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[Decisions of the United States Court of Appeals for the District of Columbia are indicated by the letter (ᵃ); of the Board of Appeals of the United States Patent Office by the letter (ᵇ); and of the United States Court of Customs and Patent Appeals by a star (*).]

ERRATUM

The purported disclaimer published November 21, 1939, 508 O. G. 565, 1,973,311, George G. Coons, was in error and should be disregarded.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adelson & Segall, New York, N. Y. Watches, watch cases, watch movements, etc. Serial No. 419,539; Nov. 7. Class 27.

Albuson Company, Akron, Ohio. Bubble blower toy. Serial No. 409,668; Nov. 7. Class 22.

American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Wire rope and strand. Serial No. 423,364; Nov. 7. Class 7.

Anaconda Wire & Cable Co., New York, N. Y. Electrical joint insulating compound. Serial No. 422,035; Nov. 7. Class 21.

Animal Trap Company of America. (See Bridell, Chas. D., Inc., assignor.)

Apex Coal Company, Kansas City, Mo. Coal. Serial No. 422,435; Nov. 7. Class 1.

Architectural Catalog Co. Inc., New York, N. Y. Periodical. Serial No. 423,407; Nov. 7. Class 38.

Arena, Joseph, doing business as Arena-Javelle Company, New York, N. Y. Disinfectant-germicide. Serial No. 422,976; Nov. 7. Class 6.

Aridor Pipe Company, Kansas City, Mo. Tobacco pipes, cigar and cigarette holders. Serial No. 420,307; Nov. 7. Class 8.

Arnold, Schwinn & Company, Chicago, Ill. Bicycles. Serial No. 396,064; Nov. 7. Class 19.

Atlas Powder Company, Wilmington, Del. Paints and paint enamels, paint colors, etc. Serial No. 421,921; Nov. 7. Class 16.

Barnard Bakeshops Inc., The Binghamton, N. Y. Bread, and pastry products. Serial No. 417,995; Nov. 7. Class 46.

Barrett, Charles H., doing business as Dool Tool Co., Portland, Oreg. Socket wrenches. Serial No. 422,352; Nov. 7. Class 23.

Beleruan Tobacco Co. (See Winterscheidt, H. J.)

Bendel, Henri, Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 422,534; Nov. 7. Class 6.

Benet, Harry, Inc., Cincinnati, Ohio. Whiskey. Serial No. 423,907; Nov. 7. Class 49.

Berlinger, Joseph, Co., New York, N. Y. Piece goods. Serial No. 422,692; Nov. 7. Class 42.

Blackett-Sample-Hummert, Inc., Chicago, Ill. Scripts for a series of commercial radio broadcasts. Serial No. 421,232; Nov. 7. Class 38.

Bloomingdale, Bros., Inc., New York, N. Y. Negligees, housecoats, suits, and coats. Serial No. 421,122; Nov. 7. Class 39.

Bridell, Chas. D., Inc., Crisfield, Md., assignor to Animal Trap Company of America, Lititz, Pa. Animal traps. Serial No. 422,922; Nov. 7. Class 50.

Brooklyn Belt Company, Brooklyn, N. Y. Belts. Serial No. 421,562; Nov. 7. Class 39.

Brown-McDonald Company, The, Hastings, Nebr. Suits, topcoats and overcoats. Serial No. 422,852; Nov. 7. Class 39.

Calesco Corporation, Lynn, Mass. Warm air heating and air conditioning units. Serial No. 421,473; Nov. 7. Class 34.

Cardinal Laboratories, Inc., Chicago, Ill. Polishes and compounds for treating shoes and other leather goods. Serial No. 422,735; Nov. 7. Class 4.

Carolina Bagging Company, The, Henderson, N. C. Jute rug pads. Serial No. 422,169; Nov. 7. Class 50.

Carolina Medicine Co. (See Woodley, Buck W.)

Chin & Lee Co., Inc., New York, N. Y. Culinary preparations. Serial No. 418,819; Nov. 7. Class 46.

Christiansburg Canning Co., Inc., Pulaski and Christiansburg, Va. Canned fruits and canned vegetables, coffee, etc. Serial No. 423,205; Nov. 7. Class 46.

City Service Floor Maintenance Co., Inc., New York, N. Y. Varnish type finish for wood floor surfaces. Serial No. 422,317; Nov. 7. Class 16.

Clavières, Maurice, doing business as Les Successeurs de F. Cazanove, Bordeaux, France. Liqueur. Serial No. 423,206; Nov. 7. Class 49.

Cohn-Hall-Marx Co., New York, N. Y. Printed cotton textile fabrics in the piece. Serial No. 396,709; Nov. 7. Class 42.

Collette, Gae, New York, N. Y. Tissue cream, foundation cream, cream for cleansing, etc. Serial No. 409,397; Nov. 7. Class 6.

Conde Nast Publications, The, New York, N. Y. Magazine section. Serial No. 423,372; Nov. 7. Class 38.

Conewango Refining Company, The, Warren, Pa. Refined mineral oil. Serial No. 423,593; Nov. 7. Class 6.

Copymaster Co., Miami, Okla. Copy holders. Serial No. 422,617; Nov. 7. Class 37.

Corn Products Refining Company, New York, N. Y. Preparation for making chocolate flavored milk. Serial No. 423,161; Nov. 7. Class 46.

Curtain-Howe Corporation, New York, N. Y. Compositions for treating metal surfaces. Serial No. 423,726; Nov. 7. Class 6.

Davies-Young Soap Co., The, Dayton, Ohio. Liquid dry cleaner. Serial No. 422,773; Nov. 7. Class 4.

De Botelho, Martin, New York, N. Y. Facial preparations. Serial No. 419,011; Nov. 7. Class 6.

De Luxe Bed Brace Company, Inc., Chicago, Ill. Braces for bedsteads. Serial No. 424,000; Nov. 7. Class 32.

Di Marco, Romualdo E., New York, N. Y. Canned peeled tomatoes, canned tomato paste and olive oil. Serial No. 422,085; Nov. 7. Class 46.

Dool Tool Co. (See Barrett, Charles H.)

East New York Produce Co., Brooklyn, N. Y. Raw potatoes. Serial No. 422,238; Nov. 7. Class 46.

Edmond Process. (See Pausser, A. Edmond.)

Elastic S. A., Basel, Switzerland. Wide elastic fabrics. Serial No. 423,596; Nov. 7. Class 42.

English Mica Company, The, Spruce Pine, N. C. Powdered mica. Serial No. 423,525; Nov. 7. Class 1.

Essley Shirt Company, Inc., New York, N. Y. Sportswear for men and young men. Serial No. 423,258; Nov. 7. Class 39.

Fall River Curtain Co., Inc., New York, N. Y. Curtains. Serial No. 423,557; Nov. 7. Class 42.

Farrell Publishing Corporation, New York, N. Y. Periodical. Serial No. 423,527; Nov. 7. Class 38.

Fraser Companies, Limited, Edmunston, New Brunswick, Canada. Wood pulp and chemical pulp. Serial No. 416,085; Nov. 7. Class 1.

Fuji Sake Brewing Company, Limited, Honolulu, Hawaii. Bottled sake. Serial No. 422,508; Nov. 7. Class 47.

Gamble Stores Incorporated, Minneapolis, Minn. T-squares, squares and levels. Serial No. 423,559; Nov. 7. Class 26.

Garden Tooth Powder Company, The, Garden, Mich. Tooth powder. Serial No. 410,059; Nov. 7. Class 6.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Electric storage batteries. Serial No. 422,324; Nov. 7. Class 21.

Graham, John H., & Co., Inc., New York, N. Y. Sash cord. Serial Nos. 423,299–300; Nov. 7. Class 7.

Graham, John H., & Co., Inc., New York, N. Y. Sash cord. Serial No. 423,302; Nov. 7. Class 7.

Graton & Knight Company, Worcester, Mass. Leather belting. Serial No. 423,263; Nov. 7. Class 35.

Guittard Chocolate Co., San Francisco, Calif. Cocoa. Serial No. 423,419; Nov. 7. Class 46.

Haloid Company, The, Rochester, N. Y. Light sensitive paper. Serial No. 423,380; Nov. 7. Class 26.

Hamilton, A. K., & Co., Inc., New York, N. Y. Scotch whisky. Serial Nos. 424,086–7; Nov. 7. Class 49.

Hartmann Trunk Company, Racine, Wis. Suitcases and wardrobe hand luggage. Serial No. 423,701; Nov. 7. Class 3.

Helena Wholesale Dry Goods Company, Helena, Ark. Petroleum jelly and olive oil hair dressing. Serial No. 419,536; Nov. 7. Class 6.

Hellwig-Miller Company, New York, N. Y. Laundry starch. Serial No. 422,694; Nov. 7. Class 6.

Hopp Press, Incorporated, The, New York, N. Y. Printed sheets, cards, and the like. Serial No. 422,444; Nov. 7. Class 37.

House for Men, Inc., The, Chicago, Ill. After shaving lotion, cologne, hair tonic, etc. Serial No. 416,420; Nov. 7. Class 6.

Interstate Laboratories, Inc., Long Island City, N. Y. Preparation for preventing stains, mildrew, and rust, etc. Serial No. 421,777; Nov. 7. Class 6.

Invicta-Seeland, Inc., New York, N. Y. Watches, watch cases, watch parts, etc. Serial No. 422,820; Nov. 7. Class 27.

Jay's Laboratories. (See Staber, Grace C.)

Jodel, Inc., New York, N. Y. Wide elastic fabric, in the piece. Serial No. 423,171; Nov. 7. Class 42.

Kahn, David, Inc., North Bergen, N. J. Engraving machines and parts thereof. Serial Nos. 416,102–3; Nov. 7. Class 23.

Karen, Kay, Inc., New York, N. Y. Dresses, house coats, sport dresses, and play suits. Serial No. 422,900; Nov. 7. Class 39.

Kay's Beverages, Inc., Los Angeles, Calif. Fruit beverages and soft drinks. Serial No. 421,882; Nov. 7. Class 45.

Kearney, James R., Corporation, St. Louis, Mo. Grips for electric cables. Serial No. 412,068; Nov. 7. Class 23.

Kiddies Pal, Inc., New York, N. Y. Children's dresses. Serial No. 395,671; Nov. 7. Class 39.

Knox Company, The, Los Angeles, Calif. Tooth powders, dentifrices and preparations for the treatment of pyorrhea, trench mouth, etc. Serial No. 416,803; Nov. 7. Class 6.

Larus & Brother Company, Inc., Richmond, Va. Cigars, cigarettes, chewing and smoking tobacco. Serial No. 423,468; Nov. 7. Class 17.

Lavino, E. J., and Company, Philadelphia, Pa. Material for making cast refractory bodies. Serial No. 417,922; Nov. 7. Class 12.

Lentheric, Incorporated, New York, N. Y. Rouges and lipsticks. Serial No. 422,938; Nov. 7. Class 6.

Les Successeurs de F. Cazanove. (See Clavières, Maurice.)

Losanacraft, Los Angeles, Calif. Metal and composition table mats, plate holders, etc. Serial No. 423,001; Nov. 7. Class 50.

Loughran, Daniel, Company, Incorporated, Washington, D. C. Cigars. Serial No. 423,532; Nov. 7. Class 17.

Macpherson, H. C., doing business as Macpherson & Company, San Francisco, Calif. Whiskey. Serial No. 423,918; Nov. 7. Class 49.

Magnaflux Corporation, Chicago, Ill. Brittle varnish. Serial No. 419,586; Nov. 7. Class 16.

Malbone Co. (See Yengel, George W.)

McLaughlin Ventilator Company, Detroit and Ferndale, Mich. Ventilator fans. Serial No. 422,823; Nov. 7. Class 34.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Ointment. Serial No. 423,765; Nov. 7. Class 6.

Merrell, Wm. S., Company, The, Cincinnati and Lockland Station, Cincinnati, Ohio. Laxatives and cathartics. Serial No. 422,593; Nov. 7. Class 6.

Mildrum, W. W., Jewel Company, The, East Berlin, Conn. Rod mountings. Serial No. 423,818; Nov. 7. Class 22.

Millsite Steel & Wire Works, Howell, Mich. Lotion for the preventative of bites from insects. Serial No. 416,198; Nov. 7. Class 6.

Minnesota and Ontario Paper Company, The, Minneapolis and International Falls, Minn. B-publication paper. Serial No. 422,845; Nov. 7. Class 37.

Minnesota and Ontario Paper Company, The, Minneapolis and International Falls, Minn. Rotogravure halftone paper and B-publication paper. Serial No. 422,846; Nov. 7. Class 37.

Mobile Paint Mfg. Company, Inc., Mobile, Ala. Semi-paste and liquid paints. Serial No. 423,771; Nov. 7. Class 16.

National Baseball Museum, Inc., Cooperstown, N. Y. Baseballs and baseball bats. Serial No. 424,052; Nov. 7. Class 22.

National Lead Company, New York, N. Y. Lead and lead alloys. Serial No. 418,734; Nov. 7. Class 14.

National Lead Company, New York, N. Y. Lead and lead alloys. Serial Nos. 418,737–9; Nov. 7. Class 14.

National Lead Company, New York, N. Y. Lead and lead alloys. Serial No. 418,744; Nov. 7. Class 14.

Neumann, R., & Company, Hoboken, N. J. Shoe upper and pocketbook leather. Serial No. 423,276; Nov. 7. Class 1.

North Star Woolen Mill Company, Minneapolis, Minn. Garments. Serial No. 423,983; Nov. 7. Class 39.

Ohio Injector Company, The, Wadsworth, Ohio. Tire valves. Serial No. 422,217; Nov. 7. Class 13.

Oxford Filing Supply Co., Brooklyn, N. Y. Index cards, guides and sheets, file holders, etc. Serial No. 423,277; Nov. 7. Class 37.

Pacific Mills, Boston, Mass. Cotton piece goods. Serial No. 423,956; Nov. 7. Class 42.

Pausser, A. Edmond, doing business as Edmond Process, Philadelphia, Pa. Solution for permanently waving hair. Serial No. 422,862; Nov. 7. Class 6.

Pennsylvania Salt Manufacturing Company of Washington, Tacoma, Wash. Sodium arsenite. Serial No. 422,953; Nov. 7. Class 6.

Peters & Garabedian, Fresno, Calif. Fresh deciduous fruits and grapes, melons, etc. Serial No. 423,312; Nov. 7. Class 46.

Quaker Chemical Products Corp., Conshohocken, Pa. Resins, aqueous dispersions of resins, aqueous emulsions of resins, etc. Serial No. 422,908; Nov. 7. Class 6.

Recordion Corporation of America, New York, N. Y. Electrical recorder and phonograph combination apparatus. Serial No. 421,099; Nov. 7. Class 36.

Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 424,062; Nov. 7. Class 49.

Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 424,073; Nov. 7. Class 49.

Reliance Manufacturing Company, doing business as The Sterling Company, Chicago, Ill. Ladies' dresses. Serial No. 422,599; Nov. 7. Class 39.

Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Chemical applied to wrapping paper for retarding formation of mould. Serial No. 422,955; Nov. 7. Class 6.

Ruckman, Robert J., Baker, Oreg. Medicated compound. Serial No. 423,036; Nov. 7. Class 6.

Rueping, Fred, Leather Co., Fond du Lac, Wis. Leather. Serial No. 423,177; Nov. 7. Class 1.

Ruppert, Jacob, New York, N. Y. Beer. Serial No. 423,637; Nov. 7. Class 48.

Saleva, G., & Co., New York, N. Y. Cosmetics. Serial No. 422,912; Nov. 7. Class 6.

Schering Corporation, Bloomfield, N. J. Chemical compound. Serial No. 422,758; Nov. 7. Class 6.

Schranck & Shaw, Incorporated, Milwaukee, Wis. Cordials, liqueurs, brandies, etc. Serial No. 423,928; Nov. 7. Class 49.

Scull, William S., Company, Camden, N. J. Canned ready prepared coffee. Serial No. 421,948; Nov. 7. Class 46.

Sensation Magazine, Inc., New York, N. Y. Publication. Serial No. 423,440; Nov. 7. Class 38.

Shannon, Walton, Jackson, Miss. Fabric treating preparations. Serial No. 419,275; Nov. 7. Class 6.

Sharpe Manufacturing Company, Los Angeles, Calif. Air compressors and spray guns. Serial No. 423,315; Nov. 7. Class 23.

Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. Serial No. 418,543; Nov. 7. Class 4.

Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. Serial No. 420,200; Nov. 7. Class 4.

Silicocks-Miller Company, The, South Orange, N. J. Fabricated plastic articles. Serial No. 421,206; Nov. 7. Class 50.

Slovak, Andrew, doing business as Unit Machinery Company, Rockford, Ill. Automatic screw machines, wire forming machines, etc. Serial No. 422,489; Nov. 7. Class 23.

Sport Products, Inc., Cincinnati, Ohio. Golf clubs and parts thereof, golf balls, etc. Serial No. 421,675; Nov. 7. Class 22.

Sport Products, Inc., Cincinnati, Ohio. Balls, baseballs, etc. Serial No. 421,952; Nov. 7. Class 22.

Staber, Grace C., doing business as Jay's Laboratories, Los Angeles, Calif. Hair waving cream. Serial No. 423,149; Nov. 7. Class 6.

Standard Envelope Manufacturing Company, The, Cleveland, Ohio. Envelopes. Serial Nos. 422,833–4; Nov. 7. Class 37.

Star Brewing Co., Boston, Mass. Ale. Serial No. 423,387; Nov. 7. Class 48.

Sterling Company, The. (See Reliance Manufacturing Company.)

Strutwear Knitting Company, Minneapolis, Minn. Hosiery and underwear. Serial No. 422,719; Nov. 7. Class 39.

Sun Craft, Inc., New York, N. Y. Sport shirts, blouses, slacks, etc. Serial No. 423,182; Nov. 7. Class 39.

Sword, James, & Son, Limited, Glasgow, Scotland. Whisky. Serial No. 423,183; Nov. 7. Class 49.

Temme Spring Corporation, Chicago, Ill. Mufflers. Serial No. 422,680; Nov. 7. Class 23.

Terhune, Burton H., Maplewood, N. J. Shoes. Serial No. 422,880; Nov. 7. Class 39.

Terry, Sam, doing business as Valley of the Moon Fruit Juice Co., Oakland, Calif. Fruit juices. Serial No. 402,450; Nov. 7. Class 45.

Tile-Tex Company, The, Chicago Heights, Ill. Composition floor tile. Serial No. 419,894; Nov. 7. Class 12.

Toro, Anthony S., doing business as Tropic Medical Products Co., Brooklyn, N. Y. Hair dress or tonic, skin lotion. Serial No. 421,402; Nov. 7. Class 6.

Transylvania Tanning Company, New York, N. Y. Leather. Serial No. 423,014; Nov. 7. Class 1.

Tropic Medical Products Co. (See Toro, Anthony S.)

Truesdale Company, Inc., The, New York, N. Y. Gelatin containing vitamins. Serial No. 408,521; Nov. 7. Class 6.

Turner & Harrison Steel Pen Manufacturing Company Inc., The, Philadelphia, Pa. Pens, penholders, pen sets, etc. Serial No. 423,537; Nov. 7. Class 37.

Turner-Pfister Chemical Corporation, Ridgefield, N. J. Chemical compounds. Serial Nos. 422,423–4; Nov. 7. Class 12.

Ulrey, David G., Lakeland, Fla. Citrus fruit polishing wax. Serial No. 420,614; Nov. 7. Class 6.

Union Steel Products Company, Albion, Mich. Ovens. Serial No. 420,297; Nov. 7. Class 34.

Union Trading Co., Ltd., The, Hongkong, China. Prophylactic rubber articles. Serial No. 407,511; Nov. 7. Class 44.

Unit Machinery Company. (See Slovak, Andrew.)

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial No. 423,447; Nov. 7. Class 38.

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial No. 423,684; Nov. 7. Class 38.

United States Rubber Company, New York, N. Y. Yarns. Serial No. 422,873; Nov. 7. Class 43.

Valley of the Moon Fruit Juice Co. (See Terry, Sam.)

Vertin-Edmonds Co., Salinas, Calif. Fresh vegetables. Serial No. 419,202; Nov. 7. Class 46.

Vick Chemical Company, New York, N. Y. Germicide and antiseptic. Serial No. 422,877; Nov. 7. Class 6.

Wadsworth & Woodman Company, Winthrop, Maine, and New York, N. Y. Pyroxylin coated fabric. Serial No. 422,456; Nov. 7. Class 50.

Western Packing Corporation, New York, N. Y. Corned beef hash. Serial No. 419,241; Nov. 7. Class 46.

White Eagle Brewing Company, Chicago, Ill. Beer. Serial No. 423,688; Nov. 7. Class 48.

Williams, Timothy F., New York, N. Y. Tooth paste and powder. Serial No. 423,040; Nov. 7. Class 6.

Willens, Maurice, Chicago, Ill. Candy. Serial No. 421,272; Nov. 7. Class 46.

Wilson Welder and Metals Co., Inc., New York, N. Y. Electric arc welding machines. Serial No. 423,449; Nov. 7. Class 21.

Winterscheidt, H. J., doing business as Beleruan Tobacco Co., Horton, Kans. Cigarettes. Serial No. 422,724; Nov. 7. Class 17.

Wirz, A. H., Inc., Chester, Pa. Collapsible tubes. Serial No. 422,433; Nov. 7. Class 2.

Woodley, Buick W., doing business as Carolina Medicine Co., Asheboro, N. C. Antiseptic. Serial No. 416,302; Nov. 7. Class 6.

Yengel, George W., doing business as Malbone Co., Brooklyn, N. Y. Penetrating oils and lubricating oils and spray oils. Serial No. 423,284; Nov. 7. Class 15.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Egg Co., Inc., New York, N. Y. Eggs. 372,675; Nov. 7; Serial No. 421,117; published Aug. 29, 1939. Class 46.

Admiral Products Co. (See Strauss, I. Mayer.)

Air Reduction Company, Incorporated, assignor to Air Reduction Sales Company, New York, N. Y. Calcium carbid. 128,590; renewed Jan. 13, 1940.

Alexander Bros. Company, Savannah, Ga. Overalls, work shirts, jumpers, etc. 372,668; Nov. 7; Serial No. 420,987; published Aug. 29, 1939. Class 39.

Allen-A Company, The, Bennington, Vt. Hosiery. 372,603; Nov. 7; Serial No. 419,322; published Aug. 15, 1939. Class 39.

American Hardware Company, Inc., Petersburg, Va. Satchels and suitcases. 372,617; Nov. 7; Serial No. 419,787; published Aug. 8, 1939. Class 3.

American Smelting and Refining Company, New York, N. Y. Solder. 372,658; Nov. 7; Serial No. 420,842; published Aug. 29, 1939. Class 14.

Amoskeag Pajama Co., Inc., Manchester, N. H. Pajamas, nightshirts, and underwear. 372,634; Nov. 7; Serial No. 420,357; published Aug. 15, 1939. Class 39.

Armand Company, The, Des Moines, Iowa. Face-powder, cold-cream, hair-wash, etc. 129,597; renewed Mar. 9, 1940.

Ashburner, A. Saunders, Swissvale, Pa. Neckties. 372,637; Nov. 7; Serial No. 420,444; published Aug. 29, 1939. Class 39.

Asiatic Microphone Laboratory, Incorporated, Youngstown, Ohio. Microphones, phonograph pickups, filters, etc. 372,577; Nov. 7; Serial No. 411,074; published June 20, 1939. Class 21.

Bamberger, L., & Co., Newark, N. J. Mattresses. 372,692; Nov. 7; Serial No. 421,959; published Aug. 29, 1939. Class 32.

Bendix Aviation Corporation, Bendix, N. J. Propellers, engines, and parts associated therewith. 372,704; Nov. 7; Class 23.

Berg, Erdman, Detroit, Mich. Leather watch straps. 372,650; Nov. 7; Serial No. 420,662; published Aug. 29, 1939. Class 40.

Best & Co., Inc., New York, N. Y. Shoes, and misses' suits and coats. 372,607; Nov. 7; Serial No. 419,496; published Aug. 8, 1939. Class 39.

Blue Line Hosiery Mills, Inc., New York, N. Y. Hosiery. 372,650; Nov. 7; Serial No. 420,662; published Aug. 29, 1939. Class 39.

Boehringer, C. H., Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Beverages. 372,581; Nov. 7; Serial No. 415,700; published Aug. 29, 1939. Class 45.

Boott Mills, Lowell, Mass. Towels. 372,706; Nov. 7. Class 42.

Borden Company, The. (See Casad, James G., assignor.)

Brady, Elsa, Frocks, St. Louis, Mo. Dresses. 372,663; Nov. 7; Serial No. 420,932; published Aug. 29, 1939. Class 39.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table covers. 372,564; Nov. 7; Serial No. 389,451; published Aug. 29, 1939. Class 50.

Bull-Burger Company, The, Amarillo, Tex. Sandwiches. 372,582; Nov. 7; Serial No. 415,761; published Aug. 29, 1939. Class 46.

Burd Piston Ring Company, Rockford, Ill. Piston rings. 372,679; Nov. 7; Serial No. 421,234; published Aug. 29, 1939. Class 35.

Cadwallader, Harry, Jr., Philadelphia, Pa. Steel forgings and castings. 128,645; renewed Jan. 13, 1940.

Cadwallader, Harry, Jr., Philadelphia, Pa. Cutlery, machinery, and tools, and parts thereof. 128,950; renewed Jan. 20, 1940.

Caley, Wendell J., doing business as W. J. Caley & Co., Philadelphia, Pa. Pens, mechanical pencils, and desk sets. 372,693; Nov. 7. Class 37.

California Pea Products, Inc., Fullerton, Calif. Canned vegetables. 372,565; Nov. 7; Serial No. 390,412; published May 18, 1937. Class 46.

Calvert Distilling Co., The, Baltimore, Md. Whiskey. 372,578; Nov. 7; Serial No. 411,083; published Aug. 29, 1939. Class 49.

Carson Pirie Scott & Company, Chicago, Ill. Nightgowns and pajamas. 372,613; Nov. 7; Serial No. 419,657; published Aug. 29, 1939. Class 39.

Casad, James G., Urbana, Ill., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Paints. 129,338; renewed Feb. 17, 1940.

Catelli Food Products, Ltd., Montreal, Quebec, Canada. Pea soup. 372,610; Nov. 7; Serial No. 419,572; published Aug. 29, 1939. Class 46.

Catlin, De Forest B., Boston, Mass. Osteopathic treatment tables. 372,600; Nov. 7; Serial No. 419,140; published Aug. 29, 1939. Class 44.

Chicago Mail Order Company, Chicago, Ill. Dresses and suits. 372,641; Nov. 7; Serial No. 420,513; published Aug. 22, 1939. Class 39.

Chicagrow Corporation, The, Chicago, Ill. Fertilizer. 372,627; Nov. 7; Serial No. 420,164; published Aug. 22, 1939. Class 10.

Childs, Margia K., doing business as The Marja Brassiere Company, Jacksonville, Tex. Brassières. 372,579; Nov. 7; Serial No. 411,520; published Aug. 22, 1939. Class 39.

Clapp, Otis, & Son, Inc., Boston, Mass. Elastic hosiery and underwear. 372,687; Nov. 7; Serial No. 421,691; published Aug. 29, 1939. Class 44.

Cleveland Osborn Manufacturing Company, The, Cleveland, Ohio, now, by change of name, to The Osborn Manufacturing Company. Brushes and brooms. 127,357; renewed Nov. 11, 1939.

Cohan, Roth & Stiffson, New York, N. Y. Men's cravats. 130,011; renewed Mar. 23, 1940.

Collins and Aikman Corporation, Philadelphia, Pa. Tops and rovings. 372,639; Nov. 7; Serial No. 420,474; published Aug. 29, 1939. Class 1.

Columbia Mills, Inc., The, New York, N. Y. Tracing cloth. 372,696; Nov. 7. Class 37.

Craddock-Terry Shoe Corporation, Lynchburg, Va. Men's and boys' leather shoes. 372,605; Nov. 7; Serial No. 419,417; published Aug. 29, 1939. Class 39.

Crum, Emma W., Poughkeepsie, N. Y. Hospital signal cords and waste receptacle holders. 372,682; Nov. 7; Serial No. 421,371; published Aug. 29, 1939. Class 44.

Culbertson Lemon Assn., Saticoy, Calif. Fresh citrus fruit. 372,670; Nov. 7; Serial No. 421,028; published Aug. 29, 1939. Class 46.

D-Lek-Table Food Company. (See Van Wert, Earl C.)

Davenshire, Inc., Davenport, Iowa. Trousers and sportswear. 372,655; Nov. 7; Serial No. 420,751; published Aug. 29, 1939. Class 39.

Deerpark Beverages, Inc., Port Jervis, N. Y. Sparkling ale. 372,671; Nov. 7; Serial No. 421,029; published Aug. 29, 1939. Class 48.

Dellapi, Andrea, Altoona, Pa. Remedy for rheumatism. 129,347; renewed Feb. 17, 1940.

Diamond Shoe Co., New York, N. Y. Shoes. 372,642; Nov. 7; Serial No. 420,518; published Aug. 29, 1939. Class 39.

Dictaphone Corporation, Bridgeport, Conn. Sound transmitters. 372,608; Nov. 7; Serial No. 419,501; published Aug. 29, 1939. Class 36.

Eagle Printing Ink Co., The, Jersey City, N. J., and New York, N. Y., assignor to General Printing Ink Corporation, New York, N. Y. Printing-inks and lithographic inks. 129,686; renewed Mar. 9, 1940.

Ellis Laboratories, Inc., Montclair, N. J. Fertilizer. 372,599; Nov. 7; Serial No. 419,058; published Aug. 22, 1939. Class 10.

Enrico Cigar Company, New York, N. Y. Cigars. 372,669; Nov. 7; Serial No. 421,019; published Aug. 29, 1939. Class 17.

Feibel, K., Ltd., Los Angeles, Calif. Textile art piece goods. 372,612; Nov. 7; Serial No. 419,613; published Aug. 29, 1939. Class 42.

Fenn Bros. Inc. (See Woodward, John G., & Co., assignor.)

Finker, Irving, Inc., New York, N. Y. Women's coats. 372,643; Nov. 7; Serial No. 420,522; published Aug. 22, 1939. Class 39.

Fraser Manufacturing Co. Inc., New York, N. Y. Covered wire for obtaining body and firmness in hats, bags, and the like. 372,618; Nov. 7; Serial No. 419,864; published Aug. 22, 1939. Class 40.

G. & C. Wholesale Grocers, Inc., Brooklyn, N. Y. Canned tomatoes, canned fish. 372,570; Nov. 7; Serial No. 406,712; published Aug. 29, 1939. Class 46.

Gahan, A. J., Los Gatos, Calif. Dried fruits. 372,698; Nov. 7. Class 46.

Gas Tank Recharging Co., Milwaukee, Wis., assignor, by mesne assignments, to National Carbide Corporation, New York, N. Y. Acetylene gas and carbid. 129,723; renewed Mar. 9, 1940.

Gastonia Full Fashioned Hosiery Mill, Inc., Gastonia, N. C. Hosiery. 372,657; Nov. 7; Serial No. 420,814; published Aug. 29, 1939. Class 39.

Gemex Company, Newark, N. J. Watch straps, watch chains, wrist watch bracelets, etc. 372,648; Nov. 7; Serial No. 420,577; published Aug. 29, 1939. Class 40.

General Baking Company, New York, N. Y. Bread. 372,596; Nov. 7; Serial No. 418,682; published Aug. 29, 1939. Class 46.

General Printing Ink Corporation. (See Eagle Printing Ink Co., The, assignor.)

Gibberman Bros. & Co., Chicago, Ill. Suits, overcoats, and top coats. 372,631; Nov. 7; Serial No. 420,317; published Aug. 15, 1939. Class 39.
Glix-Brand Co., Inc., Pittsfield, Mass. Sleeping and lounging pajamas. 372,623; Nov. 7; Serial No. 420,053; published Aug. 15, 1939. Class 39.
Gordon & Ferguson Company, St. Paul, Minn. Jackets, coats, vests, etc. 372,583–5; Nov. 7; Serial Nos. 415,942–4; published Aug. 22, 1939. Class 39.
Graef-Cowen Corporation, Allentown, Pa. Fly swatters. 372,695; Nov. 7. Class 50.
Gray Tool Company, Houston, Tex. Apparatus and equipment for drilling, completing, and controlling oil wells. 372,591; Nov. 7; Serial No. 418,005; published Aug. 8, 1939. Class 23.
Harte, Ralph S., doing business as Harte & Co., New York, N. Y. Cellulose processed water proof materials. 372,659; Nov. 7; Serial No. 420,858; published Aug. 29, 1939. Class 50.
Hefley, Chas., doing business as Chas. Hefley Popcorn Products, Los Angeles, Calif. Buttered popped popcorn. 372,635; Nov. 7; Serial No. 420,374; published Aug. 29, 1939. Class 46.
Henkel-Clauss Company, The, Fremont, Ohio. Manicure kits. 372,685; Nov. 7; Serial No. 421,652; published Aug. 29, 1939. Class 44.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap. 372,701; Nov. 7. Class 4.
Ireland Bros., Johnstown, N. Y. Ladies' gloves. 372,664; Nov. 7; Serial No. 420,958; published Aug. 29, 1939. Class 39.
Isaacson, L., & Sons, Inc., New York, N. Y. Suits, overalls, shorts, etc. 372,632; Nov. 7; Serial No. 420,323; published Aug. 29, 1939. Class 39.
Island Packers. (See Tottori, Kakuichi.)
Ismert-Hincke Milling Company, The, Kansas City, Mo., doing business as The Riverview Mills Company, Topeka, Kans. Wheat flour. 372,587; Nov. 7; Serial No. 416,899; published Aug. 29, 1939. Class 46.
Jacobs, John M., doing business as John Jacobs Farms, Phoenix, Ariz. Fresh vegetables and melons. 372,576; Nov. 7; Serial No. 409,811; published Aug. 29, 1939. Class 46.
Kaplan, Felix A., & Co., Inc., New York, N. Y. Shirts. 372,633; Nov. 7; Serial No. 420,324; published Aug. 29, 1939. Class 39.
Knyser, Julius, & Co., New York, N. Y. Undergarments, slips, girdles, etc. 372,604; Nov. 7; Serial No. 419,409; published Aug. 8, 1939. Class 39.
KelRay Knitting Mills. (See Krumholz & Lichtblau.)
Kessler, Julius, Distilling Co., Inc., Lawrenceburg, Ind. Whiskey. 372,573; Nov. 7; Serial No. 408,443; published Aug. 29, 1939. Class 49.
Koppers Company, Pittsburgh, Pa., and Baltimore, Md. Piston rings. 372,697; Nov. 7. Class 35.
Krumholz & Lichtblau, doing business as KelRay Knitting Mills, New York, N. Y. Chemises, slips, petticoats, etc. 372,620; Nov. 7; Serial No. 420,009; published Aug. 29, 1939. Class 39.
Lanitt Co., The, Boston, Mass. Soap. 372,653; Nov. 7; Serial No. 420,737; published Aug. 29, 1939. Class 4.
Linkman, M., & Company, Chicago, Ill. Smoking pipes. 372,597; Nov. 7; Serial No. 419,000; published Aug. 29, 1939. Class 8.
Lloyd Manufacturing Co., Inc., Apponaug, R. I. Card cloth, card clothing foundation, printers' offset blankets, etc. 372,611; Nov. 7; Serial No. 419,582; published Aug. 29, 1939. Class 50.
Los Angeles Sales Co., Los Angeles, Calif. Canned fruits, vegetables, fish, etc. 372,665; Nov. 7; Serial No. 420,960; published Aug. 29, 1939. Class 46.
Lyon & Coulson, Incorporated, Buffalo, N. Y. Fishing tackle and sporting goods. 372,651; Nov. 7; Serial No. 420,721; published Aug. 29, 1939. Class 22.
MacDonald, Robert W., Providence, R. I. Portable coolers or refrigerators. 372,688; Nov. 7; Serial No. 421,707; published Aug. 29, 1939. Class 31.
MacDonald, Wilson P., Mount Royal, Quebec, Canada. Bread and pastry. 372,592; Nov. 7; Serial No. 418,160; published Aug. 29, 1939. Class 46.
Mansfield Tire and Rubber Company, The, Mansfield, Ohio. Tires and tubes. 372,705; Nov. 7. Class 35.
Marbro Mills. (See Marcus Brothers.)
Marcalus Manufacturing Co., Inc., Elizabeth, N. J. Tissue, napkins, neck strips, etc. 372,674; Nov. 7; Serial No. 421,091; published Aug. 29, 1939. Class 37.
Marcus Brothers, also doing business as Marbro Mills, New York, N. Y. Piece goods. 372,699; Nov. 7. Class 42.
Marja Brassiere Company, The. (See Childs, Margia K.)
Maroff Company, Portland, Oreg. Furniture polish and scratch remover. 372,702; Nov. 7. Class 16.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo.; and St. Louis, Mo. Men's sweaters, bathing suits, jackets, etc. 372,628; Nov. 7; Serial No. 420,231; published Aug. 29, 1939. Class 39.
McDougall, Alexander, & Company Limited, Glasgow and Islay, Scotland. Whisky. 372,594–5; Nov. 7; Serial Nos. 418,586–7; published Aug. 29, 1939. Class 49.
Meyer, Earl O., doing business as Moe-Nade Laboratories, Denver, Colo. Preparation for cleaning and polishing glass and windows. 372,601; Nov. 7; Serial No. 419,209; published Aug. 29, 1939. Class 4.
Mitsubishi Shoji Kaisha, Ltd., Tokyo, Japan, and New York, N. Y. Koto strings. 372,621; Nov. 7; Serial No. 420,013; published Aug. 29, 1939. Class 36.
Moe-Nade Laboratories. (See Meyer, Earl O.)
Mohawk Rubber Company, The, Akron, Ohio. Pneumatic tires for vehicles. 372,683; Nov. 7; Serial No. 421,435; published Aug. 29, 1939. Class 35.
Montsweag Food Products, Inc., Bath, Maine. Canned pie fillings. 372,629; Nov. 7; Serial No. 420,232; published Aug. 29, 1939. Class 46.
Müller, C. H. F., Aktiengesellschaft, Berlin, Germany. Electric generators, transmitters, transformers, etc. 372,588; Nov. 7; Serial No. 417,230; published Aug. 29, 1939. Class 21.
Muth, Philip H., doing business as Purity Cone Co., Pittsburgh, Pa. Ice cream cones. 372,694; Nov. 7. Class 46.
National Canvas Goods Manufacturers Association, Inc., St. Paul, Minn. Tents. 372,625; Nov. 7; Serial No. 420,138; published Aug. 29, 1939. Class 50.
National Carbide Corporation. (See Gas Tank Recharging Co., assignor.)
National Silver Company, New York, N. Y. Electric shavers. 372,589; Nov. 7; Serial No. 417,503; published Aug. 29, 1939. Class 23.
National Venetian Blind Co., Los Angeles, Calif. Venetian blinds. 372,680; Nov. 7; Serial No. 421,273; published Aug. 29, 1939. Class 32.
Neiman-Marcus Company, Dallas, Tex. Children's clothes. 372,606; Nov. 7; Serial No. 419,494; published Aug. 15, 1939. Class 39.
New Jaunty Sportswear, Inc., New York, N. Y. Coats, suits, skirts, etc. 372,602; Nov. 7; Serial No. 419,307; published Aug. 15, 1939. Class 39.
Ohio Leather Company, The, Girard, Ohio. Leather. 372,652; Nov. 7; Serial No. 420,723; published Aug. 29, 1939. Class 1.
Optikotechna spolecnost s r. o., Prerov, Czechoslovakia. Optical lenses. 372,580; Nov. 7; Serial No. 413,080; published Aug. 29, 1939. Class 26.
Oregon Worsted Company, New York, N. Y. General play ball. 372,662; Nov. 7; Serial No. 420,914; published Aug. 29, 1939. Class 22.
Osborn Manufacturing Company, The. (See Cleveland Osborn manufacturing Company, The.)
Pacific Piston Ring Company. (See Shannon, S. Q.)
Paley-Sachs Food Co., Houston, Tex. Prepared baby foods. 372,598; Nov. 7; Serial No. 419,037; published Aug. 29, 1939. Class 46.
Parker Pipe Company Limited, The, London, England. Tobacco pipes, cigar holders, and cigarette holders. 372,615; Nov. 7; Serial No. 419,732; published Aug. 29, 1939. Class 8.
Parks, E. W., Company, Worcester, Mass. Sole leather. 372,593; Nov. 7; Serial No. 418,262; published Aug. 29, 1939. Class 1.
Philadelphia Wholesale Drug Company, Philadelphia, Pa. Hard water soap and lavender shaving cream. 372,619; Nov. 7; Serial No. 419,877; published Aug. 29, 1939. Class 4.
Pioneer Suspender Company, Philadelphia, Pa. Suspenders, braces, and supporters. 372,644; Nov. 7; Serial No. 420,542; published Aug. 29, 1939. Class 39.
Pullman Couch Company, Chicago, Ill. Upholstered furniture and furniture convertible into sleeping units. 372,686; Nov. 7; Serial No. 421,671; published Aug. 29, 1939. Class 32.
Purity Cone Co. (See Muth, Philip H.)
Rebhun, Richard, Flint, Mich. Infant foods. 372,636; Nov. 7; Serial No. 420,431; published Aug. 29, 1939. Class 46.
Remington Rand Inc., Buffalo, N. Y. Electric dry shavers, attachments, and parts thereof. 372,566; Nov. 7; Serial No. 394,304; published Aug. 29, 1939. Class 23.
Remington Rand Inc., Buffalo, N. Y. Electric motors and parts therefor. 372,567; Nov. 7; Serial No. 400,469; published Aug. 29, 1939. Class 21.
Remington Rand Inc., Buffalo, N. Y. Tooth brushes and tooth brush attachments for electric motors. 372,568; Nov. 7; Serial No. 400,471; published Aug. 29, 1939. Class 29.
Rhinelander Paper Company, Rhinelander, Wis. Parchment paper. 372,666; Nov. 7; Serial No. 420,969; published Aug. 29, 1939. Class 37.
Richardson, Ruby G., Tallahassee, Fla. Crystallized fruits, jellies, jams, etc. 372,700; Nov. 7. Class 46.
Richmond Hosiery Mills, Rossville, Ga. Hosiery. 372,569; Nov. 7; Serial No. 405,091; published Aug. 29, 1939. Class 39.
Rising Paper Company, Housatonic, Mass. Paper 372,703; Nov. 7. Class 37.
Riverview Mills Company, The. (See Ismert-Hincke Milling Company, The.)
Rogers Peet Company, New York, N. Y. Suits and overcoats. 372,660; Nov. 7; Serial No. 420,875; published Aug. 29, 1939. Class 39.
Rosenblatt, Arthur J., Washington, D. C. Ladies' dresses, coats, suits, etc. 372,609; Nov. 7; Serial No. 419,527; published Aug. 22, 1939. Class 39.
Ross Potato Chip Co., Richland, Pa. Popcorn coated with cheese. 372,572; Nov. 7; Serial No. 407,764; published Aug. 29, 1939. Class 46.
Royal Lace Paper Works, Brooklyn, N. Y. Shelf and lining paper. 372,672; Nov. 7; Serial No. 421,054; published Aug. 29, 1939. Class 37.

Rugeley, Alexander A., to R. A. Rugeley, Wharton, Tex., successor. Liquid preparation for the treatment of rheumatism. 129,391; renewed Feb. 7, 1940.
Russell Manufacturing Company, The, doing business as Southern Manufacturing Company, Alexander City, Ala. Sweat shirts, sweat pants, warm-up suits, etc. 372,640; Nov. 7; Serial No. 420,500; published Aug. 22, 1939. Class 39.
Sand, John A., Jr., Chicago, Ill. Magnetized toy animals. 372,690; Nov. 7; Serial No. 421,946; published Aug. 29, 1939. Class 22.
Sawada, Masaji, doing business as Tea Gold Co., New York, N. Y. Tea. 372,649; Nov. 7; Serial No. 420,645; published Aug. 29, 1939. Class 46.
Schneierson, I., & Sons, Inc., New York, N. Y. Frocks and dresses. 372,645; Nov. 7; Serial No. 420,545; published Aug. 22, 1939. Class 39.
Sealy, Incorporated, Pittsburgh, Pa. Mattresses. 372,691; Nov. 7; Serial No. 421,950; published Aug. 29, 1939. Class 32.
Select Sportswear, Inc., New York, N. Y. Ladies' and misses' knitted sport sweaters and two piece knitted dresses. 372,667; Nov. 7; Serial No. 420,972; published Aug. 29, 1939. Class 39.
Seymour-Avery Manufacturing Company, Chicago, Ill. Ladies' and children's slips. 372,616; Nov. 7; Serial No. 419,772; published Aug. 15, 1939. Class 39.
Shannon, S. Q., doing business as Pacific Piston Ring Company, Los Angeles, Calif. Piston rings. 372,678; Nov. 7; Serial No. 421,204; published Aug. 29, 1939. Class 35.
Simmons Hardware Company, St. Louis, Mo. Fishing lines. 372,684; Nov. 7; Serial No. 421,622; published Aug. 29, 1939. Class 22.
Sims, Lorin M., doing business as Sims Food Products, San Francisco, Calif. Alimentary paste products. 372,661; Nov. 7; Serial No. 420,879; published Aug. 29, 1939. Class 46.
Southern Belting Company, Atlanta, Ga. Leather belting. 372,681; Nov. 7; Serial No. 421,327; published Aug. 29, 1939. Class 35.
Southern Manufacturing Company. (See Russell Manufacturing Company, The.)
Stechel, William, New York, N. Y. Sports shirts and pants. 372,673; Nov. 7; Serial No. 421,058; published Aug. 29, 1939. Class 39.
Strauss, I. Mayer, doing business as Admiral Products Co., Maspeth, Long Island, N. Y. Paints and varnishes. 372,622; Nov. 7; Serial No. 420,028; published Aug. 29, 1939. Class 16.
Tea Gold Co. (See Sawada, Masaji.)
Timson, Louis E., doing business as Timson's, Boston, Mass. Compound for treating or dressing the uppers and soles of shoes, and other leather products. 372,676; Nov. 7; Serial No. 421,168; published Aug. 29, 1939. Class 4.
Tobey-Fine Papers, Inc., St. Louis, Mo. Paper. 372,677; Nov. 7; Serial No. 421,169; published Aug. 29, 1939. Class 37.
Toledo Scale Company, Jersey City, N. J., and Toledo, Ohio, now by change of name, to Toledo Scale Manufacturing Company, Toledo, Ohio. Publications. 129,902; renewed Mar. 9, 1940.
Tottori, Kakuichi, doing business as Island Packers, Honolulu, Hawaii. Fresh vegetables, fresh fruits. 372,590; Nov. 7; Serial No. 417,894; published Aug. 29, 1939. Class 46.
Tower, A. J., Company, Boston, Mass. Rubber-coated garments. 372,624; Nov. 7; Serial No. 420,077; published Aug. 15, 1939. Class 39.
Tyrrell and Garth, Inc., Houston, Tex. Canned fresh vegetables and vegetable juices. 372,571; Nov. 7; Serial No. 407,288; published Aug. 29, 1939. Class 46.
United Cigar-Whelan Stores Corporation, New York, N. Y. Rubber gloves. 372,638; Nov. 7; Serial No. 420,467; published Aug. 29, 1939. Class 39.
U. S. Industrial Alcohol Co., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Fuels. 130,020; renewed Mar. 23, 1940.
Vandeweghe Trading Corp., New York, N. Y. Fur skins. 372,654; Nov. 7; Serial No. 420,740; published Aug. 29, 1939. Class 1.
Van Wert, Earl C., doing business as D-Lek-Table Food Company, Pasadena, Calif. Bottled salad dressing. 372,630; Nov. 7; Serial No. 420,298; published Aug. 29, 1939. Class 46.
Vulcanized Rubber Company, The, New York, N. Y. Combs. 372,575; Nov. 7; Serial No. 409,145; published Aug. 22, 1939. Class 40.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 372,689; Nov. 7; Serial No. 421,867; published Aug. 29, 1939. Class 49.
Wallau, Alex Lee, Inc., New York, N. Y. Dresses, coats, suits, etc. 372,614; Nov. 7; Serial No. 419,695; published Aug. 8, 1939. Class 39.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods and sheets and pillow cases. 372,646; Nov. 7; Serial No. 420,553; published Aug. 29, 1939. Class 42.
Wayne Knitting Mills, The, Fort Wayne, Ind. Stockings. 372,647; Nov. 7; Serial No. 420,554; published Aug. 22, 1939. Class 39.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Combined electrical and pneumatic vehicle brake and propulsion control units. 372,586; Nov. 7; Serial No. 416,527; published Aug. 29, 1939. Class 21.
Wolfenden, Harry C., doing business as R. Wolfenden & Sons, Attleboro, Mass. Fibres, silver, slubbing, etc. 372,574; Nov. 7; Serial No. 408,938; published Aug. 29, 1939. Class 1.
Woodward, John G., & Co., Council Bluffs, Iowa, assignor to Fenn Bros. Inc., Sioux Falls, S. Dak. Candy. 128,904; renewed Jan. 13, 1940.
Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 129,943; renewed Mar. 9, 1940.
Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 129,946; renewed Mar. 9, 1940.
Young's Merchandising Corporation, New York, N. Y. Hats and caps. 372,626; Nov. 7; Serial No. 420,153; published Aug. 29, 1939. Class 39.

LIST OF REGISTRANTS OF LABELS

Economics Laboratory, Incorporated, St. Paul, Minn. Satinwax, Made By the Makers of Soilax. For a Liquid Wax for Floors. 53,887; Nov. 7.
General Mills, Inc., Minneapolis, Minn. A. R. P. I. Process Vitamin D. For a Concentrated Sterilized Fluid Preparation of Activated Ergosterol, A. R. P. I. Process for Use in Fortifying Bread and Other Food Products. 53,888; Nov. 7.
Goodrich, Laurence N., Anoka, Minn. Spe-De. For Soap Powder. 53,889; Nov. 7.
Gorton, George, Machine Co., Racine, Wis. Form 1533. For Metal Working Cutters. 53,890; Nov. 7.
Katzinger, Edward, Company, The, Chicago, Ill. Miracle New Wood Roller Masher Strainer. For Strainers. 53,891; Nov. 7.
Lambros, John, doing business as Mocha & Brazilian Coffee Co., St. Paul, Minn. Ambassador Coffee. For Coffee. 53,892; Nov. 7.
Mead Johnson & Company, Evansville, Ind. Mead's Brewers Yeast Powder. For Brewers Yeast Powder. 53,893; Nov. 7.
Mead Johnson & Company, Evansville, Ind. Mead's Flavored Cod Liver Oil. For Flavored Cod Liver Oil. 53,894; Nov. 7.
Mocha & Brazilian Coffee Co. (See Lambros, John.)
New Jersey Specialty Company, Incorporated, Trenton, N. J. Cream Extractor. For Cream Extractors. 53,895; Nov. 7.
Paysee, Robert R., Chicago, Ill. French Chef's Selection. For Kitchen Knives. 53,896; Nov. 7.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. The MacFarlane System (Two Prices on the Same Candy). For Candy and Nuts. 17,667; Nov. 7.
Britton, Charles E., Richmond, Va. Sparkle a Cola That Satisfies. For a Soft Drink. 17,668; Nov. 7.
General Mills, Inc., Minneapolis, Minn. Free! This Lovely, Genuine Gay Rainbow Milk and Cream Pitcher. For a Cereal Food. 17,669; Nov. 7.
General Mills, Inc., Minneapolis, Minn. 'Bullet Ball' Danowski Throws Pay-Off Pass! For Cereal Food. 17,670; Nov. 7.
General Mills, Inc., Minneapolis, Minn. We've Had an Avalanche of Requests for This Recipe. For Flour. 17,671; Nov. 7.
Hills Bros. Coffee, Inc., San Francisco, Calif. The Correct Grind for Best Results by any Method of Coffee-Making—For Drip, Glass Maker, Percolator, or Pot—Adform 1017. For Coffee. 17,672; Nov. 7.
Hills Bros. Coffee, Inc., San Francisco, Calif. Cup-Testing at Hills Bros.—"Now That's What I Call Good Coffee!" Adform 1015–A. For Coffee. 17,673; Nov. 7.
Hills Bros. Coffee, Inc., San Francisco, Calif. Inspecting Green Coffee—"Now That's What I Call Good Coffee!" Adform 1015–B. For Coffee. 17,674; Nov. 7.

M. J. B. Co., San Francisco, Calif. M. J. B. Why? "I'm Thinking How Nice It'd Be To Have a Customer Once in a While When I Get a Brilliant Idea . . .' For Coffee. 17,675; Nov. 7.
M. J. B. Co., San Francisco, Calif. M. J. B. Why? "I'm Walking Along the Waterfront, Figuring How to Square Things With the Wife, When This Guy Yells . . ." For Coffee. 17,676; Nov. 7.
M. J. B. Co., San Francisco, Calif. M. J. B. Why? "It Cost Us $5 to Find Out . . ." For Coffee. 17,677; Nov. 7.
M. J. B. Co., San Francisco, Calif. M. J. B. Why? "It Got Me a $10 Tip." For Coffee. 17,678; Nov. 7.
M. J. B. Co., San Francisco, Calif. M. J. B. Why? "It Was Worth Getting Lost to Find Out . . ." For Coffee. 17,679; Nov. 7.
M. J. B. Co., San Francisco, Calif. M. J. B. Why? "Thank Goodness I Went To Cooking School . . ." For Coffee. 17,680; Nov. 7.
M. J. B. Co., San Francisco, Calif. M. J. B. Why? "That's One Thing Mother Didn't Know . . ." For Coffee. 17,681; Nov. 7.
M. J. B. Co., San Francisco, Calif. M. J. B. Why? "This Chap Sure Opened My Eyes." For Coffee. 17,682; Nov. 7.
M. J. B. Co., San Francisco, Calif. M. J. B. Why? "We Found the Answer in a Snowstorm . . ." For Coffee. 17,683; Nov. 7.
M. J. B. Co., San Francisco, Calif. M. J. B. Why? "We Learned the Answer From the Sarah B . . ." For Coffee. 17,684; Nov. 7.
McGraw Electric Company, Elgin, Ill. Double Feature for Smart Entertaining. For Toasters and Waffle Bakers. 17,685; Nov. 7.
National Trade Stimulators. (See Sommers, Joseph C.)
Reusch, Henry C., & Co., Newark, N. J. Expander Healthshort. For Men's Shorts. 17,686; Nov. 7.
Sommers, Joseph C., doing business as National Trade Stimulators, Chicago, Ill. Complete Set of Our New 15-Year Guaranteed Silverware. For Silverware. 17,687; Nov. 7.
Wright, Grace, Grosse Pointe Farms, Mich. Kneel-Easy Garden Pads. For Knee Pads. 17,688; Nov. 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fibres, silver, slubbing, etc. H. C. Wolfenden. 372,574; Nov. 7; Serial No. 408,938; published Aug. 29, 1939.
Leather. Ohio Leather Company. 372,652; Nov. 7; Serial No. 420,723; published Aug. 29, 1939.
Leather, Sole. E. W. Parks. 372,593; Nov. 7; Serial No. 418,262; published Aug. 29, 1939.
Skins, Fur. Vandeweghe Trading Corp. 372,654; Nov. 7; Serial No. 420,740; published Aug. 29, 1939.
Tops and rovings. Collins and Aikman Corporation. 372,639; Nov. 7; Serial No. 420,474; published Aug. 29, 1939.

CLASS 3

Satchels and suitcases. American Hardware Company. 372,617; Nov. 7; Serial No. 419,787; published Aug. 8, 1939.

CLASS 4

Compound for treating or dressing the uppers and soles of shoes, and other leather products. L. E. Timson. 372,676; Nov. 7; Serial No. 421,168; published Aug. 29, 1939.
Preparation for cleaning and polishing glass and windows. E. O. Meyer. 372,601; Nov. 7; Serial No. 419,209; published Aug. 29, 1939.
Soap. Hewitt Soap Company. 372,701; Nov. 7.
Soap. Lanitt Co. 372,653; Nov. 7; Serial No. 420,737; published Aug. 29, 1939.
Soap and lavender shaving cream, Hard water. Philadelphia Wholesale Drug Company. 372,619; Nov. 7; Serial No. 419,877; published Aug. 29, 1939.

CLASS 6

Acetylene gas and carbid. Gas Tank Recharging Co. 129,723; renewed Mar. 9, 1940.
Calcium carbid. Air Reduction Company. 128,590; renewed Jan. 13, 1940.
Fuels. U. S. Industrial Alcohol Co. 130,020; renewed Mar. 23, 1940.
Powder, cold-cream, hair-wash, etc., Face. Armand Company. 129,597; renewed Mar. 9, 1940.
Preparation for the treatment of rheumatism, Liquid. A. A. Rugeley. 129,391; renewed Feb. 17, 1940.
Remedy for rheumatism. A. Dellapi. 129,347; renewed Feb. 17, 1940.

CLASS 8

Pipes, cigar holders, and cigarette holders, Tobacco. Parker Pipe Company Limited. 372,615; Nov. 7; Serial No. 419,732; published Aug. 29, 1939.
Pipes, Smoking. M. Linkman & Company. 372,597; Nov. 7; Serial No. 419,000; published Aug. 29, 1939.

CLASS 10

Fertilizer. Chicagrow Corporation. 372,627; Nov. 7; Serial No. 420,164; published Aug. 22, 1939.
Fertilizer. Ellis Laboratories, Inc. 372,599; Nov. 7; Serial No. 419,058; published Aug. 22, 1939.

CLASS 11

Inks and lithographic inks, Printing. Eagle Printing Ink Co. 129,686; renewed Mar. 9, 1940.

CLASS 14

Solder. American Smelting and Refining Company. 372,658; Nov. 7; Serial No. 420,842; published Aug. 29, 1939.
Steel forgings and castings. H. Cadwallader, Jr. 128,645; renewed Jan. 13, 1940.

CLASS 16

Paints. J. G. Casad. 129,338; renewed Feb. 17, 1940.
Paints and varnishes. I. M. Strauss. 372,622; Nov. 7; Serial No. 420,028; published Aug. 29, 1939.
Polish and scratch remover, Furniture. Maroff Company. 372,702; Nov. 7.

CLASS 17

Cigars. Enrico Cigar Company. 372,669; Nov. 7; Serial No. 421,019; published Aug. 29, 1939.

CLASS 21

Brake and propulsion control units, Combined electrical and pneumatic vehicle. Westinghouse Air Brake Company. 372,586; Nov. 7; Serial No. 416,527; published Aug. 29, 1939.
Generators, transmitters, transformers, etc., Electric. C. H. F. Müller, Aktiengesellschaft. 372,588; Nov. 7; Serial No. 417,230; published Aug. 29, 1939.
Microphones, phonograph pickups, etc. Asiatic Microphone Laboratory, Incorporated. 372,577; Nov. 7; Serial No. 411,074; published June 20, 1939.
Motors and parts therefor, Electric. Remington Rand Inc. 372,567; Nov. 7; Serial No. 400,469; published Aug. 29, 1939.

CLASS 22

Ball, General play. Oregon Worsted Company. 372,662; Nov. 7; Serial No. 420,914; published Aug. 29, 1939.
Fishing lines. Simmons Hardware Company. 372,684; Nov. 7; Serial No. 421,622; published Aug. 29, 1939.
Fishing tackle and sporting goods. Lyon & Coulson, Incorporated. 372,651; Nov. 7; Serial No. 420,721; published Aug. 29, 1939.
Toy animals, Magnetized. J. A. Sand, Jr. 372,690; Nov. 7; Serial No. 421,946; published Aug. 29, 1939.

CLASS 23

Apparatus and equipment for drilling, completing, and controlling oil wells. Gray Tool Company. 372,591; Nov. 7; Serial No. 418,005; published Aug. 8, 1939.
Cutlery, machinery, and tools, and parts thereof. H. Cadwallader, Jr. 128,950; renewed Jan. 20, 1940.
Propellers, engines, and parts associated therewith. Bendix Aviation Corporation. 372,704; Nov. 7.
Shavers, attachments, and parts thereof, Electric dry. Remington Rand Inc. 372,566; Nov. 7; Serial No. 394,304; published Aug. 29, 1939.
Shavers, Electric. National Silver Company. 372,589; Nov. 7; Serial No. 417,503; published Aug. 29, 1939.

CLASS 26

Lenses, Optical. Optikotechna spolecnost s r. o. 372,580; Nov. 7; Serial No. 413,680; published Aug. 29, 1939.

CLASS 29

Brushes and brooms. Cleveland Osborn Manufacturing Company. 127,357; renewed Nov. 11, 1939.
Tooth brushes and tooth brush attachments for electric motors. Remington Rand Inc. 372,568; Nov. 7; Serial No. 400,471; published Aug. 29, 1939.

CLASS 31

Coolers or refrigerators, Portable. R. W. MacDonald. 372,688; Nov. 7; Serial No. 421,707; published Aug. 29, 1939.

CLASS 32

Blinds, Venetian. National Venetian Blind Co. 372,680; Nov. 7; Serial No. 421,276; published Aug. 29, 1939.
Furniture and furniture convertible into sleeping units, Upholstered. Pullman Couch Company. 372,686; Nov. 7; Serial No. 421,671; published Aug. 29, 1939.
Mattresses. L. Bamberger & Co. 372,692; Nov. 7; Serial No. 421,959; published Aug. 29, 1939.
Mattresses. Sealy, Incorporated. 372,691; Nov. 7; Serial No. 421,950; published Aug. 29, 1939.

CLASS 35

Belting, Leather. Southern Belting Company. 372,681; Nov. 7; Serial No. 421,327; published Aug. 29, 1939.

Piston rings. Burd Piston Ring Company. 372,679; Nov. 7; Serial No. 421,234; published Aug. 29, 1939.
Piston rings. Koppers Company. 372,697; Nov. 7.
Piston rings. S. Q. shannon. 372,678; Nov. 7; Serial No. 421,204; Published Aug. 29, 1939.
Tires and tubes. Mansfield Tire and Rubber Company. 372,705; Nov. 7.
Tires for vehicles, Pneumatic. Mohawk Rubber Company. 372,683; Nov. 7; Serial No. 421,435; published Aug. 29, 1939.

CLASS 36

Koto strings. Mitsubishi Shoji Kaisha, Ltd. 372,621; Nov. 7; Serial No. 420,013; published Aug. 29, 1939.
Sound transmitters. Dictaphone Corporation. 372,608; Nov. 7; Serial No. 419,501; published Aug. 29, 1939.

CLASS 37

Cloth, Tracing. Columbia Mills, Inc. 372,696; Nov. 7.
Paper. Rising Paper Company. 372,703; Nov. 7.
Paper. Tobey-Fine Papers, Inc. 372,677; Nov. 7; Serial No. 421,169; published Aug. 29, 1939.
Paper, Parchment. Rhinelander Paper Company. 372,666; Nov. 7; Serial No. 420,969; published Aug. 29, 1939.
Paper, Shelf and lining. Royal Lace Paper Works. 372,672; Nov. 7; Serial No. 421,054; published Aug. 29, 1939.
Pens, mechanical pencils, and desk sets. W. J. Caley. 372,693; Nov. 7.
Tissue, napkins, neck strips, etc. Marcalus Manufacturing Co. 372,674; Nov. 7; Serial No. 421,091; published Aug. 29, 1939.

CLASS 38

Publications. Toledo Scale Company. 129,902; renewed Mar. 9, 1940.

CLASS 39

Brassières. M. K. Childs. 372,579; Nov. 7; Serial No. 411,520; published Aug. 22, 1939.
Chemises, slips, petticoats, etc. Kremholz & Lichtblau. 372,620; Nov. 7; Ser. No. 420,009; published Aug. 29, 1939.
Clothes, Children's. Neiman-Marcus Company. 372,606; Nov. 7; Serial No. 419,494; published Aug. 15, 1939.
Coats, suits, skirts, etc. New Jaunty Sportswear, Inc. 372,602; Nov. 7; Serial No. 419,307; published Aug. 15, 1939.
Coats, Women's. Irving Finker, Inc. 372,643; Nov. 7; Serial No. 420,522; published Aug. 22, 1939.
Cravats, Men's. Cohan, Roth & Stiffson. 130,011; renewed Mar. 23, 1940.
Dresses. Elsa Brady Frocks. 372,663; Nov. 7; Serial No. 420,932; published Aug. 29, 1939.
Dresses and suits. Chicago Mail Order Company. 372,641; Nov. 7; Serial No. 420,513; published Aug. 22, 1939.
Dresses, coats, suits, etc. Alex Lee Wallau Inc. 372,614; Nov. 7; Serial No. 419,695; published Aug. 8, 1939.
Dresses, coats, suits, etc., Ladies'. A. J. Rosenblatt. 372,609; Nov. 7; Serial No. 419,527; published Aug. 22, 1939.
Frocks and dresses. I. Schneierson & Sons, Inc. 372,645; Nov. 7; Serial No. 420,545; published Aug. 22, 1939.
Garments, Rubber-coated. A. J. Tower. 372,624; Nov. 7; Serial No. 420,077; published Aug. 15, 1939.
Gloves, Ladies'. Ireland Bros. 372,664; Nov. 7; Serial No. 420,958; published Aug. 29, 1939.
Gloves, Rubber. United Cigar-Whelan Stores Corporation. 372,638; Nov. 7; Serial No. 420,467; published Aug. 29, 1939.
Hats and caps. Young's Merchandising Corporation. 372,626; Nov. 7; Serial No. 420,153; published Aug. 29, 1939.
Hosiery. Allen-A Company. 372,603; Nov. 7; Serial No. 419,322; published Aug. 15, 1939.
Hosiery. Blue Line Hosiery Mills, Inc. 372,656; Nov. 7; Serial No. 420,802; published Aug. 29, 1939.
Hosiery. Gastonia Full Fashioned Hosiery Mill, Inc. 372,657; Nov. 7; Serial No. 420,814; published Aug. 29, 1939.
Hosiery. Richmond Hosiery Mills. 372,569; Nov. 7; Serial No. 405,091; published Aug. 29, 1939.
Jackets, coats, vests, etc. Gordon & Ferguson Company. 372,583–5; Nov. 7; Serial Nos. 415,942–4; published Aug. 22, 1939.
Neckties. A. S. Ashburner. 372,637; Nov. 7; Serial No. 420,444; published Aug. 29, 1939.
Nightgowns and pajamas. Carson Pirie Scott & Company. 372,613; Nov. 7; Serial No. 419,657; published Aug. 29, 1939.
Overalls, work shirts, jumpers, etc. Alexander Bros. Company. 372,668; Nov. 7; Serial No. 420,987; published Aug. 29, 1939.
Pajamas, nightshirts, and underwear. Amoskeag Pajama Co. 372,634; Nov. 7; Serial No. 420,357; published Aug. 15, 1939.
Pajamas, Sleeping and lounging. Glix-Brand Co. 372,623; Nov. 7; Serial No. 420,053; published Aug. 15, 1939.
Shirts. Felix A. Kanlan & Co. 372,633; Nov. 7; Serial No. 420,324; published Aug. 29, 1939.
Shirts and pants, Sport. W. Stechel. 372,673; Nov. 7; Serial No. 421,058; published Aug. 29, 1939.
Shirts, sweat pants, warm-up suits, etc., Sweat. Russell Manufacturing Company. 372,640; Nov. 7; Serial No. 420,500; published Aug. 22, 1939.
Shoes. Diamond Shoe Co. 372,642; Nov. 7; Serial No. 420,518; published Aug. 29, 1939.
Shoes, and misses' suits and coats. Best & Co. 372,607; Nov. 7; Serial No. 419,496; published Aug. 8, 1939.
Shoes, Men's and boys' leather. Craddock-Terry Shoe Corporation. 372,605; Nov. 7; Serial No. 419,417; published Aug. 29, 1939.
Slips, Ladies' and children's. Seymour-Avery Manufacturing Company. 372,616; Nov. 7; Serial No. 419,772; published Aug. 15, 1939.
Stockings. Wayne Knitting Mills. 372,647; Nov. 7; Serial No. 420,554; published Aug. 22, 1939.
Suits and overcoats. Rogers Peet Company. 372,660; Nov. 7; Serial No. 420,875; published Aug. 29, 1939.
Suits, overalls, shorts, etc. L. Isaacson & Sons, Inc. 372,632; Nov. 7; Serial No. 420,323; published Aug. 29, 1939.
Suits, overcoats, and top coats. Gibberman Bros. & Co. 372,631; Nov. 7; Serial No. 420,317; published Aug. 15, 1939.
Suspenders, braces, and supporters. Pioneer Suspender Company. 372,644; Nov. 7; Serial No. 420,542; published Aug. 29, 1939.
Sweaters and two piece knitted dresses, Ladies' and misses' knitted sport. Select Sportswear, Inc. 372,667; Nov. 7; Serial No. 420,972; published Aug. 29, 1939.
Sweaters, bathing suits, jackets, etc., Men's. May Department Stores Company. 372,628; Nov. 7; Serial No. 420,231; published Aug. 29, 1939.
Trousers and sportswear. Davenshire, Inc. 372,655; Nov. 7; Serial No. 420,751; published Aug. 29, 1939.
Undergarments, slips, girdles, etc. Julius Kayser & Co. 372,604; Nov. 7; Serial No. 419,409; published Aug. 8, 1939.

CLASS 40

Combs. Vulcanized Rubber Company. 372,575; Nov. 7; Serial No. 409,145; published Aug. 22, 1939.
Straps, Leather watch. E. Berg. 372,650; Nov. 7; Serial No. 420,662; published Aug. 29, 1939.
Straps, watch chains, wrist watch bracelets, etc., Watch. Gemex Company. 372,648; Nov. 7; Serial No. 420,577; published Aug. 29, 1939.
Wire for obtaining body and firmness in hats, bags, and the like, Covered. Fraser Manufacturing Co. Inc. 372,618; Nov. 7; Serial No. 419,864; published Aug. 22, 1939.

CLASS 42

Cotton piece goods and sheets and pillow cases. Wamsutta Mills. 372,646; Nov. 7; Serial No. 420,553; published Aug. 29, 1939.
Piece goods. Marcus Brothers. 372,699; Nov. 7.
Piece goods, Textile art. K. Feibel, Ltd. 372,612; Nov. 7; Serial No. 419,613; published Aug. 29, 1939.
Towels. Boott Mills. 372,706; Nov. 7.
Woolen goods in the piece. Worumbo Manufacturing Company. 129,943; renewed Mar. 9, 1940.
Woolen goods in the piece. Worumbo Manufacturing Company. 129,946; renewed Mar. 9, 1940.

CLASS 44

Hosiery and underwear, Elastic. Otis Clapp & Son, Inc. 372,687; Nov. 7; Serial No. 421,691; published Aug. 29, 1939.
Hospital signal cords and waste receptacle holders. E. W. Crum. 372,682; Nov. 7; Serial No. 421,371; published Aug. 29, 1939.
Manicure kits. Henkel-Clauss Company. 372,685; Nov. 7; Serial No. 421,652; published Aug. 29, 1939.
Osteopathic treatment tables. D. B. Catlin. 372,600; Nov. 7; Serial No. 419,140; published Aug. 29, 1939.

CLASS 45

Beverages. C. H. Boehringer Sohn. 372,581; Nov. 7; Serial No. 415,700; published Aug. 29, 1939.

CLASS 46

Alimentary paste products. L. M. Sims. 372,661; Nov. 7; Serial No. 420,879; published Aug. 29, 1939.
Bread. General Baking Company. 372,596; Nov. 7; Serial No. 418,682; published Aug. 29, 1939.
Bread and pastry. W. P. MacDonald. 372,592; Nov. 7; Serial No. 418,160; published Aug. 29, 1939.
Candy. John G. Woodward & Co. 128,904; renewed Jan. 13, 1940.
Canned fresh vegetables and vegetable juices. Tyrrell and Garth, Inc. 372,571; Nov. 7; Serial No. 407,288; published Aug. 29, 1939.
Canned fruits, vegetables, fish, etc. Los Angeles Sales Co. 372,665; Nov. 7; Serial No. 420,960; published Aug. 29, 1939.
Canned tomatoes, canned fish. G. & G. Wholesale Grocers, Inc. 372,570; Nov. 7; Serial No. 406,712; published Aug. 29, 1939.
Canned vegetables. California Pea Products, Inc. 372,565; Nov. 7; Serial No. 390,412; published May 18, 1937.
Eggs. Acme Egg Co. 372,675; Nov. 7; Serial No. 421,117; published Aug. 29, 1939.

Flour, Wheat. Ismert-Hincke Milling Company. 372,587; Nov. 7; Serial No. 416,899; published Aug. 29, 1939.
Foods, Infant. R. Rebhun. 372,636; Nov. 7; Serial No. 420,431; published Aug. 29, 1939.
Foods, Prepared baby. Paley-Sachs Food Co. 372,598; Nov. 7; Serial No. 419,037; published Aug. 29, 1939.
Fruit, Fresh citrus. Culbertson Lemon Assn. 372,670; Nov. 7; Serial No. 421,028; published Aug. 29, 1939.
Fruits, Dried. A. J. Gahan. 372,698; Nov. 7.
Fruits, jellies, jams, etc., Crystallized. R. G. Richardson. 372,700; Nov. 7.
Ice cream cones. P. H. Muth. 372,694; Nov. 7.
Pea soup. Catelli Food Products, Ltd. 372,610; Nov. 7; Serial No. 419,572; published Aug. 29, 1939.
Pie fillings, Canned. Montsweag Food Products, Inc. 372,629; Nov. 7; Serial No. 420,232; published Aug. 29, 1939.
Popcorn, Buttered popped. C. Hefley. 372,635; Nov. 7; Serial No. 420,374; published Aug. 29, 1939.
Popcorn coated with cheese. Ross Potato Chip Co. 372,572; Nov. 7; Serial No. 407,764; published Aug. 29, 1939.
Salad dressing, Bottled. E. C. Van Wert. 372,630; Nov. 7; Serial No. 420,298; published Aug. 29, 1939.
Sandwiches. Bull-Burger Company. 372,582; Nov. 7; Serial No. 415,761; published Aug. 29, 1939.
Tea. M. Sawada. 372,649; Nov. 7; Serial No. 420,645; published Aug. 29, 1939.
Vegetables and melons, Fresh. J. M. Jacobs. 372,576; Nov. 7; Serial No. 409,811; published Aug. 29, 1939.
Vegetables, fresh fruits, Fresh. K. Tottori. 372,590; Nov. 7; Serial No. 417,894; published Aug. 29, 1939.

CLASS 48

Ale, Sparkling. Deerpark Beverages, Inc. 372,671; Nov. 7; Serial No. 421,029; published Aug. 29, 1939.

CLASS 49

Whiskey. Calvert Distilling Co. 372,578; Nov. 7; Serial No. 411,083; published Aug. 29, 1939.
Whiskey. Julius Kessler Distilling Co. 372,573; Nov. 7; Serial No. 408,443; published Aug. 29, 1939.
Whiskey. Hiram Walker & Sons Inc. 372,689; Nov. 7; Serial No. 421,867; published Aug. 29, 1939.
Whisky. Alexander McDougall & Company Limited. 372,594–5; Nov. 7; Serial Nos. 418,586–7; published Aug. 29, 1939.

CLASS 50

Card cloth, card clothing foundation, printers' offset blankets, etc. Lloyd Manufacturing Co. 372,611; Nov. 7; Serial No. 419,582; published Aug. 29, 1939.
Covers, Billiard table. Brunswick-Balke-Collender Company. 372,564; Nov. 7; Serial No. 389,451; published Aug. 29, 1939.
Swatters, Fly. Graef-Cowen Corporation. 372,695; Nov. 7.
Tents. National Canvas Goods Manufacturers Association, Inc. 372,625; Nov. 7; Serial No. 420,138; published Aug. 29, 1939.
Water proof materials, Cellulose processed. R. S. Harte. 372,659; Nov. 7; Serial No. 420,858; published Aug. 29, 1939.

LIST OF LABELS

A. R. P. I. Process Vitamin D. For a Concentrated Sterilized Fluid Preparation of Activated Ergosterol, A. R. P. I. Process for Use in Fortifying Bread and Other Food Products. General Mills, Inc. 53,888; Nov. 7.
Ambassador Coffee. For Coffee. J. Lambros. 53,892; Nov. 7.
Cream Extractor. For Cream Extractors. New Jersey Specialty Company. 53,895; Nov. 7.
Form 1533. For Metal Working Cutters. George Gorton Machine Co. 53,890; Nov. 7.
French Chef's Selection. For Kitchen Knives. R. B. Paysee. 53,896; Nov. 7.
Mead's Brewers Yeast Powder. For Brewers Yeast Powder. Mead Johnson & Company. 53,893; Nov. 7.
Mead's Flavored Cod Liver Oil. For Flavored Cod Liver Oil. Mead Johnson & Company. 53,894; Nov. 7.
Miracle New Wood Roller Masher Strainer. For Strainers. Edward Katzinger Company. 53,891; Nov. 7.
Satinwax, Made by the Makers of Solax. For a Liquid Wax for Floors. Economics Laboratory, Incorporated. 53,887; Nov. 7.
Spe-De. For Soap Powder. L. N. Goodrich. 53,889; Nov. 7.

LIST OF PRINTS

"Bullet Ball" Danowski Throws Pay-Off Pass! For Cereal Food. General Mills, Inc. 17,670; Nov. 7.
Complete Set of Our New 15-Year Guaranteed Silverware. For Silverware. J. C. Sommers. 17,687; Nov. 7.
Cup-Testing at Hills Bros.—"Now That's what I Call Good Coffee!" Adform 1015-A. For Coffee. Hills Bros. Coffee, Inc. 17,673; Nov. 7.
Double Feature for Smart Entertaining. For Toasters and Waffle Bakers. McGraw Electric Company. 17,685; Nov. 7.
Expander Healthshort. For Men's Shorts. Henry C. Reusch & Co. 17,686; Nov. 7.
Free! This Lovely, Genuine Gay Rainbow Milk and Cream Pitcher. For a Cereal Food. General Mills, Inc. 17,669; Nov. 7.
Inspecting Green Coffee—"Now That's What I Call Good Coffee!" Adform 1015-B. For Coffee. Hills Bros. Coffee, Inc. 17,674; Nov. 7.
Kneel-Easy Garden Pads. For Knee Pads. G. Wright. 17,688; Nov. 7.
M. J. B. Why? "I'm Thinking How Nice It'd Be To Have a Customer Once in a While When I Get a Brilliant Idea . . ." For Coffee. M. J. B. Co. 17,675; Nov. 7.
M. J. B. Why? "I'm Walking along the Waterfront, Figuring How to Square Things with the Wife, When this Guy Yells . . ." For Coffee. M. J. B. Co. 17,676; Nov. 7.
M. J. B. Why? "It Cost Us $5 to Find Out . . ." For Coffee. M. J. B. Co. 17,677; Nov. 7.
M. J. B. Why? "It Got Me a $10 Tip." For Coffee. M. J. B. Co. 17,678; Nov. 7.
M. J. B. Why? "It Was Worth Getting Lost to Find Out . . ." For Coffee. M. J. B. Co. 17,679; Nov. 7.
M. J. B. Why? "Thank Goodness I Went to Cooking School . . ." For Coffee. M. J. B. Co. 17,680; Nov. 7.
M. J. B. Why? "That's One Thing Mother Didn't Know . . ." For Coffee. M. J. B. Co. 17,681; Nov. 7.
M. J. B. Why? "This Chap Sure Opened My Eyes." For Coffee. M. J. B. Co. 17,682; Nov. 7.
M. J. B. Why? "We Found the Answer in a Snowstorm . . ." For Coffee. M. J. B. Co. 17,683; Nov. 7.
M. J. B. Why? "We Learned the Answer From the Sarah B . . ." For Coffee. M. J. B. Co. 17,684; Nov. 7.
Sparkle a Cola that Satisfies. C. E. Britton. 17,668; Nov. 7.
The Correct Grind for Best Results by any Method of Coffee-Making—for Drip, Glass Maker, Percolator, or Pot—Adform 1017. For Coffee. Hills Bros. Coffee, Inc. 17,672; Nov. 7.
The MacFarlane System (Two Prices on the Same Candy). For Candy and Nuts. Awful Fresh MacFarlane. 17,667; Nov. 7.
We've Had an Avalanche of Requests for This Recipe. For Flour. General Mills, Inc. 17,671; Nov. 7.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)
Brock, Clarence A., assignor, by mesne assignments, to Rexair, Inc., Detroit, Mich. Nozzle for vacuum cleaners. Re. 21,256; Nov. 7, 1939.
Hosiery Patents, Inc. (See Taylor, Raymond, assignor.)
Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat exchanger. Re. 21,257; Nov. 7, 1939.
Rexair, Inc. (See Brock, Clarence A., assignor.)
Taylor, Raymond, Earl Shilton, England, assignor, by mesne assignments, to Hosiery Patents, Inc., Wilmington, Del. Hose. Re. 21,258; Nov. 7, 1939.

LIST OF DESIGN PATENTEES

Albers, John R., Sioux City, Iowa. Wind charging unit. 117,513; Nov. 7.
Allen, Walter, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Floor covering or the like. 117,441; Nov. 7.
Altorfer, Henry W., Peoria, Ill. Washing machine. 117,442; Nov. 7.
Aronoff, Shirley, New York, N. Y. Dress. 117,465; Nov. 7.
Autoyre Company, The. (See Sanford, Roy S., assignor.)
Bandy, Raymond L., et al. (See Julius, John D., assignor.)
Bandy, Zora E., et al. (See Julius, John D., assignor.)
Bickner, Clarence, Bartlesville, Okla. Alphabet button or similar article. 117,443; Nov. 7.
Bigelow-Sanford Carpet Co. (See Allen, Walter, assignor.)
Bill, George W., assignor to The Crosley Corporation, Cincinnati, Ohio. Automobile radio set or the like. 117,490; Nov. 7.
Bramming, Carl, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Vacuum bottle. 117,466; Nov. 7.
Busian, Gerhard L., assignor to W. R. Wilson, Detroit, Mich. Pipe coupling. 117,444; Nov. 7.
Buszkiewicz, Walter L., Lemont, Ill. Dispenser for cigarettes or cigars. 117,491; Nov. 7.
Butzner, Elizabeth R., New York, N. Y. Table or similar article. 117,445; Nov. 7.
Butzner, Elizabeth R., New York, N. Y. Table or similar article. 117,446; Nov. 7.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille unit. 117,492; Nov. 7.
Cameo Vinyards Company. (See Parker, Ovid S., assignor.)
Campbell, Sterling H., and F. H. Pletzsch, assignors to Western Railway Equipment Company, St. Louis, Mo. Card holder. 117,447; Nov. 7.
Chesnut, William C., assignor to Hartman Trunk Company, Racine, Wis. Hand luggage case. 117,467; Nov. 7.
Chrysler Corporation. (See Cadwallader, Robert, assignor.)
Cohen, David C., et al. (See Trojan, José, assignor.)
Connors, James J., assignor to The Charles Parker Company, Meriden, Conn. Vise. 117,448; Nov. 7.
Corday, Paulette, New York, N. Y. Dress. 117,514; Nov. 7.
Croizat, Madeleine, New York, N. Y. Dress. 117,516; Nov. 7.
Croizat, Madeleine, New York, N. Y. Dress. 117,517; Nov. 7.
Cronkhite, Della F., Fort Wayne, Ind. Cap. 117,515; Nov. 7.
Crosley Corporation, The. (See Bill, George W., assignor.)
Crystal Manufacturing Co. (See Trojan, José.)
Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
De Smet, Edgard C., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Automobile. 117,493; Nov. 7.
Devereux, Burton W., Pueblo, Colo. Ice cream cone. 117,449; Nov. 7.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Elfenbein, Bert, Scarsdale, assignor to Felix Tausend & Sons, New York, N. Y. Tablecloth. 117,468; Nov. 7.
Elfenbein, Bert, Scarsdale, assignor to Felix Tausend & Sons, New York, N. Y. Tablecloth. 117,469; Nov. 7.
Elfenbein, Bert, Scarsdale, assignor to Felix Tausend & Sons, New York, N. Y. Tablecloth. 117,518; Nov. 7.
Engel, Alice, New York, N. Y. Dress. 117,470; Nov. 7.
Evans, Powell, Haverford, Pa. Combination fire grenade and support. 117,471; Nov. 7.
Fader, William, Newark, N. J. Radiator humidifier. 117,494; Nov. 7.
Feldman, Jack J., New York, N. Y. Woven elastic textile fabric. 117,548; Nov. 7.
Fink-Roselleve Co. Inc. (See Naylor, William E., assignor.)
Forstmann, Curt E., Montclair, N. J. Textile fabric. 117,546; Nov. 7.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 117,547; Nov. 7.
Fracchia, Pauline, New York, N. Y. Dress. 117,510; Nov. 7.
Fracchia, Pauline, New York, N. Y. Dress. 117,511; Nov. 7.
Fracchia, Pauline, New York, N. Y. Dress. 117,520; Nov. 7.
Fracchia, Pauline, New York, N. Y. Dress. 117,531; Nov. 7.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or similar article. 117,472; Nov. 7.
Friedman, Bertha B., New York, N. Y. Combined infant's jacket and blanket. 117,521; Nov. 7.
Frontman, Samuel E., New York, N. Y. Dress. 117,537; Nov. 7.
Garvey, John B., Philadelphia, Pa. Crucifix. 117,450; Nov. 7.
General Electric Company. (See Gustafson, Gustave A., assignor.)
Gilmore, John L., Kansas City, Mo. Trailer coupler fitting. 117,509; Nov. 7.
Grand Rapids Store Equipment Co. (See Vaughn, Henry P., assignor.)
Grode, John O., Hackensack, N. J. Electric bed lamp. 117,473; Nov. 7.
Grode, John O., Hackensack, N. J. Bed lamp. 117,474; Nov. 7.
Gustafson, Gustave A., Meriden, Conn., assignor to General Electric Company. Globe for lighting fixtures. 117,475; Nov. 7.
Hadley Company, The. (See Tost, Charles R., assignor.)
Hartmann Trunk Company. (See Chesnut, William C., assignor.)
Hermann, James C., Los Angeles, Calif. Housing for bathtub fittings. 117,476; Nov. 7.
Hersey, William A. (See Lux, F., and Hersey.)
Heyman, Nathan, assignor to Oscar Heyman & Brothers, Inc., New York, N. Y. Ring. 117,495; Nov. 7.
Heyman, Oscar, & Brothers, Inc. (See Heyman, Nathan, assignor.)
Holiday Corporation. (See Parr, George T., assignor.)
Householder, Owen, et al. (See Trojan, José, assignor.)
Hovey, George B., Cincinnati, Ohio. Prayer medal. 117,451; Nov. 7.
Johnson, Beverly, Dallas, Tex. Glider. 117,440; Nov. 7.
Julius, John D., assignor of one-fourth to R. L. Bandy and one-fourth to Z. E. Bandy, Indianapolis, Ind. Combined can punch and pouring spout. 117,506; Nov. 7.
Kaiser, Charles, Great Neck, assignor to Morimura Bros., Inc., New York, N. Y. Casserole dish. 117,508; Nov. 7.
Kalter, Harold E., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle seat. 117,477; Nov. 7.
Kalter, Harold E., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle seat. 117,496; Nov. 7.
Kashine, Louis L., New York, N. Y. Dress. 117,538; Nov. 7.
Keenan, Ralph G., Denver, Colo. Service plate. 117,478; Nov. 7.
Korshak, Medy, New York, N. Y. Dress. 117,539; Nov. 7.
Korshak, Medy, New York, N. Y. Dress. 117,540; Nov. 7.
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator cabinet. 117,452; Nov. 7.
Leishman, Le Roy J., Los Angeles, Calif. Escutcheon plate for a combined radio dial and control panel or the like. 117,522; Nov. 7.

Linstrom, John B., Newton, Mass. Reflector. 117,479; Nov. 7.
Lux Clock Manufacturing Company, The. (See Lux, F., and Hersey, assignors.)
Lux, Frederick, and W. A. Hersey, assignors to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Case for range timers. 117,497; Nov. 7.
Maidman, Ada, New York, N. Y. Dress ensemble. 117,541; Nov. 7.
Mantle Lamp Company of America, The. (See Bramming, Carl, assignor.)
Marcus, Mortimer, New York, N. Y. Belt or similar article. 117,523; Nov. 7.
Mascitelli, Catherine, New York, N. Y. Dress ensemble. 117,480; Nov. 7.
Mascitelli, Marie, New York, N. Y. Dress ensemble. 117,481; Nov. 7.
Mey, Marcel, New York, N. Y. Textile fabric. 117,453; Nov. 7.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 117,498; Nov. 7.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 117,499; Nov. 7.
Michel, Julius, New York, N. Y. Handbag. 117,524; Nov. 7.
Michelson, Margaret, New York, N. Y. Dress. 117,525; Nov. 7.
Miller, Jack S., Woonsocket, R. I. Illuminated anniversary calendar reminder. 117,526; Nov. 7.
Morimura Bros., Inc. (See Kaiser, Charles, assignor.)
Mustarkes, Mildred, Newport, R. I. Bird house or the like. 117,482; Nov. 7.
Naylor, William E., New York, N. Y., assignor to Fink-Roselieve Co. Inc., New York, N. Y. Photographic tong or similar article. 117,454; Nov. 7.
Novak, Syd, Chicago, Ill. Dress. 117,527; Nov. 7.
Odisco Corporation. (See Pressey, William L., assignor.)
Parker, Charles, Company, The. (See Connors, James J., assignor.)
Parker, Ovid S., South Gate, assignor to Cameo Vinyards Company, Fresno, Calif. Bottle. 117,500; Nov. 7.
Parker, William M., Sr., Granite City, Ill. Casket illuminating lamp. 117,483; Nov. 7.
Parr, George T., Minneapolis, Minn., assignor to Holiday Corporation, Minneapolis, Minn. Confection. 117,455; Nov. 7.
Parr, George T., Minneapolis, Minn., assignor to Holiday Corporation, Minneapolis, Minn. Confection. 117,456; Nov. 7.
Perlmutter, Henry A., New York, N. Y. Lamp base. 117,484; Nov. 7.
Pietzsch, Frank H. (See Campbell, S. H., and Pietzsch.)
Pressey, William L., assignor to Odisco Corporation, Chicago, Ill. Portable washing machine. 117,457; Nov. 7.
Price, David W., New York, N. Y. Dress. 117,528; Nov. 7.
Price, David W., New York, N. Y. Dress. 117,529; Nov. 7.
Rich, Jeannette, Chicago, Ill. Vanity case or similar article. 117,485; Nov. 7.
Roher, Harry, New York, N. Y. Dress. 117,512; Nov. 7.
Rose, Felicia L., New York, N. Y. Dress. 117,542; Nov. 7.
Rosen, Max J., Brooklyn, N. Y. Handkerchief. 117,519; Nov. 7.
Rosen, Max J., Brooklyn, N. Y. Handkerchief. 117,530; Nov. 7.
Rosenzweig, Arthur, New York, N. Y. Coat. 117,532; Nov. 7.
Rost, Katheryn, New York, N. Y. Dress. 117,543; Nov. 7.
Rost, Katheryn, New York, N. Y. Dress. 117,544; Nov. 7.
Rothenberg, Edward, Brooklyn, N. Y. Textile fabric. 117,486; Nov. 7.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Combination soap dish and brackets. 117,487; Nov. 7.
Sappington, Harry L., Jefferson City, Mo. Edible ice cream container or the like. 117,458; Nov. 7.
Scharf, Leon, New York, N. Y. Jacket. 117,459; Nov. 7.
Schneider, Louis J., Chicago, Ill. Sign supporting bracket. 117,501; Nov. 7.
Scholle, Charles F., Larchmont, assignor to Standard Coated Products Corporation, New York, N. Y. Oilcloth or similar article. 117,502; Nov. 7.
Schonberg, Alfred W., Minneapolis, Minn. Motor vehicle bumper. 117,505; Nov. 7.
Shull, Harry, New York, N. Y. Dress ensemble. 117,488; Nov. 7.
Shull, Harry, New York, N. Y. Dress ensemble. 117,503; Nov. 7.
Silverman, Jacob A., Brooklyn, N. Y. Suit. 117,533; Nov. 7.
Simon, Irwin B., San Francisco, Calif. Hat. 117,534; Nov. 7.
Simon, Irwin B., San Francisco, Calif. Hat. 117,545; Nov. 7.
Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Cutting torch. 117,504; Nov. 7.
Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)
Standard Coated Products Corporation. (See Scholle, Charles F., assignor.)
Tausend, Felix, & Sons. (See Elfenbein, Bert, assignor.)
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Casing for a woodworking machine. 117,460; Nov. 7.
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Combination top, gauge, and guide bars for woodworking machines. 117,461; Nov. 7.
Tost, Charles R., Cranston, assignor to The Hadley Company, Inc., Providence, R. I. Cravat holder or similar article. 117,507; Nov. 7.
Trojan, José, Chicago, Ill., assignor to Owen Householder and D. C. Cohen, co-partners, doing business as Crystal Manufacturing Co. Merchandise display case. 117,489; Nov. 7.
Troxel Manufacturing Company, The. (See Kalter, Harold E., assignor.)
Uihlein, George V., Worcester, Mass. Rug or similar article. 117,462; Nov. 7.
Vaughn, Henry P., assignor to Grand Rapids Store Equipment Co., Grand Rapids, Mich. Display case. 117,463; Nov. 7.
Vernon, William F., Newton, Iowa. Door pull. 117,464; Nov. 7.
Weidner, Victor, Port Washington, assignor to The Western Union Telegraph Company, New York, N. Y. Teleprinter cabinet. 117,535; Nov. 7.
Weidner, Victor, Port Washington, assignor to The Western Union Telegraph Company, New York, N. Y. Teleprinter cabinet. 117,536; Nov. 7.
Western Railway Equipment Company. (See Campbell, S. H., and Pietzsch, assignors.)
Western Union Telegraph Company, The. (See Weidner, Victor, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)
Willys-Overland Motors, Inc. (See De Smet, Edgard C., assignor.)
Wilson, William R. (See Businn, Gerhard L., assignor.)

LIST OF PATENTEES
TO WHOM
PATENTS WERE ISSUED ON THE 7TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abercrombie Pump Company. (See Allen, Herbert, assignor.)
Acree, Solomon F., Washington, D. C. Determining pH and buffers and indicators therefor. 2,178,550; Nov. 7.
Agfa Ansco Corporation. (See Eggert, J., Froehlich, and Wendt, assignors.)
Agfa Ansco Corporation. (See Schneider, Wilhelm, assignor.)
Agfa Ansco Corporation. (See Schneider, W., and Fröhlich, assignors.)
Agfa Ansco Corporation. (See Schneider, W., and Hagedorn, assignors.)
Agfa Ansco Corporation. (See Wilmanns, G., Schneider, and Bauer, assignors.)
Agnew, Norman F., Stockton, Calif., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote controlling apparatus. 2,179,311; Nov. 7.
Airdraulic Brake Corporation. (See Groves, Martin V., assignor.)
Air Pressure Indicators, Inc. (See Edmonston, Allie, assignor.)
Air Reduction Company. (See Metzger, Floyd J., assignor.)
Akron Brass Manufacturing Company. (See Schellin, J. C., Housekeeper, and Hunt, assignors.)
Aktiebolaget Formator. (See Dahlström, Ernst R., assignor.)
Aktiebolaget Linham. (See Lindstedt, G. A., and Öhrn, assignors.)
Aktiengesellschaft Brown, Boveri & Cie. (See Ruegg, Heinrich, assignor.)
Aktiengesellschaft Hermann Forster. (See Müller, Johann, assignor.)
Alexander, Elias, London, England. Printing medium. 2,179,168; Nov. 7.
Alink, Roelof J. H., and J. H. de Boer, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Light-sensitive layer and making same. 2,178,771; Nov. 7.
Allegheny Steel Company. (See Browne, Vere B., assignor.)
Allen, Herbert, Houston, Tex., assignor to Abercrombie Pump Company. Liquid pressure adjustable relief valve. 2,179,003; Nov. 7.
Allgemeine Elektricitats Gesellschaft. (See Bruche, E., and Schaffernicht, assignors.)
Allison, Elton R., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Progressive-burning smokeless powder. 2,179,312; Nov. 7.
Allison, Elton R., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Progressive-burning smokeless powder. 2,179,313; Nov. 7.
Allison, Elton R., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Progressive-burning smokeless powder. 2,179,314; Nov. 7.
Allison, Elton R., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Progressive-burning smokeless powder. 2,179,315; Nov. 7.
Allwood, Albert, North Charleston, S. C., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Method and means for making drafted yarn. 2,179,078; Nov. 7.
Almgren, August E., Hillside, N. J. Aerial toy. 2,178,551; Nov. 7.
Aloe, A. S., Co. (See D'Amato, Emile R., assignor.)
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,179,079; Nov. 7.
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Coking of hydrocarbon oils. 2,179,080; Nov. 7.
Alton, William H., Westport, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Filtering. 2,179,028; Nov. 7.
Aluminum Company of America. (See Hogg, Emerson E., assignor.)
American Bank Note Company. (See Marquardt, Frank C., assignor.)
American Can Company. (See Taylor, William E., assignor.)
American Can Company. (See White, Richard J., assignor.)
American Chain & Cable Company. (See Delano, Howard A., assignor.)
American Coach & Body Company, The. (See Eckman, Meril L., assignor.)
American Coating Mills, Inc. (See Wheeler, Donald P., assignor.)
American Cyanamid Company. (See Ham, Garnet P., assignor.)
American Enka Corporation. (See Polak, J. J., and Weeldemburg, assignors.)
American Forging & Socket Company, The. (See McGregor, Thomas A., assignor.)
American Houses, Inc. (See McLaughlin, Robert W., Jr., assignor.)
American Laundry Machinery Company, The. (See Couch, Forrest J., assignor.)
American Machine & Foundry Company. (See Horgan, George D., assignor.)
American-Maize-Products Company. (See Stein, L., Walsh, and Needle, assignors.)
American-National Company, The. (See Baumker, William H., assignor.)
American-National Company, The. (See Snell, Samuel A., assignor.)
American Optical Company. (See Goddu, L. W., and Caldwell, assignors.)
American Rock Wool Corporation. (See Drill, Daniel C., assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Sales Book Company. (See Hageman, Louis F., assignor.)
American Steel Foundries. (See Tack, Carl E., assignor.)
American Steel and Wire Company of New Jersey, The. (See Brickman, A. E., and Platou, assignors.)
American Steel and Wire Company of New Jersey, The. (See Garman, Floyd A., assignor.)
American Steel and Wire Company of New Jersey, The. (See Leahey, Francis P., assignor.)
American Stove Company. (See Hoffman, Rudolph, assignor.)
American Stove Company. (See Moecker, Arnold H., assignor.)
American Swiss Company, The. (See Rightmyer, Holden W., assignor.)
American Textile Company. (See Ruttenberg, Charles, assignor.)
American Window Glass Company. (See Bishop, Frederic L., Jr., assignor.)
Anderson, Alfred, Minneapolis, Minn. Lockwasher. 2,179,169; Nov. 7.
Anderson, Olof B., Marquette, Mich., assignor to E. J. Longyear Company, Minneapolis, Minn. Drill stem feed. 2,179,316; Nov. 7.
Anderson, Raymond T., Berea, assignor to The V. D. Anderson Company, Cleveland, Ohio. Press. 2,178,714; Nov. 7.
Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)
Anderson, Victor G. (See Rambush, E., and Anderson, assignors.)
Andre, Gustaf E., Richmond, Ind., assignor to Belden Manufacturing Co., Chicago, Ill. Electrical connector. 2,178,621; Nov. 7.
Applebaum, Samuel B., assignor to The Permutit Company, New York, N. Y. Water treating apparatus 2,179,246; Nov. 7.
Arbuckle, S. F., Corporation. (See Arbuckle, Samuel F., assignor.)
Arbuckle, Samuel F., Highland Park, Mich., assignor to S. F. Arbuckle Corporation. Sign. 2,178,715; Nov. 7.
Armentrout, A. L., et al. (See Pieper, Howard K., assignor.)
Arnold, William W., Jr., Knoxville, Tenn. Self-balancing creel. 2,179,247; Nov. 7.
Askania-Werke A. G. (See Schencke, Karl, assignor.)
Atlas Tool & Manufacturing Company. (See Delf, George A., assignor.)
Atwell, Harold V., White Plains, assignor to Process Management Company, Inc., New York, N. Y. Conversion of gaseous hydrocarbons. 2,178,824; Nov. 7.
Automatic Shifters, Inc. (See Baade, Henry, assignor.)
Autopoint Company. (See Dell, Frank C., assignor.)
Avery Drilling Machine Company, The. (See McKee, G. K., and Bernitt, assignors.)
Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Making bags. 2,179,463; Nov. 7.
Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Bag manufacture. 2,179,464; Nov. 7.
Baade, Henry, Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism for motor vehicles. 2,179,368; Nov. 7.
Baak, Albert E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switching mechanism. 2,178,825; Nov. 7.

Baash-Ross Tool Company. (See Bronzan, B., and Johnson, assignors.)
Babcock & Wilcox Company, The. (See Tomlinson, G. H., and Wilcoxson, assignors.)
Bader, William, and R. Licher, assignors to The Kelley-Koett Manufacturing Company Incorporated, Covington, Ky. Stereoscopic shift. 2,178,867; Nov. 7.
Bahensky, Le Roy, Palmer, Nebr. Tractor wheel attachment. 2,179,170; Nov. 7.
Bähring, Herbert, Berlin-Zehlendorf, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf near Berlin, Germany. Two-tube deflecting circuit. 2,178,772; Nov. 7.
Bailey Meter Company. (See Gorrie, Harvard H., assignor.)
Baker & Company. (See Rosenblatt, Edgar F., assignor.)
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker Oil Tools, Inc. (See Baker, R. C., and Burt, assignors.)
Baker, Pearce H. (See Hill, George and A. G., Baker, Mitchum, and Harper.)
Baker Perkins Company Inc. (See Dumbleton, Claude, assignor.)
Baker Perkins Company Inc. (See Paterson, John C., assignor.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Bridge and cement retainer for well bores. 2,178,844; Nov. 7.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Safety circulation medium for well casings. 2,178,845; Nov. 7.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well cementing shoe. 2,178,846; Nov. 7.
Baker, Reuben C., Coalinga, and C. E. Burt, Los Angeles, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Cementing plug stop for well casings. 2,178,847; Nov. 7.
Baker, Virgil H. (See Mattern, J. F., and Baker.)
Baker, V. P., et al. (See Pieper, Howard K., assignor.)
Baldwin Company, The. (See Day, Wilbur M., assignor.)
Bandish, Joseph M., and O. Markel, Chicago, Ill.. Tube holding structure and lock. 2,179,248; Nov. 7.
Barger, George K., and S. Hansen, Seattle, Wash. Radio receiving circuits. 2,178,552; Nov. 7.
Barnard, Randolph H., Toledo, Ohio. Method of and apparatus for forming glass building blocks. 2,179,317; Nov. 7.
Barnes, Ernest, Gilroy, Calif. Boring tool. 2,179,029; Nov. 7.
Barnett, Paul B. (See Upton, C. G., and Barnett.)
Barrington, Amos L., Brownwood, Tex. Wrench for coupling sucker rods. 2,179,396; Nov. 7.
Barthelemy, René, Fontenay aux Roses, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, Seine, France. Amplifier for electrons. 2,179,112; Nov. 7.
Bartholome, Joseph F. (See Rosencranz, Emil C., assignor.)
Basel, Georg, and E. Schaeffer, Burghausen, Upper Bavaria, assignors to Dr. Alexander Wacker Gesellschaft fir Electrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Producing tetrachlorethylene. 2,178,622; Nov. 7.
Bastian-Blessing Co., The. (See Buttner, William C., assignor.)
Bates, Fred G., Highland Park, Mich. Hinge. 2,179,113; Nov. 7.
Battery Patents Corporation. (See Henry, Harry H., assignor.)
Battery Patents Corporation. (See Pease, Earl E., assignor.)
Battey, Colden R. (See Marschalk, Frederick F., assignor.)
Battle Creek Bread Wrapping Machine Company. (See Smith, John W., assignor.)
Bauer, Ernst. (See Wilmanns, G., Schneider, and Bauer.)
Baumker, William H., assignor to The American-National Company, Toledo, Ohio. Saddle post assembly. 2,178,678; Nov. 7.
Baxter, Harold G., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Panel board. 2,179,318; Nov. 7.
Beaver Pipe Tools, Inc. (See Pealer, Robert B., assignor.)
Beer Control Systems, Inc. (See Cohen, A., Morgan, and Goldstein, assignors.)
Behrman, Robert, Philadelphia, Pa. Detergent generator for washing machines. 2,178,735; Nov. 7.
Belden Manufacturing Co. (See Andre, Gustaf E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Black, K. C., and Blair, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dehmel, Richard C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hoyt, F. A., and Mills, assignors.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Keller, Arthur C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Slade, Benjamin, assignor.)
Bell Telephone Laboratories, Incorporated. (See Stibitz, George R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Swenson, Paul W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Taylor, C. C., and Wright, assignors.)
Bendix Aviation Corporation. (See Loen, Hans, assignor.)
Bendix Aviation Corporation. (See Whitney, Maurice P., assignor.)
Bench, George E., Jr., Detroit, Mich. Ashtray. 2,179,081; Nov. 7.
Benner, Raymond C., R. L. Melton, and J. A. Boyer, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Silicon carbide and manufacture thereof. 2,178,773; Nov. 7.
Benson, Melvin B., New York, N. Y., assignor to Lidgerwood Manufacturing Company, Elizabeth, N. J. Winch. 2,179,082; Nov. 7.
Bernarde, Henry L. (See Stickney, F. S., and Bernarde.)
Bernitt, Charles E. (See McKee, G. K., and Bernitt.)
Bierer, John M., Waban, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Method and apparatus for vulcanizing strip material. 2,179,443; Nov. 7.
Bierer, John M., Waban, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Shaping and vulcanizing belting and the like. 2,179,444; Nov. 7.
Binney, Eric A., and P. L. Mardis, Ilkley, assignors to The English Electric Company Limited, London, England. Electric traction motor control system. 2,179,319; Nov. 7.
Bird Machine Co. (See Lyons, Sanford C., assignor.)
Bishop, Frederic L., Jr., Jeannette, assignor to American Window Glass Company, Pittsburgh, Pa. Cleaning composition. 2,179,004; Nov. 7.
Bissell Carpet Sweeper Co. (See Pullen, Fred W., assignor.)
Björnstjerna, Curt R. A. M., Djursholm, Sweden, assignor to The De Laval Separator Company, New York. N. Y. Centrifugal separator. 2,178,547; Nov. 7.
Black, Knox C., Mountain Lakes, N. J., and R. R. Blair, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor. 2,178,548; Nov. 7.
Blair, Royer R. (See Black, K. C., and Blair.)
Blair, Russell M. (See Jarvis, K. W., and Blair.)
Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reversing switch for dynamo-electric machines. 2,179,320; Nov. 7.
Blazek, John Y., Maple Heights, assignor to Lempco Products, Inc., Cleveland, Ohio. Grinding tool. 2,179,465; Nov. 7.
Block, Harold C., assignor to L. A. Layne, Houston, Tex. Tubing hanger. 2,178,549; Nov. 7.
Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic valve circuit. 2,178,985; Nov. 7.
Bodenmann, Hans. (See Hallbauer, Otto, assignor.)
Bogoslowsky, Boris, New York, N. Y. Making a golf ball. 2,178,774; Nov. 7.
Boho, Anton F., Newark, N. J. Variable speed transmission mechanism. 2,179,171; Nov. 7.
Bonnaire, Claud, London, England. Folded sheet for maps, timetables, and the like. 2,179,172; Nov. 7.
Boomgarden, Frederick, German Valley, Ill. Scaffold hanger. 2,179,173; Nov. 7.
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Form grinding machine. 2,178,848; Nov. 7.
Borg-Warner Corporation. (See Bush, Theodore R., assignor.)
Borg-Warner Corporation. (See Westberg, Harry, assignor.)
Boston Woven Hose & Rubber Company. (See Bierer, John M., assignor.)
Botnen, Lewis K., Marshalltown, Iowa. Corn planter. 2,178,716; Nov. 7.
Bowie, Clifford P., Berkeley, Calif. Well slotter. 2,178,553; Nov. 7.
Bowie, Clifford P., Berkeley, Calif. Well slotter. 2,178,554; Nov. 7.
Bowie, Robert M., St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Closure member for electric discharge tubes and the like. 2,178,826; Nov. 7.
Bowie, Robert M., St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electric power control system. 2,178,827; Nov. 7.
Boye Needle Company, The. (See Davis, Edward D., assignor.)
Boyer, John A. (See Benner, R. C., Melton, and Boyer.)
Brachear, Otto, Cornland, Ill. Live-stock loader. 2,179,005; Nov. 7.
Brandt, John W., assignor to The Troxel Manufacturing Company. Elyria, Ohio. Cycle saddle clamp. 2,179,397; Nov. 7.
Brandt, Robert L., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Sulphonates of mineral oil extracts and method of making. 2,179,174; Nov. 7.
Brecht, Winston A., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Brush holder. 2,179,279; Nov. 7.

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Hydrocarbon burner. 2,179,142; Nov. 7.
Breitenstein, Victor W., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Metal detection device. 2,179,240; Nov. 7.
Breuer, Adam A., assignor to Breuer Electric Mfg. Co., Chicago, Ill. Cleaning tool for blind slats. 2,178,849; Nov. 7.
Breuer Electric Mfg. Co. (See Breuer, Adam A., assignor.)
Brickman, Alan E., Worcester, Mass., and L. S. Platou, Southington, Conn., assignors to The American Steel and Wire Company of New Jersey. Bending machine. 2,178,926; Nov. 7.
Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)
Bridgewater, Buford V. (See Taylor, Harry R., assignor.)
Briggs, Henry C., Brooklyn, N. Y. Safety mechanism for improving the dirigibility of ships, submarines, and aircraft. 2,178,555; Nov. 7.
Briggs, Joseph A., Erlton, N. J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Assembling and welding loudspeaker parts. 2,179,398; Nov. 7.
Brinkman, Albert J., Brooklyn, N. Y. Railway rail. 2,178,947; Nov. 7.
Broecker, Lewis C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Dust cap for tire valves. 2,178,828; Nov. 7.
Bromagem, Irl R., assignor to Union City Body Company, Union City, Ind. Chair back. 2,179,369; Nov. 7.
Bronzan, Blasito, Los Angeles, and G. D. Johnson, Compton, assignors to Baash-Ross Tool Company, Los Angeles, Calif. Kelly bushing. 2,179,006; Nov. 7.
Brostrom, Charles G., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating on shoes. 2,178,556; Nov. 7.
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic control mechanism for empty and load brakes. 2,179,399; Nov. 7.
Brown, John L., Verona, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Antifriction bearing oiler. 2,179,321; Nov. 7.
Brown, Perry, Sherwood, N. Dak. Automobile heater. 2,179,322; Nov. 7.
Brown, Thomas E., Hamilton, Ontario, Canada. Internal combustion engine. 2,179,143; Nov. 7.
Browne, Floyd A., Cleveland, assignor of one-half to J. D. Overholt, Wooster, Ohio. Door lock. 2,179,466; Nov. 7.
Browne, Vere B., Brackenridge, Pa., assignor to Allegheny Steel Company. Making seamless tubes from columbium containing austenitic chromium nickel alloy steel and product thereof. 2,179,114; Nov. 7.
Brownlee, William L., Toutle, Wash. Line clamp. 2,179,007; Nov. 7.
Brozek, Joseph, Jackson Heights, Long Island, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slider for separable fasteners. 2,178,948; Nov. 7.
Brozek, Joseph, Jackson Heights, Long Island, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Separable fastener slider. 2,178,949; Nov. 7.
Bruche, Ernst, Berlin-Reinickendorf, and W. Schaffernicht, assignors to Allgemeine Elektricitats Gesellschaft, Berlin, Germany. Electron image tube. 2,179,083; Nov. 7.
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Aromatic polyalkylene ether sulphonates. 2,178,830; Nov. 7.
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Aromatic polyalkylene ethers. 2,178,831; Nov. 7.
Bruson, Herman A., and C. W. MacMullen, assignors to Röhm & Haas Company, Philadelphia, Pa. Condensation products. 2,178,829; Nov. 7.
Bryan, Thomas E., Oklahoma City, Okla. Well flowing valve. 2,179,226; Nov. 7.
Bryant Heater Company, The. (See Robbins, Charles W., assignor.)
Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Multiplying machine. 2,178,950; Nov. 7.
Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Multiplying machine. 2,178,951; Nov. 7.
Buckeye Traction Ditcher Company, The. (See Miller, George E., assignor.)
Buff, Peggy, Camden, N. J., and J. E. Thebaud, Philadelphia, Pa.; said Thebaud assignor to said Buff. Double closure, jointly operated, for flexible articles. 2,178,885; Nov. 7.
Buffalo Electro-Chemical Company. (See Kauffmann, Hans O., assignor.)
Bugatti, Jean, Molsheim, France. Multicylinder engine. 2,179,030; Nov. 7.
Bullock, Giles E., Rochester, N. Y. Combined closure lock and handle for cans. 2,178,868; Nov. 7.
Bünger, Walter, Berlin-Zehlendorf, and H.-W. Langenwalter, Klein-Machnow, assignors to the firm Fernseh A. G., Zehlendorf, near Berlin, Germany. Eliminating interference caused by induction in electron tubes. 2,178,775; Nov. 7.
Burk, Robert E., and C. H. Whitacre, assignors to Standard Oil Company, Cleveland, Ohio. Manufacture of improved asphalts. 2,179,208; Nov. 7.
Burns, Herbert A., Forest Hills, N. Y., assignor to International Cigar Machinery Company. Tear strip band. 2,178,557; Nov. 7.
Burt, Clarence E. (See Baker, R. C., and Burt.)
Burtenshaw, George H., Taumarunui, Auckland, New Zealand, assignor to The Dentists' Supply Company, New York, N. Y. Denture demonstrating device. 2,178,717; Nov. 7.
Bush, Theodore R., Royal Oak, Mich., assignor to Borg-Warner Corporation. Ironing apparatus. 2,179,115; Nov. 7.
Bustetter, Matt, and S. D. Gericke, Yakima, Wash. Fruit picker. 2,179,031; Nov. 7.
Buttner, William C., Winnetka, assignor to The Bastian-Blessing Co., Chicago, Ill. Excess flow check valve. 2,179,144; Nov. 7.
Byrn, Eugene, assignor of fifty per cent to E. Lapinski, Johnston City, Ill. Hairpin remover. 2,178,776; Nov. 7.
Cady, George H. (See Muskat, I. E., and Cady.)
Cady, Pierre A., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Belt. 2,178,558; Nov. 7.
Caldwell, Charles H. (See Goddu, L. W., and Caldwell.)
Caldwell, Stuart H., assignor to Kelch Heater Company, Detroit, Mich. Warning device for motor vehicles. 2,178,986; Nov. 7.
California Fruit Growers Exchange. (See Wilson, Clarence W., assignor.)
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,178,927; Nov. 7.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Convertible brake control for road-rail vehicles. 2,178,928; Nov. 7.
Campbell, George J., Jr., assignor to International Chain & Manufacturing Company, York, Pa. Chain link. 2,178,952; Nov. 7.
Campbell, Richard L., Philadelphia, Pa., assignor to Radio Corporation of America. Television apparatus. 2,178,736; Nov. 7.
Campbell, Sumner E., Long Beach, Calif. Refining oil. 2,179,008; Nov. 7.
Cantrell, Troy L. (See Smith, H. G., and Cantrell.)
Carborundum Company, The. (See Benner, R. C., Melton, and Boyer, assignors.)
Carley, Leonard R., Watertown, and F. G. Purinton, assignors to The Patent Button Company, Waterbury, Conn. Flexible button. 2,179,032; Nov. 7.
Carothers, Wallace H., deceased (by Wilmington Trust Co., executor), and A. M. Collins, assignors to E. I. du Pont de Nemours and Company, Wilmington, Del. Hydrohalogenation of vinylacetylene. 2,178,737; Nov. 7.
Carpenter, Allan O., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor regulator. 2,178,660; Nov. 7.
Carrateck Corporation. (See Cook, Jerome E., assignor.)
Carrier Corporation. (See Hanson, Lars, assignor.)
Carrier Corporation. (See Osborn, Paul V., assignor.)
Carrier Corporation. (See Perkins, Laurence M., assignor.)
Carter Carburetor Corporation. (See Nieman, Ernst H., assignor.)
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Stabilizing means for landing field charts. 2,178,623; Nov. 7.
Cary, George H., Minneapolis, Minn. Adjustable spout for cans. 2,179,280; Nov. 7.
Cashion, Martin L., and R. Smith, Houston, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Method and apparatus for performing fishing operations. 2,179,033; Nov. 7.
Casner, John R., Piggott, Ark. Supported funnel. 2,179,400; Nov. 7.
Cass, Oliver W. (See Levine, A. A., and Cass.)
Caten, Walter E., Dayton, Ohio, assignor, by mesne assignments, to Humoco Corporation, Louisville, Ky. Container. 2,179,227; Nov. 7.
Celanese Corporation of America. (See Dickie, W. A., and Sowter, assignors.)
Celanese Corporation of America. (See Dreyfus, H., and Monerieff, assignors.)
Celanese Corporation of America. (See Ellis, G. H., and Topham, assignors.)
Central Culvert Company. (See Pepper, Lawrence W., assignor.)
Chapel, Chauncey C., Peabody, Kans. Shirt collar. 2,178,777; Nov. 7.
Chaplin Corporation. (See Chaplin, Merle P., assignor.)
Chaplin, Merle P., assignor to Chaplin Corporation, South Portland, Maine. Molded pulp article. 2,178,832; Nov. 7.
Chemical Works formerly Sandoz. (See Stoll, A., and Renz, assignors.)
Chenette, Joseph C., Flat Rock, Mich. Carrying iron. 2,178,738; Nov. 7.
Chicago Electric Manufacturing Company. (See Rodwick, Frank, assignor.)
Chilton, Allan. (See Chilton, Roland and A.)
Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Hydraulic plunger seal. 2,178,953; Nov. 7.

Chilton, Roland and A., Ridgewood, assignors, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Planetary reduction gear. 2,179,072; Nov. 7.

Chkliar, Jacques, Brussels, Belgium. Rotary internal combustion engine. 2,179,401; Nov. 7.

Christensen, Martin S., San Anselmo, Calif. Door holder. 2,178,718; Nov. 7.

Christie, Hugh K., assignor to Whiting Corporation, Harvey, Ill. Drop pit apparatus. 2,178,624; Nov. 7.

Chrysler Corporation. (See Neeson, Charles R., assignor.)

Cincinnati Grinders Incorporated. (See Booth, Clement, assignor.)

Cincinnati Grinders Incorporated. (See Dall, Albert H., assignor.)

Cincinnati Grinders Incorporated. (See Kearns, Bernard A., assignor.)

Clark, James D., Rose Valley, Pa. Method and apparatus for testing the folding endurance of paper and like materials. 2,179,116; Nov. 7.

Clark Manufacturing Company. (See Clark, Theodore W., assignor.)

Clark, Theodore W., Portland, Oreg., assignor to Clark Manufacturing Company, Cleveland, Ohio. Steam trap. 2,179,145; Nov. 7.

Claus, Charles A. (See von Hofe, G. W., and Claus.)

Clausen, Carl H., Stockholm, Sweden. Fuel feeding means for internal combustion engines. 2,178,902; Nov. 7.

Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Making soap. 2,178,987; Nov. 7.

Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Apparatus for making soap and the like. 2,178,988; Nov. 7.

Clayton, Edwin C., and L. L. Heffner, assignors to Wm. E. Hooper & Sons Company, Baltimore, Md. Fireproofing treatment and composition. 2,178,625; Nov. 7.

Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Wind wheel generator. 2,178,679; Nov. 7.

Cleveland Rock Drill Company, The. (See Richardson, Led L., assignor.)

Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Antioxidants. 2,178,536; Nov. 7.

Cline, Earl E., assignor to Mueller Co., Decatur, Ill. Breakable hydrant stem. 2,178,929; Nov. 7.

Cloer, Hobson J., Fort Worth, Tex., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Sequence selector for automatic phonographs. 2,178,886; Nov. 7.

Clyde Paper Company, et al. (See Inglis, John, assignor.)

Cohen, Abraham, Brooklyn, R. H. T. Morgan, West Nyack, and J. Goldstein, Flushing, assignors to Beer Control Systems, Inc., New York, N. Y. Fluid dispensing system. 2,178,559; Nov. 7.

Cohen, Louis, Jr., Pittsburgh, Pa. Mattress cover. 2,179,175; Nov. 7.

Cole, Morris M., Chicago, Ill. Combined musical instrument and music-score device. 2,178,903; Nov. 7.

Colgate-Palmolive-Peet Company. (See Brandt, Robert L., assignor.)

Collins, Arnold M. (See Carothers, W. H., and Collins.)

Columbus Coffin Company, The. (See Hulsart, Dexter D., assignor.)

Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz. (See Barthelemy, René, assignor.)

Condliffe, George E. (See Shoenberg, I., Condliffe, and Tedham.)

Conrad, Ivan W., Washington, D. C. System of telegraphy. 2,178,989; Nov. 7.

Container Corporation of America. (See Lowey, R. E., and Potter, assignors.)

Continental Oil Company. (See McNeese, C. H., and Loveless, assignors.)

Continental Oil Company. (See Sibley, Barrett E., assignor.)

Conto, Armando F., Chicago, Ill. Fluoroscope for the oral cavity and making the same. 2,179,249; Nov. 7.

Cook, Jerome E., Larchmont, N. Y., assignor to Carrateck Corporation. Method and apparatus for animated amusement devices. 2,179,084; Nov. 7.

Cooke, Ernest A. (See Taylor, W., and Cooke.)

Cooley, Austin G., Rutherford, N. J., assignor to Wide World Photos, Inc., New York, N. Y. Signal transmission method and apparatus. 2,179,445; Nov. 7.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating system. 2,178,560; Nov. 7.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,178,561; Nov. 7.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorber for refrigerating systems. 2,178,869; Nov. 7.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Continuous absorption refrigerating system. 2,178,870; Nov. 7.

Cooper & Cooper, Inc. (See Lougheed, Victor, assignor.)

Corn Products Refining Company. (See Middleton, Herbert T., assignor.)

Corn Products Refining Company. (See Sturken, Oswald, assignor.)

Cornell, Fritz G., Jr., Mountain Lakes, assignor to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J. Liquid attemperating device. 2,178,661; Nov. 7.

Cotter, Bart, assignor to General Motors Corporation, Detroit, Mich. Fastening device. 2,178,719; Nov. 7.

Couch, Forrest J., Rochester, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio. Light-sensitive control means. 2,179,009; Nov. 7.

Coultrip, Raymond L., Waukegan, assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill. Control device. 2,179,281; Nov. 7.

Cox, Charles C., Pulaski, Va. Combination level and inclinometer. 2,179,467; Nov. 7.

Cox, Truitt V., and W. M. Neale, assignors of one-third to A. H. Thaeler, Greensboro, N. C. Spring device for vehicles. 2,178,562; Nov. 7.

Crater, Willard D., Newark, assignor to Hercules Powder Company, Wilmington, Del. Composition of matter. 2,179,323; Nov. 7.

Crawford, Harry D., Chippewa Falls, Wis. Oil filter. 2,178,930; Nov. 7.

Crede, Charles E., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Floor rack for refrigerator cars. 2,178,739; Nov. 7.

Creighton, Thomas A., and T. E. McMahan, Long Beach, assignors of one-third to M. H. Wright, Los Angeles, Calif. Well bit. 2,179,010; Nov. 7.

Cressy, Charles O., East Providence, R. I. Remote indicating system. 2,178,563; Nov. 7.

Crites, Wilbur J., and D. R. Knowlton, Bartlesville, Okla., assignors to Phillips Petroleum Company. Combination fluid conduit and electrical conductor. 2,178,931; Nov. 7.

Crocker, Fred B., Fostoria, Ohio. Fuel supply tank. 2,178,564; Nov. 7.

Crompton & Knowles Jacquard & Supply Company. (See Foster, Herbert V., assignor.)

Crompton & Knowles Loom Works. (See Lindegren, Carl J., assignor.)

Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)

Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)

Curry, Hugh F., Englewood, N. J. Container and seam closure therefor. 2,178,778; Nov. 7.

Curtiss-Wright Corporation. (See Scott, Carl W., assignor.)

Cushion-Aire Corporation. (See Gerlofson, Carl H., assignor.)

Cutler-Hammer, Inc. (See Millermaster, Ralph A., assignor.)

Dahlström, Ernst R., Alsten, assignor to Aktiebolaget Formator, Stockholm, Sweden. Gripping device in machines for handling tobacco. 2,179,446; Nov. 7.

Daily, Robert A., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Expander for storage batteries and making the same. 2,178,680; Nov. 7.

Daimler, Karl, and C. Platz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Esters derived from isocyclic compounds. 2,179,209; Nov. 7.

Dall, Albert H., Silverton, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Spindle oscillator. 2,178,850; Nov. 7.

D'Amato, Emile R., assignor to A. S. Aloe Co., St. Louis, Mo. Bone saw. 2,179,250; Nov. 7.

Dames, Albert C., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Apparatus for heat treating. 2,179,073; Nov. 7.

Daniels, Charles E., Atchison, Kans. Lubricating device. 2,178,932; Nov. 7.

Daniels, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Induction heated pipe. 2,178,720; Nov. 7.

Daniels, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heating pipe fixture. 2,178,721; Nov. 7.

Danziger, Harold I. (See Knab, M., and Danziger.)

Davidson, Ernest R., Quincy, Mass. Multiple garment rack. 2,178,779; Nov. 7.

Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Photographic method and apparatus. 2,178,933; Nov. 7.

Dawson, John W., Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic spot welding control. 2,179,282; Nov. 7.

Day, Percy C., Brookfield, assignor to The Falk Corporation, Milwaukee, Wis. Marine propulsion system. 2,179,370; Nov. 7.

Day, Wilbur M., assignor to The Baldwin Company, Cincinnati, Ohio. Piano fall-board. 2,178,563; Nov. 7.

De Boer, Jan H. (See Alink, R. J. H., and de Boer.)

Deeg, Theodor, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system for generator driving engines. 2,179,283; Nov. 7.

De Falco, Mario, Rome, Italy. Power transmission mechanism. 2,179,405; Nov. 7.

Dehmel, Richard C., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for testing electrical resistance. 2,178,954; Nov. 7.

Delano, Howard A., Springettsbury Township, York County, Pa., assignor to American Chain & Cable Company, Inc. Electric resistance welding machine. 2,179,117; Nov. 7.

De Laval Separator Company, The. (See Björnstjerna, Curt R. A. M., assignor.)

Delf, George A., assignor, by mesne assignments, to Atlas Tool & Manufacturing Company, St. Louis, Mo. Heating system for corn popping machines. 2,179,468; Nov. 7.

Dell, Frank C., assignor to Autopoint Company, Chicago, Ill. Mechanical pencil. 2,178,626; Nov. 7.

Delta Foundation Company. (See Dunlap, Weyman B., Jr., assignor.)

De Mattia, Barthold, Clifton, N. J. Tape stripping, measuring, and severing device. 2,178,722; Nov. 7.

Dement, W. I. (See Egger, Albert B., assignor.)

Dennis, William C., and P. E. Haggerty, Milwaukee, Wis. Controlling device for printing press ductor rollers. 2,178,740; Nov. 7.

Dentists' Supply Company, The. (See Burtenshaw, George H., assignor.)

De Right, Elon J., Kansas City, and M. T. Tipsord, assignors to James R. Kearney Corporation, St. Louis, Mo. Wire tong support. 2,179,251; Nov. 7.

De Rose, John P., Oakland, Calif. Adjustable seat. 2,179,085; Nov. 7.

Desrosiers, Lionel, Lachute Mills, Quebec, Canada, assignor to Whitin Machine Works, Whitinsville, Mass. Builder mechanism for spinning frames. 2,179,324; Nov. 7.

Detroit Harvester Company. (See Nicholson, Stanley W., assignor.)

Detroit Lubricator Company. (See Landon, Walter S., assignor.)

Deutsche Hydrierwerke Aktiengesellschaft. (See Eggert, J., and Gellendien, assignors.)

Devaux, Paul, Maromme, France. Drafting mechanism. 2,178,627; Nov. 7.

De Witt, Harold, Pasadena, and F. Wilburn, Prescott, Ariz. Electrical adapter. 2,179,118; Nov. 7.

Diamond, Hymen, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High speed welding. 2,179,284; Nov. 7.

Dickie, William A., and P. F. C. Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial filaments, threads, yarns, and the like. 2,178,741; Nov. 7.

Dike, Theodore W., and H. Galber, assignors to I. F. Laucks, Inc., Seattle, Wash. Gluing porous materials. 2,178,566; Nov. 7.

Dixon, Leo J., Youngstown, assignor, by mesne assignments, to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Coin lock device. 2,179,325; Nov. 7.

Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,178,681; Nov. 7.

Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,178,682; Nov. 7.

Dodge, Adiel Y., South Bend, Ind., and H. R. Tear, Evanston, assignors to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,178,851; Nov. 7.

Doering, Charles, assignor of one-half to H. Doering, Chicago, Ill. Dairy product chilling device. 2,178,780; Nov. 7.

Doering, Charles, assignor of one-half to H. Doering, Chicago, Ill. Chilling machine. 2,178,781; Nov. 7.

Doering, Henry. (See Doering, Charles, assignor.)

Dole Valve Company, The. (See Lauer, Raymond J., assignor.)

Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. High voltage supply circuit for television systems. 2,179,447; Nov. 7.

Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. High voltage supply circuit for television systems. 2,179,448; Nov. 7.

Dondanville, Carroll A., Chicago, Ill. Corn popper. 2,179,146; Nov. 7.

Doran, Bernard, Malta, Mont. Electric tooth brush. 2,179,402; Nov. 7.

Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical control means. 2,179,252; Nov. 7.

Dow Chemical Company, The. (See Gann, John A., assignor.)

Dow Chemical Company, The. (See Slagh, Harold R., assignor.)

Draemann, Max, Cologne-Braunsfeld, Germany. Production of rubber filaments. 2,178,955; Nov. 7.

Drapeau, Joseph E., Jr., Hammond, Ind., assignor to The Glidden Company, Cleveland, Ohio. Plumbite solution. 2,178,742; Nov. 7.

Dreyfus, Henry, London, and R. W. Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial materials. 2,178,743; Nov. 7.

Drill, Daniel C., assignor to American Rock Wool Corporation, Wabash, Ind. Producing fibrous material. 2,178,871; Nov. 7.

Drnding, Bertha. (See Rothenbush, Ray E., assignor.)

Drysdale & Company et al. (See Inglis, John, assignor.)

Duda, Wentzel R., Pittsburgh, Pa., assignor to Mackintosh-Hemphill Company. Thrust bearing for rolling mills. 2,178,628; Nov. 7.

Dumbleton, Claude, Peterborough, England, assignor to Baker Perkins Company Inc., Saginaw, Mich. Biscuit or like oven. 2,179,253; Nov. 7.

Duncan, Thomas P., Jr., Newport News, Va. Adjustable golf club head. 2,179,034; Nov. 7.

Dunlap, Charles W., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill. Wall support. 2,178,782; Nov. 7.

Dunlap, Weyman B., Jr., Corpus Christie, Tex., assignor to Delta Foundation Company, Inc. Underreamer. 2,178,852; Nov. 7.

Dunn, Jerry J., Ellwood City, Pa., assignor to National Tube Company. Apparatus for welding pipes and tubes. 2,179,176; Nov. 7.

Du Pont, E. I., de Nemours and Company. (See Carothers, W. H., and Collins, assignors.)

Du Pont, E. I., de Nemours & Company. (See Daniels, Charles E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Jacobson, Ralph A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Jordan, H., and Rossander, assignors.)

Du Pont, E. I., de Nemours & Company. (See Keller, Manfred, assignor.)

Du Pont, E. I., de Nemours & Company. (See Klein, David X., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Levine, A. A., and Cass, assignors.)

Du Pont, E. I., de Nemours & Company. (See Salzberg, Paul L., assignor.)

Dvorak, James J., Chicago, Ill. Self-squaring curtain stretcher. 2,179,254; Nov. 7.

Dyer, Colver P., Winchester, Mass., assignor, by mesne assignments, to Monsanto Chemical Company. Dyeing textile materials. 2,179,371; Nov. 7.

Dyer, John P. J., San Diego, Calif. Shiftable scaffold apparatus. 2,178,956; Nov. 7.

E. Z. I. Needle Co. (See Rainville, Omer J., assignor.)

Earll, Charles I., Company. (See Earll, Charles I., assignor.)

Earll, Charles I., deceased, by M. M. Lambert, administratrix, assignor to Charles I. Earll Company, Inc., York, Pa. Bracket for trolley retrievers. 2,179,074; Nov. 7.

Earp-Thomas, George H., Glen Ridge, N. J. Bacteriological digester for conversion of organic waste. 2,178,818; Nov. 7.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Temperature control device. 2,179,285; Nov. 7.

Eaton Manufacturing Company. (See Frischman, T. A., and Shontz, assignors.)

Eaton Manufacturing Company. (See Hoern, Joseph H., assignor.)

Eaton Manufacturing Company. (See Voorhies, Carl, assignor.)

Eckman, Meril L., assignor to The American Coach & Body Company, Cleveland, Ohio. Welding apparatus. 2,179,326; Nov. 7.

Edison General Electric Appliance Company. (See Coultrip, Raymond L., assignor.)

Edmonston, Allie, Wellston, assignor to Air Pressure Indicators, Inc., St. Louis, Mo. Pressure indicator. 2,179,255; Nov. 7.

Egger, Albert B., assignor of one-fourth to W. I. Dement, Jackson, Miss. Paper feeding and reloading mechanism. 2,178,783; Nov. 7.

Eggert, Johann, Berlin, and W. Gellendien, assignors to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Manufacture of cellulose products. 2,179,449; Nov. 7.

Eggert, John, Leipzig-Gohlis, and A. Froehlich and B. Wendt, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Color photography and material therefor. 2,179,228; Nov. 7.

Eichholz, August G., assignor of forty-nine one-hundredths to A. J. Epelley and twentyfour-and-one-half one-hundredths to J. Gebhart, St. Louis, Mo. Hosiery mending device. 2,179,372; Nov. 7.

Electric & Musicial Industries Limited. (See Blumlein, Alan D., assignor.)

Electric & Musical Industries Limited. (See Holman, Herbert E., assignor.)

Electric & Musical Industries Limited. (See Shoenberg, I., Condliffe, and Tedham, assignors.)

Elgie, William A., et al. (See Scheutz, Joseph A., assignor.)

Elias, Albert I. (See Howarth, John F., assignor.)

Elliott Company. (See Mattern, J. F., and Baker, assignors.)

Ellis, George H., and C. F. Topham, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of textile materials. 2,178,744; Nov. 7.

Elwell, Edwin L., Baltimore, Md., assignor to Eskimo Pie Corporation, Bloomfield, N. J. Stick-holding rack. 2,179,210; Nov. 7.

Emery, Alfred H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Shockproof dial indicator. 2,178,745; Nov. 7.

Endres, Herbert A., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Molding. 2,178,537; Nov. 7.

English Electric Company Limited, The. (See Binney, E. A., and Mardis, assignors.)
English, John A., Trenton, N. J. Eyeshield or the like. 2,179,286; Nov. 7.
English, Philip H., assignor to The New Haven Clock Company, New Haven, Conn. Case construction for timepieces. 2,178,957; Nov. 7.
Engstrom, Carl J., Michigan City, Ind. Golf club attachment and marker. 2,178,872; Nov. 7.
Enriquez, Angel D., and P. Sussman, Brooklyn, N. Y. Pneumatic tire-tube testing case. 2,178,853; Nov. 7.
Epelley, Albert J., et al. (See Eichholz, August G., assignor.)
Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Seam pressing and reinforcing machine. 2,178,746; Nov. 7.
Erasmus, Hendrik D., Lewiston, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc. Apparatus for producing hydrogen-nitrogen mixtures. 2,178,833; Nov. 7.
Erbguth, Paul F. K., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Instrument spring link movement. 2;178,538; Nov. 7.
Eskimo Pie Corporation. (See Elwell, Edwin L., assignor.)
Eskind, Abraham, Brooklyn, N. Y. Frame for shiffli embroidery machine. 2,179,287; Nov. 7.
Esotoo Fumigation Co. Ltd. (See Thomas, James A., assignor.)
Espe, Werner, Berlin-Siemensstadt, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung", Berlin, Germany. Shielded metal discharge tube. 2,178,747; Nov. 7.
Essanbee Holding Company. (See Owens, Horace K., assignor.)
Evans, Charles E., assignor of one-half to L. G. Howard, Council Bluffs, Iowa. Treating foodstuffs. 2,179,327; Nov. 7.
Evans, George W., Ashley, Pa. Flier block. 2,179,403; Nov. 7.
Evans, Ralph L., New York, and E. G. McDonough, Yonkers, N. Y. Hair waving pad. 2,178,567; Nov. 7.
Evans, Silas M., San Luis Obispo, Calif. Load binder. 2,179,177; Nov. 7.
Everston, Joseph H., Milwaukee, Wis., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Shoe. 2,178,629; Nov. 7.
Ewart, William E., Seattle, Wash. Variable-speed transmission. 2,178,784; Nov. 7.
Exley, Leo F., Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole pressing machine. 2,178,568; Nov. 7.
Exley, Leo F., Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole-pressing machine. 2,178,990; Nov. 7.
Fabbrica Italiana Magneti Marelli Società Anonima. (See Kamenarotić, Leone, assignor.)
Fabionar, Peter V., Norwalk, Calif. Rocket projectile. 2,179,404; Nov. 7.
Fabreeka Products Company. (See Germonprez, John A., assignor.)
Fabry, Herman, Evanston, Ill. Binder. 2,178,887; Nov. 7.
Fadel, Addie E., San Francisco, Calif. Heater. 2,178,785; Nov. 7.
Faerber, Peter K. (See Phillips, N. E., and Faerber.)
Failla, Tony, Detroit, Mich. Adjustable ladder. 2,179,119; Nov. 7.
Falk Corporation, The. (See Day, Percy C., assignor.)
Farlin, Helmar, Clatskanie, Oreg. Shoe attachment. 2,179,178; Nov. 7.
Farnsworth, Philo T., Springfield Township, Montgomery County, and B. C. Gardner, Philadelphia, Pa., assignors, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Producing an incandescent image. 2,179,086; Nov. 7.
Farnsworth Television & Radio Corporation. (See Farnsworth, P. T., and Gardner, assignors.)
Farrell, Anna E., Seattle, Wash. Device for holding and curling hair. 2,178,748; Nov. 7.
Fasce, Egi V., and E. C. Rolfs, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Purification of alkyl sulphates. 2,178,786; Nov. 7.
Feinbloom, William, New York, N. Y. Method of and means for making contact lenses. 2,178,873; Nov. 7.
Feldstein, Stanley N., Chicago, Ill. Door check deodorizing spray. 2,178,888; Nov. 7.
Fellows Gear Shaper Company, The. (See Hamilton, Douglas T., assignor.)
Ferguson, Llewellyn R., Le Roy, assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Food product. 2,178,569; Nov. 7.
Fernsch A. G. (See Bünger, W., and Langenwalter, assignors.)
Fernsch Aktiengesellschaft. (See Bühring, Herbert, assignor.)
Ferry, Joseph D., deceased, Harrisburg, Pa.; S. O. Ferry, executrix. Material treating and handling apparatus. 2,179,035; Nov. 7.
Ferry, Sylvia O., executrix. (See Ferry, Joseph D.)
Fichman, Morris W., Bronx, N. Y. Table construction. 2,178,570; Nov. 7.
"Fides Gesellschaft für die Verwaltung und verwertung von gewerblichen Schutzrechten mit beschränkter Haftung." (See Espe, Werner, assignor.)
Finlayson, Alexander S., assignor to Hercules Powder Company, Wilmington, Del. Purification of cellulose ethers. 2,178,630; Nov. 7.
Firehammer, Welton E., Oshkosh, Wis. Control device for heating systems. 2,179,120; Nov. 7.
Firth Carpet Company. (See Matthews, Russell R., assignor.)
Fischel, Eduard, and J. Thiry, Berlin-Charlottenburg, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Servomotor for the remote control of aircraft. 2,179,179; Nov. 7.
Fischer, Arnold F., Astoria, assignor to Hobbs Sales & Service Station, Inc., New York, N. Y. Combined staple forming and driving machine. 2,179,036; Nov. 7.
Fisher, Albert M. (See Scott, D. A., and Fisher.)
Fitzpatrick, Ray, East Palestine, Ohio. Rack. 2,179,406; Nov. 7.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Alkyl hydroxy aromatic compounds. 2,178,571; Nov. 7.
Flores, Antonio C., San Antonio, Tex. Building block. 2,179,407; Nov. 7.
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Form grinding apparatus. 2,179,211; Nov. 7.
Folmer Graflex Corporation, The. (See Hineline, Edson S., assignor.)
Food Machinery Corporation. (See Stebler, Fred, assignor.)
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Foote, Edward B. (See Stricklen, J. R., and Foote.)
Forstner Chain Corporation. (See Forstner, William, assignor.)
Forstner, William, East Orange, N. J., assignor to Forstner Chain Corporation. Detachable connection. 2,178,572; Nov. 7.
Forsyth, Peter M., Raethi, New Zealand. Detonator. 2,178,723; Nov. 7.
Foster, Herbert V., Providence, assignor to Crompton & Knowles Jacquard & Supply Company, Pawtucket, R. I. Single cylinder stationary griff jacquard. 2,179,328; Nov. 7.
Foster, Lillian H. (See Scott, W. I., and Foster.)
Foxboro Company, The. (See Mason, Clesson E., assignor.)
Frank, Louis and F., New York, N. Y. Waste fitting for outlet valves. 2,179,121; Nov. 7.
Franklin, Albert W., New York, N. Y. Push-button control. 2,178,958; Nov. 7.
Frazier, Bruce, Big Spring, Tex. Basket. 2,179,180; Nov. 7.
Frech, Theodore W., Cleveland Heights, Ohio, assignor to General Electric Company. Coating luminescent tubes. 2,179,288; Nov. 7.
Freilich, Jacob, New York, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Leavened baked product. 2,178,959; Nov. 7.
Frey, Charles N. (See Freilich, J., and Frey.)
Frischman, Thomas A., Cleveland Heights, and C. G. Shontz, assignors to Eaton Manufacturing Company, Cleveland, Ohio. Carburizing pot. 2,178,683; Nov. 7.
Froehlich, Alfred. (See Eggert, J., Froehlich, and Wendt.)
Fröhlich, Alfred. (See Schneider, W., and Fröhlich.)
Frost, George W., assignor to Gothard Manufacturing Company, Springfield, Ill. Sign character. 2,178,684; Nov. 7.
Frost, Orcutt W., assignor to Wood Conversion Company, Cloquet, Minn. Apparatus for surfacing felted sheets. 2,178,631; Nov. 7.
Fruit & Produce Packing, Inc. (See Mohler, Ernest E., assignor.)
Fuller, Frederick L., West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,178,749; Nov. 7.
Gabrieau, Joseph D., Tacoma, Wash. Combination peeler, beater, and slicing machine. 2,178,889; Nov. 7.
Gage, Frederick, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Decolorizing titanium tetrachloride. 2,178,685; Nov. 7.
Gagg, Rudolph F., Fair Lawn, N. J., assignor to Wright Aeronautical Corporation. Cowling. 2,178,960; Nov. 7.
Galassi, Theodore V., Providence, R. I. Terrazzo construction. 2,179,289; Nov. 7.
Galber, Harry. (See Dike, T. W., and Galber.)
Gallagher, John J. (See Rogers, Ulysses G., assignor.)
Gamble, Roy, Tacoma, Wash. Smoking fish. 2,179,122; Nov. 7.
Ganci, Charles J., Ridgewood, N. Y., assignor to Ward Leonard Electric Company. Resistor unit. 2,179,212; Nov. 7.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium alloy. 2,178,573; Nov. 7.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,178,574; Nov. 7.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,178,575; Nov. 7.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,178,576; Nov. 7.

Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,178,577; Nov. 7.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium alloy. 2,178,578; Nov. 7.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium alloy. 2,178,579; Nov. 7.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium alloy. 2,178,580; Nov. 7.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium alloy. 2,178,581; Nov. 7.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium alloy. 2,178,582; Nov. 7.
Gardner, Bernard C. (See Farnsworth, P. T., and Gardner.)
Garland, Claude M., Chicago, Ill. Centrifugal drier. 2,178,750; Nov. 7.
Garman, Floyd A., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Rest-bar adjustment for rolling mills. 2,178,904; Nov. 7.
Gasoline Products Company. (See Gray, J. W., and Walton, assignors.)
Gates, Henry S., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,179,329; Nov. 7.
Gaylor, Peter J. (See Wiezevich, Peter J.)
Gear, Raymond W., Plymouth, Ind. Luminous and radioactive compound. 2,178,961; Nov. 7.
Gebhart, Joseph, et al. (See Eichholz, August G., assignor.)
Gelgy, J. R., A. G. (See Krebser, Adolf, assignor.)
Gelb, David, et al. (See Lewis, Howard B., assignor.)
Gelb, Sadie, et al. (See Lewis, Howard B., assignor.)
Gellendien, Walter. (See Eggert, J., and Gellendien.)
Genel, Stanley J., Wyandotte, Mich. Bottle closure. 2,179,147; Nov. 7.
General Aniline Works, Inc. (See Huber, Eugen, assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Frech, Theodore W., assignor.)
General Electric Company. (See Gustaveson, David W., assignor.)
General Electric Company. (See Iden, Fred B., assignor.)
General Electric Company. (See Manke, Arthur G., assignor.)
General Electric Company. (See Müller, Gustav W., assignor.)
General Electric Company. (See Sywert, Philip T., assignor.)
General Electric Company. (See Watts, Donald E., assignor.)
General Electric Company. (See Willis, Clodius H., assignor.)
General Electric Company. (See Zabel, William P., assignor.)
General Foods Corporation. (See Ferguson, Llewellyn R., assignor.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Cotter, Bart, assignor.)
General Motors Corporation. (See Daily, Robert A., assignor.)
General Motors Corporation. (See Georgiev, A. M., and Koehly, assignors.)
General Motors Corporation. (See Hartzell, H. L., and Hittle, assignors.)
General Motors Corporation. (See Webb, Hartwell W. assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
George Valve Company, The. (See Sifkovitz, George, assignor.)
Georgiev, Alexander M., and P. F. Koehly, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Condenser vent. 2,178,686; Nov. 7.
Gerard, Roy H., Oakland, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Timing device for control circuits. 2,178,890; Nov. 7.
Gericke, Samuel D. (See Bustetter, M., and Gericke.)
Gerlofson, Carl H., assignor to Cushion-Aire Corporation, Chicago, Ill. Upholstery. 2,179,148; Nov. 7.
Germonprez, John A., Grosse Pointe Park, Mich., assignor to Fabreeka Products Company, Inc., Boston, Mass. Vibration absorption device. 2,179,469; Nov. 7.
Gibbons, Willis A., Montclair, N. J., assignor to United States Rubber Company, New York, N. Y. Asbestos yarn. 2,179,087; Nov. 7.
Gill, Walter L., Redlands, Calif. Heating, drying, and sterilizing cabinet. 2,179,256; Nov. 7.
Gilman Fanfold Corporation. (See Mabon, Carl R., assignor.)
Glaser, Charles F. (See Schroeder, J. A., and Glaser.)
Glasgow, Chester W., assignor of one-half to M. E. Glasgow, and one-half to A. F. Jackson, Detroit, Mich. Swinging sign. 2,178,751; Nov. 7.
Glasgow, Margaret E., et al. (See Glasgow, Chester W., assignor.)
Gleason, Anthony H., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparation of anhydrides by the use of ketene. 2,178,752; Nov. 7.
Glidden Company, The. (See Drapeau, Joseph E., Jr., assignor.)
Glidden Company, The. (See O'Brien, William J., assignor.)
Globe-Wernicke Company, The. (See Link, Forest L. W., assignor.)
Goddu, Lloyd W., and C. H. Caldwell, assignors to American Optical Company, Southbridge, Mass. Lens abrading machine. 2,179,088; Nov. 7.
Goldschmidt, Martha, Berlin, Germany. Sealing and handle attaching device for packages. 2,179,037; Nov. 7.
Goldstein, Jack. (See Cohen, A., Morgan, and Goldstein.)
Goloviznin, Vladimir S., New York, N. Y. Induction coil. 2,179,257; Nov. 7.
Goodyear, Ellsworth S., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Preparation of progressive-burning smokeless powder and product thereof. 2,179,330; Nov. 7.
Gore, Mary C., New York, N. Y. File guide for nails. 2,179,290; Nov. 7.
Gorrie, Harvard H., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,179,450; Nov. 7.
Gorton, Thomas S., Jr., Evanston, Ill. Preparing fish and product thereof. 2,178,787; Nov. 7.
Gothard Manufacturing Company. (See Frost, George W., assignor.)
Gottschalk, Albert O., Bridgewater, Mass. Plotting protractor. 2,178,962; Nov. 7.
Governors of the University of Toronto, The. (See Scott, D. A., and Fisher, assignors.)
Grade Crossing Guard Corp. (See Miller, William G., assignor.)
Graenacher, Charles, Basel, and R. Sallmann, Arlesheim, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Cellulose solutions and making same. 2,179,181; Nov. 7.
Grandy, Jessie P., et al. (See Read, David Y., assignor.)
Gray, James W., Basking Ridge, N. J., and J. S. Walton, Elkton, Md., assignors to Gasoline Products Company, Inc., Newark, N. J. Treating hydrocarbon oils. 2,178,834; Nov. 7.
Green, Clarence J., assignor to Norton Company, Worcester, Mass. Piston grinding apparatus. 2,179,213; Nov. 7.
Greenview Manufacturing Company. (See Siemund, Herman, assignor.)
Gregoric, Brand F., assignor to Pneumatic Truck Body Corporation, Detroit, Mich. Pneumatic unloader. 2,179,408; Nov. 7.
Greif, Alfred S., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Regulator and lock for swinging panels. 2,178,753; Nov. 7.
Grembecki, Elmer C., assignor to Roberts & Porter, Inc., Chicago, Ill. Dampener for printing presses. 2,178,583; Nov. 7.
Grosse, Aristid V. (See Morrell, J. C., and Grosse.)
Grosse, Aristid V., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of diolefins. 2,178,584; Nov. 7.
Groves, Martin V., New York, assignor of one-half to Airdraulic Brake Corporation, Bellerose, N. Y. Compound hydraulic brake pump. 2,179,241; Nov. 7.
Gruenberger, Otto, Milwaukee, Wis. Power transmitting means. 2,179,149; Nov. 7.
Gulf Oil Corporation. (See Cashion, M. L., and Smith, assignors.)
Gulf Oil Corporation. (See Smith, Herschel G., assignor.)
Gulf Oil Corporation. (See Smith, H. G., and Cantrell, assignors.)
Gustafson, George H., Los Angeles, Calif. Can opener. 2,178,991; Nov. 7.
Gustafson, John M., Laurens, Iowa. Mechanism for operating an electrical signaling system. 2,178,854; Nov. 7.
Gustaveson, David W., Bridgeport, Conn., assignor to General Electric Company. Rack for cooking utensils. 2,179,291; Nov. 7.
Guthke, Friedrich W., Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Tanning agents and producing them. 2,179,038; Nov. 7.
Habstritt, Stanley J., Bell, Calif. Traveling brush attachment for grain cleaners. 2,178,963; Nov. 7.
Hagedorn, Max. (See Schneider, W., and Hagedorn.)
Hageman, Louis F., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y. Pin feed attachment for autographic registers. 2,179,150; Nov. 7.
Haggerty, Patrick E. (See Dennis, W. C., and Haggery.)
Hahn, Clarence L., Baltimore, Md. Roller spring alignment clamp. 2,178,905; Nov. 7.
Haines, William R., Long Beach, Calif. Arm rest. 2,178,788; Nov. 7.
Hall, E. B., et al. (See Pieper, Howard K., assignor.)
Hallbauer, Otto, Grantwood, assignor of one-half to H. Bodenmann, North Bergen, N. J. Illuminating device for pocketbooks or like receptacles. 2,179,214; Nov. 7.
Hallerberg, Theodore W., Chicago, Ill., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich. Apparatus for cleaning air. 2,179,229; Nov. 7.

Hall-Gregg, Inc. (See Shields, Edward J., assignor.)
Haloid Company, The. (See Sabel, Edward R., assignor.)
Ham, Garnet P., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Photographic fixer. 2,179,242; Nov. 7.
Hamilton, Curtis L., Baxley, Ga. Drop pipe for gins. 2,178,934; Nov. 7.
Hamilton, Douglas T., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear generating tool. 2,179,230; Nov. 7.
Hammons, Claude L. (See McWilliams, Eugene W., assignor.)
Hancock, Myron S., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding system. 2,179,331; Nov. 7.
Hanna, Clinton R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid pressure control apparatus. 2,179,292; Nov. 7.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation circuits. 2,179,182; Nov. 7.
Hansen, Siegfried. (See Barger, G. K., and Hansen.)
Hanson, Lars, Cranford, assignor to Carrier Corporation, Newark, N. J. Fluid compressor. 2,178,662; Nov. 7.
Harcus, Robert. (See Scott, Robert N., assignor.)
Harper, Edward A. (See Hill, George and A. G., Baker, Mitchum, and Harper.)
Harris-Seybold-Potter Company. (See Valiquette, William L., assignor.)
Harris-Seybold-Potter Company. (See Wood, J. R., and Harrold, assignors.)
Harris-Seybold-Potter Company. (See Wood, William H., assignor.)
Harrison, George O. (See Parsons, J. S., and Harrison.)
Harrison, Laurence E., Altadena, assignor, by mesne assignments, to Surgident, Ltd., Los Angeles, Calif. Package of reversible thermoplastic impression composition. 2,178,663; Nov. 7.
Harrold, Charles W. (See Wood, J. R., and Harrold.)
Hartzell, Herman L., and D. L. Hittle, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition coil. 2,178,687; Nov. 7.
Hassler, John E., Portland, Oreg., assignor to Simonds Worden White Co. Grinding stone. 2,178,855; Nov. 7.
Hauf, George F., River Forest, Ill. Joint. 2,179,089; Nov. 7.
Haumerson, Frederick C., Racine, Wis. Educational game device. 2,178,906; Nov. 7.
Heath, Walter S., Bakersfield, Calif. Animal trap. 2,178,789; Nov. 7.
Heavens, E. M. (See Stocker, Closman P., assignor.)
Heffner, Lawrence L. (See Clayton, E. C., and Heffner.)
Heider, Henry J., Carroll, Iowa. Ladder construction. 2,178,856; Nov. 7.
Heimbach, Charles H., Elyria, and N. B. Thompson, Lorain, Ohio, assignors to National Tube Company. Recovering sal ammoniac from gas liquor. 2,179,183; Nov. 7.
Hein, Carl C., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooled contact rectifier. 2,179,293; Nov. 7.
Helt, Harold B., New York, N. Y. Diamond studded watch ornamentation. 2,179,294; Nov. 7.
Helland, Sigurd H., assignor to Whitin Machine Works, Whitinsville, Mass. Builder mechanism for spinning frames. 2,179,332; Nov. 7.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,178,688; Nov. 7.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,178,689; Nov. 7.
Hemphill Company. (See Lawson, Robert H., assignor.)
Hennessy, James J., Montclair, N. J. Railway journal lubricator. 2,178,891; Nov. 7.
Hennessy, James J., New York, N. Y. Journal lubricator. 2,178,754; Nov. 7.
Henry, Abner E., Greensburg, Pa. Cutting implement. 2,178,790; Nov. 7.
Henry, Harry H., assignor to Battery Patents Corporation, Chicago, Ill. Tubing. 2,178,935; Nov. 7.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloy. 2,178,992; Nov. 7.
Hercules Powder Company. (See Allison, Elton R., assignor.)
Hercules Powder Company. (See Crater, Willard D., assignor.)
Hercules Powder Company. (See Finlayson, Alexander S., assignor.)
Hercules Powder Company. (See Goodyear, Ellsworth S., assignor.)
Hercules Powder Company. (See Little, Julius G., assignor.)
Herman, Dock F., and J. Nordenhaug, Vinton, Va. Freezing machine. 2,179,039; Nov. 7.
Hervey, Laurence R. B., Lexington, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Preparing tanning material and by-products derived therefrom. 2,178,874; Nov. 7.
Hettrick Manufacturing Company, The. (See Yerrick, Harry A., assignor.)
Heuer, Werner, Hofheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization in the gaseous state. 2,179,040; Nov. 7.
Hewitt, Daniel. (See Simon, Joseph, assignor.)
Hill, Arthur G. (See Hill, George and A. G., Baker, Mitchum, and Harper.)
Hill, George and A. G., Wellford, P. H. Baker, Greenville, S. C., and L. C. Mitchum and E. A. Harper, Atlanta, Ga., assignors to The Texas Company, New York, N. Y. Apparatus for conditioning fibrous material. 2,178,539; Nov. 7.
Hill, Henry C., Montclair, N. J., assignor to Wright Aeronautical Corporation. Piston ring arrangement. 2,178,993; Nov. 7.
Hilty, Donald C., Apollo, Pa. Pickling of steel. 2,178,791; Nov. 7.
Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Range and view finder. 2,178,857; Nov. 7.
Hinman, Walker M., Winnetka, and W. G. Hollmann, Chicago, Ill. Manufacture of para diazonium tertiary amines. 2,178,585; Nov. 7.
Hitt, Raymond C., Seattle, Wash. Machine for making firecrackers. 2,179,373; Nov. 7.
Hittle, Dalphin L. (See Hartzell, H. L., and Little.)
Hobbs Sales & Service Station, Inc. (See Fischer, Arnold F., assignor.)
Hockley, Owen A., Lebanon, Pa. Electric lamp guard. 2,178,907; Nov. 7.
Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Self-cleaning nozzle. 2,179,184; Nov. 7.
Hoern, Joseph H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve tappet. 2,178,724; Nov. 7.
Hoffman, Rudolph, Rocky River, Ohio, assignor to American Stove Company, St. Louis, Mo. Circulating oil heater. 2,179,041; Nov. 7.
Hogg, Emerson E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Sealing machine. 2,178,664; Nov. 7.
Holbrook, Joseph H., et al. (See Scheutz, Joseph A., assignor.)
Holland, St. Clair C., Montreal, Quebec, Canada. Charcoal burner. 2,179,295; Nov. 7.
Hollman, Walter G. (See Hinman, W. M., and Hollman.)
Holman, Herbert E., Hayes, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Mosaic screen structure for television and like purposes. 2,179,090; Nov. 7.
Holmboe, Lawrence S., Oklahoma City, Okla. Shore jack. 2,178,792; Nov. 7.
Holmes, Louis D., assignor to Whiting Corporation, Harvey, Ill. Drop pit apparatus. 2,178,632; Nov. 7.
Holt, Alberg C. (See Thorsson, M. T., and Holt.)
Hooper, James E., Ruxton, Md., assignor to Wm. E. Hooper & Sons Company. Laundry ironing and drying roll pad. 2,178,633; Nov. 7.
Hooper, Wm. E., & Sons Company. (See Clayton, E. C., and Heffner, assignors.)
Hooper, Wm. E., & Sons Company. (See Hooper, James E., assignor.)
Hoover Company, The. (See Coons, Curtis C., assignor.)
Hoover Company, The. (See Nelson, Rudolph S., assignor.)
Hoover Company, The. (See Siedle, Arnold D., assignor.)
Horgan, George D., London, England, assignor to American Machine & Foundry Company, New York, N. Y. Machine for packeting cigarettes and the like. 2,179,123; Nov. 7.
Horsley, Caperton B., Willoughby, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Voltage control means for X-ray apparatus. 2,179,333; Nov. 7.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 2,179,451; Nov. 7.
House, William C. (See Raymond, G. G., and House.)
Housekeeper, Earl J. (See Schellin, J. C., Housekeeper, and Hunt.)
Howard, L. G. (See Evans, Charles E., assignor.)
Howarth, John F., Long Beach, assignor of one-half to A. I. Elias, New York County, N. Y. Composition for soldering metal. 2,179,258; Nov. 7.
Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Illuminated advertising device. 2,178,634; Nov. 7.
Hoyt, Frederick A., East Orange, and P. E. Mills, Towaco, N. J., assignors to Bell Laboratories, Incorporated, New York, N. Y. Coin collector. 2,179,091; Nov. 7.
Huber, Eugen, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the naphthophenosafranine series. 2,178,793; Nov. 7.
Hudson, Charles J., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,178,835; Nov. 7.
Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Hot strip coiling machine. 2,179,011; Nov. 7.

Hudson, Richard J. H., Dousland, South Devon, England. Hinge mounting for doors, panels, hatchways, or the like. 2,178,908; Nov. 7.
Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Link body and making same. 2,178,858; Nov. 7.
Huisart, Dexter D., assignor to The Columbus Coffin Company, Columbus, Ohio. Casket illuminating apparatus. 2,179,409; Nov. 7.
Hulse, Arthur F., assignor of one-half to Sharpe Manufacturing Company, Los Angeles, Calif. Closure. 2,178,964; Nov. 7.
Humoco Corporation. (See Caten, Walter E., assignor.)
Humoco Corporation. (See Moore, George A., assignor.)
Hunt, Henry M. (See Schellin, J. C., Housekeeper, and Hunt.)
Hydraulic Brake Company. (See Scott, Don O., assignor.)
Hygrade Sylvania Corporation. (See Bowie, Robert M., assignor.)
Hygrade Sylvania Corporation. (See Krahl, Walter L., assignor.)
Hygrade Sylvania Corporation. (See Palmateer, Russell E., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Daimler, K., and Platz, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Guthke, Friedrich W., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Heuer, Werner, assignor.)
Iden, Fred B., Cleveland Heights, Ohio., assignor to General Electric Company. Filament coiling machine. 2,179,296; Nov. 7.
Illinois Testing Laboratories, Inc. (See Breitenstein, Victor W., assignor.)
Ingersoll Milling Machine Company, The. (See Kraus, Charles E., assignor.)
Ingersoll-Rand Company. (See Carpenter, Allan O., assignor.)
Inglis, John, assignor to Clyde Paper Company, Limited, Rutherglen, and Drysdale & Company, Limited, Glasgow, Scotland. Centrifugal pump unit. 2,178,994; Nov. 7.
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Fuller, Frederick L., assignor.)
International Business Machines Corporation. (See Thorsson, M. T., and Holt, assignors.)
International Business Machines Corporation. (See Von Pein, Edward J., assignor.)
International Chain & Manufacturing Company. (See Campbell, George J., Jr., assignor.)
International Cigar Machinery Company. (See Burns, Herbert A., assignor.)
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of ethers. 2,179,092; Nov. 7.
Irwin, William J., Wilkinsburg, Pa. Furnace regenerator system. 2,178,794; Nov. 7.
Irwin, William J., Wilkinsburg, Pa. Furnace regenerator arrangement. 2,178,795; Nov. 7.
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray device. 2,179,243; Nov. 7.
Jackes-Evans Manufacturing Company. (See Jackes, Stanley F., assignor.)
Jackes, Stanley F., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove. 2,178,635; Nov. 7.
Jackson, Arthur J., et al. (See Glasgow, Chester W., assignor.)
Jackson, Harry, Harrisburg, Pa. Burglar-alarm window guard. 2,179,042; Nov. 7.
Jacobson, Ralph A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Amino ketones and making. 2,179,215; Nov. 7.
Jacobsson, Wilgot J. (See Smith, G. H., and Jacobsson.)
Janowski, Henry M., South Bend, Ind., assignor to Peco Manufacturing Corporation, Philadelphia, Pa. Apparatus for making incisions. 2,178,665; Nov. 7.
Jarvis, Kenneth W., Norwalk, and R. M. Blair, Westport, Conn., assignors to Radio Corporation of America, New York, N. Y. Superheterodyne detector. 2,178,995; Nov. 7.
Jean, James W., Pasadena, Calif. Motor fuel. 2,179,151; Nov. 7.
Jensen Creamery Machinery Company. (See Cornell, Fritz F., Jr., assignor.)
Jerrell, Joseph H. and J. M., Jr., New Orleans, La. Multiple double action connecting rod and crankpin assembly. 2,179,185; Nov. 7.
Jerrell, Joseph M., Jr. (See Jerrell, Joseph H. and J. M., Jr.)
Jesnig, Charles J., Newtown Square, Pa. Bathtub slipper. 2,179,124; Nov. 7.
Jett, George C. (See Jett, Robert M. and G. C.)
Jett, Robert M. and G. C., Milwaukee, Wis. Power transmission mechanism. 2,178,859; Nov. 7.
Joachim, Herman L., San Francisco, Calif. Recovery of lime sludge. 2,178,586; Nov. 7.
Johnson, Foy E., Turkey, Tex. Trailer. 2,179,410; Nov. 7.
Johnson, Frederick B., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Porcelain-surface protection. 2,179,297; Nov. 7.
Johnson, Glenn D. (See Bronzan, B., and Johnson.)
Johnson, Gustave A., Weymouth, assignor to New England Bedding Company, Medford, Mass. Convertible couch. 2,179,152; Nov. 7.
Johnson, John W., St. Maries, Idaho. Cover for garment hangers. 2,178,965; Nov. 7.
Johnson, Lawrence C., Park Ridge, assignor to Underwood Electric & Mfg. Co., Inc., Chicago, Ill. Trimmer condenser bank. 2,179,093; Nov. 7.
Johnson, Myron O. (See Riney, A. H., and Johnson.)
Johnson, Oscar M., Denver, Colo. Caster penholder. 2,178,755; Nov. 7.
Johnston, Howard M., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Grain grinder. 2,178,636; Nov. 7.
Jones, Lester L., Oradell, N. J. Electric steam iron. 2,179,259; Nov. 7.
Jones, Mack C., Haddon Heights, N. J., assignor to Radio Corporation of America. Audio frequency amplifier. 2,179,260; Nov. 7.
Jones, Robert R., Akron, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio. Electrode clamp. 2,179,153; Nov. 7.
Joost, William E., Oakland, Calif. Lubricating system. 2,178,756; Nov. 7.
Jordan, Henry, and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,178,757; Nov. 7.
Joss, Ernest J., Cranston, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Method and apparatus for tensioning and winding resilient thread. 2,179,094; Nov. 7.
Junghans, Helmut, Schramberg-Sulgen, Wurtemberg, Germany. Pendulum clockwork. 2,179,411; Nov. 7.
Kach, Arthur R., Ashtabula, Ohio. Tooth paste or shaving cream dispenser. 2,179,012; Nov. 7.
Kallo, Inc. (See Lieberknecht, Karl R., assignor.)
Kalks, Erna. (See Kalks, Max E., assignor.)
Kalks, Max E., New York, assignor to E. Kalks, Hempstead, Long Island, N. Y. Clothes drier. 2,179,216; Nov. 7.
Kalle & Co. Aktiengesellschaft. (See Voss, Julius, assignor.)
Kalow, Leo H. (See Singer, Joseph, assignor.)
Kamenarović, Leone, assignor to Fabbrica Italiana Magneti Marelli, Società Anonima, Milan, Italy. Evacuated bulb mount for piezoelectric crystals. 2,178,909; Nov. 7.
Kapella Limited. (See Taylor, W., and Cooke, assignors.)
Kauffmann, Hans O., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Decolorizing sugar solutions. 2,178,587; Nov. 7.
Kaye, John W., San Antonio, Tex. Steering wheel. 2,179,013; Nov. 7.
Kearney, James R., Corporation. (See De Right, E. J., and Tipsord, assignors.)
Kearns, Bernard A., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Continuous truing mechanism. 2,178,875; Nov. 7.
Kelch Heater Company. (See Caldwell, Stuart H., assignor.)
Kell, Ray D., Haddonfield, N. J., assignor to Radio Corporation of America. Television system. 2,178,758; Nov. 7.
Keller, Arthur C., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for heating dielectric materials. 2,179,261; Nov. 7.
Keller, Manfred, Syosset, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Circular knit goods comprising high tenacity rayon. 2,178,759; Nov. 7.
Kellett, William P., New York, N. Y. Safety shockproof container car. 2,178,690; Nov. 7.
Kelley-Koett Manufacturing Company Incorporated, The. (See Bader, W., and Licher, assignors.)
Kelsey, John H., South Bend, Ind. Bait bucket. 2,179,095; Nov. 7.
Kendall, Myron A., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Belt conveyer. 2,179,186; Nov. 7.
Kendall, Myron A., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Belt conveyer. 2,179,187; Nov. 7.
Ken-Jon Inc. (See Vreeland, Charles H., assignor.)
Keuthan, Charles F., Middletown, Ohio. Step or rung. 2,179,412; Nov. 7.
Keyes, John J., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Magnet wire insulating machinery. 2,179,334; Nov. 7.
Kimball, Raymond, Hollywood, Calif. Multiunit radio receiving system. 2,179,043; Nov. 7.
King, Lynn. (See Muskat, I. E., and King.)
Kingston Products Corporation. (See Douglas, Harry A., assignor.)
Kirlin, Ivan M., Detroit, Mich. Fender. 2,179,125; Nov. 7.
Kitselman, Alva L., II, Palo Alto, Calif. Dining table receptacle. 2,179,188; Nov. 7.
Kjos, Alfred J., Baker, Oreg. Draft pole. 2,179,189; Nov. 7.

Klauder, Kathryn L., Palmyra, N. J. Garment. 2,179,335; Nov. 7.
Klein, David X., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone acid wool dyestuff. 2,179,217; Nov. 7.
Klein, Felix. (See Frank, L., and Klein.)
Klein, Robert L., Cincinnati, Ohio. Color correction of photo-mechanical images. 2,179,014; Nov. 7.
Kleinman, Jacob L., New York, N. Y. Racket. 2,178,588; Nov. 7.
Klotz, Abraham I., New York, N. Y. Case. 2,179,126; Nov. 7.
Klugman, Julius, et al. (See Lewis, Howard B., assignor.)
Knab, Max, Brooklyn, N. Y., and H. I. Danziger, Williamstown, assignors to Sprague Specialties Company, North Adams, Mass. Electrolytic device. 2,178,936; Nov. 7.
Knibloe, Ralph L., Sharon, Conn. Shape-retaining device for hats. 2,178,860; Nov. 7.
Knight, Julian G., Brooklyn, N. Y. Door buck support. 2,179,262; Nov. 7.
Knowlton, Donald R. (See Crites, W. J., and Knowlton.)
Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Audio frequency amplifier. 2,179,263; Nov. 7.
Koehler Manufacturing Company. (See Wheat, Grant, assignor.)
Koehly, Paul F. (See Georgiev, A. M., and Koehly.)
Kolosso, Vincent J., Appleton, Wis. Fishing rod and reel. 2,179,413; Nov. 7.
Konkle, Philip J., Cincinnati, Ohio, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Contrast amplifier. 2,179,414; Nov. 7.
Kormann, Robert, Astoria, Long Island, N. Y. Protractor device. 2,178,796; Nov. 7.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic cord tire and cord tire fabric. 2,179,374; Nov. 7.
Krahl, Walter L., Swampscott, assignor to Hygrade Sylvania Corporation, Salem, Mass. Mount support support for radio-tube mounts. 2,178,836; Nov. 7.
Krahl, Walter L., Swampscott, assignor to Hygrade Sylvania Corporation, Salem, Mass. Mount support for electron-discharge tubes. 2,178,837; Nov. 7.
Kraus, Charles E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Method of and apparatus for face-milling. 2,178,589; Nov. 7.
Kraus, Charles E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Method of and apparatus for surfacing metal workpieces. 2,178,590; Nov. 7.
Krebser, Adolf, Riehen, near Basel, assignor to J. R. Geigy A. G., Basel, Switzerland. Disazo dyestuffs and their manufacture. 2,179,190; Nov. 7.
Kriechbaum, John P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Zone control system. 2,179,044; Nov. 7.
Krueger, Herman F., Los Angeles, Calif. Inkstand. 2,178,861; Nov. 7.
Kuhn, Wayne E., Jackson Heights, assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 2,178,838; Nov. 7.
Lagergren, Carl, Osterville, Mass. Grease gun adapter. 2,178,966; Nov. 7.
Lambert, Maude M., administratrix. (See Earll, Charles I.)
Land, Edwin H., Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Suspension of light-polarizing particles and making same. 2,178,996; Nov. 7.
Landis Tool Company. (See Ott, Conrad L., assignor.)
Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,178,839; Nov. 7.
Langenwalter, Hans-Wolfgang. (See Bünger, W., and Langenwalter.)
Lapinski, Exur. (See Byrn, Eugene, assignor.)
Larocca, James, Chicago, assignor to Speedway Manufacturing Company, Cicero, Ill. Reversible alternating current induction motor. 2,178,691; Nov. 7.
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Larsen, Soren K. B., Minneapolis, Minn. Humidifier. 2,179,470; Nov. 7.
Larson, Charles O., assignor to Chas. O. Larson Co., Sterling, Ill. Device for supporting a clothesline or other article. 2,179,096; Nov. 7.
Larson, Chas. O., Co. (See Larson, Charles O., assignor.)
Larson, Otto C., Brooklyn, N. Y. Door lock. 2,178,666; Nov. 7.
Latham, Robert L., Las Vegas, Nev. Arch support. 2,178,910; Nov. 7.
Laucks, I. F., Inc. (See Dike, T. W., and Galber, assignors.)
Lauer, Raymond J., Cicero, assignor to The Dole Valve Company, Chicago, Ill. Pipe coupling. 2,179,127; Nov. 7.
La Vigne, George, Miami, Fla. Bottle breaker. 2,178,797; Nov. 7.
Law, Russell R., West Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cathode ray tube electrode structures. 2,179,097; Nov. 7.
Lawrence, Frank, Masury, Ohio. Airplane propulsion. 2,178,725; Nov. 7.
Laws, Jeanne. (See Lincoln, Walter E., assignor.)
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Split-foot knitting machine. 2,178,911; Nov. 7.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Bobbin stand. 2,179,015; Nov. 7.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric. 2,179,336; Nov. 7.
Layne, Leslie A. (See Block, Harold C., assignor.)
Lazier, Wilbur A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydrogenation of hydroxy carboxylic acids and esters thereof. 2,178,760; Nov. 7.
Lazier, Wilbur A., New Castle County, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic formation of long-chain aldehydes. 2,178,761; Nov. 7.
Leahey, Francis P., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Wire cleaning device. 2,178,912; Nov. 7.
Lee, Martin L., Brooklyn, N. Y. Game. 2,179,471; Nov. 7.
Leeds & Northrup Company. (See Stein, Irving M., assignor.)
Leich Electric Co. (See Reid, Alexander C., assignor.)
Leighton, John W., Port Huron, Mich. Vehicle. 2,179,016; Nov. 7.
Lempco Products, Inc. (See Blazek, John Y., assignor.)
Leukert, Wilhelm, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rectifier system. 2,179,337; Nov. 7.
Levine, Arthur A., and O. W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 1,1,1-trichloropropane and method of preparation. 2,179,218; Nov. 7.
Lewis, Arthur, Astoria, Long Island, N. Y. Locked pipe closure. 2,179,045; Nov. 7.
Lewis, Howard B., Inglewood, assignor to D. and S. Gelb and J. Klugman, Los Angeles, Calif. Fingernail polish protector. 2,179,046; Nov. 7.
Libbey Glass Company. (See Schneider, Henry W., assignor.)
Libbey Glass Company. (See Schneider, H. W., and Mankin, assignors.)
Licher, Rudolph. (See Bader, W., and Licher.)
Lidgerwood Manufacturing Company. (See Benson, Melvin B., assignor.)
Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kallo, Inc., New York, N. Y. Knitting machine. 2,178,591; Nov. 7.
Lienemann, Alfred A. (See Lubbers, Lubbert E., assignor.)
Lincoln, Walter E., Belvidere, assignor of one-half to J. Laws, Rockford, Ill. Antiskid device. 2,178,592; Nov. 7.
Linde Air Products Company, The. (See Smith, G. H., and Jacobsson, assignors.)
Lindegren, Carl J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for looms. 2,179,338; Nov. 7.
Lindstedt, Gustav A., and E. H. Öhrn, assignors to Aktiebolaget Linham, Stockholm, Sweden. Manufacturing a device for screening-off scattered X-rays. 2,178,798; Nov. 7.
Line Material Company. (See Schultz, William O., assignor.)
Link, Edwin A., Jr., Binghamton, N. Y. Means and method of instrument indication in airplanes and the like. 2,178,637; Nov. 7.
Link, Forest L. W., Silverton, assignor to The Globe-Wernecke Company, Norwood, Ohio. Visible index follower block. 2,178,638; Nov. 7.
Little, Arthur D., Incorporated. (See Hervey, Laurence R. B., assignor.)
Little, Julius G., assignor to Hercules Powder Company, Wilmington, Del. Adhesive composition. 2,179,339; Nov. 7.
Littlefield, Edith M. (See Littlefield, Henry B., assignor.)
Littlefield, Henry B., assignor to E. M. Littlefield, North White Plains, N. Y. Construction and structure resulting therefrom. 2,178,667; Nov. 7.
Lobasso, Vincent, New York, N. Y. Label affixing machine. 2,179,264; Nov. 7.
Loen, Hans, Bloomfield, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Temperature compensated indicating instrument. 2,178,799; Nov. 7.
Lombard, Charles F., Alhambra, Calif. Inhaler. 2,178,800; Nov. 7.
Longenecker, Levi S., Pittsburgh, Pa. Suspended soaking pit cover. 2,178,668; Nov. 7.
Longyear, E. J., Company. (See Anderson, Olof B., assignor.)
Lorenian, Libarid, assignor of one-half to Z. Lorenian, Bucharest, Rumania. Medicament introducer. 2,178,840; Nov. 7.
Lorenian, Zareh. (See Lorenian, Libarid, assignor.)
Lougheed, Victor, Lucketts, Va., assignor to Cooper & Cooper, Inc., Brooklyn, N. Y. Hair clipper. 2,178,669; Nov. 7.
Loveless, Charles C., Jr. (See McNeese, C. H., and Loveless.)

Lovell-Dressel Company. (See Schmiedel, Gustave, assignor.)
Lowe, Joe, Corporation. (See Thomas, Norman M., assignor.)
Lowey, Roy E., Evanston, and E. C. Potter, assignors to Container Corporation of America, Chicago, Ill. Display container. 2,179,075; Nov. 7.
Lubbers, Lubbert E., assignor of one-half to A. A. Lienemann. Milwaukee, Wis. Auxiliary power drive. 2,178,841; Nov. 7.
Lubrication Corporation, The. (See Dodge, A. Y., and Tear, assignors.)
Luck, David G. C., Haddon Heights, N. J., assignor to Radio Corporation of America. Direct current amplifier. 2,179,265; Nov. 7.
Lukenbill, Emery D., Indianapolis, Ind. Grip attachment for brush handles. 2,179,266; Nov. 7.
Lyon Iron Works. (See Raymond, G. G., and House, assignors.)
Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass. Fractionation or classification of finely divided solids. 2,179,154; Nov. 7.
Mabon, Carl R., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Strip feeding and controlling mechanism for typewriting machines. 2,179,155; Nov. 7.
Mabon, Carl R., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Typewriting machine. 2,179,156; Nov. 7.
MacClatchie, John W., Newhall, assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Valve. 2,178,876; Nov. 7.
MacClatchie Manufacturing Company of California. (See MacClatchie, John W., assignor.)
Macdonald, Lester S. (See Standish, J. F., and Macdonald.)
MacDonald, Robert A., Greenwich, Conn., assignor to Russell Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Tap and method of use in making lock nuts. 2,179,157; Nov. 7.
Mace, Arthur T., East Cleveland, assignor to The Radiart Corporation, Cleveland, Ohio. Aerial and the like. 2,179,415; Nov. 7.
Mace, Arthur T., East Cleveland, assignor to The Radiart Corporation, Cleveland, Ohio. Antirattling means for telescopically extensible members. 2,179,472; Nov. 7.
Mackintosh-Hemphill Company. (See Duda, Wentzel R., assignor.)
MacKnight, Harry A., Cranston, assignor to Winsor & Jerauld Manufacturing Company, Providence, R. I. Tenter clip. 2,178,892; Nov. 7.
Macmar Corporation. (See McKee, R. H., and Martin, assignors.)
MacMullen, Clinton W. (See Bruson, H. A., and MacMullen.)
Magnesium Development Corporation. (See Tosterud, Martin, assignor.)
Magnesium Development Corporation. (See Wienert, Fritz, assignor.)
Malcar, Herman E., Cleburne, Tex. Outlet box for a gas cock. 2,179,416; Nov. 7.
Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)
Manke, Arthur G., Stratford, Conn., assignor to General Electric Company. Signal system. 2,179,298; Nov. 7.
Mankin, Lawrence O. (See Schneider, H. W., and Mankin.)
Marchant, Braulio P. (See Munés, J. R., and Marchant.)
Mardis, Paul L. (See Binney, E. A., and Mardis.)
Markel, Orville. (See Bandish, J. M., and Markel.)
Markert, John P., Stamford, Conn. Receptacle. 2,178,967; Nov. 7.
Marks, Paul J., Rochester, N. Y. Bottle seal. 2,179,158; Nov. 7.
Marquardt, Frank C., assignor to American Bank Note Company, New York, N. Y. Rotary printing machine. 2,178,639; Nov. 7.
Marschalk, Frederick F., assignor of one-half to C. R. Battey, Augusta, Ga. Closing cap for collapsible tubes. 2,179,452; Nov. 7.
Martin, Archworth, Pittsburgh, Pa. Machine for making plaster ground. 2,179,128; Nov. 7.
Martin, James W. (See McKee, R. H., and Martin.)
Martin-Parry Corporation. (See Small, Frederick M., assignor.)
Marvin, Charles B., and E. J. Podany, assignors to The Murray Corporation of America, Detroit, Mich. Welding machine. 2,178,877; Nov. 7.
Mason, Clesson E., assignor to The Foxboro Company, Foxboro, Mass. Fluid-measuring apparatus. 2,179,219; Nov. 7.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical apparatus. 2,179,098; Nov. 7.
Massey-Harris Company Limited. (See Johnston, Howard M., assignor.)
Mast, Joseph, Phoenix, Ariz. Machine for making pie dough or like pastries. 2,179,076; Nov. 7.
Mathieson Alkali Works, Inc., The. (See Michalek, J. C., and Soule, assignors.)
Matoush, Leroy L., assignor to Papaya Corporation of America, New York, N. Y. Food concentrate of papaya. 2,178,593; Nov. 7.

Mattern, John F., Wilkinsburg, Pa., and V. H. Baker, Springfield, Ohio, assignors to Elliott Company, Pittsburgh, Pa. Tube cleaner. 2,178,801; Nov. 7.
Matthews, Russell R., Cornwall, assignor to Firth Carpet Company, Inc., New York, N. Y. Carpet or rug fabric. 2,179,375; Nov. 7.
Maxham, Elmer E., Beverly, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Compensating condenser. 2,179,417; Nov. 7.
McAdams, John L., Newton, Mass. Multiple copy pad. 2,178,878; Nov. 7.
McClure, Ernest C., Wahroonga, New South Wales, Australia, assignor to Powers Accounting Machines, Limited, London, England. Calculating machine. 2,178,913; Nov. 7.
McCollough, James H., Alameda, Calif., assignor to Universal Engine & Propeller Company. Tractor. 2,179,159; Nov. 7.
McCormick, Edward J., Spencer, N. C. Holder for divisional propellent charges. 2,178,594; Nov. 7.
McCormick, Edward J., Spencer, N. C. Holder for divisional propellent charges. 2,178,595; Nov. 7.
McCormick, Edward J., Spencer, N. C. Holder for divisional propellent charges. 2,178,596; Nov. 7.
McCormick, Edward J., Spencer, N. C. Holder for divisional propellent charges. 2,178,597; Nov. 7.
McCormick, Edward J., Spencer, N. C. Holder for divisional propellent charges. 2,178,598; Nov. 7.
McCormick, Edward J., Spencer, N. C. Holder for divisional propellent charges. 2,178,599; Nov. 7.
McCurrach, Mabel C., Brooklyn, assignor to McCurrach Organization, Incorporated, New York, N. Y. Necktie. 2,178,893; Nov. 7.
McCurrach Organization, Incorporated. (See McCurrach, Mabel C., assignor.)
McDevitt, Harry J., Media, assignor to G. F. Milne, Rosemont, Pa. Oiling device for filter units. 2,179,473; Nov. 7.
McDonald Products Corporation. (See Osborn, Alex F., assignor.)
McDonald, Thomas M., Saint Ignatius, Mont. Electric bicycle. 2,179,418; Nov. 7.
McDonald, William J., assignor to Pecheur Lozenge Company, Inc., Brooklyn, N. Y. Candy package. 2,179,376; Nov. 7.
McDonald, William J., assignor to Pecheur Lozenge Company, Inc., Brooklyn, N. Y. Package. 2,179,377; Nov. 7.
McDonough, Everett G. (See Evans, R. L., and McDonough.)
McGregor, Thomas A., assignor to The American Forging & Socket Company, Pontiac, Mich. Adjustable support. 2,179,129; Nov. 7.
McGurk, William, Allston, Mass. Curtain rod threading attachment. 2,178,914; Nov. 7.
McIntyre, Brouwer D., assignor to Monroe Auto Equipment Company, Monroe, Mich. Spring shackle. 2,178,692; Nov. 7.
McKee, George K., and C. E. Bernitt, Cincinnati, Ohio, assignors to The Avey Drilling Machine Company, Covington, Ky. Machine tool. 2,178,915; Nov. 7.
McKee, Ralph H., New York, and J. W. Martin, Yonkers, assignors to Macmar Corporation, New York, N. Y. Producing carbon dioxide. 2,178,968; Nov. 7.
McLaughlin, Robert W., Jr., assignor to American Houses, Inc., New York, N. Y. Building construction. 2,178,762; Nov. 7.
McMahan, Thomas E. (See Creighton, T. A., and McMahan.)
McMullen, John, Buffalo, N. Y. Automobile securing device. 2,178,693; Nov. 7.
McMurry, William C., Birmingham, Ala. Transportation equipment. 2,179,047; Nov. 7.
McNeese, Charles H., and C. C. Loveless, Jr., assignors to Continental Oil Company, Ponca City, Okla. Bottom hole choke. 2,178,540; Nov. 7.
McWilliams, Eugene W., Barbourville, assignor of one-half to C. L. Hammons, Corbin, Ky. Well cap. 2,179,191; Nov. 7.
Mealey, Robert C., et al. (See Ronning, B. E., and Mealey.)
Meek, Carey J., Wheeler, Tex. Copy holder. 2,179,419; Nov. 7.
Melton, Romie L. (See Benner, R. C., Melton, and Boyer.)
Menge, Clarence H., Mount Clemens, assignor to The Murray Corporation of America, Detroit, Mich. Cushion. 2,178,670; Nov. 7.
Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of acetylene. 2,179,378; Nov. 7.
Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of acetylene. 2,179,379; Nov. 7.
Michalek, John C., and E. C. Soule, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of hydrogen peroxide. 2,178,640; Nov. 7.
Michell-Crankless Engines Corporation. (See Sherman, Thomas L., assignor.)
Middleton, Herbert T., Englewood, N. J., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Cocoa and sugar compound and making same. 2,179,130; Nov. 7.

Mikes, John J., Cicero, assignor of one-half to E. E. Wagner, Chicago, Ill. Platform operating means. 2,178,879; Nov. 7.
Milbrand, Otto. (See White, Eli, assignor.)
Millard, Raymond B., Tulsa, Okla. Method and apparatus for treating emulsions. 2,179,131; Nov. 7.
Miller, George E., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Differential fluid pressure line control. 2,179,267; Nov. 7.
Miller, John H., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Testing device. 2,179,048; Nov. 7.
Miller, Walter E., Ann Arbor, assignor of one-half to W. Miller, Sr., Ann Arbor Township, Washtenaw County, Mich. Trailer coupling. 2,178,726; Nov. 7.
Miller, Walter, Sr. (See Miller, Walter E., assignor.)
Miller, William G., Detroit, Mich., assignor to Grade Crossing Guard Corp., Memphis, Tenn. Crossing protective system. 2,178,880; Nov. 7.
Millermaster, Ralph A., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Safety switch. 2,178,600; Nov. 7.
Mills, Percy E. (See Hoyt, F. A., and Mills.)
Milne, Gordon F. (See McDevitt, Harry J., assignor.)
Minneapolis-Honeywell Regulator Company. (See Baak, Albert E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Kriechbaum, John P., assignor.)
Mitchell, William O., Baltimore, Md. Combined lipstick and perfume container. 2,178,997; Nov. 7.
Mitchum, Leon C. (See Hill, George and A. G., Baker, Mitchum, and Harper.)
Moecker, Aronid H., Homewood, Ill., assignor to American Stove Company, St. Louis, Mo. Range door construction. 2,179,049; Nov. 7.
Mohler, Ernest E., assignor to Fruit & Produce Packing, Inc., Indianapolis, Ind. Handle basket construction. 2,178,802; Nov. 7.
Monerieff, Robert W. (See Dreyfus, H., and Monerieff.)
Monroe Auto Equipment Company. (See McIntyre, Brouwer D., assignor.)
Monsanto Chemical Company. (See Dyer, Colver P., assignor.)
Montague, Edgar J., Cortland, N. Y. Vegetable slicer and French fried potato cutter. 2,179,050; Nov. 7.
Montgomery Ward & Co. (See Evertson, Joseph H., assignor.)
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container. 2,179,231; Nov. 7.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Heater. 2,178,894; Nov. 7.
Morgan, Reginald H. T. (See Cohen, A., Morgan, and Goldstein.)
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of diolefins. 2,178,601; Nov. 7.
Morrell, Jacque C., and A. V. Grosse, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of diolefins. 2,178,602; Nov. 7.
Morrison, George O., and A. F. Price, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Making polyvinyl acetal resins. 2,179,051; Nov. 7.
Most, Lucifer J., Hudson County, N. J. Die. 2,178,803; Nov. 7.
Mudgett, Guernsey F., Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting fixture. 2,179,340; Nov. 7.
Mueller Co. (See Cline, Earl E., assignor.)
Mueller, Erich O., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Grease-overflow catcher for high-speed motors. 2,179,341; Nov. 7.
Mukat, Irving E., Akron, and G. H. Cady, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Material treatment. 2,178,696; Nov. 7.
Müller, Gustav W., Berlin-Charlottenburg, Germany, assignor to General Electric Company. Protective means for electric circuits. 2,179,342; Nov. 7.
Müller, Johann, assignor to Aktiengesellschaft Hermann Forster, Arbon, Switzerland. Electrically heated radiator. 2,179,420; Nov. 7.
Muller, John P. (See Upton, C. G., and Barnett, assignors.)
Munés, Juán R., and B. P. Marchant, Ilopango, San Salvador, Salvador. Pneumatic tire. 2,179,192; Nov. 7.
Murcek, Slavo J., Duquesne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Self-regulating battery charger. 2,179,299; Nov. 7.
Murphy, Jeremiah T., Seattle, Wash. Hydraulic clutch and reduction mechanism. 2,178,804; Nov. 7.
Murray Corporation of America, The. (See Marvin, C. B., and Podany, assignors.)
Murray Corporation of America, The. (See Menge, Clarence H., assignor.)
Murray, John J., Yonkers, N. Y. Paper box, carton, or tray. 2,179,421; Nov. 7.
Muskat, Irving E., Akron, and L. King, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Stabilizing halogenated hydrocarbons. 2,178,695; Nov. 7.
Muskat, Irving E., Akron, and W. F. Weldeck, Wadsworth, Ohio, assignors to The Pittsburgh Plate Glass Company, Allegheny County, Pa. Purifying caustic soda. 2,178,694; Nov. 7.
Myers, Joseph W., and R. O. Stevenson, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Cooking appliance. 2,179,422; Nov. 7.
Myers, Leo. (See Myers, Roy W., assignor.)
Myers, Roy W., assignor of one-fifth to L. Myers, Dennison, Ohio. Valve seat inset. 2,178,895; Nov. 7.
N. V. Philips' Gloeilampenfabriken. (See Alink, R. J. H., and de Boer, assignors.)
National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)
National Tube Company. (See Dunn, Jerry J., assignor.)
National Tube Company. (See Helmbach, C. H., and Thompson, assignors.)
National Tube Company. (See Passmore, Henry E., Jr., assignor.)
National Tube Company. (See Simpson, Albert W., assignor.)
Natural Gas Equipment Inc. (See Thomas, John V., assignor.)
Neale, William M., et al. (See Cox, T. V., and Neale.)
Needle, Haskell C. (See Stein, L., Walsh, and Needle.)
Neeson, Charles R., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Two-cylinder compressor. 2,179,268; Nov. 7.
Nelms, George C., assignor to Portable Lamp and Equipment Co., Pittsburgh, Pa. Blast discharge controlling circuit maker. 2,179,052; Nov. 7.
Nelson, Gustaf A., Brooklyn, N. Y. Snap-action device. 2,179,099; Nov. 7.
Nelson, Rudolph S., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,178,603; Nov. 7.
Neon Products, Inc. (See Howenstine, James A., assignor.)
Neuman, Arthur O., San Antonio, Tex. Dam construction. 2,178,916; Nov. 7.
Neumann, Georg, Berlin, Germany. Magnetic coupling. 2,178,641; Nov. 7.
New England Bedding Company. (See Johnson, Gustave A., assignor.)
New Haven Clock Company, The. (See English, Philip H., assignor.)
New Jersey Machine Corporation. (See von Hofe, G. W., and Claus, assignors.)
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Niccolls, Lester N., near Seattle, Wash. Electrical heater for soldering irons. 2,178,862; Nov. 7.
Nicholson, Frederick A., and W. T. Pritchard, assignors to Stetson-Ross Machine Company, Seattle, Wash. Resilient mounting means for a resiliently supported feeding mechanism. 2,178,541; Nov. 7.
Nicholson, Stanley W., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Regulator mechanism for vehicle windows. 2,179,343; Nov. 7.
Nieder, Charles P. and M. J. Orr, Miami, Fla. Tool sharpener. 2,178,937; Nov. 7.
Nieman, Ernst H., Normandy, assignor to Carter Carburetor Corporation, St. Louis, Mo. Adjustable throttle valve stop. 2,179,380; Nov. 7.
Noble, F. H., & Co. (See Shields, John M., assignor.)
Nordenhaug, Josef. (See Herman, D. F., and Nordenhaug.)
Norton Company. (See Flygare, Carl G., assignor.)
Norton Company. (See Green, Clarence J., assignor.)
Norton Company. (See Hudson, Charles J., assignor.)
Norton Company. (See Paine, Lloyd E., assignor.)
Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Drying oil and preparing same. 2,178,604; Nov. 7.
O'Brien, William J., Gates Mills, assignor to The Glidden Company, Cleveland, Ohio. Purification of cadmium. 2,178,763; Nov. 7.
Oestreicher, George J., Cleveland, Ohio. Thermometer casing and tank sanitary fitting combination. 2,178,697; Nov. 7.
Ogden, Jacob W., Springdale, assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Postage meter unit. 2,179,232; Nov. 7.
Ogden, Jacob W., Springdale, assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Adjustable printing die. 2,179,269; Nov. 7.
Ohio Ferro-Alloys Corporation. (See Jones, Robert R., assignor.)
Ohio Ferro-Alloys Corporation. (See Vignos, James C., assignor.)
Ohmstede, August, Beaumont, Tex. Cutting machine. 2,178,938; Nov. 7.
Öhrn, Ernst H. (See Lindstedt, G. A., and Öhrn.)
Oil Devices. (See Breese, James L., assignor.)
Oilgear Company, The. (See Wiedmann, Ernst, assignor.)
Olcott, Charles A., West Milford, N. J. Process and apparatus for the treatment of sugar-bearing materials. 2,178,805; Nov. 7.
Alsen, Tinius, Testing Machine Company. (See Sivertsen, Jens, assignor.)
Orr, Marce J. (See Nieder, C. P., and Orr.)
Osborn, Alex F., assignor to McDonald Products Corporation, Buffalo, N. Y. Reading matter holder. 2,178,542; Nov. 7.
Osborn, Paul V., assignor to Carrier Corporation, Syracuse, N. Y. Apparatus for manufacturing finned tubing. 2,178,671; Nov. 7.
Osgood, Walter P., Malden, Mass. Shaping machine for sole-shaped shoe parts. 2,179,132; Nov. 7.

Oshei, William E., Brentford, England. Direction indicator. 2,179,344; Nov. 7.
Oshei, William E., Brentford, England. Vehicle direction indicator. 2,179,345; Nov. 7.
Ott, Conrad L., assignor to Landis Tool Company, Waynesboro, Pa. Lubricating mechanism. 2,178,642; Nov. 7.
Overholt, J. D. (See Browne, Floyd A., assignor.)
Owens-Corning Fiberglas Corporation. (See Slayter, Games, assignor.)
Owens, Horace K., Sarasota, Fla., assignor of one-third to Essanbee Holding Company. Securing means for license plates. 2,178,727; Nov. 7.
Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
Pacific Electric Manufacturing Corporation. (See Gerard, Roy H., assignor.)
Paine, Lloyd E., assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,178,842; Nov. 7.
Palmeteer, Russell E., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Insulated member. 2,179,381; Nov. 7.
Palmateer, Russell E., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Binder and coating materials and producing the same. 2,179,453; Nov. 7.
Papaya Corporation of America. (See Matoush, Leroy L., assignor.)
Paragon Revolute Corporation. (See Sullivan, Warren L., assignor.)
Pari, Jack, New York, N. Y. Closure device for collapsible tubes and the like. 2,179,423; Nov. 7.
Parks-Cramer Company. (See Hodge, William B., assignor.)
Parrish, Alan J., assignor of one-half to M. Parrish and one-half to J. Parrish, Paris, Ill. Sheet metal pipe and pipe joint. 2,179,193; Nov. 7.
Parrish, Jane, et al. (See Parrish, Alan J., assignor.)
Parrish, Margaret, et al. (See Parrish, Alan J., assignor.)
Parsons, John S., Swissvale, and G. O. Harrison, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alternating current apparatus. 2,179,346; Nov. 7.
Passmore, Henry E., Jr., Mount Lebanon, Pa., assignor to National Tube Company. Tube drawing bench. 2,179,194; Nov. 7.
Patent Button Company, The. (See Carley, L. R., and Purinton, assignors.)
Paterson, John C., Peterborough, England, assignor to Baker Perkins Company Inc., Saginaw, Mich. Endless band conveyer. 2,179,270; Nov. 7.
Paulus, William, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 2,179,454; Nov. 7.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking motion for looms. 2,179,347; Nov. 7.
Pealer, Robert B., assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Portable stand. 2,178,605; Nov. 7.
Pease, Earl E., Mount Prospect, assignor to Battery Patents Corporation, Chicago, Ill. Bicycle frame or the like. 2,178,939; Nov. 7.
Pecheur Lozenge Company. (See McDonald, William J., assignor.)
Peco Manufacturing Corporation. (See Janowski, Henry M., assignor.)
Penick, Arthur J. and K. T., Houston, Tex. Tubing head. 2,178,698; Nov. 7.
Penick, Arthur J. and K. T., Houston, Tex. Well head. 2,178,699; Nov. 7.
Penick, Arthur J. and K. T., Houston, Tex. Tubing head. 2,178,700; Nov. 7.
Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Penney, Gaylord W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Wire drawing machinery. 2,179,348; Nov. 7.
Pennow, Willis A., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Light-sensitive relay control system. 2,179,349; Nov. 7.
Pepper, Lawrence W., assignor to Central Culvert Company, Ottumwa, Iowa. Soil conservation device. 2,178,863; Nov. 7.
Perfecto Gear Differential Co. (See Starr, Charles E., assignor.)
Perkins, Laurence M., Syracuse, N. Y., assignor to Carrier Corporation, Newark, N. J. Fluid burner controller. 2,178,672; Nov. 7.
Permutit Company, The. (See Applebaum, Samuel B., assignor.)
Permutit Company, The. (See Pick, Eric, assignor.)
Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Reflector. 2,179,382; Nov. 7.
Persons-Majestic Manufacturing Company. (See Persons, Charles A., assignor.)
Peters, Joseph D., Bridgeport, Conn. Tooth brush dispensing package. 2,179,160; Nov. 7.
Petre, Ralph D., Cleveland, Ohio. Applying fluids to and cleaning articles. 2,178,701; Nov. 7.
Phelps, Boyd E., La Porte, Ind. Side discharge body. 2,179,300; Nov. 7.
Philco Radio & Television Corporation. (See Briggs, Joseph A., assignor.)
Philco Radio and Television Corporation. (See Konkle, Philip J., assignor.)
Philco Radio and Television Corporation. (See Maxham, Elmer E., assignor.)
Phillips, Norman E., and P. K. Faerber, Washington, D. C. Sleeping bag. 2,179,424; Nov. 7.
Phillips Petroleum Company. (See Crites, W. J., and Knowlton, assignors.)
Phillips Petroleum Company. (See Riney, A. H., and Johnson, assignors.)
Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Agitator. 2,179,271; Nov. 7.
Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Horsley, Caperton B., assignor.)
Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Stava, Robert J., assignor.)
Pieper, Howard K., Long Beach, Calif., assignor to E. B. Hall, V. P. Baker, and A. L. Armentrout. Cementing shoe. 2,179,017; Nov. 7.
Pifer, George N., Cleveland Heights, assignor to Speedtype, Inc., Cleveland, Ohio. Making photographs. 2,178,896; Nov. 7.
Piron, Emil H., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y. Track brake suspension. 2,178,643; Nov. 7.
Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Body construction and heating and ventilating system. 2,178,644; Nov. 7.
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,178,702; Nov. 7.
Pitney-Bowes Postage Meter Co. (See Ogden, Jacob W., assignor.)
Pittsburgh Plate Glass Company. (See Gage, Frederick, assignor.)
Pittsburgh Plate Glass Company. (See Muskat, I. E., and Cady, assignors.)
Pittsburgh Plate Glass Company. (See Muskat, I. E., and King, assignors.)
Pittsburgh Plate Glass Company. (See Muskat, I. E., and Waldeck, assignors.)
Place, Willard P., Wilkinsburg, and A. J. Sorensen, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,178,806; Nov. 7.
Platou, Leiv S. (See Brickman, A. E., and Platou.)
Platz, Carl. (See Daimler, K., and Platz.)
Plibrico Jointless Firebrick Company. (See Dunlap, Charles W., assignor.)
Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,178,807; Nov. 7.
Plumstead, Joseph E., Wilmington, Del., assignor, by mesne assignments, to Raffold Process Corporation, Andover, Mass. Paper manufacture. 2,178,606; Nov. 7.
Pneumatic Truck Body Corporation. (See Gregoric, Brand F., assignor.)
Poch, Waldemar J., Collingswood, N. J., assignor to Radio Corporation of America. Protective circuits. 2,178,764; Nov. 7.
Podany, Edward J. (See Marvin, C. B., and Podany.)
Polak, James J., Arnhem, and J. G. Weeldenburg, Ede, Netherlands, assignors to American Enka Corporation, Enka, N. C. Manufacture of artificial silk. 2,179,195; Nov. 7.
Polak, James J., Arnhem, and J. G. Weeldenburg, Ede, Netherlands, assignors to American Enka Corporation, Enka, N. C. Manufacture of artificial silk. 2,179,196; Nov. 7.
Polaroid Corporation. (See Land, Edwin H., assignor.)
Poleck, Hans, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, near Berlin, Germany. Measuring arrangement for potential transformers. 2,178,645; Nov. 7.
Poma, William, Detroit, Mich. Cue rack and slidable locking means therefor. 2,179,272; Nov. 7.
Ponten, Jean S. and O. W., Oakland, Calif. Serving tray. 2,179,273; Nov. 7.
Ponten, Olaf W. (See Ponten, Jean S. and O. W.)
Portable Lamp and Equipment Co. (See Nelms, George C., assignor.)
Potter, Earl C. (See Lowey, R. E., and Potter.)
Powell, Herbert S. (See Robbins, Brewster G., assignor.)
Power Transmission Company, The. (See Weber, Ernst, assignor.)
Powers Accounting Machines, Limited. (See McClure, Ernest C., assignor.)
Pratt, John W. (See Ricks, F., and Pratt.)
Price, Aubrey F. (See Morrison, G. O., and Price.)
Pritchard, Wilmot T. (See Nicholson, F. A., and Pritchard.)
Process Management Company. (See Atwell, Harold V., assignor.)
Proctor & Schwartz, Inc. (See Myers, J. W., and Stevenson, assignors.)
Pullen, Fred W., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweeper. 2,178,917; Nov. 7.
Purinton, Forrest G. (See Carley, L. R., and Purinton.)

Radiart Corporation, The. (See Mace, Arthur T., assignor.)
Radio Corporation of America. (See Campbell, Richard L., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Jarvis, K. W., and Blair, assignors.)
Radio Corporation of America. (See Jones, Mack C., assignor.)
Radio Corporation of America. (See Kell, Ray D., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Law, Russell R., assignor.)
Radio Corporation of America. (See Luck, David G. C., assignor.)
Radio Corporation of America. (See Poch, Waldemar J., assignor.)
Radio Corporation of America. (See Read, Sidney, Jr., assignor.)
Radio Corporation of America. (See Sidney, Watson, assignor.)
Radio Corporation of America. (See Thompson, Leland E., assignor.)
Radio Corporation of America. (See Tolson, William A., assignor.)
Radio Corporation of America. (See Widell, Emil G., assignor.)
Radio Corporation of America. (See Young, Arthur J., assignor.)
Raffold Process Corporation. (See Plumstead, Joseph E., assignor.)
Rainville, Omer J., South Attleboro, Mass., assignor to E. Z. I. Needle Co., Providence, R. I. Self-threading needle. 2,178,607; Nov. 7.
Rambusch Decorating Company. (See Rambusch, E., and Anderson, assignors.)
Rambusch, Edward, Brooklyn, and V. G. Anderson, New Rochelle, assignors to Rambusch Decorating Company, New York, N. Y. Illuminating device. 2,179,161; Nov. 7.
Ramsay, Erskine, Birmingham, Ala. Rolling car dump. 2,179,100; Nov. 7.
Ranney, Leo, Morro Bay, Calif. Shaft construction and operation. 2,179,020; Nov. 7.
Raybestos-Manhattan, Inc. (See Allwood, Albert, assignor.)
Raybestos-Manhattan, Inc. (See Cady, Pierre A., assignor.)
Raybestos-Manhattan, Inc. (See Novak, Izador J., assignor.)
Raymond, George G., and W. C. House, Greene, N. Y., assignors to Lyon Iron Works. Pallet. 2,178,646; Nov. 7.
Raymond, George G., and W. C. House, Greene, N. Y., assignors to Lyon Iron Works. Lift truck. 2,178,647; Nov. 7.
Raymond, Thomas E., Zanesville, Ohio. Electric output socket. 2,179,197; Nov. 7.
Read, David Y., New York, N. Y., assignor of one-fourth to J. P. Grandy and one-fourth to H. H. Snelling, Washington, D. C. Typewriting machine. 2,179,021; Nov. 7.
Read, Roland R., Kirkwood, Mo., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkyl guaiacols. 2,178,608; Nov. 7.
Read, Sidney, Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Indicator. 2,179,101; Nov. 7.
Reed, Daniel E., Brooklyn, assignor to Reed Safety Signal System, Inc., New York, N. Y. Automobile signal device. 2,179,022; Nov. 7.
Reed, John M., Los Angeles, Calif. Electrical switch plate. 2,179,198; Nov. 7.
Reed, John M., Los Angeles, Calif. Electrical switch plate. 2,179,199; Nov. 7.
Reed Safety Signal System, Inc. (See Reed, Daniel E., assignor.)
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. High-ratio variable speed transmission. 2,179,053; Nov. 7.
Reeves Pulley Company. (See Reeves, Paul B., assignor.)
Refining, Inc. (See Clayton, Benjamin, assignor.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Rehor, Frank C., New York, N. Y. Necktie. 2,179,133; Nov. 7.
Reid, Alexander C., assignor to Leich Electric Co., Genoa, Ill. Telephone transmitter. 2,179,102; Nov. 7.
Reid, Thomas A., Glendale, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchronized motor. 2,179,350; Nov. 7.
Reiter, Daniel I., New York, N. Y. Making snap fastener sockets. 2,178,918; Nov. 7.
Renz, Jany. (See Stoll, A., and Renz.)
Republic Flow Meters Company. (See Rosenberger, Albert J., assignor.)
Rhein, Lloyd R., Pleasant Ridge, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Striker. 2,178,919; Nov. 7.
Rhodes, Ernest, assignor to Standard Furniture Company, Herkimer, N. Y. Desk leg and the like. 2,178,940; Nov. 7.
Richardson, Led L., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Mounting for rock drills. 2,179,162; Nov. 7.
Ricks, Fred, and J. W. Pratt, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Roughing machine. 2,179,351; Nov. 7.
Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Vehicle door latch. 2,179,352; Nov. 7.
Riney, Arthur H., and M. O. Johnson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Sinking shafts. 2,179,077; Nov. 7.
Robbins, Brewster G., assignor to H. S. Powell, Utica, N. Y. Baffle plate for mufflers. 2,179,054; Nov. 7.
Robbins, Charles W., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Fuel burning apparatus. 2,178,703; Nov. 7.
Roberts, Cushman & Company. (See Roberts, Edward, Jr., assignor.)
Roberts, Edward, Jr., Hohokus, N. J., assignor to Roberts, Cushman & Company, New York, N. Y. Printing and embossing machine. 2,179,233; Nov. 7.
Roberts & Porter, Inc. (See Grembecki, Elmer C., assignor.)
Robinson, Vera E., Chicago, Ill. Tampon. 2,178,704; Nov. 7.
Rodwell, Reginald V., executor. (See Taylor, W, and Cooke.)
Rodwick, Frank, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Whipper. 2,179,383; Nov. 7.
Roeth, Louis H., Chicago, Ill. Ball bearing mounting for vibrator heads. 2,178,881; Nov. 7.
Rogers, Ulysses G., Jackson, Mich., assignor of one-half to J. J. Gallagher. Water heater. 2,179,274; Nov. 7.
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Röhm & Haas Company. (See Bruson, H. A., and MacMullen, assignors.)
Rohrer, John M., Orwigsburg, Pa. Apparatus for lasting shoes. 2,178,609; Nov. 7.
Rolfs, Emile C., Jr. (See Fasce, E. V., and Rolfs.)
Ronning, Birdan E., and R. C. Mealey, assignors of one-third to J. A. Ronning, Minneapolis, Minn. Variable speed transmission mechanism. 2,179,301; Nov. 7.
Ronning, Jacob A., et al. (See Ronning, B. E., and Mealey.)
Rose, Herbert A., Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,179,302; Nov. 7.
Rosen, Raphael, Elizabeth, and R. M. Thomas, Union, N. J., assignors to Standard Oil Development Company. Producing valuable polymers from hydrocarbon gases. 2,178,808; Nov. 7.
Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Control system and method. 2,178,864; Nov. 7.
Rosenblatt, Edgar F., East Orange, assignor to Baker & Company, Inc., Newark, N. J. Heavy metal cyclic nitroso compounds and making them. 2,178,809; Nov. 7.
Rosencranz, Emil C., assignor of one-half to J. F. Bartholome, Evansville, Ind. Stovepipe anchor. 2,179,055; Nov. 7.
Rossander, Swanie S. (See Jordan, H., and Rossander.)
Roswell Motor Supply Company. (See Urton, William C., assignor.)
Roth, August A., Baltimore, Md. Pickup fender. 2,179,163; Nov. 7.
Rothenbush, Ray E., Los Angeles, Calif., assignor of one-half to B. Druding, Beech Grove, Ind. Ice cream cutter and server. 2,178,648; Nov. 7.
Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Lock stitch sewing machine. 2,178,544; Nov. 7.
Rubel, Charles F., and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Lock stitch sewing machine. 2,178,543; Nov. 7.
Ruben, Samuel, New Rochelle, N. Y. Potential producing cell. 2,178,969; Nov. 7.
Ruben, Samuel, New Rochelle, N. Y. Electrolytic condenser. 2,178,970; Nov. 7.
Rubinoff, Mark, New York, N. Y. Sealed tag. 2,178,810; Nov. 7.
Ruddle, Allan B., San Francisco, Calif. Preparation of mineral oils for use in paint and the like. 2,178,705; Nov. 7.
Ruegg, Heinrich, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Drive for vehicle axles. 2,179,425; Nov. 7.
Rumchaks, Valentine, Chicago, Ill. Speed indicator. 2,179,103; Nov. 7.
Russell Burdsall & Ward Bolt & Nut Company. (See MacDonald, Robert A., assignor.)
Ruttenberg, Charles, Pittsburgh, Pa., assignor to American Textile Company. Ironing board cover. 2,179,458; Nov. 7.
Rybeck, Adolph W., assignor to T. L. Smith Company, Milwaukee, Wis. Concrete mixer. 2,179,104; Nov. 7.
Sabel, Edward R., assignor to The Haloid Company, Rochester, N. Y. Attachment for photocopy machines. 2,179,164; Nov. 7.
Sacheroff, Maurice, Cleveland Heights, Ohio. Collapsible baby walker and carriage. 2,179,275; Nov. 7.
Sallmann, Richard. (See Graenacher, C., and Sallmann.)

Salzberg, Paul L., Carrcroft, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricant. 2,178,610; Nov. 7.
Sateren, Martin G., West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Compression apparatus. 2,178,811; Nov. 7.
Savery, Charles W., Denver, Colo. Slicing. 2,178,920; Nov. 7.
Sax, Eugene E., Los Angeles, Calif. Barbecue fork. 2,178,971; Nov. 7.
Schade, Frank S., Holyoke, Mass. Nursing tray. 2,178,812; Nov. 7.
Schaeffer, Erich. (See Basel, G., and Schaeffer.)
Schaffernicht, Walter. (See Bruche, E., and Schaffernicht.)
Schauweker, William K., Cleveland, Ohio. Check and check-selecting device. 2,179,023; Nov. 7.
Scheidegger, Conrad, Rockford, Ill. Gnaw-proof container. 2,178,611; Nov. 7.
Schellin, John C., E. J. Housekeeper, and H. M. Hunt, assignors to Akron Brass Manufacturing Company, Incorporated, Wooster, Ohio. Siphon pump construction. 2,178,898; Nov. 7.
Schellin, John C., Wooster, Ohio. Signal lamp. 2,178,897; Nov. 7.
Schencke, Karl, Berlin-Tempelhof, Germany, assignor to Askania-Werke A. G. Stand head. 2,179,426; Nov. 7.
Scheutz, Joseph A., Hazel Park, Mich., assignor to W. A. Elgie, Chatham, Ontario, Canada, and J. H. Holbrook, Detroit, Mich. Automobile bumper. 2,179,427; Nov. 7.
Schiavi, Vincent, Wilmington, Del. Concrete bucket. 2,179,428; Nov. 7.
Schiavi, Vincent, Wilmington, Del. Cofferdam construction. 2,179,429; Nov. 7.
Schmiedel, Gustave, assignor to Lovell-Dressel Company, Inc., Arlington, N. J. Hand lantern. 2,179,056; Nov. 7.
Schmitt, Julius A., Hamilton, Ohio. Door latch. 2,179,430; Nov. 7.
Schmutz, Oskar, Berlin-Haselhorst, and O. Werner, Klein-Machnow, Kreis Teltow, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage stabilizing network. 2,179,353; Nov. 7.
Schneible, Claude B., Chicago, Ill. Resilient abrasive blanket. 2,178,728; Nov. 7.
Schneider, Henry W., and L. O. Mankin, Toledo, Ohio, assignors to Libbey Glass Company. Banding machine. 2,179,221; Nov. 7.
Schneider, Henry W., Toledo, Ohio, assignor to Libbey Glass Company. Apparatus for stenciling articles. 2,179,220; Nov. 7.
Schneider, Henry W., Toledo, Ohio, assignor to Libbey Glass Company. Stenciling apparatus. 2,179,222; Nov. 7.
Schneider, Wilhelm. (See Wilmanns, G., Schneider, and Bauer.)
Schneider, Wilhelm, Dessau, Anhalt, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Color film with sound record. 2,178,882; Nov. 7.
Schneider, Wilhelm, Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of multicolor photographs. 2,179,234; Nov. 7.
Schneider, Wilhelm, and A. Fröhlich, Dessau (Anhalt), Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Silver halide emulsion for color photography. 2,179,244; Nov. 7.
Schneider, Wilhelm, and M. Hagedorn, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic silver halide emulsion layers. 2,178,612; Nov. 7.
Scholtes, Albert J., Baltimore, Md. Hose coupling. 2,179,200; Nov. 7.
Schreiber, Oscar R., Los Angeles, Calif. Bumper for automobiles and the like vehicles. 2,179,431; Nov. 7.
Schroeder, John A., Dearborn, and C. F. Glaser, Detroit, Mich. Universal coupler. 2,179,432; Nov. 7.
Schuber, John, Syracuse, assignor to The Solvay Process Company, New York, N. Y. Bleaching wood pulp. 2,178,649; Nov. 7.
Schuessler, Walter E., Chicago, Ill. Knitted helmet. 2,178,941; Nov. 7.
Schuetze Clyde C., assignor to United States Gypsum Company, Chicago, Ill. Heat insulation. 2,179,057; Nov. 7.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,178,650; Nov. 7.
Schwinn, Frank W., Chicago, Ill. Pedal. 2,178,921; Nov. 7.
Scott, Carl W., Ferguson, Mo., assignor to Curtiss-Wright Corporation. Engine cowling. 2,178,998; Nov. 7.
Scott, David A., Forest Hill, and A. M. Fisher, assignors to The Governors of The University of Toronto, Toronto, Ontario, Canada. Therapeutic composition and making it. 2,179,384; Nov. 7.
Scott, Don O., assignor to Hydraulic Brake Company, Detroit, Mich. Reservoir for fluid pressure systems. 2,179,201; Nov. 7.
Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Pump. 2,179,354; Nov. 7.
Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Coupling. 2,179,355; Nov. 7.
Scott, Robert N., Digboi, Assam, assignor of one-half to R. Harcus, Yenangyaung, Upper Burma, British India. Tripping and setting tools. 2,178,999; Nov. 7.
Scott, Walter L., and L. H. Foster, New Orleans, La. Flexible sheet cellulose cigar and cigarette tip. 2,178,942; Nov. 7.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Seasholtz, John M., assignor to J. M. Seasholtz & Sons, Inc., Reading, Pa. Yarn guiding, conditioning, and tensioning device. 2,179,276; Nov. 7.
Seasholtz, J. M., & Sons, Inc. (See Seasholtz, John M., assignor.)
Seeck, Ferdinand W., Lebanon, Oreg. Differential mechanism. 2,178,613; Nov. 7.
Seigle, William, Hinton, Okla. Arch support. 2,178,651; Nov. 7.
Serrurier, Iwan, Los Angeles, Calif. Multiple film rewinder. 2,178,673; Nov. 7.
Servel, Inc. (See Ploeger, Clyde E., assignor.)
Servel, Inc. (See Shuart, Arthur C., assignor.)
Servigne, Marcel, assignor to Societe pour l'Etude & l'Exploitation des Matieres Luminescentes, Paris, France. Inorganic luminous material. 2,179,134; Nov. 7.
Severy, Victor H., Glendale, Calif. Musical instrument. 2,178,706; Nov. 7.
Shaffer, Guy J., Palo Alto, Calif. Trowel. 2,178,899; Nov. 7.
Shaler, William T., Silver Creek, N. Y. Mechano-vibratory apparatus. 2,178,813; Nov. 7.
Sharp & Dohme, Incorporated. (See Read, Roland R., assignor.)
Sharpe Manufacturing Company. (See Hulse, Arthur F., assignor.)
Shawinigan Chemicals Limited. (See Morrison, G. O., and Price, assignors.)
Sherman, Thomas L., Buffalo, assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless mechanism. 2,178,972; Nov. 7.
Sheuer, Ralph I., Two Rivers, Wis. Dustpan. 2,179,135; Nov. 7.
Shields, Edward J., Watertown, assignor to Hall-Gregg, Inc., Somerville, Mass. Panel. 2,178,729; Nov. 1.
Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Display box. 2,178,652; Nov. 7.
Shimps, Joseph, Jr., Coral, Pa., assignor of one-fourth to E. H. Worsham, Washington, D. C. Soldering iron. 2,178,814; Nov. 7.
Shoemaker, James M., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Tank filler spout cap. 2,179,136; Nov. 7.
Shoenberg, Isaac, London, G. E. Condliffe, Buckinghamshire, and W. F. Tedham, Abbey Wood, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Cathode ray tube. 2,178,973; Nov. 7.
Shontz, Curtis G. (See Frischman, T. A., and Shontz.)
Shuart, Arthur C., Rockford, Ill., assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,178,815; Nov. 7.
Sibley, Barrett E., assignor to Continental Oil Company, Ponca City, Okla. Grease-dispensing device. 2,178,816; Nov. 7.
Sides, Hilliard M., Greenville, S. C. Cloth bale. 2,179,303; Nov. 7.
Sidney, Watson, Millburn, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Current impulse generating circuit. 2,179,105; Nov. 7.
Siedle, Arnold D., Canton, assignor to The Hoover Company, North Canton, Ohio. Absorber for refrigerating systems. 2,178,883; Nov. 7.
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Fischel, E., and Thiry, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Poleck, Hans, assignor.)
Siemund, Herman, assignor to Greenview Manufacturing Company, Chicago, Ill. Squeegee cleaning tool. 2,179,223; Nov. 7.
Sifers, Otey K., and J. G. Starr, Beckley, W. Va. Safety lock for chain type coal cutting machines. 2,179,433; Nov. 7.
Sifkovitz, George, assignor to The George Valve Company, Saegerstown, Pa. Valve. 2,179,165; Nov. 7.
Silverstein, Henry, Brooklyn, N. Y. Method and apparatus for regulating charge for internal combustion engines. 2,179,235; Nov. 7.
Simon, Joseph, assignor of one-half to D. Hewitt, Chicago, Ill. Explosive. 2,179,434; Nov. 7.
Simonds Worden White Co. (See Hassler, John E., assignor.)
Simons, Aaron, New York, N. Y. Method and apparatus for drawing strips. 2,178,674; Nov. 7.
Simpson, Albert W., Dormont, Pa., assignor to National Tube Company. Pipe joint seal. 2,179,202; Nov. 7.
Singer, Joseph, assignor to L. H. Kalow, New York, N. Y. Switch. 2,179,385; Nov. 7.

Sivertsen, Jens, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Variable inductance device. 2,179,058; Nov. 7.

Skvortzoff, Alexander A., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bushing. 2,179,356; Nov. 7.

Slade, Benjamin, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Building-out unit. 2,178,653; Nov. 7.

Slagh, Harold R., assignor to The Dow Chemical Company, Midland, Mich. Dehydration of allyl alcohol. 2,179,059; Nov. 7.

Slayter, Games, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Air filter. 2,178,614; Nov. 7.

Slocum, Rodney K., Pelham Manor, N. Y. Apparatus for producing a package. 2,179,024; Nov. 7.

Slusser, Harry R., assignor to The Timken Roller Bearing Company, Canton, Ohio. Double row roller bearing. 2,178,843; Nov. 7.

Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Interior paneling and erecting the same. 2,178,817; Nov. 7.

Smith, Clarence C. (See Rubel, C. F., and Smith.)

Smith, George H., Kenmore, N. Y., and W. J. Jacobsson, Scotch Plains, N. J., assignors to The Linde Air Products Company. Pressure regulating and reducing apparatus. 2,178,974; Nov. 7.

Smith, Herschel G., Swarthmore, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of lubricating compositions. 2,179,060; Nov. 7.

Smith, Herschel G., Swarthmore, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of lubricating compositions. 2,179,061; Nov. 7.

Smith, Herschel G., Wallingford, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of sulphurized mono-esters of fatty acids. 2,179,065; Nov. 7.

Smith, Herschel G., Wallingford, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of sulphurized sperm oil. 2,179,066; Nov. 7.

Smith, Herschel G., Wallingford, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Lubricant. 2,179,067; Nov. 7.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of sulpho-balogenated monoesters and improved lubricants containing same. 2,179,062; Nov. 7.

Smith, Herschel G., Swarthmore, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Making sulphurized sperm oils and the like. 2,179,063; Nov. 7.

Smith, Herschel G., Swarthmore, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Refining of oil compositions, containing sulphurized fatty esters. 2,179,064; Nov. 7.

Smith, John W., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Web feeding and conditioning device. 2,178,922; Nov. 7.

Smith, Paul H., Brockton, Mass. Nail clipper. 2,179,435; Nov. 7.

Smith, Roger. (See Cashion, M. L., and Smith.)

Smith, T. L., Company. (See Rybeck, Adolph W., assignor.)

Smith, Walter E. (See Woods, W. P., and Smith.)

Smith, Walter E., Honolulu, Hawaii. Operating a centrifugal separator. 2,179,436; Nov. 7.

Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede structure. 2,178,707; Nov. 7.

Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede structure. 2,178,708; Nov. 7.

Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede structure. 2,178,709; Nov. 7.

Snelling, Henry H., et al. (See Read, David Y., assignor.)

Societe pour l'Etude & l'Exploitation des Matieres Luminescentes. (See Servigne, Marcel, assignor.)

Society of Chemical Industry in Basle. (See Graenacher, C., and Sallmann, assignors.)

Socolofsky, Arthur R., Chicago, Ill. Incandescent lamp. 2,179,437; Nov. 7.

Solvay Process Company, The. (See Schuber, John, assignor.)

Somerville, William E., Coal City, Ill. Closer for wire rope or stranding machines. 2,179,304; Nov. 7.

Sorensen, Andrew J. (See Place, W. P., and Sorensen.)

Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Electric heating and flow control of molten glass. 2,179,224; Nov. 7.

Soule, Edward C. (See Michalek, J. C., and Soule.)

Sowter, Percy F. C. (See Dickle, W. A., and Sowter.)

Spaeth, Charles, Flushing, N. Y. Electric lamp. 2,179,455; Nov. 7.

Spang, Joseph P., Quincy, Mass. Meat-slitting machine. 2,179,023; Nov. 7.

Specht, Christian H., Los Angeles, Calif. Canopy construction. 2,178,975; Nov. 7.

Speedtype, Inc. (See Pifer, George N., assignor.)

Speedway Manufacturing Company. (See Larocca, James, assignor.)

Speery Gyroscope Company. (See Carter, Leslie F., assignor.)

Sprague, Robert C., Williamstown, assignor to Sprague Specialties Co., North Adams, Mass. Variable condenser. 2,179,068; Nov. 7.

Sprague Specialties Company. (See Knab, M., and Danziger, assignors.)

Sprague Specialties Co. (See Sprague, Robert C., assignor.)

Sprague Specialties Co. (See Whitby, Harvie W., assignor.)

Standard Brands Incorporated. (See Freilich, J., and Frey, assignors.)

Standard Furniture Company. (See Rhodes, Ernest, assignor.)

Standard Gage Company. (See Emery, Alfred H., assignor.)

Standard Oil Company. (See Burk, R. E., and Whitacre, assignors.)

Standard Oil Development Company. (See Fasce, E. V., and Rolfs, assignors.)

Standard Oil Development Company. (See Gleason, Anthony H., assignor.)

Standard Oil Development Company. (See Rosen, R., and Thomas, assignors.)

Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)

Standard Railway Equipment Manufacturing Company. (See Crede, Charles E., assignor.)

Standish, John F., Winthrop, and L. S. Macdonald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening-inserting machine. 2,178,615; Nov. 7.

Standish, John F., Winthrop, and L. S. Macdonald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Clutch. 2,178,616; Nov. 7.

Starr, Charles E., deceased, by E. M. Starr, administratrix, Inglewood, Calif., assignor to Perfecto Gear Differential Co., Bellingham, Wash. Speed change axle and Oiling the same. 2,178,900; Nov. 7.

Starr, Eva M., administratrix. (See Starr, Charles E.)

Starr, Jacob G. (See Sifers, O. K., and Starr.)

Staude, Edwin G., Minneapolis, Minn. Power means for automotive accessory actuation. 2,179,236; Nov. 7.

Stava, Robert J., East Cleveland, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray apparatus. 2,179,337; Nov. 7.

Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Fruit treating machine. 2,179,474; Nov. 7.

Stein, Doris D., Cedar Rapids, Iowa. Carton. 2,178,730; Nov. 7.

Stein, Irving M., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method of and apparatus for determining characteristics of dielectrics. 2,178,617; Nov. 7.

Stein, Leo, East Orange, N. J., and J. F. Walsh and H. C. Needle, Chicago, Ill.; said Walsh and said Needle assignors to American-Maize-Products Company. Manufacture of sirups. 2,179,203; Nov. 7.

Steinbacher, Karl, Portsmouth, Ohio. Tuyère. 2,178,654; Nov. 7.

Stephens-Adamson Mfg. Co. (See Kendall, Myron A., assignor.)

Stetson-Ross Machine Company. (See Nicholson, F. A., and Pritchard, assignors.)

Stevens, Sydney A., and L. E. Thompson, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Alternating current rectifier of the dry surface contact type. 2,179,137; Nov. 7.

Stevenson, Robert O. (See Myers, J. W., and Stevenson.)

Stewart, Burry W., Tampa, Fla. Wire stretcher. 2,179,438; Nov. 7.

Stewart, William E., Hollidays Cove, W. Va. Automobile bed. 2,178,923; Nov. 7.

Stibitz, George R., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tone generator. 2,179,237; Nov. 7.

Stickley, Leopold, Fayetteville, N. Y. Furniture construction. 2,179,138; Nov. 7.

Stickney, Fernald S., Verona, and H. L. Bernarde, Union, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Adjustable magnetic shunt for measuring instruments. 2,179,305; Nov. 7.

Still, Aldrich C. (See Still, Cuthbert A. and (L. M., assignor).

Still, Cuthbert A. and L. M.; L. M. Still assignor to A. C. Still, Alta Loma, Tex. Paraffin cleaner for oil wells. 2,179,475; Nov. 7.

Still, Lawrence M. (See Still, Cuthbert A. and L. M.)

Stix, Robert, Vienna, Austria, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alternating-current commutator motor. 2,179,358; Nov. 7.

Stocker, Closman P., Lorain, Ohio, assignor of one-half to E. M. Heavens. Frequency changing system. 2,179,386; Nov. 7.

Stoll, Arthur, and J. Renz, assignors to the firm: Chemical Works formerly Sandoz, Basel, Switzerland. Strophanthus glucoside and its manufacture 2,179,204; Nov. 7.

Strandt, Gustav E., Milwaukee, Wis. Support for fishing rods and poles. 2,178,655; Nov. 7.

Stricklen, John R., Akron, Ohio, and E. B. Foote, assignors to Taylor Instrument Companies, Rochester, N. Y. Apparatus for controlling industrial processes. 2,179,166; Nov. 7.

Strosk, Mark, Washington, D. C. Oil burner. 2,179,139; Nov. 7.

Sturken, Oswald, Closter, N. J., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Protein plastic. 2,178,924; Nov. 7.

Sullivan, Francis W. (See Turner, R. R., and Sullivan.)

Sullivan, Warren L., assignor to Paragon Revolute Corporation, Rochester, N. Y. Combined blue print machine and drier. 2,179,026; Nov. 7.

Sullivan, Woodruff T., Norwich, Conn. Selvage forming device. 2,179,069; Nov. 7.

Super Diesel Tractor Corporation. (See Scott, Philip L., assignor.)

Surgident, Ltd. (See Harrison, Laurence E., assignor.)

Sussman, Paul. (See Enriquez, A. D., and Sussman.)

Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)

Swan, Harold A., Coronado, Calif. Abrading and blackboard cleaning machine. 2,178,865; Nov. 7.

Swanson, Carl O., Minneapolis, Minn. Necktie. 2,179,306; Nov. 7.

Swenson, Paul W., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic switching device. 2,178,656; Nov. 7.

Sywert, Philip T., Wesleyville, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,179,307; Nov. 7.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,179,387; Nov. 7.

Taglialue, Charles J., Mfg. Co. (See Erbguth, Paul F. K., assignor.)

Tallaferro, William R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arc back protection. 2,179,308; Nov. 7.

Talmage, John H. (See Unger, P. O., and Talmage.)

Taylor, Charles C., Manhasset, N. Y., and S. B. Wright, South Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secrecy signaling system. 2,179,106; Nov. 7.

Taylor, Harry R., assignor of one-half to B. V. Bridgewater, Portland, Oreg. Stocking protector. 2,179,027; Nov. 7.

Taylor Instrument Companies. (See Stricklen, J. R., and Foote, assignors.)

Taylor, William, deceased (by R. V. Rodwell, executor), and E. A. Cooke, assignors to Kapella Limited, Leicester, England. Engraving machine or the like. 2,179,388; Nov. 7.

Taylor, William E., East Orange, assignor to American Can Company, New York, N. Y. Container. 2,178,618; Nov. 7.

Tea, Peter L., Yonkers, N. Y. Area measuring device. 2,179,000; Nov. 7.

Tear, Harry R. (See Dodge, A. Y., and Tear.)

Tedham, William F. (See Shoenberg, I., Condliffe, and Tedham.)

Te Pas, Coletta A., administratrix. (See Te Pas, Edmund J.)

Te Pas, Edmund J., deceased, Euclid, Ohio; C. A. Te Pas, administratrix. Shaving device. 2,178,976; Nov. 7.

Terauchi, Seichi, Lanai City, Hawaii. Rotary brush. 2,178,943; Nov. 7.

Ter Horst, William P., Lakewood, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preserving rubber. 2,178,545; Nov. 7.

Ternstedt Manufacturing Company. (See Greif, Alfred S., assignor.)

Ternstedt Manufacturing Company. (See Rhein, Lloyd R., assignor.)

Texas Company, The. (See Hill, George and A. G., Baker, Mitchum, and Harper, assignors.)

Texas Company, The. (See Kuhn, Wayne E., assignor.)

Thaeler, Albert H., et al. (See Cox, T. V., and Neale, assignors.)

Thebaud, John E. (See Ruff, P., and Thebaud.)

Theobald, Edgar L., Oakland, Calif. Pencil sharpener. 2,179,140; Nov. 7.

Thiry, Johannes. (See Fischel, E., and Thiry.)

Thomas, Flossie G., et al. (See York, Marvin D., assignor.)

Thomas, James A., Berkeley, assignor to Esotoo Fumigation Co. Ltd., San Francisco, Calif. Treating vegetables. 2,178,675; Nov. 7.

Thomas, John V., Altadena, assignor to Natural Gas Equipment Inc., Los Angeles, Calif. Liquid level control system. 2,178,866; Nov. 7.

Thomas, Norman M., Pelham, assignor to Joe Lowe Corporation, New York, N. Y. Making multiflavored or composite frozen confections. 2,179,225; Nov. 7.

Thomas, Reual O., et al. (See York, Marvin D., assignor.)

Thomas, Robert M. (See Rosen, R., and Thomas.)

Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Filling machine. 2,178,884; Nov. 7.

Thompson, James D., Eureka, Calif. Choke control. 2,179,141; Nov. 7.

Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. Modulated carrier wave receiving system. 2,179,277; Nov. 7.

Thompson, Leslie E. (See Stevens, S. A., and Thompson.)

Thompson, Norman B. (See Heimbach, C. H., and Thompson.)

Thompson Products, Incorporated. (See Hufferd, George H., assignor.)

Thorason, Matthew T., East Williston Park, Long Island, and A. C. Holt, assignors to International Business Machines Corporation, New York, N. Y. Automatic scale. 2,178,765; Nov. 7.

Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Continuous recovery of glycerin from soap. 2,179,001; Nov. 7.

Tilden, Bert O., Trenton, N. J. Close connected water closet combination. 2,179,309; Nov. 7.

Timken-Detroit Axle Company, The. (See Dames, Albert C., assignor.)

Timken Roller Bearing Company, The. (See Slusser, Harry R., assignor.)

Timm, Philip, Utica, Minn. Flange clamp for conduits. 2,178,819; Nov. 7.

Tipsord, Melvin T. (See De Right, E. J., and Tipsord.)

Todoroff, Michael, Johnstown, Pa. Cigarette. 2,178,820; Nov. 7.

Toepfer, Adolph H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,179,310; Nov. 7.

Tolson, William A., Westmont, N. J., assignor to Radio Corporation of America. Television apparatus. 2,178,766; Nov. 7.

Tomlinson, George H., Westmount, Quebec, Canada, and L. S. Wilcoxson, Ridgewood; said Wilcoxson assignor of his right to The Babcock & Wilcox Company, Newark, N. J. Method of and apparatus for treating pulp residual liquor. 2,179,456; Nov. 7.

Topham, Charles F. (See Ellis, G. H., and Topham.)

Tosterud, Martin, Arnold, Pa., assignor, by mesne assignments, to Magnesium Development Corporation. Surface treatment of magnesium and magnesium base alloys. 2,178,977; Nov. 7.

Toulon, Pierre M. G., Puteaux, France. Television receiving apparatus. 2,179,205; Nov. 7.

Transit Research Corporation. (See Piron, Emil H., assignor.)

Travnicek, Frank, East St. Louis, Ill. Speed reducing mechanism. 2,178,657; Nov. 7.

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trico Products Corporation. (See Paulus, William, assignor.)

Trow, Thomas F., Minneapolis, Minn. Hitch. 2,179,439; Nov. 7.

Troxel Manufacturing Company, The. (See Brandt, John W., assignor.)

Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf binder. 2,178,546; Nov. 7.

Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)

Turner, Ralph R., Warwick, and F. W. Sullivan, Cranston, R. I., assignors to United Wire & Supply Corporation. Coiling apparatus. 2,179,389; Nov. 7.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread tension unit for shuttles. 2,179,359; Nov. 7.

Turner, William G., Brooklyn, N. Y. Tooth filling. 2,178,821; Nov. 7.

Turnham, Fred B., Long Lake, Minn. Reversible disk excavating machine. 2,178,731; Nov. 7.

Turpan, James, Paterson, N. J. Inseam measuring apparatus. 2,178,658; Nov. 7.

Uemura, Taiji, Kinuta-Mura, Kita-Tama-Gun, Tokyo-fu, Japan. Automatically and continuously working phonegraph. 2,178,978; Nov. 7.

Underwood Electric & Mfg. Co. Inc. (See Johnson, Lawrence C., assignor.)

Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)

Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)

Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)

Unger, Paul O., Elmhurst, and J. H. Talmage, assignors to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,178,767; Nov. 7.

Union Bag & Paper Corporation. (See Avery, True M., assignor.)

Union Carbide and Carbon Research Laboratories, Inc. (See Erasmus, Hendrik D., assignor.)

Union City Body Company. (See Bromagem, Irl R., assignor.)

Union Special Machine Company. (See Rubel, Charles F., assignor.)

Union Special Machine Company. (See Rubel, C. F., and Smith, assignors.)

Union Switch & Signal Company, The. (See Agnew, Norman F.)

Union Switch & Signal Company, The. (See Place, W. P., and Sorensen, assignors.)

Union Switch & Signal Company, The. (See Stevens, S. A., and Thompson, assignors.)

Union Switch & Signal Company, The. (See Young, Henry S., assignor.)

United Aircraft Corporation. (See Shoemaker, James M., assignor.)

United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)

United Shoe Machinery Corporation. (See Eppler, Andrew, Jr., assignor.)
United Shoe Machinery Corporation. (See Exley, Leo F., assignor.)
United Shoe Machinery Corporation. (See Ricks, F., and Pratt, assignors.)
United Shoe Machinery Corporation. (See Standish, J. F., and Macdonald, assignors.)
United Specialties Company. (See Hallerburg, Theodore W., assignor.)
United States Gypsum Company. (See Schuetz, Clyde C., assignor.)
United States Rubber Company. (See Gibbons, Willis A., assignor.)
United States Rubber Company. (See Joss, Ernest J., assignor.)
United Wire & Supply Corporation. (See Turner, R. R., and Sullivan, assignors.)
Universal Engine & Propeller Company. (See McCollough, James H., assignor.)
Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Universal Oil Products Company. (See Grosse, Aristid V., assignor.)
Universal Oil Products Company. (See Ipatieff, Vladimir, assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Morrell, J. C., and Grosse, assignors.)
Upton, Clarence G., and P. B. Barnett, Freer; said Upton assignor to J. P. Muller, Fort Worth, Tex. Pump. 2,178,822; Nov. 7.
Urton, William C., assignor of one-half to Roswell Motor Supply Company, Roswell, N. Mex. Liquid dispenser. 2,179,390; Nov. 7.
Valiquette, William L., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Demountable blade. 2,178,710; Nov. 7.
Vanderbilt, R. T., Company. (See Alton, William H., assignor.)
Vasta, Joseph, New York, N. Y. Clutch mounting. 2,179,360; Nov. 7.
Velin, Bert G., G. E., and M. H., Maple, Wis. Toothpick dispenser. 2,178,944; Nov. 7.
Velin, Gosta E. (See Velin, Bert G., G. E., and M. H.)
Velin, Marcus H. (See Velin, Bert G., G. E., and M. H.)
Vey, Kurt, Brooklyn, N. Y. Wash line coupling. 2,179,107; Nov. 1.
Victor, Arthur P., assignor of one-half to H. E. Victor, Minneapolis, Minn. Tubular boiler. 2,178,619; Nov. 7.
Victor, Herman E. (See Victor, Arthur P., assignor.)
Vignos, James C., assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio. Making steel. 2,179,167; Nov. 7.
Von Braunmühl, Hans J., Berlin-Ruhleben, and W. Weber, Berlin-Charlottenburg, Germany. Condenser microphone. 2,179,361; Nov. 7.
Von Hofe, George W., Bound Brook, and C. A. Claus, Short Hills, assignors to New Jersey Machine Corporation, Hoboken, N. J. Labeling. 2,178,979; Nov. 7.
Von Pein, Edward J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Autograph time recorder. 2,178,768; Nov. 7.
Voorhies, Carl, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Internal combustion engine. 2,178,732; Nov. 7.
Voss, Julius, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Manufacture of salts of cellulose ether carboxylic acids. 2,179,457; Nov. 7.
Vreeland, Charles H., assignor, by mesne assignments, to Ken-Jon Inc., Orlando, Fla. Apparatus for treating fruit and the like. 2,179,459; Nov. 7.
Wachsman, Michael, Brooklyn, N. Y. Circuit closer for knitting machines. 2,178,980; Nov. 7.
Wachsman, Michael, Brooklyn, N. Y. Combined stop motion and tensioning device. 2,178,981; Nov. 7.
Wachsman, Michael, Brooklyn, N. Y. Stop mechanism for knitting machines. 2,178,982; Nov. 7.
Wacker, Dr. Alexander, Gesellschaft für Electrochemische Industrie, G. m. b. H. (See Basel, G., and Schaeffer, assignors.)
Wagner, Edward E. (See Mikes, John J., assignor.)
Wagner, Henry J., Jackson, Mo. Electrode holder. 2,179,440; Nov. 7.
Wagner, Robert H., Burlingame, Calif., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Guiding means for doors. 2,179,362; Nov. 7.
Waldeck, William F. (See Muskat, I. E., and Waldeck.)
Waides Koh-I-Noor, Inc. (See Brozek, Joseph, assignor.)
Walker, Harry S. (See Zaisser, William, assignor.)
Walsh, James F. (See Stein, L., Walsh, and Needle.)
Walton, Jesse S. (See Gray, J. W., and Walton.)
Ward, Charles W., Los Angeles, Calif. Transom controller. 2,179,206; Nov. 7.
Ward Leonard Electric Company. (See Ganci, Charles J., assignor.)
Washington, George, Jr., Morristown, N. J. Method and means for reproducing pictures. 2,179,002; Nov. 7.
Watts, Donald E., Schenectady, N. Y., assignor to General Electric Company. Control means for transmitters. 2,179,363; Nov. 7.
Waversack, Joseph S., Westfield, Mass. Shoe construction. 2,179,391; Nov. 7.
Webb, Cyril P. (See Webb, Purcell T. and C. P.)
Webb, Hartwell W., Flint, assignor to General Motors Corporation, Detroit, Mich. Mica cigarette winding machine. 2,178,733; Nov. 7.
Webb, Purcell T. and C. P., Ashburton, Australia. Door latch and catch. 2,179,441; Nov. 7.
Weber, Ernst, Mount Vernon, N. Y., assignor to The Power Transmission Company, Incorporated. Power control system. 2,179,364; Nov. 7.
Weber, Walter. (See von Braunmühl, H. J., and Weber.)
Webster, John F., Costa Mesa, Calif. Combination relief valve and tester. 2,178,901; Nov. 7.
Weeldenburg, Johannes G. (See Polak, J. J., and Weeldenburg.)
Weidenmier, Carl H., Berlin Center, Ohio. Fishing lure. 2,179,018; Nov. 7.
Weis, John P., Nyack, N. Y., and F. F. Zeier, Bridgeport, Conn., assignors to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine. 2,179,392; Nov. 7.
Weise, George, New York, N. Y. Collapsible tow bar. 2,179,070; Nov. 7.
Wendt, Bruno. (See Eggert, J., Froehlich, and Wendt.)
Werner, Ignacy, Buffalo, N. Y. Die holder for nail making dies. 2,178,711; Nov. 7.
Werner, Otto. (See Schmutz, O., and Werner.)
Westberg, Harry, assignor to Borg-Warner Corporation, Chicago, Ill. Nozzle for arc-welding machine. 2,179,108; Nov. 7.
Westfalia-Dinnendahl Gröppel A.-G. (See Wölz, Josef, assignor.)
Westinghouse Electric Elevator Company. (See Wagner, Robert H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brecht, Winston A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, John L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Deeg, Theodor, assignor.)
Westinghouse Electric & Manufacturing Company. (See Diamond, Hymen, assignor.)
Westinghouse Electric & Manufacturing Company. (See Gates, Henry S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hancock, Myron S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hein, Carl C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnson, Frederick B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Keyes, John J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Leukert, Wilhelm, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mudgett, Guernsey F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mueller, Erich O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Murcek, Slavo J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parsons, J. S., and Harrison, assignors.)
Westinghouse Electric & Manufacturing Company. (See Penney, Gaylord W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pennow, Willis A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reid, Thomas A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sateren, Martin G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmutz, O., and Werner, assignors.)
Westinghouse Electric & Manufacturing Company. (See Skvortzoff, Alexander A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stickney, F. S., and Bernarde, assignors.)
Westinghouse Electric & Manufacturing Company. (See Stix, Robert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Taliaferro, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Toepfer, Adolph H., assignor.)
Weston Electrical Instrument Corporation. (See Miller, John H., assignor.)
Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Storage battery for hearing-aids. 2,179,393; Nov. 7.
Wheeler, Donald P., assignor to American Coating Mills, Inc., Elkhart, Ind. Carrier and display device. 2,179,109; Nov. 7.
Whitacre, Charles H. (See Burk, R. E., and Whitacre.)
Whitby, Harvie W., Dayton, Ohio, assignor to Sprague Specialties Co., North Adams, Mass. Capacitor motor and circuit arrangement therefor. 2,178,945; Nov. 7.
White, Eli, assignor of one-tenth to O. Milbrand, Detroit, Mich. Glow plug for internal combustion engines. 2,178,659; Nov. 7.

White, Fitzhugh L., South Norfolk, Va. Valve. 2,179,460; Nov. 7.
White, Richard J., assignor to American Can Company, New York, N. Y. Container. 2,178,620; Nov. 7.
Whitehurst, George W., Portsmouth, Va. Safety control and oil leveling valve structure. 2,179,207; Nov. 7.
Whitin Machine Works. (See Desrosiers, Lionel, assignor.)
Whitin Machine Works. (See Helland, Sigurd H., assignor.)
Whiting Corporation. (See Christie, Hugh K., assignor.)
Whiting Corporation. (See Holmes, Louis D., assignor.)
Whitney, Maurice P., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Variable-speed transmission. 2,178,712; Nov. 7.
Wide World Photos, Inc. (See Cooley, Austin G., assignor.)
Widell, Emil G., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cathode for electron discharge devices. 2,179,110; Nov. 7.
Wiedmann, Ernst, assignor to The Oilgear Company, Milwaukee, Wis. Control for hydrodynamic machines. 2,179,071; Nov. 7.
Wiegand, Edwin L., Pittsburgh, Pa. Heating means. 2,178,823; Nov. 7.
Wienert, Fritz, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Production of magnesium hydroxide. 2,178,983; Nov. 7.
Wiezevich, Peter J., Elizabeth, N. J., now by judicial change of name to P. J. Gaylor, assignor to Standard Oil Development Company. Voltolization of mineral oils and products thereof. 2,178,769; Nov. 7.
Wilburn, Frank. (See de Witt, H., and Wilburn.)
Wilcoxson, Leslie S. (See Tomlinson, G. H., and Wilcoxon.)
Willcox & Gibbs Sewing Machine Company. (See Weis, J. P., and Zeier, assignors.)
Willetts, Joseph E., Pittsburgh, Pa. Construction unit. 2,179,019; Nov. 7.
Williams, Harold E., Carthage, Mo. Antenna. 2,179,365; Nov. 7.
Williams, Ormsby P., Huntington Park, Calif. Adjustable gas valve. 2,178,676; Nov. 7.
Williams, Ormsby P., Huntington Park, Calif. Carburetor. 2,178,677; Nov. 7.
Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Electric valve converting system. 2,179,366; Nov. 7.
Wilmanns, Gustav, Wolfen, Kreis Bitterfeld, and W. Schneider and E. Bauer, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of polychrome pictures. 2,179,238; Nov. 7.
Wilmanns, Gustav, Wolfen, Kreis Bitterfeld, W. Schneider, Dessau, and E. Bauer, Hersbruck Mfr., Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 2,179,239; Nov. 7.
Wilmington Trust Co., executor. (See Carothers, W. H., and Collins.)
Wilson, Clarence W., Norco, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Quenching steel and other alloys. 2,178,925; Nov. 7.
Wilson-Jones Company. (See Unger, P. O., and Talmage, assignors.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Endres, Herbert A., assignor.)
Wingfoot Corporation. (See ter Horst, William P., assignor.)
Winsor & Jerauld Manufacturing Company. (See MacKnight, Harry A., assignor.)
Wölz, Josef, assignor to Westfalia-Dinnendahl-Gröppel A.-G., Bochum, Germany. Sifter or conveyer device. 2,179,442; Nov. 7.
Wood Conversion Company. (See Frost, Orcutt W., assignor.)
Wood, James R., Shelton, Conn., and C. W. Harrold, University Heights, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio. Sheet detector. 2,178,713; Nov. 7.
Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Lithographic plate and making same. 2,179,245; Nov. 7.
Woods, Warren P., and W. E. Smith, Vienna, Ill. Wheel mounting for automobiles. 2,178,734; Nov. 7.
Worsham, E. H. (See Shimps, Joseph, Jr., assignor.)
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wright Aeronautical Corporation. (See Chilton, Roland, and A., assignors.)
Wright Aeronautical Corporation. (See Gagg, Rudolph F., assignor.)
Wright Aeronautical Corporation. (See Hill, Henry C., assignor.)
Wright, Martha H. (See Creighton, T. A., and McMahan, assignors.)
Wright, Sumner B. (See Taylor, C. C., and Wright.)
Wulff, Lee, New York, N. Y. Tailer. 2,179,394; Nov. 7.
Wurlitzer, Rudolph, Company, The. (See Cloer, Hobson J., assignor.)
Wurlitzer, Rudolph, Company, The. (See Dixon, Leo J., assignor.)
Wurtele, Allan R., Mix, La. Internal combustion engine. 2,179,278; Nov. 7.
Yerrick, Harry A., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Hanger structure for gliders. 2,179,395; Nov. 7.
Yoder, Carl M., Lakewood, Ohio. Operating on sheet material. 2,179,461; Nov. 7.
York, Marvin D., assignor of one-half to R. O. and F. G. Thomas, Marlow, Ky. Radio clock. 2,178,946; Nov. 7.
Young, Arthur J., London, England, assignor to Radio Corporation of America. Cathode ray tube circuit. 2,179,111; Nov. 7.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,179,462; Nov. 7.
Zabel, William P., Cleveland Heights, Ohio, assignor to General Electric Company. Method and apparatus for treating filaments. 2,179,367; Nov. 7.
Zaisser, William, Woodside, assignor of one-half to H. S. Walker, New York, N. Y. Pulverulent dry compound for forming paints, plastics, and cements. 2,178,770; Nov. 7.
Zeier, Frederick F. (See Weis, J. P., and Zeier.)
Zimmerman, Jessie M., Goldenbridge, N. Y. Interlock 2,178,984; Nov. 7.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Heat exchanger. C. E. Lucke. Re. 21,257; Nov. 7.
Hose. R. Taylor. Re. 21,258; Nov. 7.

Nozzle for vacuum cleaners. C. A. Brock. Re. 21,256; Nov. 7.

LIST OF DESIGN INVENTIONS

Alphabet button or similar article. C. Bickner. 117,443; Nov. 7.
Automobile. E. C. De Smet. 117,493; Nov. 7.
Belt or similar article. M. Marcus. 117,523; Nov. 7.
Bottle. O. S. Parker. 117,500; Nov. 7.
Bottle, Vacuum. C. Bramming. 117,466; Nov. 7.
Bracket, Sign supporting. L. J. Schneider. 117,501; Nov. 7.
Bumper, Motor vehicle. A. W. Schonberg. 117,505; Nov. 7.
Cabinet, Refrigerator. R. E. Kruck. 117,452; Nov. 7.
Cabinet, Teleprinter. V. Weidner. 117,535–6; Nov. 7.
Calendar reminder, Illuminated anniversary. J. S. Miller. 117,526; Nov. 7.
Cap. D. F. Cronkhite. 117,515; Nov. 7.
Case, Display. H. P. Vaughn. 117,463; Nov. 7.
Case for range timers. F. Lux and W. A. Hersey. 117,497; Nov. 7.
Case, Hand luggage. W. C. Chesnut. 117,467; Nov. 7.
Case, Merchandise display. J. Trojan. 117,489; Nov. 7.
Case or similar article, Vanity. J. Rich. 117,485; Nov. 7.
Casing for a woodworking machine. H. E. Tautz. 117,460; Nov. 7.
Coat. A. Rosenzweig. 117,532; Nov. 7.
Confection. G. T. Parr. 117,455–6; Nov. 7.
Container or the like, Edible ice cream. H. L. Sappington. 117,458; Nov. 7.
Coupler fitting, Trailer. J. L. Gilmore. 117,509; Nov. 7.
Coupling, Pipe. G. L. Busian. 117,444; Nov. 7.
Crucifix. J. B. Garvey. 117,450; Nov. 7.
Dish and brackets, Combination soap. R. S. Sanford. 117,487; Nov. 7.
Dish, Casserole. C. Kaiser. 117,508; Nov. 7.
Dispenser for cigarettes or cigars. W. L. Buszkiewicz. 117,491; Nov. 7.
Door pull. W. F. Vernon. 117,464; Nov. 7.
Dress. S. Aronoff. 117,465; Nov. 7.
Dress. P. Corday. 117,514; Nov. 7.
Dress. M. Croizat. 117,516–17; Nov. 7.
Dress. A. Engel. 117,470; Nov. 7.
Dress. P. Fracchia. 117,510–11; Nov. 7.
Dress. P. Fracchia. 117,520; Nov. 7.
Dress. P. Fracchia. 117,531; Nov. 7.
Dress. S. E. Frontman. 117,537; Nov. 7.
Dress. L. L. Kashine. 117,538; Nov. 7.
Dress. M. Korshak. 117,539–40; Nov. 7.
Dress. M. Michelson. 117,525; Nov. 7.
Dress. S. Novak. 117,527; Nov. 7.
Dress. D. W. Price. 117,528–9; Nov. 7.
Dress. H. Roher. 117,512; Nov. 7.
Dress. F. L. Rose. 117,542; Nov. 7.
Dress. K. Rost. 117,543–4; Nov. 7.
Dress ensemble. A. Maidman. 117,541; Nov. 7.
Dress ensemble. C. Mascitelli. 117,480; Nov. 7.
Dress ensemble. M. Mascitelli. 117,481; Nov. 7.
Dress ensemble. H. Shull. 117,488; Nov. 7.
Dress ensemble. H. Shull. 117,503; Nov. 7.
Fabric or similar article, Embroidered textile. E. W. Freudenberg. 117,472; Nov. 7.
Fabric, Textile. C. E. Forsmann. 117,546–7; Nov. 7.
Fabric, Textile. M. Mey. 117,453; Nov. 7.
Fabric, Textile. E. Rothenberg. 117,486; Nov. 7.
Fabric, Woven elastic textile. J. J. Feldman. 117,548; Nov. 7.
Floor covering or the like. W. Allen. 117,441; Nov. 7.
Glider. B. Johnson. 117,440; Nov. 7.
Globe for lighting fixtures. G. A. Gustafson. 117,475; Nov. 7.
Grenade and support, Combination fire. P. Evans. 117,471; Nov. 7.
Grille unit, Automobile. R. Cadwallader. 117,492; Nov. 7.
Handbag. J. Michel. 117,524; Nov. 7.
Handkerchief. M. J. Rosen. 117,519; Nov. 7.
Handkerchief. M. J. Rosen. 117,530; Nov. 7.
Hat. I. B. Simon. 117,534; Nov. 7.
Hat. I. B. Simon. 117,545; Nov. 7.
Heater. C. E. Meyerhoefer. 117,498–9; Nov. 7.
Holder, Card. S. H. Campbell and F. H. Pietzsch. 117,447; Nov. 7.
Holder or similar article, Cravat. C. R. Tost. 117,507; Nov. 7.
House or the like, Bird. M. Mustarkes. 117,482; Nov. 7.
Housing for bathtub fittings. J. C. Hermann. 117,476; Nov. 7.
Humidifier, Radiator. W. Fader. 117,494; Nov. 7.
Ice cream cone. B. W. Devereux. 117,449; Nov. 7.
Jacket. L. Scharf. 117,459; Nov. 7.
Jacket and blanket, Combined infant's. B. B. Friedman. 117,521; Nov. 7.
Lamp base. H. A. Perlmutter. 117,484; Nov. 7.
Lamp, Bed. J. O. Grode. 117,474; Nov. 7.
Lamp, Casket illuminating. W. M. Parker, Sr. 117,483; Nov. 7.
Lamp, Electric bed. J. O. Grode. 117,473; Nov. 7.
Medal, Prayer. G. B. Hovey. 117,451; Nov. 7.
Oilcloth or similar article. C. F. Scholle. 117,502; Nov. 7.
Plate for a combined radio dial and control panel or the like, Escutcheon. Le R. J. Leishman. 117,522; Nov. 7.
Plate, Service. R. G. Keenan. 117,478; Nov. 7.
Punch and pouring spout, Combined can. J. D. Julius. 117,506; Nov. 7.
Radio set or the like, Automobile. G. W. Bill. 117,490; Nov. 7.
Reflector. J. B. Linstrom. 117,479; Nov. 7.
Ring. N. Heyman. 117,495; Nov. 7.
Rug or similar article. G. V. Uihlein. 117,462; Nov. 7.
Seat, Cycle saddle. H. E. Kalter. 117,477; Nov. 7.
Seat, Cycle saddle. H. E. Kalter. 117,496; Nov. 7.
Suit. J. A. Silverman. 117,533; Nov. 7.
Table or similar article. E. R. Butzner. 117,445–6; Nov. 7.
Tablecloth. B. Elfenbein. 117,468–9; Nov. 7.
Tablecloth. B. Elfenbein. 117,518; Nov. 7.
Tong or similar article, Photographic. W. E. Naylor. 117,454; Nov. 7.
Top gauge, and guide bars for woodworking machines, Combination. H. E. Tautz. 117,461; Nov. 7.
Torch, Cutting. E. H. Smith. 117,504; Nov. 7.
Vise. J. J. Connors. 117,448; Nov. 7.
Washing machine. H. W. Altorfer. 117,442; Nov. 7.
Washing machine, Portable. W. L. Pressey. 117,457; Nov. 7.
Wind charging unit. J. R. Albers. 117,513; Nov. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading and blackboard cleaning machine. H. A. Swan. 2,178,865; Nov. 7.
Abrasive blanket, Resilient. C. B. Schneible. 2,178,728; Nov. 7.
Absorber for refrigerating systems. C. C. Coons. 2,178,869; Nov. 7.
Absorber for refrigerating systems. A. D. Siedle. 2,178,883; Nov. 7.
Acetylene, Manufacture of. F. J. Metzger. 2,179,379; Nov. 7.
Acetylene, Production of. F. J. Metzger. 2,179,378; Nov. 7.
Acids and esters thereof, The dehydrogenation of hydroxy carboxylic. W. A. Lazier. 2,178,760; Nov. 7.
Adhesive composition. J. G. Little. 2,179,339; Nov. 7.
Adjustable printing die. J. W. Ogden. 2,179,269; Nov. 7.
Adjustable relief valve, Liquid pressure. H. Allen. 2,179,003; Nov. 7.
Adjustable seat. J. P. De Rose. 2,179,085; Nov. 7.
Adjustable support. T. A. McGregor. 2,179,129; Nov. 7.
Advertising device, Illuminated. J. A. Howenstine. 2,178,634; Nov. 7.
Aerial and the like. A. T. Mace. 2,179,415; Nov. 7.
Agitator. E. Pick. 2,179,271; Nov. 7.
Air, Apparatus for cleaning. T. W. Hallerberg. 2,179,229; Nov. 7.
Air brake. C. A. Campbell. 2,178,927; Nov. 7.
Air filter. G. Slayter. 2,178,614; Nov. 7.
Airplane propulsion. F. Lawrence. 2,178,725; Nov. 7.
Alcohol, Dehydration of allyl. H. R. Slagh. 2,179,059; Nov. 7.
Aldehydes, Catalytic formation of long-chain. W. A. Lazier. 2,178,761; Nov. 7.
Alkyl guaiacols. R. R. Read. 2,178,608; Nov. 7.
Alkyl hydroxy aromatic compounds. L. H. Flett. 2,178,571; Nov. 7.
Alkyl sulphates, Purification of. E. V. Fasce and E. C. Rolfs, Jr. 2,178,786; Nov. 7.
Alloy: *See*—
Copper alloy.
Magnesium alloy.
Magnesium base alloy.
Alternating current apparatus. J. S. Parsons and G. O. Harrison. 2,179,346; Nov. 7.
Alternating current induction motor, Reversible. J. Larocca. 2,178,691; Nov. 7.
Amines, Manufacture of para diazonium tertiary. W. M. Hinman and W. G. Hollmann. 2,178,585; Nov. 7.
Amino ketones and making. R. A. Jacobson. 2,179,215; Nov. 7.
Amplifier, Audio frequency. M. C. Jones. 2,179,260; Nov. 7.
Amplifier, Audio frequency. W. R. Koch. 2,179,263; Nov. 7.
Amplifier, Contrast. P. J. Konkle. 2,179,414; Nov. 7.
Amplifier, Direct current. D. G. C. Luck. 2,179,265; Nov. 7.
Amplifier for electrons. R. Barthelemy. 2,179,112; Nov. 7.
Amusement devices, Method and apparatus for animated. J. E. Cook. 2,179,084; Nov. 7.
Anchor, Stovepipe. E. C. Rosencranz. 2,179,055; Nov. 7.
Anhydrides by the use of ketene, Preparation of. A. H. Gleason. 2,178,752; Nov. 7.
Animal trap. W. S. Heath. 2,178,789; Nov. 7.
Antenna. H. E. Williams. 2,179,365; Nov. 7.
Antioxidants. A. M. Clifford. 2,178,536; Nov. 7.
Antirattling means for telescopically extensible members. A. T. Mace. 2,179,472; Nov. 7.
Antiskid device. W. E. Lincoln. 2,178,592; Nov. 7.
Apparatus for controlling industrial processes. J. R. Strickler and E. B. Foote. 2,179,166; Nov. 7.
Apparatus for heat treating. A. C. Dames. 2,179,073; Nov. 7.
Apparatus for making incisions. H. M. Janowski. 2,178,665; Nov. 7.
Apparatus for producing a package. R. K. Slocum. 2,179,024; Nov. 7.
Apparatus for stenciling articles. H. W. Schneider. 2,179,220; Nov. 7.
Apparatus for surfacing felted sheets. O. W. Frost. 2,178,631; Nov. 7.
Arc back protection. W. R. Taliaferro. 2,179,308; Nov. 7.
Arch support. R. L. Latham. 2,178,910; Nov. 7.
Arch support. W. Seigle. 2,178,651; Nov. 7.
Area measuring device. P. L. Tea. 2,179,000; Nov. 7.
Arm rest. W. R. Haines. 2,178,788; Nov. 7.
Articles, Applying fluids to and cleaning. R. D. Petre. 2,178,701; Nov. 7.
Ashtray. G. E. Bench, Jr. 2,179,081; Nov. 7.
Asphalts, Manufacture of improved. R. E. Burk and C. H. Whitacre. 2,179,208; Nov. 7.
Attachment for brush handles, Grip. E. D. Lukenbill. 2,179,266; Nov. 7.
Attachment for photocopy machines. E. R. Sabel. 2,179,164; Nov. 7.
Automobile heater. P. Brown. 2,179,322; Nov. 7.
Automobile securing device. J. McMullen. 2,178,693; Nov. 7.
Axle and oiling the same, Speed change. C. E. Starr. 2,178,900; Nov. 7.
Baby walker and carriage, Collapsible. M. Sacheroff. 2,179,275; Nov. 7.
Bacteriological digester for conversion of organic waste. G. H. Earp-Thomas. 2,178,818; Nov. 7.
Baffle plate for mufflers. B. G. Robbins. 2,179,054; Nov. 7.
Bag: *See*—
Sleeping bag.
Bag manufacture. T. M. Avery. 2,179,464; Nov. 7.
Bags, Making. T. M. Avery. 2,179,463; Nov. 7.
Baked product, Leavened. J. Freilich and C. N. Frey. 2,178,959; Nov. 7.
Bale, Cloth. H. M. Sides. 2,179,303; Nov. 7.
Band, Tear strip. H. A. Burns. 2,178,557; Nov. 7.
Banding machine. H. W. Schneider and L. O. Mankin. 2,179,221; Nov. 7.
Bar: *See*—
Collapsible crow bar.
Basket. B. Frazier. 2,179,180; Nov. 7.
Basket construction, Handle. E. E. Mohler. 2,178,802; Nov. 7.
Battery charger, Self-regulating. S. J. Murcek. 2,179,299; Nov. 7.
Battery for hearing-aids, Storage. G. Wheat. 2,179,393; Nov. 7.
Bearing: *See*—
Double row roller bearing.
Bearing for rolling mills, Thrust. W. R. Duda. 2,178,628; Nov. 7.
Bed, Automobile. W. E. Stewart. 2,178,923; Nov. 7.
Belt. P. A. Cady. 2,178,558; Nov. 7.
Belting and the like, Shaping and vulcanizing. J. M. Bierer. 2,179,444; Nov. 7.
Bench, Tube drawing. H. E. Passmore, Jr. 2,179,194; Nov. 7.
Bending machine. A. E. Brickman and L. S. Platou. 2,178,926; Nov. 7.
Bicycle, Electric. T. M. McDonald. 2,179,418; Nov. 7.
Bicycle frame or the like. E. E. Pease. 2,178,939; Nov. 7.
Binder. H. Fabry. 2,178,887; Nov. 7.
Binder and coating materials and producing the same. R. E. Palmateer. 2,179,453; Nov. 7.
Binder, Load. S. M. Evans. 2,179,177; Nov. 7.
Binder, Loose-leaf. C. D. Trussell. 2,178,546; Nov. 7.
Binder, Loose leaf. P. O. Unger and J. H. Talmage. 2,178,767; Nov. 7.
Bit: *See*—
Well bit.
Blade, Demountable. W. L. Valiquette. 2,178,710; Nov. 7.
Block: *See*—
Flier block.
Building block.
Index follower block.
Blocks, Method of and apparatus for forming glass building. R. H. Barnard. 2,179,317; Nov. 7.
Blue print machine and drier, Combined. W. L. Sullivan. 2,179,026; Nov. 7.
Board: *See*—
Panel board.
Bobbin stand. R. H. Lawson. 2,179,015; Nov. 7.
Body construction and heating and ventilating system. E. H. Piron. 2,178,644; Nov. 7.
Boiler: *See*—
Tubular boiler.
Boring tool. E. Barnes. 2,179,029; Nov. 7.
Bottle breaker. G. La Vigne. 2,178,797; Nov. 7.
Bottle closure. S. J. Genel. 2,179,147; Nov. 7.
Bottom hole choke. C. H. McNeese and C. C. Loveless, Jr. 2,178,540; Nov. 7.
Box: *See*—
Display box.
Box, carton, or tray, Paper. J. J. Murray. 2,179,421; Nov. 7.
Box for a gas lock, Outlet. H. E. Malear. 2,179,416; Nov. 7.

Bracket for trolley retrievers. C. I. Earll. 2,179,074; Nov. 7.
Brake: *See*—
Air brake.
Brake arrangement. C. E. Tack. 2,179,387; Nov. 7.
Brake control for road-rail vehicles, Convertible. C. A. Campbell. 2,178,928; Nov. 7.
Brake suspension, Track. E. H. Piron. 2,178,643; Nov. 7.
Brakes, Automatic control mechanism for empty and load. B. H. Browall. 2,179,399; Nov. 7.
Bridge and cement retainer for well bores. R. C. Baker. 2,178,844; Nov. 7.
Brush attachment for grain cleaners, Traveling. S. J. Habstritt. 2,178,963; Nov. 7.
Brush holder. W. A. Brecht. 2,179,279; Nov. 7.
Brush, Rotary. S. Terauchi. 2,178,943; Nov. 7.
Bucket, Bait. J. H. Kelsey. 2,179,095; Nov. 7.
Bucket, Concrete. V. Schiavi. 2,179,428; Nov. 7.
Builder mechanism for spinning frames. L. Desrosiers. 2,179,324; Nov. 7.
Builder mechanism for spinning frames. S. H. Helland. 2,179,332; Nov. 7.
Building block. A. C. Flores. 2,179,407; Nov. 7.
Building construction. R. W. McLaughlin, Jr. 2,178,762; Nov. 7.
Building-out unit. B. Slade. 2,178,653; Nov. 7.
Bulb mount for piezoelectric crystals, Evacuated. L. Kamenarović. 2,178,909; Nov. 7.
Bumper, Automobile. J. A. Scheutz. 2,179,427; Nov. 7.
Bumper for automobiles and the like vehicles. O. R. Schreiber. 2,179,431; Nov. 7.
Burner: *See*—
Charcoal burner. Oil burner.
Hydrocarbon burner.
Burner controller, Fluid. L. M. Perkins. 2,178,672; Nov. 7.
Bushing. A. A. Skvortzoff. 2,179,356; Nov. 7.
Bushing, Kelly. B. Bronzan and G. D. Johnson. 2,179,006; Nov. 7.
Button, Flexible. L. R. Carley and F. G. Purinton. 2,179,032; Nov. 7.
Cabinet: *See*—
Heating, drying, and steri- lizing cabinet. Refrigerator cabinet.
Cadmium, Purification of. W. J. O'Brien. 2,178,763; Nov. 7.
Calculating machine. E. C. McClure. 2,178,913; Nov. 7.
Canopy construction. C. H. Specht. 2,178,975; Nov. 7.
Cap: *See*—
Tank filler spout cap. Well cap.
Cap for collapsible tubes, Closing. F. F. Marschalk. 2,179,452; Nov. 7.
Cap for tie valves, Dust. L. C. Broecker. 2,178,828; Nov. 7.
Car: *See*—
Shockproof container car.
Car dump, Rolling. E. Ramsay. 2,179,100; Nov. 7.
Carbon dioxide, Producing. R. H. McKee and J. W. Martin. 2,178,968; Nov. 7.
Carburetor. O. P. Williams. 2,178,677; Nov. 7.
Carpet or rug fabric. R. R. Matthews. 2,179,375; Nov. 7.
Carrier and display device. D. P. Wheeler. 2,179,109; Nov. 7.
Carton. D. D. Stein. 2,178,730; Nov. 7.
Carrying iron. J. C. Chenette. 2,178,738; Nov. 7.
Case: *See*—
Tire-tube testing case.
Case. A. I. Klotz. 2,179,126; Nov. 7.
Case construction for timepieces. P. H. English. 2,178,957; Nov. 7.
Casket illuminating apparatus. D. D. Hulsart. 2,179,409; Nov. 7.
Cathode for electron discharge devices. E. G. Widell. 2,179,110; Nov. 7.
Cathode ray device. H. E. Ives. 2,179,243; Nov. 7.
Cathode ray tube. I. Shoenberg, G. E. Condliffe, and W. F. Tedham. 2,178,973; Nov. 7.
Cathode ray tube circuit. A. J. Young. 2,179,111; Nov. 7.
Cell, Potential producing. S. Ruben. 2,178,969; Nov. 7.
Cellulose products, The manufacture of. J. Eggert and W. Gellendien. 2,179,449; Nov. 7.
Cellulose solutions and making same. C. Graenacher and R. Sallmann. 2,179,181; Nov. 7.
Centrifugal drier. C. M. Garland. 2,178,750; Nov. 7.
Centrifugal separator. C. R. A. M. Björnstjerna. 2,178,547; Nov. 7.
Chain link. G. J. Campbell, Jr. 2,178,952; Nov. 7.
Chair back. I. R. Bromagem. 2,179,369; Nov. 7.
Charcoal burner. S. C. Holland. 2,179,295; Nov. 7.
Charts, Stabilizing means for landing field. L. F. Carter. 2,178,623; Nov. 7.
Check and check-selecting device. W. K. Schauweker. 2,179,023; Nov. 7.
Chilling machine. C. Doering. 2,178,781; Nov. 7.
Choke control. J. D. Thompson. 2,179,141; Nov. 7.
Cigar and cigarette tip, Flexible sheet cellulose. W. I. Scott and L. H. Foster. 2,178,942; Nov. 7.
Cigarette. M. Todoroff. 2,178,820; Nov. 7.
Cigarette winding machine, Mica. H. W. Webb. 2,178,733; Nov. 7.
Circuit: *See*—
Cathode ray tube circuit. Thermionic valve circuit.
Current impulse generat- ing circuit. Two-tube deflecting cir- cuit.
Circuit closer for knitting machines. M. Wachsman. 2,178,980; Nov. 7.
Circuit for television systems, High voltage supply. R. B. Dome. 2,179,447–8; Nov. 7.
Circuit maker, Blast discharge controlling. G. C. Nelms. 2,179,052; Nov. 7.
Circuits, Frequency modulation. C. W. Hansell. 2,179,182; Nov. 7.
Circuits, Protective. W. J. Poch. 2,178,764; Nov. 7.
Circuits, Radio receiving. G. K. Barger and S. Hansen. 2,178,552; Nov. 7.
Circulation medium for well casings, Safety. R. C. Baker. 2,178,845; Nov. 7.
Clamp: *See*—
Cycle saddle clamp. Roller spring alignment clamp.
Electrode clamp.
Line clamp.
Clamp for conduits, Flange. P. Timm. 2,178,819; Nov. 7.
Cleaner: *See*—
Tube cleaner.
Cleaner for oil wells, Paraffin. C. A. and L. M. Still. 2,179,475; Nov. 7.
Cleaning composition. F. L. Bishop, Jr. 2,179,004; Nov. 7.
Clip: *See*—
Tenter clip.
Clipper, Hair. V. Lougheed. 2,178,669; Nov. 7.
Clipper, Nail. P. H. Smith. 2,179,435; Nov. 7.
Clock, Radio. M. D. York. 2,178,946; Nov. 7.
Clockwork, Pendulum. H. Junghans. 2,179,411; Nov. 7.
Closer for wire rope or stranding machines. W. E. Somerville. 2,179,304; Nov. 7.
Closure. A. F. Hulse. 2,178,964; Nov. 7.
Closure device for collapsible tubes and the like. J. Parl. 2,179,423; Nov. 7.
Closure, jointly operated, for flexible articles, Double. P. Buff and J. E. Thebaud. 2,178,885; Nov. 7.
Closure, Locked pipe. A. Lewis. 2,179,045; Nov. 7.
Closure member for electric discharge tubes and the like. R. M. Bowie. 2,178,826; Nov. 7.
Clothes drier. M. E. Kalks. 2,179,216; Nov. 7.
Clothesline or other article, Device for supporting a. C. O. Larson. 2,179,096; Nov. 7.
Clutch. J. F. Standish and L. S. Macdonald. 2,178,616; Nov. 7.
Clutch and reduction mechanism, Hydraulic. J. T. Murphy. 2,178,804; Nov. 7.
Clutch mounting. J. Vasta. 2,179,360; Nov. 7.
Cocoa and sugar compound and making same. H. T. Middleton. 2,179,130; Nov. 7.
Cofferdam construction. V. Schiavi. 2,179,429; Nov. 7.
Coil, Ignition. H. L. Hartzell and D. L. Hittle. 2,178,687; Nov. 7.
Coil, Induction. V. S. Goloviznin. 2,179,257; Nov. 7.
Coiling apparatus. R. R. Turner and F. W. Sullivan. 2,179,389; Nov. 7.
Coin collector. F. A. Hoyt and P. E. Mills. 2,179,091; Nov. 7.
Collapsible tow bar. G. Weise. 2,179,070; Nov. 7.
Collar, Shirt. C. C. Chapel. 2,178,777; Nov. 7.
Color correction of photomechanical images. R. L. Klein. 2,179,014; Nov. 7.
Commutator motor, Alternating-current. R. Stix. 2,179,358; Nov. 7.
Compensating condenser. E. E. Maxham. 2,179,417; Nov. 7.
Composition for soldering metal. J. F. Howarth. 2,179,258; Nov. 7.
Compound for forming paints, plastics, and cements, Pulverulent dry. W. Zaisser. 2,178,770; Nov. 7.
Compression apparatus. M. G. Sateren. 2,178,811; Nov. 7.
Compressor regulator. A. O. Carpenter. 2,178,660; Nov. 7.
Compressor, Two-cylinder. C. R. Neeson. 2,179,268; Nov. 7.
Concrete mixer. A. W. Rybeck. 2,179,104; Nov. 7.
Condensation products. H. A. Bruson and C. W. MacMullen. 2,178,829; Nov. 7.
Condenser: *See*—
Compensating condenser. Variable condenser.
Electrolytic condenser.
Condenser bank, Trimmer. L. C. Johnson. 2,179,093; Nov. 7.
Condenser vent. A. M. Georgiev and P. F. Koehly. 2,178,686; Nov. 7.
Conduit and electrical conductor, Combination fluid. W. J. Crites and D. R. Knowlton. 2,178,931; Nov. 7.
Confections, Making multiflavored or composite frozen. N. M. Thomas. 2,179,225; Nov. 7.
Connection, Detachable. W. Forstner. 2,178,572; Nov. 7.
Connector: *See*—
Electrical connector.
Construction and structure resulting therefrom, Method of. H. B. Littlefield. 2,178,667; Nov. 7.
Construction unit. J. E. Willetts. 2,179,019; Nov. 7.
Container: *See*—
Display container. Lipstick and perfume con-
Gnaw-proof container. tainer.
Container. W. E. Caten. 2,179,227; Nov. 7.
Container. G. A. Moore. 2,179,231; Nov. 7.
Container. W. E. Taylor. 2,178,618; Nov. 7.
Container. R. J. White. 2,178,620; Nov. 7.
Container and seam closure therefor. H. F. Curry. 2,178,778; Nov. 7.
Control device. R. L. Coultrip. 2,179,281; Nov. 7.
Control device. W. S. Landon. 2,178,839; Nov. 7.

Control device for heating systems. W. E. Firehammer. 2,179,120; Nov. 7.
Control for hydrodynamic machines. E. Wiedmann. 2,179,071; Nov. 7.
Control means, Electrical. H. A. Douglas. 2,179,252; Nov. 7.
Control system. H. H. Gorrie. 2,179,450; Nov. 7.
Control system and method. A. J. Rosenberger. 2,178,864; Nov. 7.
Controlling apparatus, Remote. N. F. Agnew. 2,179,311; Nov. 7.
Controlling device for printing press ductor rollers. W. C. Dennis and P. E. Haggerty. 2,178,740; Nov. 7.
Conveyer, Belt. M. A. Kendall. 2,179,186–7; Nov. 7.
Conveyer, Endless band. J. C. Paterson. 2,179,270; Nov. 7.
Cooking appliance. J. W. Myers and R. O. Stevenson. 2,179,422; Nov. 7.
Copper alloy. F. R. Hensel and E. I. Larsen. 2,178,992; Nov. 7.
Copy holder. C. J. Meek. 2,179,419; Nov. 7.
Corn popper. C. A. Dondanville. 2,179,146; Nov. 7.
Couch, Convertible. G. A. Johnson. 2,179,152; Nov. 7.
Coupling: *See*—
Hose coupling. Trailer coupling.
Magnetic coupling. Wash line coupling.
Pipe coupling.
Coupling. P. L. Scott. 2,179,355; Nov. 7.
Coupler, Universal. J. A. Schroeder and C. F. Glaser. 2,179,432; Nov. 7.
Cover: *See*—
Ironing board cover. Soaking pit cover.
Mattress cover.
Cover for garment hangers. J. W. Johnson. 2,178,965; Nov. 7.
Cowling. R. F. Gagg. 2,178,960; Nov. 7.
Crankless mechanism. T. L. Sherman. 2,178,972; Nov. 7.
Creel, Self-balancing. W. W. Arnold, Jr. 2,179,247; Nov. 7.
Crossing protective system. W. G. Miller. 2,178,880; Nov. 7.
Current impulse generating circuit. W. Sidney. 2,179,105; Nov. 7.
Current rectifier of the dry surface contact type, Alternating. S. A. Stevens and L. E. Thompson. 2,179,137; Nov. 7.
Curtain rod threading attachment. W. McGurk. 2,178,914; Nov. 7.
Curtain stretcher, Self-squaring. J. J. Dvorak. 2,179,254; Nov. 7.
Cushion. C. H. Menge. 2,178,670; Nov. 7.
Cutter and server, Ice cream. R. E. Rothenbush. 2,178,648; Nov. 7.
Cutting implement. A. E. Henry. 2,178,790; Nov. 7.
Cutting machine. A. Ohmstede. 2,178,938; Nov. 7.
Cycle saddle clamp. J. W. Brandt. 2,179,397; Nov. 7.
Dairy product chilling device. C. Doering. 2,178,780; Nov. 7.
Dam construction. A. O. Neuman. 2,178,916; Nov. 7.
Dampener for printing presses. E. C. Grembecki. 2,178,583; Nov. 7.
Denture demonstrating device. G. H. Burtenshaw. 2,178,717; Nov. 7.
Desk leg and the like. E. Rhodes. 2,178,940; Nov. 7.
Detonator. P. M. Forsyth. 2,178,723; Nov. 7.
Device for holding and curling hair. A. E. Farrell. 2,178,748; Nov. 7.
Device for screening-off scattered X-rays, Manufacturing a. G. A. Lindstedt and E. H. Öhrn. 2,178,798; Nov. 7.
Die: *See*—
Adjustable printing die.
Die. L. J. Most. 2,178,803; Nov. 7.
Dielectric materials, Method and apparatus for heating. A. C. Keller. 2,179,261; Nov. 7.
Dielectrics, Method of and apparatus for determining characteristics of. I. M. Stein. 2,178,617; Nov. 7.
Differential fluid pressure line control. G. E. Miller. 2,179,267; Nov. 7.
Differential mechanism. F. W. Seeck. 2,178,613; Nov. 7.
Diolefins, Manufacture of. A. V. Grosse. 2,178,584; Nov. 7.
Diolefins, Manufacture of. J. C. Morrell. 2,178,601; Nov. 7.
Diolefins, Manufacture of. J. C. Morrell and A. V. Grosse. 2,178,602; Nov. 7.
Direction indicator. W. E. Oshel. 2,179,344; Nov. 7.
Disk excavating machine, Reversible. F. B. Turnham. 2,178,731; Nov. 7.
Dispenser: *See*—
Liquid dispenser. Toothpick dispenser.
Tooth paste or shaving cream dispenser.
Display box. J. M. Shields. 2,178,652; Nov. 7.
Display container. R. E. Lowey and E. C. Potter. 2,179,075; Nov. 7.
Door buck support. J. G. Knight. 2,179,262; Nov. 7.
Door construction, Range. A. H. Moecker. 2,179,049; Nov. 7.
Door holder. M. S. Christensen. 2,178,718; Nov. 7.
Door latch. J. A. Schmitt. 2,179,430; Nov. 7.
Door lock. F. A. Browne. 2,179,466; Nov. 7.
Door lock. O. C. Larson. 2,178,666; Nov. 7.
Double row roller bearing. H. R. Slusser. 2,178,843; Nov. 7.
Drafting mechanism. P. Devaux. 2,178,627; Nov. 7.
Drier: *See*—
Centrifugal drier. Clothes drier.
Drill stem feed. O. B. Anderson. 2,179,316; Nov. 7.
Drive for vehicle axles. H. Ruegg. 2,179,425; Nov. 7.
Dustpan. R. I. Sheuer. 2,179,185; Nov. 7.
Dyeing textile materials. C. P. Dyer. 1,179,371; Nov. 7.
Dyes, Azo. H. Jordan and S. S. Rossander. 2,178,757; Nov. 7.
Dyestuffs and their manufacture, Disazo. A. Krebser. 2,179,190; Nov. 7.
Dyestuff, Anthraquinone acid wool. D. X. Klein. 2,179,217; Nov. 7.
Dyestuffs of the naphthophenosafranine series. E. Huber. 2,178,793; Nov. 7.
Electric lamp. C. Spaeth. 2,179,455; Nov. 7.
Electric steam iron. L. L. Jones. 2,179,259; Nov. 7.
Electrical adapter. H. de Witt and F. Wilburn. 2,179,118; Nov. 7.
Electrical apparatus. H. S. Gates. 2,179,329; Nov. 7.
Electrical connector. G. E. Andre. 2,178,621; Nov. 7.
Electrical resistance, Method and apparatus for testing. R. C. Dehmel. 2,178,954; Nov. 7.
Electrode clamp. R. R. Jones. 2,179,153; Nov. 7.
Electrode holder. H. J. Wagner. 2,179,440; Nov. 7.
Electrode structures, Cathode ray tube. R. R. Law. 2,179,097; Nov. 7.
Electrolytic condenser. S. Ruben. 2,178,970; Nov. 7.
Electrolytic device. M. Knab and H. I. Danziger. 2,178,936; Nov. 7.
Electron image tube. E. Bruche and W. Schaffernicht. 2,179,083; Nov. 7.
Electro-optical apparatus. W. P. Mason. 2,179,098; Nov. 7.
Emulsions, Method and apparatus for treating. R. B. Millard. 2,179,131; Nov. 7.
Engine: *See*—
Internal combustion en- gine. Multicylinder engine.
Engine cowling. C. W. Scott. 2,178,998; Nov. 7.
Engines, Method and apparatus for regulating charge for internal combustion. H. Silverstein. 2,179,235; Nov. 7.
Engraving machine or the like. W. Taylor and E. A. Cooke. 2,179,388; Nov. 7.
Esters derived from isocyclic compounds. K. Daimler and C. Platz. 2,179,209; Nov. 7.
Ether sulphonates, Aromatic polyalkylene. H. A. Bruson. 2,178,830; Nov. 7.
Ethers, Aromatic polyalkylene. H. A. Bruson. 2,178,831; Nov. 7.
Ethers, Manufacture of. V. Ipatieff. 2,179,092; Nov. 7.
Ethers, The purification of cellulose. A. S. Finlayson. 2,178,630; Nov. 7.
Eyeshield or the like. J. A. English. 2,179,286; Nov. 7.
Excess flow check valve. W. C. Buttner. 2,179,144; Nov. 7.
Expander for storage batteries and making the same. R. A. Daily. 2,178,680; Nov. 7.
Explosive. J. Simon. 2,179,434; Nov. 7.
Fabric: *See*—
Carpet or rug fabric. Knitted fabric.
Face-milling, Method of and apparatus for. C. E. Kraus. 2,178,589; Nov. 7.
Fastening device. B. Cotter. 2,178,719; Nov. 7.
Fastening-inserting machine. J. F. Standish and L. S. Macdonald. 2,178,615; Nov. 7.
Fender. I. M. Kirlin. 2,179,125; Nov. 7.
Fender, Pickup. A. A. Roth. 2,179,163; Nov. 7.
Fibrous material, Producing. D. C. Drill. 2,178,871; Nov. 7.
Filament coiling machine. F. B. Iden. 2,179,296; Nov. 7.
Filaments, Method and apparatus for treating. W. P. Zabel. 2,179,367; Nov. 7.
Filaments, threads, yarns, and the like, Manufacture of artificial. W. A. Dickie and P. F. C. Sowter. 2,178,741; Nov. 7.
File guide for nails. M. C. Gore. 2,179,290; Nov. 7.
Filling machine. A. R. Thompson. 2,178,884; Nov. 7.
Film re-winder, Multiple. I. Serrurier. 2,178,673; Nov. 7.
Film with sound record, Color. W. Schneider. 2,178,882; Nov. 7.
Filter: *See*—
Air filter. Oil filter.
Filtering. W. H. Alton. 2,179,028; Nov. 7.
Fingernail polish protector. H. B. Lewis. 2,179,046; Nov. 7.
Fireproofing treatment and composition. E. C. Clayton and L. L. Heffner. 2,178,625; Nov. 7.
Fish and product thereof, Preparing. T. S. Gorton, Jr. 2,178,787; Nov. 7.
Fish, Smoking. R. Gamble. 2,179,122; Nov. 7.
Fishing lure. C. H. Weidenmier. 2,179,018; Nov. 7.
Fishing operations, Method and apparatus for performing. M. L. Cashion and R. Smith. 2,179,033; Nov. 7.
Fitting for outlet valves, Waste. L. Frank and F. Klein. 2,179,121; Nov. 7.
Flier block. G. W. Evans. 2,179,403; Nov. 7.
Fluid compressor. L. Hanson. 2,178,662; Nov. 7.
Fluid dispensing system. A. Cohen, R. H. T. Morgan, and J. Goldstein. 2,178,559; Nov. 7.
Fluid-measuring apparatus. C. E. Mason. 2,179,219; Nov. 7.

Fluoroscope for the oral cavity and making the same. A. F. Conto. 2,179,249; Nov. 7.
Food concentrate of papaya. L. L. Matoush. 2,178,593; Nov. 7.
Food product. L. R. Ferguson. 2,178,569; Nov. 7.
Foodstuffs, Treating. C. E. Evans. 2,179,327; Nov. 7.
Fork, Barbecue. E. E. Sax. 2,178,971; Nov. 7.
Form grinding apparatus. C. G. Flygare. 2,179,211; Nov. 7.
Form grinding machine. C. Booth. 2,178,848; Nov. 7.
Frame for shiffli embroidery machine. A. Eskind. 2,179,287; Nov. 7.
Freezing machine. D. F. Herman and J. Nordenhaug. 2,179,039; Nov. 7.
Frequency changing system. C. P. Stocker. 2,179,386; Nov. 7.
Fruit and the like, Apparatus for treating. C. H. Vreeland. 2,179,459; Nov. 7.
Fruit treating machine. F. Stebler. 2,179,474; Nov. 7.
Fuel burning apparatus. C. W. Robbins. 2,178,703; Nov. 7.
Fuel feeding means for internal combustion engines. C. H. Clausen. 2,178,902; Nov. 7.
Fuel, Motor. J. W. Jean. 2,179,151; Nov. 7.
Fuel supply tank. F. B. Crocker. 2,178,564; Nov. 7.
Funnel, Supported. J. R. Casner. 2,179,400; Nov. 7.
Furnace regenerator arrangement. W. J. Irwin. 2,178,795; Nov. 7.
Furnace regenerator system. W. J. Irwin. 2,178,794; Nov. 7.
Furniture construction. L. Stickley. 2,179,138; Nov. 7.
Fuse construction. W. O. Schultz. 2,178,650; Nov. 7.
Game. M. L. Lee. 2,179,471; Nov. 7.
Game device, Educational. F. C. Haumerson. 2,178,906; Nov. 7.
Garment. K. L. Klauder. 2,179,335; Nov. 7.
Garment rack, Multiple. E. R. Davidson. 2,178,779; Nov. 7.
Gas valve, Adjustable. O. P. Williams. 2,178,676; Nov. 7.
Gear: *See*—
Planetary reduction gear.
Gear generating tool. D. T. Hamilton. 2,179,230; Nov. 7.
Gear shifting mechanism for motor vehicles. H. Baade. 2,179,368; Nov. 7.
Generator: *See*—
Tone generator.
Wind wheel generator.
Generator for washing machines, Detergent. R. Behrman. 2,178,735; Nov. 7.
Glycerin from soap, Continuous recovery of. B. H. Thurman. 2,179,001; Nov. 7.
Gnaw-proof container. C. Scheidegger. 2,178,611; Nov. 7.
Golf ball, Making a. B. Bogoslowsky. 2,178,774; Nov. 7.
Golf club attachment and marker. C. J. Engstrom. 2,178,872; Nov. 7.
Golf club head, Adjustable. T. P. Duncan, Jr. 2,179,034; Nov. 7.
Grease-dispensing device. B. E. Sibley. 2,178,816; Nov. 7.
Grease-overflow catcher for high-speed motors. E. O. Mueller. 2,179,341; Nov. 7.
Grinder, Grain. H. M. Johnston. 2,178,636; Nov. 7.
Grinding stone. J. E. Hassler. 2,178,855; Nov. 7.
Grinding tool. J. Y. Blazek. 2,179,465; Nov. 7.
Grinding wheel. C. J. Hudson. 2,178,835; Nov. 7.
Gripping device in machines for handling tobacco. E. R. Dahlström. 2,179,446; Nov. 7.
Guard, Burglar-alarm window. H. Jackson. 2,179,042; Nov. 7.
Guard, Electric lamp. O. A. Hockley. 2,178,907; Nov. 7.
Guiding means for doors. R. H. Wagner. 2,179,362; Nov. 7.
Gun adapter, Grease. C. Lagergren. 2,178,966; Nov. 7.
Hair waving pad. R. L. Evans and E. G. McDonough. 2,178,567; Nov. 7.
Hairpin remover. E. Byrn. 2,178,776; Nov. 7.
Hanger: *See*—
Scaffold hanger.
Tubing hanger.
Hanger structure for gliders. H. A. Yerrick. 2,179,395; Nov. 7.
Heat insulation. C. C. Schuetz. 2,179,057; Nov. 7.
Heater: *See*—
Automobile heater.
Water heater.
Oil heater.
Heater. A. E. Fadel. 2,178,785; Nov. 7.
Heater. J. R. Morgan. 2,178,894; Nov. 7.
Heater for soldering irons, Electrical. L. N. Niccolls. 2,178,862; Nov. 7.
Heating and flow control of molten glass, Electric. L. D. Soubier. 2,179,224; Nov. 7.
Heating, drying, and sterilizing cabinet. W. L. Gill. 2,179,256; Nov. 7.
Heating means. E. L. Wiegand. 2,178,823; Nov. 7.
Heating system for corn popping machines. G. A. Delf. 2,179,468; Nov. 7.
Helmet, Knitted. W. E. Schuessler. 2,178,941; Nov. 7.
Hinge. F. G. Bates. 2,179,113; Nov. 7.
Hinge mounting for doors, panels, hatchways, or the like. R. J. H. Hudson. 2,178,908; Nov. 7.
Hitch. T. F. Trow. 2,179,439; Nov. 7.
Holder: *See*—
Brush holder.
Electrode holder.
Door holder.
Reading matter holder.
Copy holder.
Holder for divisional propellent charges. E. J. McCormick. 2,178,594–9; Nov. 7.
Holder for nail making dies, Die. I. Werner. 2,178,711; Nov. 7.
Hose coupling. A. J. Scholtes. 2,179,200; Nov. 7.
Hosiery mending device. A. G. Eichholz. 2,179,372; Nov. 7.
Humidifier. S. K. B. Larsen. 2,179,470; Nov. 7.
Hydrant stem, Breakable. E. E. Cline. 2,178,929; Nov. 7.
Hydraulic brake pump, Compound. M. V. Groves. 2,179,241; Nov. 7.
Hydrocarbon burner. J. L. Breese. 2,179,142; Nov. 7.
Hydrocarbons, Conversion of gaseous. H. V. Atwell. 2,178,824; Nov. 7.
Hydrocarbons, Stabilizing halogenated. I. E. Muskat and L. King. 2,178,695; Nov. 7.
Hydrocarbons, Treatment of. W. E. Kuhn. 2,178,838; Nov. 7.
Hydrogen-nitrogen mixtures, Apparatus for producing. H. D. Erasmus. 2,178,833; Nov. 7.
Hydrogen peroxide, Manufacture of. J. C. Michalek and E. C. Soule. 2,178,640; Nov. 7.
Illuminating device. E. Rambusch and V. G. Anderson. 2,179,161; Nov. 7.
Illuminating device for pocketbooks or like receptacles. O. Hailbauer. 2,179,214; Nov. 7.
Image, Producing an incandescent. P. T. Farnsworth and B. C. Gardner. 2,179,086; Nov. 7.
Incandescent lamp. A. R. Socolofsky. 2,179,437; Nov. 7.
Index follower block, Visible. F. L. W. Link. 2,178,638; Nov. 7.
Indicator: *See*—
Direction indicator.
Speed indicator.
Pressure indicator.
Vehicle direction indicator.
Shockproof dial indicator.
Indicator. S. Read, Jr. 2,179,101; Nov. 7.
Inductance device, Variable. J. Sivertsen. 2,179,058; Nov. 7.
Induction heated pipe. C. E. Daniels. 2,178,720; Nov. 7.
Inhaler. C. F. Lombard. 2,178,800; Nov. 7.
Inkstand. H. F. Krueger. 2,178,861; Nov. 7.
Inseam measuring apparatus. J. Turpan. 2,178,658; Nov. 7.
Instrument indication in airplanes and the like, Means and method of. E. A. Link, Jr. 2,178,637; Nov. 7.
Instrument spring link movement. P. F. K. Erbguth. 2,178,538; Nov. 7.
Insulated member. R. E. Palmateer. 2,179,381; Nov. 7.
Interference caused by induction in electron tubes, Eliminating. W. Bünger and H. W. Langenwalter. 2,178,775; Nov. 7.
Interlock. J. M. Zimmerman. 2,178,984; Nov. 7.
Internal combustion engine. T. E. Brown. 2,179,143; Nov. 7.
Internal combustion engine. C. Voorhies. 2,178,732; Nov. 7.
Internal combustion engine. A. R. Wurtele. 2,179,278; Nov. 7.
Internal combustion engine, Rotary. J. Chkliar. 2,179,401; Nov. 7.
Iron: *See*—
Carrying iron.
Soldering iron.
Electric steam iron.
Ironing apparatus. T. R. Bush. 2,179,115; Nov. 7.
Ironing board cover. C. Ruttenberg. 2,179,458; Nov. 7.
Jack: *See*—
Store jack.
Jacquard, Single cylinder stationary griff. H. V. Foster. 2,179,328; Nov. 7.
Joint. G. F. Hauf. 2,179,089; Nov. 7.
Journal lubricator. J. J. Hennessy. 2,178,754; Nov. 7.
Knit goods comprising high tenacity rayon, Circular. M. Keller. 2,178,759; Nov. 7.
Knitted fabric. R. H. Lawson. 2,179,336; Nov. 7.
Knitting machine. K. R. Lieberknecht. 2,178,591; Nov. 7.
Knitting machine, Split-foot. R. H. Lawson. 2,178,911; Nov. 7.
Label affixing machine. V. Lobasso. 2,179,264; Nov. 7.
Labeling. G. W. von Hofe and C. A. Claus. 2,178,979; Nov. 7.
Ladder, Adjustable. T. Failla. 2,179,119; Nov. 7.
Ladder construction. H. J. Helder. 2,178,856; Nov. 7.
Lamp: *See*—
Electric lamp.
Signal lamp.
Incandescent lamp.
Lantern, Hand. G. Schmiedel. 2,179,056; Nov. 7.
Latch: *See*—
Door latch.
Vehicle door latch.
Latch and catch, Door. P. T. and C. P. Webb. 2,179,441; Nov. 7.
Laundry ironing and drying roll pad. J. E. Hooper. 2,178,633; Nov. 7.
Lens abrading machine. L. W. Goddu and C. H. Caldwell. 2,179,088; Nov. 7.
Lenses, Making contact. W. Feinbloom. 2,178,873; Nov. 7.
Level and inclinometer, Combination. C. C. Cox. 2,179,467; Nov. 7.
License plates, Securing means for. H. K. Owens. 2,178,727; Nov. 7.
Lighting fixture. G. F. Mudgett. 2,179,340; Nov. 7.
Light-polarizing particles and making same, Suspension of. E. H. Land. 2,178,996; Nov. 7.
Light-sensitive control means. F. J. Couch. 2,179,009; Nov. 7.
Light-sensitive layer and making same. R. J. H. Alink and J. H. de Boer. 2,178,771; Nov. 7.

Lime sludge, Recovery of. H. L. Joachim. 2,178,586; Nov. 7.
Link body and making same. G. H. Hufferd. 2,178,858; Nov. 7.
Line clamp. W. L. Brownlee. 2,179,007; Nov. 7.
Lipstick and perfume container, Combined. W. O. Mitchell. 2,178,997; Nov. 7.
Liquid attemperating device. F. G. Cornell, Jr. 2,178,661; Nov. 1.
Liquid dispenser. W. C. Urton. 2,179,390; Nov. 7.
Liquid level control system. J. V. Thomas. 2,178,866; Nov. 7.
Liquid pressure control apparatus. C. R. Hanna. 2,179,292; Nov. 7.
Liquor, Method of and apparatus for treating pulp residual. G. H. Tomlinson, and L. S. Wilcoxson. 2,179,456; Nov. 7.
Loader, Live-stock. O. Brachear. 2,179,005; Nov. 7.
Lock: *See*—
Door lock.
Lock and handle for cans, Combined closure. G. E. Bullock. 2,178,868; Nov. 7.
Lock device, Coin. L. J. Dixon. 2,179,325; Nov. 7.
Lockwasher. A. Anderson. 2,179,169; Nov. 7.
Looms, Picking motion for. O. V. Payne. 2,179,347; Nov. 7.
Loudspeaker parts, Assembling and welding. J. A. Briggs. 2,179,398; Nov. 7.
Lubricant. P. L. Saizberg. 2,178,610; Nov. 7.
Lubricant. H. G. Smith. 2,179,007; Nov. 7.
Lubricating compositions, Manufacture of. H. G. Smith. 2,179,060–1; Nov. 7.
Lubricating device. C. E. Daniels. 2,178,932; Nov. 7.
Lubricating device. A. Y. Dodge and H. R. Tear. 2,178,851; Nov. 7.
Lubricating mechanism. C. L. Ott. 2,178,642; Nov. 7.
Lubricating system. W. E. Joost. 2,178,756; Nov. 7.
Lubricator: *See*—
Railway journal lubricator.
Luminous and radioactive compound. R. W. Gear. 2,178,961; Nov. 7.
Machine for making firecrackers. R. C. Hitt. 2,179,373; Nov. 7.
Machine for making pie dough or like pastries. J. Mast. 2,179,076; Nov. 7.
Machine for making plaster ground. A. Martin. 2,179,128; Nov. 7.
Machine for operating on shoes. C. G. Brostrom. 2,178,556; Nov. 7.
Machine for packeting cigarettes and the like. G. D. Horgan. 2,179,123; Nov. 7.
Machine tool. G. K. McKee and C. E. Bernitt. 2,178,915; Nov. 7.
Magnesium alloy. J. A. Gann. 2,178,573; Nov. 7.
Magnesium alloy. J. A. Gann. 2,178,578–82; Nov. 7.
Magnesium base alloy. J. A. Gann. 2,178,574–7; Nov. 7.
Magnesium hydroxide, Production of. F. Wienert. 2,178,983; Nov. 7.
Magnetic coupling. G. Neumann. 2,178,641; Nov. 7.
Marine propulsion system. P. C. Day. 2,179,370; Nov. 7.
Material, Apparatus for conditioning fibrous. G. and A. G. Hill, P. H. Baker, L. C. Mitchum, and E. A. Harper. 2,178,539; Nov. 7.
Material, Inorganic luminous. M. Servigne. 2,179,134; Nov. 7.
Material treating and handling apparatus. J. D. Ferry. 2,179,035; Nov. 7.
Material treatment. I. E. Mukat and G. H. Cady. 2,178,696; Nov. 7.
Materials, Coloration of textile. G. H. Ellis and C. F. Topham. 2,178,744; Nov. 7.
Materials, Gluing porous. T. W. Dike and H. Galber. 2,178,566; Nov. 7.
Materials, Manufacture of artificial. H. Dreyfus and R. W. Moncrieff. 2,178,743; Nov. 7.
Materials, Process and apparatus for the treatment of sugar-bearing. C. A. Olcott. 2,178,805; Nov. 7.
Matter, Composition of. W. D. Crater. 2,179,323; Nov. 7.
Mattress cover. L. Cohen, Jr. 2,179,175; Nov. 7.
Measuring arrangement for potential transformers. H. Poleck. 2,178,645; Nov. 7.
Meat-slitting machine. J. P. Spang. 2,179,025; Nov. 7.
Mechano-vibratory apparatus. W. T. Shaler. 2,178,813; Nov. 7.
Medicament introducer. L. Lorenian. 2,178,840; Nov. 7.
Metal detection device. V. W. Breitenstein. 2,179,240; Nov. 7.
Metal discharge tube, Shielded. W. Espe. 2,178,747; Nov. 7.
Metal workpieces, Method of and apparatus for surfacing. C. E. Kraus. 2,178,590; Nov. 7.
Microphone, Condenser. H. J. von Braunmühl and W. Weber. 2,179,361; Nov. 7.
Mixer: *See*—
Concrete mixer.
Molding. H. A. Endres. 2,178,537; Nov. 7.
Mono-esters of fatty acids, Manufacture of sulphurized. H. G. Smith. 2,179,065; Nov. 7.
Motor: *See*—
Alternating current induction motor.
Commutator motor.
Synchronized motor.
Motor and circuit arrangement therefor, Capacitor. H. W. Whitby. 2,178,945; Nov. 7.
Motor control system, Electric traction. E. A. Binney and P. L. Mardis. 2,179,319; Nov. 7.
Mounting for automobiles, Wheel. W. P. Woods and W. E. Smith. 2,178,734; Nov. 7.
Mounting for rock drills. L. L. Richardson. 2,179,162; Nov. 7.
Mounting for vibrator heads, Ball bearing. L. H. Roeth. 2,178,881; Nov. 7.
Mounting means for a resiliently supported feeding mechanism, Resilient. F. A. Nicholson and W. T. Pritchard. 2,178,541; Nov. 7.
Multicylinder engine. J. Bugatti. 2,179,030; Nov. 7.
Multiple copy pad. J. L. McAdams. 2,178,878; Nov. 7.
Multiplying machine. J. W. Bryce. 2,178,950–1; Nov. 7.
Musical instrument. V. H. Severy. 2,178,706; Nov. 7.
Musical instrument and music-score device, Combined. M. M. Cole. 2,178,903; Nov. 7.
Necktie. M. C. McCurrach. 2,178,893; Nov. 7.
Necktie. F. C. Rehor. 2,179,133; Nov. 7.
Necktie. C. O. Swanson. 2,179,306; Nov. 7.
Needle, Self-threading. O. J. Rainville. 2,178,607; Nov. 7.
Nitroso compounds and making them, Heavy metal cyclic. E. F. Rosenblatt. 2,178,809; Nov. 7.
Nozzle for arc-welding machine. H. Westberg. 2,179,108; Nov. 7.
Nozzle, Self-cleaning. W. B. Hodge. 2,179,184; Nov. 7.
Oil and preparing same, Drying. I. J. Novak. 2,178,604; Nov. 7.
Oil burner. M. Strosk. 2,179,139; Nov. 7.
Oil compositions, containing sulphurized fatty esters, Refining of. H. G. Smith and T. L. Cantrell. 2,179,064; Nov. 7.
Oil filter. H. D. Crawford. 2,178,930; Nov. 7.
Oil heater, Circulating. R. Hoffman. 2,179,041; Nov. 7.
Oil, Manufacture of sulphurized sperm. H. G. Smith. 2,179,066; Nov. 7.
Oil, Refining. S. E. Campbell. 2,179,008; Nov. 7.
Oils and products thereof, Voltolization of mineral. P. J. Wiezevich. 2,178,769; Nov. 7.
Oils and the like, Making sulphurized sperm. H. G. Smith and T. L. Cantrell. 2,179,063; Nov. 7.
Oils, Coking of hydrocarbon. J. G. Alther. 2,179,080; Nov. 7.
Oils, Conversion of hydrocarbon. J. G. Alther. 2,179,079; Nov. 7.
Oils for use in paint and the like, Preparation of mineral. A. B. Ruddle. 2,178,705; Nov. 7.
Oils, Treating hydrocarbon. J. W. Gray and J. S. Walton. 2,178,834; Nov. 7.
Oiler, Antifriction bearing. J. L. Brown. 2,179,321; Nov. 7.
Oiling device for filter units. H. J. McDevitt. 2,179,473; Nov. 7.
1,1,1-trichloropropane and preparation. A. A. Levine and O. W. Cass. 2,179,218; Nov. 7.
Opener, Can. G. H. Gustafson. 2,178,991; Nov. 7.
Oscillator, Spindle. A. H. Dall. 2,178,850; Nov. 7.
Oven, Biscuit or like. C. Dumbleton. 2,179,253; Nov. 7.
pH and buffers and indicators therefor, Determining. S. F. Acree. 2,178,550; Nov. 7.
Package. W. J. McDonald. 2,179,377; Nov. 7.
Package, Candy. W. J. McDonald. 2,179,376; Nov. 7.
Package of reversible thermoplastic impression composition. L. E. Harrison. 2,178,663; Nov. 7.
Package, Tooth brush dispensing. J. D. Peters. 2,179,160; Nov. 7.
Packages, Sealing and handle attaching device for. M. Goldschmidt. 2,179,037; Nov. 7.
Pad: *See*—
Hair waving pad.
Multiple copy pad.
Laundry ironing and drying roll pad.
Pallet. G. G. Raymond and W. C. House 2,178,646; Nov. 7.
Panel. E. J. Shields. 2,178,729; Nov. 7.
Panel board. H. G. Baxter. 2,179,318; Nov. 7.
Paneling and erecting the same, Interior. F. M. Small. 2,178,817; Nov. 7.
Paper and like materials, Method and apparatus for testing the folding endurance of. J. D. Clark. 2,179,116; Nov. 7.
Paper feeding and reloading mechanism. A. B. Egger. 2,178,783; Nov. 7.
Paper manufacture. J. E. Plumstead. 2,178,606; Nov. 7.
Pedal. F. W. Schwinn. 2,178,921; Nov. 7.
Peeler, beater, and slicing machine, Combination. J. D. Garbrieau. 2,178,889; Nov. 7.
Pencil, Mechanical. F. C. Deli. 2,178,626; Nov. 7.
Penholder, Caster. O. M. Johnson. 2,178,755; Nov. 7.
Phonograph, Automatically and continuously working. T. Uemura. 2,178,978; Nov. 7.
Photographs, Making. G. N. Pifer. 2,178,896; Nov. 7.
Photographs, Manufacture of multicolor. W. Schneider. 2,179,234; Nov. 7.
Photographic fixer. G. P. Ham. 2,179,242; Nov. 7.
Photographic method and apparatus. E. D. Davis. 2,178,933; Nov. 7.
Photographic silver halide emulsion layers. W. Schneider and M. Hagedorn. 2,178,612; Nov. 7.
Photography and material therefor, Color. J. Eggert, A. Frochlich, and B. Wendt. 2,179,228; Nov. 7.
Photography, Color. G. Wilmanns, W. Schneider, and E. Bauer. 2,179,239; Nov. 7.
Piano fallboard. W. M. Day. 2,178,565; Nov. 7.

Picker, Fruit. M. Bustetter and S. D. Gericke. 2,179,031; Nov. 7.
Pictures, Manufacture of polychrome. G. Wilmanns, W. Schneider, and E. Bauer. 2,179,238; Nov. 7.
Pictures, Reproducing. G. Washington, Jr. 2,179,002; Nov. 7.
Pin feed attachment for autographic registers. L. F. Hageman. 2,179,150; Nov. 7.
Pipe: *See*—
Induction heated pipe.
Pipe and pipe joint, Sheet metal. A. J. Parrish. 2,179,193; Nov. 7.
Pipe coupling. R. J. Lauer. 2,179,127; Nov. 7.
Pipe fixture, Heating. C. E. Daniels. 2,178,721; Nov. 7.
Pipe for gins, Drop. C. L. Hamilton. 2,178,934; Nov. 7.
Pipes and tubes, Apparatus for welding. J. J. Dunn. 2,179,176; Nov. 7.
Piston grinding apparatus. C. J. Green. 2,179,213; Nov. 7.
Piston ring arrangement. H. C. Hill. 2,178,993; Nov. 7.
Pit apparatus, Drop. H. K. Christie. 2,178,624; Nov. 7.
Pit apparatus, Drop. L. D. Holmes. 2,178,632; Nov. 7.
Planetary reduction gear. R. and A. Chilton. 2,179,072; Nov. 7.
Planter, Corn. L. K. Botnen. 2,178,716; Nov. 7.
Plastic, Protein. O. Sturken. 2,178,924; Nov. 7.
Plate and making same, Lithographic. W. H. Wood. 2,179,245; Nov. 7.
Platform operating means. J. J. Mikes. 2,178,879; Nov. 7.
Plotting protractor. A. O. Gottschalk. 2,178,962; Nov. 7.
Plug for internal combustion engines, Glow. E. White. 2,178,659; Nov. 7.
Plug stop for well casings, Cementing. R. C. Baker and C. E. Burt. 2,178,847; Nov. 7.
Plumbite solution. J. E. Drapeau. 2,178,742; Nov. 7.
Pole, Draft. A. J. Kjos. 2,179,189; Nov. 7.
Polymerization in the gaseous state. W. Heuer. 2,179,040; Nov. 7.
Polymers from hydrocarbon gases, Producing valuable. R. Rosen and R. M. Thomas. 2,178,808; Nov. 7.
Porcelain-surface protection. F. B. Johnson. 2,179,297; Nov. 7.
Portable stand. R. B. Pealer. 2,178,605; Nov. 7.
Postage meter unit. J. W. Ogden. 2,179,232; Nov. 7.
Pot, Carburizing. T. A. Frischman and C. G. Shontz. 2,178,683; Nov. 7.
Powder and product thereof, Preparation of progressive-burning smokeless. E. S. Goodyear. 2,179,330; Nov. 7.
Power control system. E. Weber. 2,179,364; Nov. 7.
Power control system, Electric. R. M. Bowie. 2,178,827; Nov. 7.
Power drive, Auxiliary. L. E. Lubbers. 2,178,841; Nov. 7.
Power means for automatic accessory actuation: E. G. Staude. 2,179,236; Nov. 7.
Powder, Progressive-burning smokeless. E. R. Allison. 2,179,312–5; Nov. 7.
Power transmission mechanism. M. de Falco. 2,179,405; Nov. 7.
Power transmission mechanism. R. M. and G. C. Jett. 2,178,859; Nov. 7.
Power transmitting means. O. Gruenberger. 2,179,149; Nov. 7.
Press. R. T. Anderson. 2,178,714; Nov. 7.
Pressure indicator. A. Edmonston. 2,179,255; Nov. 7.
Pressure regulating and reducing apparatus. G. H. Smith and W. J. Jacobsson. 2,178,974; Nov. 7.
Printing and embossing machine. E. Roberts, Jr. 2,179,233; Nov. 7.
Printing machine, Rotary. F. C. Marquardt. 2,178,639; Nov. 7.
Printing mechanism. F. L. Fuller. 2,178,749; Nov. 7.
Printing medium. E. Alexander. 2,179,168; Nov. 7.
Projectile, Rocket. P. V. Fabionar. 2,179,404; Nov. 7.
Protective means for electric circuits. G. W. Müller. 2,179,342; Nov. 7.
Protector: *See*—
Fingernail polish protector. Stocking protector.
Protector mechanism for looms. C. J. Lindegren. 2,179,338; Nov. 7.
Protractor device. R. Kormann. 2,178,796; Nov. 7.
Pulp article, Molded. M. P. Chaplin. 2,178,832; Nov. 7.
Pump: *See*—
Hydraulic brake pump.
Pump. P. L. Scott. 2,179,354; Nov. 7.
Pump. C. G. Upton and P. B. Barnett. 2,178,822; Nov. 7.
Pump construction, Siphon. J. C. Schellin, E. J. Housekeeper, and H. M. Hunt. 2,178,898; Nov. 7.
Pump unit, Centrifugal. J. Inglis. 2,178,994; Nov. 7.
Push-button control. A. W. Franklin. 2,178,958; Nov. 7.
Rack: *See*—
Garment rack. Stick-holding rack.
Rack. R. Fitzpatrick. 2,179,406; Nov. 7.
Rack and slidable locking means therefor, Cue. W. Poma. 2,179,272; Nov. 7.
Rack for cooking utensils. D. W. Gustaveson. 2,179,291; Nov. 7.
Rack for refrigerator cars, Floor. C. E. Credo. 2,178,739; Nov. 7.
Racket. J. L. Kleinman. 2,178,588; Nov. 7.
Radiator, Electrically heated. J. Müller. 2,179,420; Nov. 7.
Radio receiving system, Multiunit. R. Kimball. 2,179,043; Nov. 7.
Rail, Railway. A. J. Brinkman. 2,178,947; Nov. 7.
Railway journal lubricator. J. J. Hennessy. 2,178,891; Nov. 7.
Range and view finder. E. S. Hineline. 2,178,857; Nov. 7.
Reading matter holder. A. F. Osborn. 2,178,542; Nov. 7.
Receptacle: *See*—
Table receptacle.
Receptacle. J. P. Markert. 2,178,967; Nov. 7.
Rectifier, Cooled contact. C. C. Hein. 2,179,293; Nov. 7.
Rectifier system. W. Leukert. 2,179,337; Nov. 7.
Reflector. C. A. Persons. 2,179,382; Nov. 7.
Refrigerating apparatus, Absorption. R. S. Nelson. 2,178,603; Nov. 7.
Refrigerating system, Absorption. C. C. Coons. 2,178,560–1; Nov. 7.
Refrigerating system, Continuous absorption. C. C. Coons. 2,178,870; Nov. 7.
Refrigeration. C. E. Ploeger. 2,178,807; Nov. 7.
Refrigerator. A. C. Shuart. 2,178,815; Nov. 7.
Refrigerator cabinet. P. T. Sywert. 2,179,307; Nov. 7.
Regulating system for generator driving engines. T. Doeg. 2,179,283; Nov. 7.
Regulator: *See*—
Compressor regulator.
Regulator and lock for swinging panels. A. S. Greif. 2,178,753; Nov. 7.
Regulator mechanism for vehicle windows. S. W. Nicholson. 2,179,343; Nov. 7.
Relay control system, Light-sensitive. W. A. Pennow. 2,179,349; Nov. 7.
Remote indicating system. C. O. Cressy. 2,178,563; Nov. 7.
Reservoir for fluid pressure systems. D. O. Scott. 2,179,201; Nov. 7.
Residual liquor, Method of and apparatus for treating pulp. G. H. Tomlinson and L. S. Wilcoxson. 2,179,456; Nov. 7.
Resins, Making polyvinyl acetal. G. O. Morrison and A. F. Price. 2,179,051; Nov. 7.
Resistor. K. C. Black and R. R. Blair. 2,178,548; Nov. 7.
Resistor unit. C. J. Ganci. 2,179,212; Nov. 7.
Rest-bar adjustment for rolling mills. F. A. Garman. 2,178,904; Nov. 7.
Rod and crankpin assembly, Multiple double action connecting. J. H. and J. M. Jerrell, Jr. 2,179,185; Nov. 7.
Rod and reel, Fishing. V. J. Kolosso. 2,179,413; Nov. 7.
Roller spring alignment clamp. C. L. Hahn. 2,178,905; Nov. 7.
Roughing machine. F. Ricks and J. W. Pratt. 2,179,351; Nov. 7.
Rubber filaments, Production of. M. Draemann. 2,178,955; Nov. 7.
Rubber, Preserving. W. P. ter Horst. 2,178,545; Nov. 7.
Saddle post assembly. W. H. Baumker. 2,178,678; Nov. 7.
Safety lock for chain type coal cutting machines. O. K. Sifers and J. G. Starr. 2,179,433; Nov. 7.
Safety mechanism for improving the dirigibility of ships, submarines, and aircraft. H. C. Briggs. 2,178,555; Nov. 7.
Safety switch. R. A. Millermaster. 2,178,600; Nov. 7.
Sal ammoniac from gas liquor, Recovering. C. H. Helmbach and N. B. Thompson. 2,179,183; Nov. 7.
Salts of cellulose ether carboxylic acids, Manufacture of. J. Voss. 2,179,457; Nov. 7.
Saw, Bone. E. R. D'Amato. 2,179,250; Nov. 7.
Scaffold apparatus, Shiftable. J. P. J. Dyer. 2,178,956; Nov. 7.
Scaffold hanger. F. Boomgarden. 2,179,173; Nov. 7.
Scale, Automatic. M. T. Thorsson and A. C. Holt. 2,178,765; Nov. 7.
Screen structure for television and like purposes, Mosaic. H. E. Holman. 2,179,090; Nov. 7.
Seal, Bottle. P. J. Marks. 2,179,158; Nov. 7.
Seal, Hydraulic plunger. R. Chilton. 2,178,953; Nov. 7.
Seal, Pipe joint. A. W. Simpson. 2,179,202; Nov. 7.
Sealing machine. E. E. Hogg. 2,178,664; Nov. 7.
Seam pressing and reinforcing machine. A. Eppler, Jr. 2,178,746; Nov. 7.
Seat: *See*—
Adjustable seat.
Selector for automatic phonographs, Sequence. H. J. Cloer. 2,178,886; Nov. 7.
Selvage forming device. W. T. Sullivan. 2,179,069; Nov. 7.
Separator: *See*—
Centrifugal separator.
Separator, Operating a centrifugal. W. E. Smith. 2,179,436; Nov. 7.
Servomotor for the remote control of aircraft. E. Fischel and J. Thiry. 2,179,179; Nov. 7.
Sewing machine. J. P. Wels and F. F. Zeier. 2,179,392; Nov. 7.
Sewing machine, Lock stitch. C. F. Rubel and C. C. Smith. 2,178,543; Nov. 7.
Sewing machine, Lock stitch. C. F. Rubel. 2,178,544; Nov. 7.
Shackle, Spring. B. D. McIntyre. 2,178,692; Nov. 7.

Shaft construction and operation. L. Ranney. 2,179,020; Nov. 7.
Shafts, Sinking. A. H. Riney and M. O. Johnson. 2,179,077; Nov. 7.
Shape-retaining device for hats. R. L. Knibloe. 2,178,860; Nov. 7.
Shaping machine for sole-shaped shoe parts. W. P. Osgood. 2,179,132; Nov. 7.
Sharpener, Pencil. E. L. Theobald. 2,179,140; Nov. 7.
Sharpener, Tool. C. P. Nieder and M. J. Orr. 2,178,937; Nov. 7.
Shaving device. E. J. Te Pas. 2,178,976; Nov. 7.
Sheet detector. J. R. Wood and C. W. Harrold. 2,178,713; Nov. 7.
Sheet for maps, timetables, and the like, Folded. C. Bonnaire. 2,179,172; Nov. 7.
Sheet material, Operating on. C. M. Yoder. 2,179,461; Nov. 7.
Shockproof container car, Safety. W. P. Kellett. 2,178,690; Nov. 7.
Shockproof dial indicator. A. H. Emery. 2,178,745; Nov. 7.
Shoe. J. H. Everston. 2,178,629; Nov. 7.
Shoe attachment. H. Farlin. 2,179,178; Nov. 7.
Shoe, Cementing. H. K. Pieper. 2,179,017; Nov. 7.
Shoe construction. J. S. Waversack. 2,179,391; Nov. 7.
Shoes, Apparatus for lasting. J. M. Rohrer. 2,178,609; Nov. 7.
Shore jack. L. S. Holmboe. 2,178,792; Nov. 7.
Shunt for measuring instruments, Adjustable magnetic. F. S. Stickney and H. L. Bernarde. 2,179,305; Nov. 7.
Side discharge body. B. E. Phelps. 2,179,300; Nov. 7.
Sifter or conveyer device. J. Wölz. 2,179,442; Nov. 7.
Sign: *See*—
Swinging sign.
Sign. S. F. Arbuckle. 2,178,715; Nov. 7.
Sign character. G. W. Frost. 2,178,684; Nov. 7.
Signal device, Automobile. D. E. Reed. 2,179,022; Nov. 7.
Signal lamp. J. C. Schellin. 2,178,897; Nov. 7.
Signal system. A. G. Manke. 2,179,298; Nov. 7.
Signal transmission method and apparatus. A. G. Cooley. 2,179,445; Nov. 7.
Signaling apparatus, Railway. W. P. Place and A. J. Sorensen. 2,178,806; Nov. 7.
Signaling system, Mechanism for operating an electrical. J. M. Gustafson. 2,178,854; Nov. 7.
Signaling system, Secrecy. C. C. Taylor and S. B. Wright. 2,179,106; Nov. 7.
Silicon carbide and manufacture thereof. R. C. Benner, R. L. Melton, and J. A. Boyer. 2,178,773; Nov. 7.
Silk, Manufacture of artificial. J. J. Polak and J. G. Weeldenburg. 2,179,195–6; Nov. 7.
Silver halide emulsion for color photography. W. Schneider and A. Fröhlich. 2,179,244; Nov. 7.
Sirups, Manufacture of. L. Stein, J. F. Walsh, and H. C. Needle. 2,179,203; Nov. 7.
Sleeping bag. N. E. Phillips and P. K. Faerber. 2,179,424; Nov. 7.
Slicer and French fried potato cutter, Vegetable. E. J. Montague. 2,179,050; Nov. 7.
Slicing. C. W. Savery. 2,178,920; Nov. 7.
Slider for separable fasteners. J. Brozek. 2,178,948; Nov. 7.
Slider, Separable fastener. J. Brozek. 2,178,949; Nov. 7.
Slipper, Bathtub. C. J. Jesnig. 2,179,124; Nov. 7.
Snap-action device. G. A. Nelson. 2,179,099; Nov. 7.
Soaking pit cover, Suspended. L. S. Longenecker. 2,178,668; Nov. 7.
Soap and the like, Apparatus for making. B. Clayton. 2,178,988; Nov. 7.
Soap, Making. B. Clayton. 2,178,987; Nov. 7.
Socket, Electric output. T. E. Raymond. 2,179,197; Nov. 7.
Sockets, Making snap fastener. D. I. Reiter. 2,178,918; Nov. 7.
Soda, Purifying caustic. I. E. Muskat and W. F. Waldeck. 2,178,694; Nov. 7.
Soil conservation device. L. W. Pepper. 2,178,863; Nov. 7.
Soldering iron. J. Shimps, Jr. 2,178,814; Nov. 7.
Sole pressing machine. L. F. Exley. 2,178,568; Nov. 7.
Sole-pressing machine. L. F. Exley. 2,178,990; Nov. 7.
Solids, Fractionation or classification of finely divided. S. C. Lyons. 2,179,154; Nov. 7.
Speed indicator. V. Rumchaks. 2,179,103; Nov. 7.
Speed reducing mechanism. F. Travnicek. 2,178,657; Nov. 7.
Speed transmission, High-ratio variable. P. B. Reeves. 2,179,053; Nov. 7.
Speed transmission mechanism, Variable. B. E. Ronning and R. C. Mealey. 2,179,301; Nov. 7.
Speed transmission, Variable. W. E. Ewart. 2,178,784; Nov. 7.
Speed transmission, Variable. M. P. Whitney. 2,178,712; Nov. 7.
Speed transmission mechanism, Variable. A. F. Boho. 2,179,171; Nov. 7.
Spot welding control, Electronic. J. W. Dawson. 2,179,282; Nov. 7.
Spout for cans, Adjustable. G. H. Cary. 2,179,280; Nov. 7.
Spray, Door check deodorizing. S. N. Feldstein. 2,178,888; Nov. 7.
Spring device for vehicles. T. V. Cox and W. M. Neale. 2,178,562; Nov. 7.
Squeegee cleaning tool. H. Siemund. 2,179,223; Nov. 7.
Stand: *See*—
Bobbin stand. Portable stand.
Stand head. K. Schencke. 2,179,426; Nov. 7.
Staple forming and driving machine, Combined. A. F. Fischer. 2,179,036; Nov. 7.
Steam trap. T. W. Clark. 2,179,145; Nov. 7.
Steel and other alloys, Quenching. C. W. Wilson. 2,178,925; Nov. 7.
Steel, Making. J. C. Vignos. 2,179,167; Nov. 7.
Steel, Pickling of. D. C. Hilty. 2,178,791; Nov. 7.
Steering wheel. J. W. Kaye. 2,179,013; Nov. 7.
Stenciling apparatus. H. W. Schneider. 2,179,222; Nov. 7.
Step or rung. C. F. Keuthan. 2,179,412; Nov. 7.
Stereoscopic shift. W. Bader and R. Licher. 2,178,867; Nov. 7.
Stick-holding rack. E. L. Elwell. 2,179,210; Nov. 7.
Stocking protector. H. R. Taylor. 2,179,027; Nov. 7.
Stop mechanism for knitting machines. M. Wachsman. 2,178,982; Nov. 7.
Stop motion and tensioning device, Combined. M. Wachsman. 2,178,981; Nov. 7.
Stove. S. F. Jackes. 2,178,635; Nov. 7.
Striker. L. R. Rhein. 2,178,919; Nov. 7.
Strip coiling machine, Hot. E. B. Hudson. 2,179,011; Nov. 7.
Strip feeding and controlling mechanism for typewriting machines. C. R. Mabon. 2,179,155; Nov. 7.
Strip material, Method and apparatus for vulcanizing. J. M. Bierer. 2,179,443; Nov. 7.
Strips, Method and apparatus for drawing. A. Simons. 2,178,674; Nov. 7.
Strophanthus glucoside and its manufacture. A. Stoll and J. Renz. 2,179,204; Nov. 7.
Sugar solutions, Decolorizing. H. O. Kauffmann. 2,178,587; Nov. 7.
Sulpho-halogenated mono-esters and improved lubricants containing same, Manufacture of. H. G. Smith and T. L. Cantrell. 2,179,062; Nov. 7.
Sulphonates of mineral oil extracts and making. R. L. Brandt. 2,179,174; Nov. 7.
Superheterodyne detector. K. W. Jarvis and R. M. Blair. 2,178,995; Nov. 7.
Support: *See*—
Adjustable support. Wall support.
Arch support. Wire tong support.
Door buck support.
Support for electron-discharge tubes, Mount. W. L. Krahl. 2,178,837; Nov. 7.
Support for fishing rods and poles. G. E. Strandt. 2,178,655; Nov. 7.
Support for radio-tube mounts, Shock-absorbing. W. L. Krahl. 2,178,836; Nov. 7.
Surface treatment of magnesium and magnesium base alloys. M. Tosterud. 2,178,977; Nov. 7.
Sweeper, Carpet. F. W. Pullen. 2,178,917; Nov. 7.
Switch. J. Singer. 2,179,385; Nov. 7.
Switch for dynamo-electric machines, Reversing. J. H. Blankenbuehler. 2,179,320; Nov. 7.
Switch plate, Electrical. J. M. Reed. 2,179,198–9; Nov. 7.
Switching device, Electromagnetic. P. W. Swenson. 2,178,656; Nov. 7.
Swinging sign. C. W. Glasgow. 2,178,751; Nov. 7.
Switch: *See*—
Safety switch.
Switching mechanism. A. E. Baak. 2,178,825; Nov. 7.
Synchronized motor. T. A. Reid. 2,179,350; Nov. 7.
Table construction. M. W. Fichman. 2,178,570; Nov. 7.
Table receptacle, Dining. A. L. Kitselman, II. 2,179,188; Nov. 7.
Tag, Sealed. M. Rubinoff. 2,178,810; Nov. 7.
Tailer. L. Wulff. 2,179,394; Nov. 7.
Tampon. V. E. Robinson. 2,178,704; Nov. 7.
Tank: *See*—
Fuel supply tank.
Tank filler spout cap. J. M. Shoemaker. 2,179,136; Nov. 7.
Tanning agents and producing them. F. W. Guthke. 2,179,038; Nov. 7.
Tanning material and by-products derived therefrom, Preparing. L. R. B. Hervey. 2,178,874; Nov. 7.
Tap, and method for use in making lock nuts. R. A. MacDonald. 2,179,157; Nov. 7.
Tape stripping, measuring, and severing device. B. De Mattia. 2,178,722; Nov. 7.
Telegraphy, System of. I. W. Conrad. 2,178,989; Nov. 7.
Telephone transmitter. A. C. Reid. 2,179,102; Nov. 7.
Television apparatus. R. L. Campbell. 2,178,736; Nov. 7.
Television apparatus. W. A. Tolson. 2,178,766; Nov. 7.
Television receiving apparatus. P. M. G. Toulon. 2,179,205; Nov. 7.
Television system. R. D. Kell. 2,178,758; Nov. 7.
Temperature compensated indicating instrument. H. Loen. 2,178,799; Nov. 7.
Temperature control device. J. Eaton. 2,179,285; Nov. 7.
Tenter clip. H. A. MacKnight. 2,178,892; Nov. 7.
Terrazzo construction. T. V. Galassi. 2,179,289; Nov. 7.
Testing device. J. H. Miller. 2,179,048; Nov. 7.

Tetrachlorethylene, Producing. G. Basel and E. Schaeffer. 2,178,622; Nov. 7.
Therapeutic composition and making it. D. A. Scott and A. M. Fisher. 2,179,384; Nov. 7.
Thermionic valve circuit. A. D. Blumlein. 2,178,985; Nov. 7.
Thermometer casing and tank sanitary fitting combination. G. J. Oestreicher. 2,178,697; Nov. 7.
Thread, Method and apparatus for tensioning and winding resilient. E. J. Joss. 2,179,094; Nov. 7.
Thread tension unit for shuttles. R. G. Turner. 2,179,359; Nov. 7.
Time recorder, Autograph. E. J. Von Pein. 2,178,768; Nov. 7.
Timing device for control circuits. R. H. Gerard. 2,178,890; Nov. 7.
Tire, Pneumatic. J. R. Munés and B. P. Marchant. 2,179,192; Nov. 7.
Tire and cord tire fabric, Pneumatic cord. H. T. Kraft. 2,179,374; Nov. 7.
Tire-tube testing case, Pneumatic. A. D. Enriquez and P. Sussman. 2,178,853; Nov. 7.
Titanium tetrachloride, Decolorizing. F. Gage. 2,178,685; Nov. 7.
Tone generator. G. R. Stibitz. 2,179,237; Nov. 7.
Tool: *See*—
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Gear generating tool. Squeegee cleaning tool.
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Tool for blind slats, Cleaning. A. A. Breuer. 2,178,849; Nov. 7.
Tools, Tripping and setting. R. N. Scott. 2,178,999; Nov. 7.
Tooth brush, Electric. B. Doran. 2,179,402; Nov. 7.
Tooth filling. W. G. Turner. 2,178,821; Nov. 7.
Tooth paste or shaving cream dispenser. A. R. Kach. 2,179,012; Nov. 7.
Toothpick dispenser. B. G., G. E., and M. H. Velin. 2,178,944; Nov. 7.
Toy aerial. A. E. Almgren. 2,178,551; Nov. 7.
Tractor. J. H. McCullough. 2,179,159; Nov. 7.
Traffic controlling apparatus, Railway. H. S. Young. 2,179,462; Nov. 7.
Trailer. F. E. Johnson. 2,179,410; Nov. 7.
Trailer coupling. W. E. Miller. 2,178,726; Nov. 7.
Transmitters, Control means for. D. E. Watts. 2,179,363; Nov. 7.
Transom controller. C. W. Ward. 2,179,206; Nov. 7.
Transportation equipment. W. C. McMurry. 2,179,047; Nov. 7.
Trap: *See*—
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Tray, Nursing. F. S. Schade. 2,178,812; Nov. 7.
Tray, Serving. J. S. and O. W. Ponten. 2,179,273; Nov. 7.
Trowel. G. J. Shaffer. 2,178,899; Nov. 7.
Truck, Lift. G. G. Raymond and W. C. House. 2,178,647; Nov. 7.
Truing mechanism, Continuous. B. A. Kearns. 2,178,875; Nov. 7.
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Tube cleaner. J. F. Mattern and V. H. Baker. 2,178,801; Nov. 7.
Tube holding structure and lock. J. M. Bandish and O. Markel. 2,179,248; Nov. 7.
Tubes, Coating luminescent. T. W. Frech. 2,179,288; Nov. 7.
Tubes from columbium containing austenitic chromium nickel alloy steel and product thereof, Making seamless. V. B. Browne. 2,179,114; Nov. 7.
Tubing. H. H. Henry. 2,178,935; Nov. 7.
Tubing, Apparatus for manufacturing finned. P. V. Osborn. 2,178,671; Nov. 7.
Tubing hanger. H. C. Block. 2,178,549; Nov. 7.
Tubing head. A. J. and K. T. Penick. 2,178,698; Nov. 7.
Tubing head. A. J. and K. T. Penick. 2,178,700; Nov. 7.
Tubular boiler. A. P. Victor. 2,178,619; Nov. 7.
Tuyère. K. Steinbacher. 2,178,654; Nov. 7.
Two-tube deflecting circuit. H. Bähring. 2,178,772; Nov. 7.
Typewriting and computing machine, Combined. H. L. Pitman. 2,178,702; Nov. 7.
Typewriting machine. W. A. Dobson. 2,178,681–2; Nov. 7.
Typewriting machine. W. F. Helmond. 2,178,688–9; Nov. 7.
Typewriting machine. C. R. Mabon. 2,179,156; Nov. 7.
Typewriting machine. D. Y. Read. 2,179,021; Nov. 7.
Underreamer. W. B. Dunlap, Jr. 2,178,852; Nov. 7.
Unloader, Pneumatic. B. F. Gregoric. 2,179,408; Nov. 7.
Upholstery. C. H. Gerlofson. 2,179,148; Nov. 7.
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Valve. J. W. MacClatchie. 2,178,876; Nov. 7.
Valve. G. Sifkovitz. 2,179,165; Nov. 7.
Valve. F. L. White. 2,179,460; Nov. 7.
Valve and tester, Combination relief. J. F. Webster. 2,178,901; Nov. 7.
Valve converting system, Electric. C. H. Willis. 2,179,366; Nov. 7.
Valve seat inset. R. W. Myers. 2,178,895; Nov. 7.
Valve stop, Adjustable throttle. E. H. Nieman. 2,179,380; Nov. 7.
Valve structure, Safety control and oil leveling. G. W. Whitehurst. 2,179,207; Nov. 7.
Valve, Tappet. J. H. Hoern. 2,178,724; Nov. 7.
Vapor electric device. H. A. Rose. 2,179,302; Nov. 7.
Vapor electric device. A. H. Toepfer. 2,179,310; Nov. 7.
Variable condenser. R. C. Sprague. 2,179,068; Nov. 7.
Vegetables, Treating. J. A. Thomas. 2,178,675; Nov. 7.
Vehicle. J. W. Leighton. 2,179,016; Nov. 7.
Vehicle direction indicator. W. E. Oshei. 2,179,345; Nov. 7.
Vehicle door latch. H. W. Rightmyer. 2,179,352; Nov. 7.
Velocipede structure. S. A. Snell. 2,178,707–9; Nov. 7.
Vibration absorption device. J. A. Germonprez. 2,179,469; Nov. 7.
Vinylacetylene, Hydrohalogenation of. W. H. Carothers and A. M. Collins. 2,178,737; Nov. 7.
Voltage control means for X-ray apparatus. C. B. Horsley. 2,179,333; Nov. 7.
Voltage stabilizing network. O. Schmutz and O. Werner. 2,179,353; Nov. 7.
Wall support. C. W. Dunlap. 2,178,782; Nov. 7.
Warning device for motor vehicles. S. H. Caldwell. 2,178,986; Nov. 7.
Wash line coupling. K. Vey. 2,179,107; Nov. 7.
Watch ornamentation, Diamond studded. H. B. Helt. 2,179,294; Nov. 7.
Water closet combination, Close connected. B. O. Tilden. 2,179,309; Nov. 7.
Water heater. U. G. Rogers. 2,179,274; Nov. 7.
Water treating apparatus. S. B. Applebaum. 2,179,246; Nov. 7.
Wave receiving system, Modulated carrier. L. E. Thompson. 2,179,277; Nov. 7.
Web feeding and conditioning device. J. W. Smith. 2,178,922; Nov. 7.
Welding apparatus. M. L. Eckman. 2,179,326; Nov. 7.
Welding, High speed. H. Diamond. 2,179,284; Nov. 7.
Welding machine. C. B. Marvin and E. J. Podany. 2,178,877; Nov. 7.
Welding machine, Electric resistance. H. A. Delano. 2,179,117; Nov. 7.
Welding system. M. S. Hancock. 2,179,331; Nov. 7.
Well bit. T. A. Creighton and T. E. McMahan. 2,179,010; Nov. 7.
Well cap. E. W. McWilliams. 2,179,191; Nov. 7.
Well cementing shoe. R. C. Baker. 2,178,846; Nov. 7.
Well flowing valve. T. E. Bryan. 2,179,226; Nov. 7.
Well head. A. J. and K. T. Penick. 2,178,699; Nov. 7.
Well slotter. C. P. Bowie. 2,178,553–4; Nov. 7.
Wheel: *See*—
Grinding wheel. Steering wheel.
Wheel attachment, Tractor. L. Bahensky. 2,179,170; Nov. 7.
Wheel truing apparatus, Grinding. L. E. Paine. 2,178,842; Nov. 7.
Whipper. F. Rodwick. 2,179,383; Nov. 7.
Winch. M. B. Benson. 2,179,082; Nov. 7.
Wind wheel generator. E. M. Claytor. 2,178,679; Nov. 7.
Wiper, Windshield. E. C. Horton. 2,179,451; Nov. 7.
Wiper, Windshield. W. Paulus. 2,179,454; Nov. 7.
Wire cleaning device. F. P. Leahey. 2,178,912; Nov. 7.
Wire drawing machinery. G. W. Penney. 2,179,348; Nov. 7.
Wire insulating machinery, Magnet. J. J. Keyes. 2,179,334; Nov. 7.
Wire stretcher. B. W. Stewart. 2,179,438; Nov. 7.
Wire tong support. E. J. De Right and M. T. Tipsord. 2,179,251; Nov. 7.
Wood pulp, Bleaching. J. Schuber. 2,178,649; Nov. 7.
Wrench for coupling sucker rods. A. L. Barrington. 2,179,396; Nov. 7.
X-ray apparatus. R. J. Stava. 2,179,357; Nov. 7.
Yarn, Asbestos. W. A. Gibbons. 2,179,087; Nov. 7.
Yarn guiding, conditioning, and tensioning device. J. M. Seasholtz. 2,179,276; Nov. 7.
Yarn, Method and means for making drafted. A. Allwood. 2,179,078; Nov. 7.
Zone control system. J. P. Kriechbaum. 2,179,044; Nov. 7.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 7, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1939

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Agfa Ansco Corporation, Binghamton, N. Y. Photographic goods. Serial No. 423,405; Nov. 14. Class 26.

Allen, C. (See Troutman, Clint.)

American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Base metal chain. Serial Nos. 423,196–7; Nov. 14. Class 13.

American Fork & Hoe Company, The, Cleveland, Ohio. Hand tools. Serial Nos. 423,047–8; Nov. 14. Class 23.

American Hard Rubber Company, Hempstead and New York, N. Y. Developing and fixing trays, developing and fixing tanks, and boxes. Serial Nos. 423,079–80; Nov. 14. Class 26.

American Optical Company, Southbridge, Mass. Ophthalmic lenses and blanks for ophthalmic lenses. Serial No. 421,062; Nov. 14. Class 26.

American Rust Eradicator Co., Auburn, N. Y. Preparation for use in removing rust and stains from metal. Serial No. 422,802; Nov. 14. Class 6.

American Stove Company, St. Louis, Mo. Domestic gas ranges. Serial No. 423,543; Nov. 14. Class 34.

Anaconda Wire & Cable Co., New York, N. Y. Insulated electrical wire and cable. Serial Nos. 423,747–8; Nov. 14. Class 21.

Arnold, Schwinn & Company, Chicago, Ill. Bicycles. Serial No. 396,063; Nov. 14. Class 19.

Austin, H. A., Company, Incorporated, The, Worcester, Mass. Breast forms. Serial No. 421,837; Nov. 14. Class 40.

Automatic Canteen Company of America, Chicago, Ill. Weighing scales. Serial Nos. 422,885–6; Nov. 14. Class 26.

Amedee, Fernand G., doing business as Stonebraker Chemical Company, Baltimore, Md. Preparation for the removal of round worms. Serial No. 420,798; Nov. 14. Class 6.

Bacon Wood Products Company, Inc., The, now by change of name, to The E. H. Jacobs Manufacturing Corporation, Johnson City, Tenn. Loom supplies. Serial No. 384,577; Nov. 14. Class 23.

Baum, W. A., Co. Inc., New York, N. Y. Sphygmomanometers. Serial No. 424,077; Nov. 14. Class 44.

Beech-Nut Packing Company, Canajoharie, N. Y. Candy. Serial No. 423,546; Nov. 14. Class 46.

Berlo Cosmetic Products, Inc., New York, N. Y. Bath tablets. Serial No. 418,509; Nov. 14. Class 6.

Besseghini, Joseph, doing business as Indian Grill Products Company, Colorado Springs, Colo. Salad dressing. Serial No. 422,462; Nov. 14. Class 46.

Better Citizenship Association, The, Cleveland, Ohio. Periodical. Serial No. 423,202; Nov. 14. Class 38.

Big Bill Tackle Co. (See Marshall-Wells Company.)

Bird & Son, Inc., East Walpole, Mass. Floor covering and wall covering. Serial No. 422,850; Nov. 14. Class 20.

Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweepers. Serial No. 422,980; Nov. 14. Class 23.

Boehringer, C. H., Sohn, Ingelheim-on-the-Rhine, Germany. Preparation in ampule form used as a circulation treatment. Serial No. 423,369; Nov. 14. Class 6.

Borden Company, The, New York, N. Y. Evaporated milk. Serial No. 423,254; Nov. 14. Class 46.

Boston Envelope Company, doing business as Boston Drinking Cup Company, Dedham, Mass. Paper drinking cups. Serial No. 415,828; Nov. 14. Class 2.

British Vacuum Cleaner & Engineering Company Limited, The, London, England. Machinery of all kinds and parts of machinery. Serial No. 403,675; Nov. 14. Class 21.

Bruce's Juices, Inc., Tampa, Fla. Canned fruit and vegetable juices. Serial No. 423,122; Nov. 14. Class 46.

Budwell Pharmacal Company. (See Morton Manufacturing Corporation.)

Bullard, John F., doing business as Midwest Mills, Chicago, Ill. Mineral feed supplement for livestock and poultry. Serial No. 422,733; Nov. 14. Class 46.

Bunte Brothers, Chicago, Ill. Candy. Serial No. 423,551; Nov. 14. Class 46.

C and C Motor Sales, Dundee, Mich. Automobile towbars, tow ropes, tow chains, etc. Serial No. 419,571; Nov. 14. Class 23.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 423,124; Nov. 14. Class 6.

Callaway Mills, LaGrange, Ga. Textile fabrics. Serial No. 406,498; Nov. 14. Class 42.

Carrom Industries, Inc., Ludington, Mich. Board game. Serial No. 423,655; Nov. 14. Class 22.

Ceramic Products Company, Kewaunee, Wis. Ceramic ware. Serial No. 422,623; Nov. 14. Class 26.

Central California Producers, Oakland, Calif. Beverages and beverage bases containing fruit and vegetable juices. Serial No. 416,947; Nov. 14. Class 45.

Chicago Mail Order Company, Chicago, Ill. Women's hosiery. Serial No. 422,891; Nov. 14. Class 39.

Chicago Upholsterers Supply Co., Chicago, Ill. Upholstery, pillow and mattress springs, and spring units. Serial Nos. 423,410–1; Nov. 14. Class 32.

Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tools and bearings for machine tools. Serial No. 423,125; Nov. 14. Class 23.

Cobb, W. R., Company, Providence, R. I. Jewelry and jewelers' findings. Serial No. 407,261; Nov. 14. Class 28.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 423,458; Nov. 14. Class 42.

Coleman Boat Company, Inc., New York, N. Y. Sailboats, row boats, and skiffs. Serial No. 423,723; Nov. 14. Class 19.

Collins, Ashton B., Birmingham, Ala. Books, circulars, advertising matter and the like. Serial No. 421,798; Nov. 14. Class 38.

Comic Favorites, Inc., New York, N. Y. Comic strips. Serial No. 423,328; Nov. 14. Class 38.

Compressed Products Corp., New York, N. Y. Sanitary napkins. Serial No. 422,538; Nov. 14. Class 44.

Cossack Products. (See Vandewart, Mark.)

Courtaulds, Limited, London, England. Chemical substances. Serial No. 423,799; Nov. 14. Class 6.

Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat breakfast food. Serial No. 423,696; Nov. 14. Class 46.

Crown Zellerbach Corporation, doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper for meat. Serial No. 407,715; Nov. 14. Class 37.

Currick & Leiken Co. Inc., New York, N. Y. Sport jackets, sport suits, slacks, etc. Serial No. 423,163; Nov. 14. Class 39.

Davidson, Joseph, New York, N. Y. Toy vehicles. Serial No. 424,296; Nov. 14. Class 22.

Demely, Louis A., doing business as Hycin Laboratories, Baltimore, Md. Automobile polish. Serial No. 422,988; Nov. 14. Class 16.

Drivness, Franklin J., doing business as Franklin Chemical Co., Rochester, N. Y. Alkaline powdered water softener. Serial No. 422,201; Nov. 14. Class 6.

Duro Test Corporation, North Bergen, N. J. Special electrical combination of a reactor and relay in a single unit. Serial No. 422,812; Nov. 14. Class 21.

Electrical Facilities Inc., Oakland, Calif. Alternating current rectifiers. Serial No. 423,090; Nov. 14. Class 21.

Elgin Windmill Company, Elgin, Ill. Windmills, pump jacks, galvanized steel towers, etc. Serial No. 422,129; Nov. 14. Class 23.

Endo Products, Inc., New York, N. Y. Preparation used in the treatment of vitamin B deficiency conditions. Serial No. 423,091; Nov. 14. Class 6.

Ensign, Limited, London, England. Cameras and parts thereof, and sensitized films. Serial No. 421,480; Nov. 14. Class 26.

Eppens, Smith Company, Inc., New York, N. Y. Paper blanks for making bags. Serial No. 408,458; Nov. 14. Class 37.

Esmond, Gundlach and Company. (See Gundlach, George P.)

Even-Pul Foundations, Inc., New York, N. Y. Corselets, foundation garments, brassières, etc. Serial No. 423,495; Nov. 14. Class 39.

Fischer Bed Spring Company, Pittsburgh, Pa. Bed springs. Serial No. 424,395; Nov. 14. Class 32.

Fleming Manufacturing Company, East Providence, R. I. Crankcase ventilating systems. Serial No. 422,507; Nov. 14. Class 23.

Florasynth Laboratories Inc., New York, N. Y. Vanilla flavoring powders. Serial No. 420,634; Nov. 14. Class 46.

Fort Pitt Bedding Company, Pittsburgh, Pa. Mattresses. Serial No. 422,307; Nov. 14. Class 32.

Franklin Chemical Co. (See Drivness, Franklin J.)

Gerber, Sidney, doing business as Gerber Bros., Seattle, Wash. Skis and other sporting goods. Serial No. 417,757; Nov. 14. Class 22.

Golf Ball, Inc., Chicago, Ill. Golf balls. Serial No. 423,698; Nov. 14. Class 22.

Golofsky, Max doing business as Rock Island Tobacco Company, Rock Island, Ill. Cigars, cigarettes, and chewing and smoking tobacco. Serial No. 421,771; Nov. 14. Class 17.

Gondola Olive Oil Co., San Diego, Calif. Olive oil. Serial No. 420,482; Nov. 14. Class 46.

Gratz, Wm. R., Import Company, New York, N. Y. Musical instruments and parts of instruments. Serial No. 422,931; Nov. 14. Class 36.

Greensboro Overall Company, Inc., Greensboro, N. C. Overalls, dungarees, and work pants. Serial No. 422,208; Nov. 14. Class 39.

Gretsch & Brenner, Inc., New York, N. Y. Clarinets, bass clarinets, oboes, etc. Serial No. 422,544; Nov. 14. Class 36.
Gundlach, George P., doing business as Esmond, Gundlach and Company, Norwood, Cincinnati, Ohio. Milk. Serial No. 413,306; Nov. 14. Class 46.
Guptill, R. P., Genoa City, Wis. Oil or gas house heating plants. Serial No. 421,774; Nov. 14. Class 34.
Haloid Company, The, Rochester, N. Y. Light sensitive paper. Serial No. 423,728; Nov. 14. Class 26.
Hartford Products Corporation, The, Hartford, Conn. Filter rods and strainers therefor for coffee makers. Serial No. 417,057; Nov. 14. Class 13.
Heekin Company, The, Cincinnati, Ohio. Baking powder. Serial No. 423,809; Nov. 14. Class 46.
Hembeck, Wilh., Söhne, Gevelsberg, Germany. Plantation hewers. Serial No. 421,140; Nov. 14. Class 23.
Herbert Manufacturing Company, New York, N. Y. Rayon and cotton piece goods. Serial Nos. 420,952–3; Nov. 14. Class 42.
Hichell Co., The, Boston, Mass. Dental and surgical flashlights. Serial No. 423,464; Nov. 14. Class 44.
Hickok Manufacturing Company, Inc., Rochester, N. Y. Braces, garters, and apparel belts. Serial No. 423,266; Nov. 14. Class 39.
Hill, Horace W., Newton Highlands, Mass. Rackets. Serial No. 421,608; Nov. 14. Class 22.
Hobson-McFarland Tractor Company, Kansas City, Mo. Lubricating greases. Serial No. 421,878; Nov. 14. Class 15.
Hoffman, J. L., Company, Allentown, Pa. Fowl medicine. Serial No. 420,906; Nov. 14. Class 6.
Howard Brothers, Idaho Falls, Idaho. Potatoes. Serial No. 423,059; Nov. 14. Class 46.
Hunt, Vernon B., doing business as Tidy House Products Co., Des Moines, Iowa. Liquid silver polish, window cleaner, rug and upholstery shampoo, etc. Serial No. 421,043; Nov. 14. Class 4.
Hussmann-Ligonier Company, St. Louis, Mo. Refrigerated display cases. Serial No. 424,042; Nov. 14. Class 31.
Hussmann-Ligonier Company, St. Louis, Mo. Refrigerated display cases. Serial No. 424,045; Nov. 14. Class 31.
Hycin Laboratories. (See Demely, Louis A.)
Hygienic Supplies Corporation, Albany, N. Y. Pillows, mattresses, and cushions and pads for upholstery. Serial No. 423,952; Nov. 14. Class 32.
Ideal Shoe Co., Philadelphia, Pa. Shoes. Serial No. 422,628; Nov. 14. Class 39.
Independent Pneumatic Tool Company, Chicago, Ill. Hand operated portable electrically motor driven hammering tools. Serial No. 421,653; Nov. 14. Class 21.
Indian Grill Products Company. (See Besseghini, Joseph.)
International Harvester Company, Chicago, Ill. Tractors. Serial No. 423,665; Nov. 14. Class 23.
Irresistible, Inc., Jersey City, N. J. Perfume. Serial No. 423,953; Nov. 14. Class 6.
Jacobs, E. H., Manufacturing Corporation, The. (See Bacon Wood Products Company, Inc., The, assignor.)
Joseph & Feiss Company, The, Cleveland, Ohio. Topcoats and overcoats. Serial No. 423,138; Nov. 14. Class 39.
Kabusiki Kaisya Tyuoseisakusyo, Nagoya-si, Japan. Electrical converters. Serial No. 420,768; Nov. 14. Class 21.
Kaspar & Esh, Inc. Finger rings. Serial No. 422,751; Nov. 14. Class 28.
Kawahara Co., Los Angeles, Calif., and Honolulu, Hawaii. Preparation for relieving stomach and intestinal diseases. Serial No. 416,292; Nov. 14. Class 6.
Kensbey & Mattison Company, Ambler, Pa. Asbestos cements, asbestos papers, asbestos mill board, etc. Serial No. 422,363; Nov. 14. Class 12.
Kilborn-Sauer Company, The, Fairfield, Conn. Lamp lenses and reflectors, oil flares, etc. Serial No. 423,762; Nov. 14. Class 34.
Kimble Glass Company, Vineland, N. J. Scientific, laboratory, and graduated chemical glassware. Serial No. 416,856; Nov. 14. Class 26.
Kleinert, I. B., Rubber Company, New York, N. Y. Foundation garments, undergarments, bathing caps, etc. Serial No. 423,000; Nov. 14. Class 39.
La Compagnie Pharmaceutique Desbergers, Montreal, Quebec, Canada. Pharmaceutical product. Serial No. 424,010; Nov. 14. Class 6.
Lady Youth, Inc., New York, N. Y. Dresses. Serial No. 423,568; Nov. 14. Class 39.
Larus & Brother Company, Inc., Richmond, Va. Scripts for a series of radio broadcasts. Serial No. 422,413; Nov. 14. Class 38.
Lebanon Steel Foundry, Lebanon, Pa. Ferrous metal castings. Serial No. 423,501; Nov. 14. Class 14.
Lister, James R., New York, N. Y. Textile fabrics in the piece. Serial No. 423,425; Nov. 14. Class 42.
Long Island Mattress Co., Inc., Brooklyn, N. Y. Mattresses, springs, and studio couches. Serial No. 423,382; Nov. 14. Class 32.
Long Island Outfitting Co., Inc., Brooklyn, N. Y. Suits, overcoats, top coats, etc. Serial No. 423,503; Nov. 14. Class 39.
Lubri-Zol Corporation, The, Wickliffe, Ohio. Lubricating oils and greases, lubricating oil compounds, etc. Serial No. 422,139; Nov. 14. Class 15.
Mallinson Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 419,232; Nov. 14. Class 42.
Many, Blanc & Co., Inc., Chicago, Ill. Rum, whiskey, gin, etc. Serial No. 423,504; Nov. 14. Class 49.
Marshall-Wells Company, doing business as Big Bill Tackle Co., Duluth, Minn. Fishing lines. Serial No. 423,587; Nov. 14. Class 22.
May Oil Burner Corporation, Baltimore, Md. Fluid pumps and compressors and parts thereof. Serial No. 423,736; Nov. 14. Class 23.
McKay-Davis Company, Toledo, Ohio. Seltzer tablets. Serial No. 422,064; Nov. 14. Class 6.
McKesson Appliance Co., The, Toledo, Ohio. Electric equipment, together with duct and control systems for treating and diagnosing, etc. Serial No. 422,292; Nov. 14. Class 44.
McMillan, Eleanor M., doing business as McMillan Quality Products Co., Detroit, Mich. Facial pack. Serial No. 404,414; Nov. 14. Class 6.
Midwest Mills. (See Bullard, John F.)
Miller, Nat, doing business as Remil Storage Battery Co., Boston, Mass. Storage batteries. Serial No. 423,767; Nov. 14. Class 21.
Minami, H. Y., & Sons, Gaudalupe and San Luis Obispo, Calif. Fresh vegetables. Serial No. 423,533; Nov. 14. Class 46.
Minnesota Linseed Oil Paint Company, Minneapolis, Minn. Paints and varnishes. Serial No. 420,037; Nov. 14. Class 16.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. Serial No. 410,841; Nov. 14. Class 46.
Morton Manufacturing Corporation, doing business as Budwell Pharmacal Company, Lynchburg, Va. Emulsion of cod liver oil. Serial No. 423,226; Nov. 14. Class 6.
Morty, George A., Company, Miami, Fla. Insecticides. Serial No. 422,447; Nov. 14. Class 6.
Moss Stores, Inc., San Francisco, Calif. Ladies' hosiery. Serial No. 423,506; Nov. 14. Class 39.
Mount Hope Finishing Company, Dighton, Mass. Textile fabrics in the piece. Serial No. 423,434; Nov. 14. Class 42.
Musebeck Shoe Company, Danville, Ill. Boots and shoes. Serial No. 423,607; Nov. 14. Class 39.
Myles Salt Company, Limited, New Orleans, La. Salt. Serial No. 422,551; Nov. 14. Class 46.
National Billiard Supply Co., Chicago, Ill. Bowling pins. Serial Nos. 422,946–8; Nov. 14. Class 22.
National Biscuit Company, Newark, N. J. Bakery products. Serial No. 423,472; Nov. 14. Class 46.
National-Boston Lead Company, New York, N. Y. White lead, and oxides of lead. Serial No. 418,848; Nov. 14. Class 16.
National Lead Company, New York, N. Y. White lead and oxides of lead. Serial No. 418,725; Nov. 14. Class 16.
National Lead Company, New York, N. Y. White lead, red lead, liquid lead, etc. Serial No. 418,726; Nov. 14. Class 16.
National Lead Company, New York, N. Y. White lead, red lead, liquid lead, etc. Serial No. 418,728; Nov. 14. Class 16.
National Lead Company, New York, N. Y. White lead, and oxides of lead. Serial Nos. 418,729–31; Nov. 14. Class 16.
National Lead Company, New York, N. Y. White lead, and oxides of lead. Serial No. 418,736; Nov. 14. Class 16.
National Lead Company, New York, N. Y. White lead and oxides of lead. Serial No. 418,740; Nov. 14. Class 16.
National Lead Company, New York, N. Y. White lead, red lead, liquid lead, etc. Serial No. 418,741; Nov. 14. Class 16.
National Lead Company, New York, N. Y. White lead, and oxides of lead. Serial Nos. 418,742–3; Nov. 14. Class 16.
National Refining Company, The, Cleveland, Ohio. Fluid lubricant. Serial No. 422,710; Nov. 14. Class 15.
National Wax Company, Chicago, Ill. Wax composition for defeathering fowl or de-hairing animals. Serial No. 422,066; Nov. 14. Class 6.
Neill, James, & Co. (Sheffield) Limited, Sheffield, England. Safety razors and blades. Serial No. 422,951; Nov. 14. Class 23.
Neumann, Morton G., Chicago, Ill. Hair dressing pomade, hair oil, brilliantine, etc. Serial No. 418,165; Nov. 14. Class 6.
Newport Industries, Inc., Pensacola, Fla. Zinc-treated rosin solution in petroleum solvent. Serial No. 421,390; Nov. 14. Class 1.
New Richmond Roller Mills Company, New Richmond, Wis. Wheat cereals. Serial No. 416,738; Nov. 14. Class 46.
Nieberg, Henry, New York, N. Y. Boys' jackets and coats. Serial No. 422,102; Nov. 14. Class 39.
Oberti, G., & Sons, Madera, Calif. Olive oil. Serial No. 422,148; Nov. 14. Class 46
Orth, Ph., Co., Milwaukee, Wis. Doughnut flour. Serial No. 422,672; Nov. 14. Class 46.
Osborn, C. D., Co., Chicago, Ill. Ladies' gloves. Serial No. 423,068; Nov. 14. Class 39.
Pacific Pipe Company, San Francisco, Calif. Metal pipe and pipe fittings. Serial No. 422,149; Nov. 14. Class 13.
Pearl City Plywood Co., Inc., Jamestown, N. Y. Plywood panels. Serial No. 423,572; Nov. 14. Class 12.

Pendle & Rivett Limited, London, England. Men's suits and overcoats. Serial No. 413,521; Nov. 14. Class 39.
Perkins Machine and Gear Company, West Springfield, Mass. Mechanical display signs. Serial No. 418,418; Nov. 14. Class 23.
Persha, David, Duluth, Minn. Canned and fresh fruits, and tea, coffee, etc. Serial No. 422,012; Nov. 14. Class 46.
Pevely Dairy Company, St. Louis, Mo. Milk, cream, cheese, etc. Serial No. 410,306; Nov. 14. Class 46.
Piggly Wiggly Corporation, The, Cincinnati, Ohio. Oleomargarine. Serial No. 409,695; Nov. 14. Class 46.
Pincus & Tobias, Inc., New York, N. Y. Ladies' shoes. Serial No. 422,864; Nov. 14. Class 39.
Plastic Lights, Inc., Toledo, Ohio. Gaseous discharge tubes and parts thereof. Serial No. 422,828; Nov. 14. Class 21.
Preservaline Manufacturing Co., The, New York, N. Y. Meat curing salts and liquids. Serial No. 423,115; Nov. 14. Class 6.
Prince, S. D., Co., Boston, Mass. Wearing apparel and furnishings. Serial No. 417,719; Nov. 14. Class 39.
Puritan Compressed Gas Corporation, Kansas City, Mo. Gases prepared for medical purposes. Serial No. 420,429; Nov. 14. Class 6.
Reed, Samuel, doing business as Reedo Medicine Company, Wilmington, Del. Dog medicines. Serial No. 422,909; Nov. 14. Class 6.
Reedo Medicine Company. (See Reed, Samuel.)
Remil Storage Battery Co. (See Miller, Nat.)
Remington Rand Inc., Buffalo, N. Y. Copyholders and parts thereof. Serial No. 423,034; Nov. 14. Class 37.
Revlon Products Corporation, New York, N. Y. Enamel adapted for coating finger nails and lipsticks. Serial No. 423,863; Nov. 14. Class 6.
Reynolds & Reynolds Company, The, Dayton, Ohio. Filing cases or cabinets. Serial No. 421,254; Nov. 14. Class 32.
Rich, Robert P., doing business as Rich Laboratories, Indianapolis, Ind. Shampoo type cleaner. Serial No. 423,143; Nov. 14. Class 4.
Rickmire, Ara P., Minneapolis, Minn. Machine for shaking or rocking the body and springs of a motor vehicle. Serial No. 421,616; Nov. 14. Class 23.
Rock Island Tobacco Company. (See Golofsky, Max.)
Ross Milling Company, The. (See Whitewater Flour Mills Co.)
Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Roofings, sidings, tilings, etc. Serial No. 423,831; Nov. 14. Class 12.
Rubinstein, Helena, Inc., New York, N. Y. Rubber rope for use in physical exercise. Serial No. 423,535; Nov. 14. Class 22.
Rugaard, Oswald L., doing business as Rugaard Mfg. Co., Lawrence, Mass. Floor sanding machinery and parts thereof. Serial No. 423,071; Nov. 14. Class 23.
Santa Anita Food Corporation, Anaheim, Calif. Canned vegetables. Serial No. 423,714; Nov. 14. Class 46.
Schoenhut, O., Inc., Philadelphia, Pa. Board game. Serial No. 424,278; Nov. 14. Class 22.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Sedative, expectorant, and bronchial medicament. Serial No. 423,235; Nov. 14. Class 6.
Shayne, John T., & Co., Chicago, Ill. Women's outer garments, and hats. Serial No. 422,381; Nov. 14. Class 39.
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, varnishes, lacquers, etc. Serial No. 419,163; Nov. 14. Class 16.
Shulton, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 418,393; Nov. 14. Class 6.
Simplex Valve & Meter Company, Philadelphia, Pa. Meters, ganges, and controlling devices. Serial No. 422,788; Nov. 14. Class 26.
Sinclair Manufacturing Company, The, Toledo, Ohio. Bleaching and disinfecting solutions. Serial No. 423,441; Nov. 14. Class 6.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Silk piece goods and crepe piece goods. Serial Nos. 423,678–9; Nov. 14. Class 42.
Smit, J. K., & Sons, Inc., New York, N. Y. Diamond bits, diamond tools, diamond wheels, etc. Serial No. 423,008; Nov. 14. Class 23.
Sokol & Co., Chicago, Ill. Food product similar to paprika. Serial No. 423,145; Nov. 14. Class 46.
Southern Clothing Manufacturers, Tampa, Fla. Shirts, pajamas, ensemble sets consisting of slacks and shirts, etc. Serial No. 423,611; Nov. 14. Class 39.
Sovex Food Products, Holly, Mich. Yeast-vegetable concentrate. Serial No. 422,523; Nov. 14. Class 46.
Spencer Lens Company, Buffalo, N. Y. Microscopes, Photographic cameras, and accessories, etc. Serial No. 404,959; Nov. 14. Class 26.
Stenno Ribbon & Carbon Mfg. Co., Portland, Oreg. Carbon paper. Serial No. 415,571; Nov. 14. Class 11.
Sterling Stores Co., Inc., Little Rock, Ark. Hosiery. Serial No. 415,233; Nov. 14. Class 39.
Stonebraker Chemical Company. (See Amedee, Fernand G.)
Strecker, Edward, New York, N. Y. Face powder, lipstick, face rouge, etc. Serial No. 422,917; Nov. 14. Class 6.
Style Garment Company Inc., Los Angeles, Calif. Ladies' cloaks, suits, and coats. Serial No. 422,605; Nov. 14. Class 39.
Sungas Company, Miami, Fla. Bottled gas. Serial No. 423,578; Nov. 14. Class 6.
Supreme Sanctorum Ancient Mystic Order of Samaritans, Inc., Niagara Falls, N. Y. Fraternity regalia. Serial No. 395,688; Nov. 14. Class 39.
Terol, Hijo de C. Gisbert, Alcoy, Spain. Cigarette paper. Serial No. 380,891; Nov. 14. Class 8.
Taylor Wine Company, The, Hammondsport, N. Y. Wines. Serial No. 423,778; Nov. 14. Class 47.
Tekniska Aktiebolaget Flora, Gavle, Sweden. Soap and soap powder. Serial No. 419,049; Nov. 14. Class 4.
Texas Canning Company, Brownsville and Falfurrias, Tex. Canned vegetables. Serial No. 417,239; Nov. 14. Class 46.
Thermo Cuber Company, Inc., Chicago, Ill. Ice cutting machines. Serial No. 423,779; Nov. 14. Class 23.
Tidy House Products Co. (See Hunt, Vernon B.)
Troutman, Clint, doing business as C. Allen, Joplin, Mo. Newspaper column. Serial No. 423,388; Nov. 14. Class 38.
United States Cabinet Bed Co., New York, N. Y. Mattresses. Serial No. 424,375; Nov. 14. Class 32.
Valley Fruit Company. (See Weir, William R.)
Vandam, Albert H., Co., Inc., New York, N. Y. Piece goods. Serial No. 422,874; Nov. 14. Class 42.
Vandewart, Mark, doing business as Cossack Products, New York, N. Y. Stomach bitters. Serial No. 423,282; Nov. 14. Class 6.
Wallbaum, Nellie, Cairo, Ill. Ladies' underwear, hosiery, and dresses. Serial No. 401,798; Nov. 14. Class 39.
Wehn, Geo., & Co., Pittsburgh, Pa. Linoleum. Serial No. 423,538; Nov. 14. Class 20.
Weir, William R., doing business as Valley Fruit Company, Pharr, Tex. Fresh citrus fruits and fresh vegetables. Serial No. 414,133; Nov. 14. Class 46.
Wella Corporation, The, New York, N. Y. Preparation used in the treatment of dry and brittle hair. Serial No. 423,347; Nov. 14. Class 6.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Supervisory control system and apparatus and switchboards for electrical apparatus. Serial Nos. 423,642–3; Nov. 14. Class 21.
White, Robert C., Falls of Schuylkill, Philadelphia, Pa. Medicinal tablets. Serial No. 422,765; Nov. 14. Class 6.
Whitehead Metal Products Company, Inc., New York, N. Y. Kitchen cabinets. Serial No. 421,468; Nov. 14. Class 32.
Whitewater Flour Mills Co., The, doing business as The Ross Milling Company, Ottawa, Kans. Wheat flour. Serial No. 423,321; Nov. 14. Class 46.
Wolf-Brown-Jones Corporation, New York, N. Y. Union suits, pajamas, nightgowns. Serial No. 422,920; Nov. 14. Class 39.
Wolf, Milton G., Chicago, Ill. Musical instrument strings. Serial No. 411,729; Nov. 14. Class 36.
Wurlitzer, Rudolph, Company, The, De Kalb, Ill. Pianos. Serial No. 422,730; Nov. 14. Class 36.
York, Henry H., and Company Proprietary Limited, Sydney, New South Wales, Australia. Culinary salt. Serial No. 423,718; Nov. 14. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc., Brooklyn, N. Y. Canned and dried fruits, canned vegetables, canned spaghetti, etc. 372,734; Nov. 14; Serial No. 411,071; published Sept. 5, 1939. Class 46.
Aladdin Industries Incorporated, Alexandria, Ind., and Chicago, Ill. Vacuum bottles and heat insulated receptacles. 372,860; Nov. 14; Serial No. 421,628; published Aug. 22, 1939. Class 2.
Altorfer Bros. Company, Peoria, Ill. Laundry-washing machines. 127,572; renewed Nov. 18, 1939.
American Abrasive Metals Company, New York, N. Y. Rubber compound. 372,805; Nov. 14; Serial No. 420,799; published Aug. 29, 1939. Class 12.
American Chain & Cable Company, Inc. (See Wright Mfg. Co., assignor.)
American Tobacco Company, The, New York, N. Y. Cigarettes. 128,284; renewed Jan. 6, 1940.
American Waltham Watch Company, assignor to Waltham Watch Company, Waltham, Mass. Watch cases. 17,579; re-renewed Feb. 23, 1940.
American Waltham Watch Company, assignor to Waltham Watch Company, Waltham, Mass. Watch movements. 17,406; re-renewed Jan. 21, 1940.
American Weekly, Inc., New York, N. Y. Monthly publication. 372,784; Nov. 14; Serial No. 420,356; published Sept. 5, 1939. Class 38.
Armstrong Cork Company, Lancaster, Pa. Ingredients for the preparation of a plastic composition. 372,801; Nov. 14; Serial No. 420,743; published Aug. 29, 1939. Class 12.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 372,719; Nov. 14; Serial No. 406,272; published Sept. 5, 1939. Class 19.

Asphalt Process Corporation, New York, N. Y. Liquid asphalt cut back. 372,806; Nov. 14; Serial No. 420,300; published Aug. 29, 1939. Class 12.

Atlas Chemical Company. (See Northwestern Chemical Co., The, assignor.)

Bamberger, L., & Co., Newark, N. J. Mattresses. 372,866; Nov. 14; Serial No. 421,961; published Sept. 5, 1939. Class 32.

Bemis Bro. Bag Company, St. Louis, Mo. Bags. 372,807; Nov. 14; Serial No. 420,801; published Aug. 29, 1939. Class 2.

Berst-Forster-Dixfield Company, Dixfield, Maine, and New York, N. Y. Clothespins. 372,846; Nov. 14; Serial No. 421,446; published Aug. 22, 1939. Class 24.

Berst-Forster-Dixfield Company, Dixfield, Maine, and New York, N. Y. Manifold paper. 372,847; Nov. 14; Serial No. 421,447; published Sept. 5, 1939. Class 37.

Best, Alfred M., Company Inc., New York, N. Y. Publication. 372,711; Nov. 14; Serial No. 384,954; published Aug. 29, 1939. Class 38.

Beverige Ice Marketers, Inc., Philadelphia, Pa. Ice. 372,861; Nov. 14; Serial No. 421,636; published Sept. 5, 1939. Class 1.

Blemo Company, The, assignor, by mesne assignments, to The Blemo Company, Canton, Ohio. Ointment. 128,315; renewed Jan. 6, 1940.

Bloc-Dry Incorporated. (See French, Harriet H., assignor.)

Bloomingdale Bros., Inc., New York, N. Y. Champagne. 372,885; Nov. 14. Class 47.

Boehringer, C. H., Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Beverages. 372,746; Nov. 14; Serial No. 415,701; published Sept. 5, 1939. Class 45.

Boquette, Millard F., Council Bluffs, Iowa. Preparation for the treatment of certain named diseases and conditions. 126,997; renewed Oct. 21, 1939.

Borden Company, The, New York, N. Y. Confectionery. 129,626; renewed Mar. 9, 1940.

Boston Transcript, Inc., Boston, Mass. Newspaper section or column. 372,824; Nov. 14; Serial No. 421,124; published Sept. 5, 1939. Class 38.

Boutelis Corporation, Minneapolis, Minn. Row boats, motor boats and canoes. 372,744; Nov. 14; Serial No. 415,070; published Aug. 29, 1939. Class 19.

Bowden (Engineers) Limited, London, England. Flexible tubing. 372,759; Nov. 14; Serial No. 418,561; published Aug. 29, 1939. Class 13.

Brocator, Joseph G., Washington, D. C. News column published daily. 372,815; Nov. 14; Serial No. 420,934; published Sept. 5, 1939. Class 38.

Brownlee, Sherman H., doing business as Med-O-Vapo Co., Minneapolis, Minn. Inhalers. 372,865; Nov. 14; Serial No. 421,870; published Sept. 5, 1939. Class 44.

Buegeleisen & Jacobson, New York, N. Y. Clarinet, oboe, bassoon, etc. 372,895; Nov. 14. Class 36.

Byco Distributors, Inc., Phoenix, Ariz. Fresh vegetables and melons. 372,841; Nov. 14; Serial No. 421,417; published Sept. 5, 1939. Class 46.

California Fruit Products Company. (See Miller, Edward S., assignor.)

Cameron, Will J., Chicago, Ill. Electric-light outfits for dentists, surgeons, and the like. 128,024; renewed Dec. 23, 1939.

Capewell Manufacturing Company, The, Hartford, Conn. Nails. 372,875; Nov. 14; Serial No. 420,805; published Sept. 12, 1939. Class 13.

Capewell Manufacturing Company, The, Hartford, Conn. Nails. 372,876; Nov. 14; Serial No. 420,848; published Sept. 12, 1939. Class 13.

Caron Spinning Company, Rochelle, Ill. Yarn. 372,879; Nov. 14. Class 43.

Casco Products Corporation, Bridgeport, Conn. Electric safety razor. 372,731; Nov. 14; Serial No. 410,684; published Sept. 5, 1939. Class 23.

Caso, Frank A., New York, N. Y. Combination football game and football game schedules. 372,808; Nov. 14; Serial No. 420,806; published Sept. 5, 1939. Class 22.

Caterpillar Tractor Co. (See Russell Grader Manufacturing Company, assignor.)

Catholic University of America, Washington, D. C. Books, pamphlets, and directories. 372,786; Nov. 14; Serial No. 420,399; published Sept. 5, 1939. Class 38.

Century Lighting, Inc., New York, N. Y. Electric lighting fixtures. 372,834; Nov. 14; Serial No. 421,370; published Sept. 5, 1939. Class 21.

Chase, J. L., Company, Chicago, Ill. Chairs and sofas. 372,842; Nov. 14; Serial No. 421,418; published Sept. 5, 1939. Class 32.

Chicago Pneumatic Tool Company, New York, N. Y. Rock drill apparatus. 372,878; Nov. 14. Class 23.

Cleveland Range Company, The, Cleveland, Ohio. Steam pressure cooking units. 372,765; Nov. 14; Serial No. 419,142; published Aug. 29, 1939. Class 34.

Clopay Corporation, Cincinnati, Ohio. Window shades. 372,849; Nov. 14; Serial No. 421,475; published Sept. 5, 1939. Class 32.

Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods. 372,859; Nov. 14; Serial No. 421,599; published Sept. 5, 1939. Class 42.

Codo Manufacturing Corporation, Corapolis, Pa., and Chicago, Ill. Carbon paper and typewriter ribbons. 372,852; Nov. 14; Serial No. 421,510; published Sept. 5, 1939. Class 11.

Community Optician, $7.00 Eye Glasses, Manhattan Corp., New York, N. Y. Hearing aid devices. 372,867; Nov. 14; Serial No. 421,965; published Sept. 5, 1939. Class 44.

Continental Oil Company, Ponca City, Okla. Lubricating oil and gasoline. 372,843; Nov. 14; Serial No. 421,420; published Sept. 5, 1939. Class 15.

Coppock, Otis, Kokomo, Ind. Beverages. 372,882; Nov. 14. Class 45.

Corning Olive Company. (See La Mirada Olive Company.)

Crompton Company, West Warwick, R. I. Duvetyn fabrics. 372,857; Nov. 14; Serial No. 421,565; published Sept. 5, 1939. Class 42.

Cromwell Paper Company, The, Chicago, Ill. Garment bags. 372,792; Nov. 14; Serial No. 420,516; published Sept. 5, 1939. Class 2.

Cudahy Brothers Company, Cudahy, Wis. Smoked meats. 372,712; Nov. 14; Serial No. 394,586; published Sept. 5, 1939. Class 46.

Cudahy Brothers Company, Cudahy, Wis. Beef and pork products. 372,713; Nov. 14; Serial No. 394,589; published Sept. 5, 1939. Class 46.

Dau, Frederick W., New York, N. Y. Social registers or directories. 372,772; Nov. 14; Serial No. 419,955; published Aug. 29, 1939. Class 38.

Dill Manufacturing Company, The, Cleveland, Ohio. Valve insides. 372,742; Nov. 14; Serial No. 414,091; published Aug. 29, 1939. Class 13.

Eastern Outfitting Co. of Los Angeles, Cal., Los Angeles, Huntington Park, Pasadena, and Long Beach, Calif. Ceramic dinnerware and cookingware. 372,773; Nov. 14; Serial No. 419,958; published Aug. 29, 1939. Class 30.

Eastman Kodak Company, Rochester, N. Y. Leather pocket case. 372,864; Nov. 14; Serial No. 421,801; published Sept. 5, 1939. Class 3.

Elco Manufacturing Co., New York, N. Y. Wallets, key-cases, coin purses, etc. 372,774; Nov. 14; Serial No. 419,960; published Aug. 22, 1939. Class 3.

Electric Controller & Mfg. Co., The, Cleveland, Ohio. Electric timing controllers. 372,766; Nov. 14; Serial No. 419,186; published Sept. 5, 1939. Class 21.

Electrical Engineers Equipment Co., Melrose Park, Ill. Electric switches. 372,890; Nov. 14. Class 21.

Electrol Incorporated, Clifton, N. J. Domestic oil burners and air conditioners. 372,714; Nov. 14; Serial No. 401,668; published Aug. 29, 1939. Class 34.

Endeavor Publishing Corporation. (See Gibson & Gipson.)

Eureka Publishing Corporation. (See Gronich, Mary T.)

Faber, A. W., Inc., doing business as Johann Faber, Newark, N. J. Lead, crayon, ink, etc., pencils. 372,891; Nov. 14. Class 37.

Federal Mill, Inc., Lockport, N. Y. Wheat flour. 372,832; Nov. 14; Serial No. 421,304; published Sept. 5, 1939. Class 46.

Federal Paper Corporation, Brooklyn, N. Y. Facial tissues. 372,758; Nov. 14; Serial No. 418,334; published Sept. 5, 1939. Class 37.

Ferrell, Samuel C., Wabash, Ind. Receptacles or tubes. 372,853; Nov. 14; Serial No. 421,513; published Sept. 5, 1939. Class 2.

Fischer, Philip S., Chicago, Ill. Beverages and syrups and extracts. 372,809; Nov. 14; Serial No. 420,809; published Sept. 5, 1939. Class 45.

Fisher, Samuel S., doing business as Fisher Nut & Chocolate Co., St. Paul, Minn. Candy. 372,825; Nov. 14; Serial No. 421,238; published Sept. 5, 1939. Class 46.

Flip-Top, Ltd., New York, N. Y. Shoe bags. 372,716; Nov. 14; Serial No. 403,124; published Aug. 22, 1939. Class 2.

Foley & Company, Chicago, Ill. Medicines, salves, and ointments, etc. 129,456; renewed Feb. 24, 1940.

Food Machinery Corporation, San Jose, Calif. Fresh cantaloupes. 372,781; Nov. 14; Serial No. 420,173; published Sept 5, 1939. Class 46.

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 126,848; Renewed Oct. 7, 1939.

French, Harriet H., Newport, R. I., assignor to Bloc-Dry Incorporated, New Haven, Conn. Clothes drying frame. 372,720; Nov. 14; Serial No. 407,185; published Aug. 29, 1939. Class 24.

Gail, G. W., Inc., Baltimore, Md. Sealing strips. 372,762; Nov. 14; Serial No. 418,861; published Aug. 29, 1939. Class 12.

Garlock Packing Company, Palmyra, N. Y. Brake lining. 372,869–70; Nov. 14; Serial Nos. 422,006–7; published Sept. 5, 1939. Class 35.

Garve Freres, Inc., New York, N. Y. Piece goods. 372,884; Nov. 14. Class 42.

General Medicinal Company, Detroit, Mich. Pessaries. 372,863; Nov. 14; Serial No. 421,769; published Sept. 5, 1939. Class 44.

General Mills, Inc. (See Portland Flouring Mills Company, The, assignor.)

General Mills, Inc. (See Sperry Flour Company, assignor.)

General Mills, Inc. (See Red Star Milling Company, The, assignor.)

General Motors Corporation, Detroit, Mich. Expansion valves. 372,743; Nov. 14; Serial No. 414,734; published Aug. 29, 1939. Class 13.

Gentile, Antonio, and Nicholas A. Margiotta, Brooklyn, N. Y. Vehicle wheels. 372,750; Nov. 14; Serial No. 416,650; published Aug. 29, 1939. Class 19.

Gibson & Gipson, assignor to Endeavor Publishing Corporation, New York, N. Y. Publication. 372,722; Nov. 14; Serial No. 407,980; published Aug. 29, 1939. Class 38.

Giddings, Fred M., Galesburg, Ill. Scraping tools. 372,886; Nov. 14. Class 23.

Globe Distributing Company, Baltimore, Md. Wines. 372,760; Nov. 14; Serial No. 418,635; published Aug. 29, 1939. Class 47.

Gooderham & Worts Limited, Detroit, Mich., and Peoria, Ill. Whiskey. 372,737–8; Nov. 14; Serial Nos. 413,400–1; published Sept. 5, 1939. Class 49.

Green Bay Food Co., Green Bay, Wis. Mayonnaise, french dressing, salad dressing, etc. 372,798; Nov. 14; Serial No. 420,670; published Sept. 5, 1939. Class 46.

Greenebaum, M. H., Inc., New York, N. Y. Hams, bacon, sausages, etc. 372,748; Nov. 14; Serial No. 416,418; published Sept. 5, 1939. Class 46.

Gronich, Mary T., doing business as Eureka Publishing Corporation, New York, N. Y. Periodical. 372,787; Nov. 14; Serial No. 420,411; published Aug. 29. 1939. Class 38.

Gronich, Mary T., doing business as Synopsis Publishing Corp., New York, N. Y. Periodical. 372,793; Nov. 14; Serial No. 420,523; published Sept. 5, 1939. Class 38.

Grupe, Geo. G., Jr., Bell, Calif. Motor lubricating oils. 372,816; Nov. 14; Serial No. 420,948; published Sept. 5, 1939. Class 15.

Gulf Breeze Company, Dallas, Tex. Suction fans for attic ventilation. 372,724; Nov. 14; Serial No. 408,040; published Oct. 4, 1938. Class 34.

Hall China Company, East Liverpool, Ohio. Chinaware. 372,777; Nov. 14; Serial No. 420,058; published Aug. 29, 1939. Class 30.

Hamilton & Company, Los Angeles, Calif. Canned fish and honey. 372,830; Nov. 14; Serial No. 421,288; published Sept. 5, 1939. Class 46.

Hamilton Manufacturing Company, Two Rivers, Wis. Furniture. 372,887; Nov. 14. Class 32.

Harden, E. E., doing business as E. E. Harden Packing Company, Salinas, Calif. Fresh vegetables. 372,898; Nov. 14. Class 46.

Hardie Brothers Company, Pittsburgh, Pa. Candy. 372,790; Nov. 14; Serial No. 420,454; published Sept. 5, 1939. Class 46.

Hartmann Trunk Company, Racine, Wis. Suitcases and wardrobe hand luggage. 372,812; Nov. 14; Serial No. 420,859; published Aug. 22, 1939. Class 3.

Hawkeye Novelty Company. (See Wittern, Francis A.)

Heller, William, Inc., New York, N. Y. Knitted and textile fabrics. 372,817; Nov. 14; Serial No. 420,951; published Sept. 5, 1939. Class 42.

Hellman, Carl R., Inc., New York, N. Y. Piece goods. 372,802; Nov. 14; Serial No. 420,764; published Sept. 5, 1939. Class 42.

Herman, Shepard, Boston, Mass. Thermal insulating material. 372,741; Nov. 14; Serial No. 414,295; published Aug. 29, 1939. Class 12.

Hill & McLaughlin, Inc., Minneapolis, Minn. Razor blades. 372,893; Nov. 14. Class 23.

Holleb & Company, Chicago, Ill. Canned fruits. 372,854; Nov. 14; Serial No. 421,516; published Sept. 5, 1939. Class 46.

Hood Rubber Company, Watertown, Mass., assignor to Hood Rubber Company, Inc., Wilmington, Del. Rubber boots and shoes, rubber overshoes, etc. 126,862; renewed Oct. 7, 1939.

Hoover, Frank M., Inc., Youngstown, Ohio. Infants' beds or hammocks. 372,871; Nov. 14; Serial No. 422,095; published Sept. 5, 1939. Class 32.

Houghton, E. F., & Co., Philadelphia, Pa. Lubricants. 372,810; Nov. 14; Serial No. 420,821; published Sept. 5, 1939. Class 15.

Hudson Oil Co., Kansas City, Kans. Lubricating oil. 372,721; Nov. 14; Serial No. 407,549; published Aug. 29, 1939. Class 15.

Hudson Oil Co., Kansas City, Kans. Lubricating oil. 372,740; Nov. 14; Serial No. 413,971; published Aug. 29, 1939. Class 15.

Hunter Manufacturing Corporation, Bristol, Pa. Emergency lights (chemical flares). 372,795; Nov. 14; Serial No. 420,637; published Sept. 5, 1939. Class 9.

Hygienic Tube & Container Corporation, Newark, N. J. Containers, cans, vials, etc. 372,756; Nov. 14; Serial No. 418,244; published Aug. 22, 1939. Class 2.

Imm, Lewis W., Burbank, Calif. Balance computers. 372,767; Nov. 14; Serial No. 419,226; published Sept. 5, 1939. Class 26.

Kelling Nut Co., The, Chicago, Ill. Nut meats. 372,745; Nov. 14; Serial No. 415,127; published Sept. 5, 1939. Class 46.

Kirby, Block & Company, New York, N. Y. Publication. 372,819; Nov. 14; Serial No. 421,044; published Aug. 29, 1939. Class 38.

Kresge, Sebastian S., doing business as Kresge Department Store, Newark, Newark, N. J. Hand bags, trunks. 372,764; Nov. 14; Serial No. 419,024; published Aug. 29, 1939. Class 3.

La Mirada Olive Company, also doing business as Corning Olive Company, San Francisco, Calif. Olives packed in cans and in bottles. 372,831; Nov. 14; Serial No. 421,290; published Sept. 5, 1939. Class 46.

Laucks, I. F., Inc., Seattle, Wash. Primers and undercoaters. 372,794; Nov. 14; Serial No. 420,589; published Sept. 5, 1939. Class 16.

Lehn & Fink, Inc., New York, N. Y., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J. Antiseptic and disinfectant. 128,764; renewed Jan. 13, 1940.

Lewis Bolt & Nut Company, Minneapolis, Minn. Guard rail cables, posts, offsets, etc. 372,811; Nov. 14; Serial No. 420,824; published Aug. 29, 1939. Class 12.

Li-On Bedding Company, Milwaukee, Wis. Mattresses. 372,899; Nov. 14. Class 32.

London House, Ltd., New York, N. Y. Smoker's pipes. 372,727; Nov. 14; Serial No. 409,925; published Sept. 5, 1939. Class 8.

M & R Dietetic Laboratories, Inc., Columbus, Ohio. Condensed milk preparation. 372,844; Nov. 14; Serial No. 421,433; published Sept. 5, 1939. Class 46.

Makins, Charles H., doing business as Makins Sand and Gravel Company, Oklahoma City, Okla. Concrete and ingredients thereof, cement, etc. 372,751; Nov. 14; Serial No. 417,288; published Sept. 5, 1939. Class 12.

Mallinson, H. R., & Co., Inc., assignor, by mesne assignments, to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 129,498; renewed Feb. 24, 1940.

Mallinson, H. R., & Co., Inc., assignor, by mesne assignments, to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 129,781–3; renewed Mar. 9, 1940.

Manhattan Pickle Company, Chicago, Ill. Pickles. 372,880–1; Nov. 14. Class 46.

Manning Mfg. Co., Rutland, Vt. Inner tubes. 372,868; Nov. 14; Serial No. 421,976; published Sept. 5, 1939. Class 35.

Margiotta, Nicholas A. (See Gentile Antonio; and Nicholas A. Margiotta.)

Marie, George J., doing business as Master Sales Company, Chicago, Ill. Hand soap. 372,850; Nov. 14; Serial No. 421,487; published Sept. 5, 1939. Class 4.

Marine Paint & Varnish Co., Incorporated, New Orleans, La. Paints, varnishes, enamels, etc. 372,803; Nov. 14; Serial No. 420,774; published Sept. 5, 1939. Class 16.

Master Sales Company. (See Marie, George J.)

Match King, Inc., Chicago, Ill. Cameras, photographic lenses, and sensitized photographic films. 372,833; Nov. 14; Serial No. 421,349; published Sept. 5, 1939. Class 26.

Mayer Neumaier Corp., New York, N. Y. Finished curtains and curtain materials. 372,855; Nov. 14; Serial No. 421,522; published Sept. 5, 1939. Class 42.

Maynes, Hyla F., North Tonawanda, N. Y., assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y. Fishing reels. 372,707–9; Nov. 14; Serial Nos. 380,212–14; published Sept. 5, 1939. Class 22.

Mead Johnson & Company, Evansville, Ind. Preparation for treating acidity and infant ailments. 128,743; renewed Jan. 13, 1940.

Med-O-Vapo Co. (See Brownlee, Sherman H.)

Menasha Products Company, Menasha, Wis. Paper cartons. 372,747; Nov. 14; Serial No. 415,954; Aug. 22, 1939. Class 2.

Miller, Edward S., assignor to California Fruit Products Co., Inc., assignor, by mesne assignments, to California Fruit Products Company, New York, N. Y. Beverages and syrups for making same. 128,461; renewed Jan. 6, 1940.

Moore Pen Company, The, Boston, Mass. Fountain-pens. 129,798; renewed Mar. 9, 1940.

Morrell, John, & Co., Ottumwa, Iowa. Canned pork loaf. 372,728; Nov. 14; Serial No. 409,929; published Sept. 5, 1939. Class 46.

National Sporting Information Bureau, Washington, D. C. Printed cards. 372,753; Nov. 14; Serial No. 417,706; published Sept. 5, 1939. Class 38.

National Telephone Supply Company, The, Cleveland, Ohio. Electrical connecting units for wires. 372,856; Nov. 14; Serial No. 421,529; published Sept. 5, 1939. Class 21.

National Wine & Liquor Co., Inc., Chicago, Ill. Whiskey. 372,874; Nov. 14; Serial No. 422,146; published Sept. 5, 1939. Class 49.

New England Tank & Tower Company, Everett, Mass. Agitating drive equipment. 372,761; Nov. 14; Serial No. 418,786; published Sept. 5, 1939. Class 23.

Newport Industries, Inc., Pensacola, Fla. Zinc-treated rosin solution in petroleum solvent. 372,835; Nov. 14; Serial No. 421,389; published Sept. 5, 1939. Class 1.

Newport Industries, Inc., Pensacola, Fla. Solid zinc-treated rosin. 372,836–7; Nov. 14; Serial Nos. 421,391–2; published Sept. 5, 1939. Class 1.

Newport Industries, Inc., Pensacola, Fla. Solid lime-treated pale rosin. 372,838; Nov. 14; Serial No. 421,393; published Sept. 5, 1939. Class 1.

Newport Industries, Inc., Pensacola, Fla. Heat-treated "X" grade wood rosin. 372,839; Nov. 14; Serial No. 421,394; published Sept. 5, 1939. Class 1.

Nicholson Drug Co. (See Vornholt, Mark T., R. Ph., M. D.)

Northwestern Chemical Co., The, assignor to Atlas Chemical Company, Marietta, Ohio. Paste cement. 129,034; renewed Jan. 20, 1940.

Northwestern Chemical Co., The, assignor to Atlas Chemical Company, Marietta, Ohio. Adhesives. 129,035; renewed Jan. 20, 1940.
Norton Company, Worcester, Mass. Abrasive products. 128,252; renewed Dec. 30, 1939.
Odora Company, Inc., New York, N. Y. Paperboard or corrugated paperboard storage receptacles, and moth-proof bags. 372,826; Nov. 14; Serial No. 421,251; published Aug. 29, 1939. Class 2.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 372,872; Nov. 14; Serial No. 422,103; published Sept. 5, 1939. Class 49.
Old Town Ribbon & Carbon Co. Inc., New York, N. Y. Carbon paper and typewriter ribbons. 372,778; Nov. 14; Serial No. 420,110; published Aug. 22, 1939. Class 11.
Oneida Ltd., Sherrill and Oneida, N. Y.; and Northampton, Mass. Silverplated flatware. 372,780; Nov. 14; Serial No. 420,139; published Aug. 29, 1939. Class 28.
Optical Industries, Inc., Indianapolis, Ind. Spectacle lenses, goggle lenses, and blanks therefor. 372,858; Nov. 14; Serial No. 421,576; published Sept. 5, 1939. Class 26.
Pacific Lumber Inspection Bureau, Seattle, Wash. Lumber, woodwork, paneling, etc. 372,788; Nov. 14; Serial No. 420,427; published Aug. 29, 1939. Class 12.
Parker Brothers, Inc., Salem, Mass. Game. 372,862; Nov. 14; Serial No. 421,711; published Sept. 5, 1939. Class 22.
Paul, Edward P., & Co., Inc., New York, N. Y. Ceramic tableware and vases. 372,739; Nov. 14; Serial No. 413,557; published Aug. 29, 1939. Class 30.
Pepper, Jas. E., & Company, Lexington, Ky., and New York, N. Y. Whiskey, gin, rum, etc. 372,873; Nov. 14; Serial No. 422,104; published Sept. 5, 1939. Class 49.
Peravia S. A., Bern, Switzerland. Motor supervising instruments. 372,732; Nov. 14; Serial No. 410,704; published Sept. 5, 1939. Class 26.
Pike, Eugene W., Elizabeth, N. J. Electrically lighted magnifying lens mounting and envelope sealing units. 372,763; Nov. 14; Serial No. 418,863; published Sept. 5, 1939. Class 26.
Portland Flouring Mills Company, The, Portland, Oreg., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Wheat flour, pancake flour, and cake and pastry flour, also cereal breakfast foods. 128,487; renewed Jan. 6, 1940.
Premier Produce Company, Salinas, Calif. Fresh vegetables. 372,796; Nov. 14; Serial No. 420,644; published Sept. 5, 1939. Class 46.
Progressive Welder Company, The, Detroit, Mich. Welding cables. 372,840; Nov. 14; Serial No. 421,396; published Sept. 5, 1939. Class 21.
Quickheet Coal Company, St. Louis, Mo. Packaged kindling fuels. 372,768; Nov. 14; Serial No. 419,311; published Sept. 5, 1939. Class 1.
Rail Steel Bar Association, Chicago, Ill. Rail-steel concrete reinforcement bars. 372,789; Nov. 14; Serial No. 420,430; published Aug. 29, 1939. Class 12.
Red Star Milling Company, The, Wichita, Kans., assignor to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 129,059; renewed Jan. 20, 1940.
Rosenholz, J., Inc., New York, N. Y. Piece goods. 372,820; Nov. 14; Serial No. 421,053; published Sept. 5, 1939. Class 42.
Royal Silver Mfg. Co. Inc., Norfolk, Va. Knives, forks, and spoons. 372,896–7; Nov. 14. Class 23.
Ruinart, Paul, & Cie, Reims and Paris, France. Wines. 372,729; Nov. 14; Serial No. 409,977; published Aug. 29, 1939. Class 47.
Russell Grader Manufacturing Company, Minneapolis, Minn., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road-grading machines. 127,874; renewed Dec. 9, 1939.
Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 372,827; Nov. 14; Serial No. 421,256; published Sept. 5, 1939. Class 46.
Saratoga Vichy Spring Company, Saratoga Springs, N. Y. Bottled water, ginger ale, sarsaparilla, etc. 372,822; Nov. 14; Serial No. 421,101; published Sept. 5, 1939. Class 45.
Sandy Valley Grocery Company, Ashland, Ky. Soaps and cleansers. 372,821; Nov. 14; Serial No. 421,056; published Sept. 5, 1939. Class 4.
Schleicher, Carl, & Schüll, Duren, Germany. Paper. 372,733; Nov. 14; Serial No. 410,801; published Sept. 5, 1939. Class 37.
Service Instruments, Inc., New York, N. Y. Publications. 372,769; Nov. 14; Serial No. 419,641; published Aug. 29, 1939. Class 38.
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 372,791; Nov. 14; Serial No. 420,464; published Sept. 5, 1939. Class 16.
Shiman Bros. & Co., Inc., New York, N. Y. Finger rings and finger ring settings. 372,783; Nov. 14; Serial No. 420,342; published Sept. 5, 1939. Class 28.
Shoe Form Co., Inc., Auburn, N. Y. Shoe forms. 372,889; Nov. 14. Class 50.
Shotwell Manufacturing Co., The, Shotwell, Ill. Marshmallows. 372,749; Nov. 14; Serial No. 416,441; published Sept. 5, 1939. Class 46.
Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. 372,770; Nov. 14; Serial No. 419,883; published Sept. 5, 1939. Class 4.
Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. 372,771; Nov. 14; Serial No. 419,888; published Sept. 5, 1939. Class 4.
Skinner, William, & Sons, Holyoke, Mass.; and New York, N. Y. Silk piece goods and crepe piece goods. 372,851; Nov. 14; Serial No. 421,495; published Sept. 5, 1939. Class 42.
Southern Breweries, Inc., Norfolk, Va. Beer, ale, porter. 372,845; Nov. 14; Serial No. 421,441; published Sept. 5, 1939. Class 48.
Sperry Flour Company, San Francisco, Calif., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Stock food. 128,522; renewed Jan. 6, 1940.
Sperry Flour Company, San Francisco, Calif., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Poultry food. 128,523–4; renewed Jan. 6, 1940.
Spiral Wind Fish Reel Company, Inc. (See Maynes, Hyla F., assignor.)
Spokane Office Supply Company, Spokane, Wash. Paper and stationery. 129,885; renewed Mar. 9, 1940.
Star Paper Fastener Co., Inc., The, Norwalk, Conn. Staple driving and clinching machines and implements, and tackers. 372,779; Nov. 14; Serial No. 420,117; published Sept. 5, 1939. Class 23.
Starr Piano Company, The, Richmond, Ind., Pacific Division, Los Angeles, Calif. Sound effect disc records. 372,877; Nov. 14. Class 36.
Stephano Brothers, Philadelphia, Pa. Cigarettes. 372,804; Nov. 14; Serial No. 420,783; published Sept. 5, 1939. Class 17.
Sterling, Polly, Inc., Oshkosh, Wis. Silver polish. 372,888; Nov. 14. Class 4.
Stimpson, Edwin B., Company, Brooklyn, N. Y. Paper fasteners. 372,892; Nov. 14. Class 37.
Stone Straw Corporation, Washington, D. C. Fly ribbons. 372,754; Nov. 14; Serial No. 418,213; published Sept. 5, 1939. Class 50.
Stone Straw Corporation, Washington, D. C. Fly ribbons. 372,755; Nov. 14; Serial No. 418,215; published Sept. 5, 1939. Class 50.
Story & Clark Piano Company, Chicago, Ill. Electronic pianos. 372,785; Nov. 14; Serial No. 420,393; published Sept. 5, 1939. Class 36.
Stove Mounters' International Union, St. Louis, Mo. Printed books, pamphlets, magazines. 372,715; Nov. 14; Serial No. 403,061; published Aug. 29, 1939. Class 38.
Strauss Stores Corp., Maspeth, Long Island, N. Y. Lubricating oils and greases, hydraulic brake oils, etc. 372,775; Nov. 14; Serial No. 420,027; published Aug. 29, 1939. Class 15.
Sun Spot Beverage Company, Baltimore, Md. Beverages, and extracts used in making same. 372,813–4; Nov. 14; Serial Nos. 420,918–19; published Sept. 5, 1939. Class 45.
Swanson Brothers, Incorporated, Chicago, Ill. Coffee. 372,823; Nov. 14; Serial No. 421,111; published Sept. 5, 1939. Class 46.
Swedish Venetian Blind Corp., North Bergen, N. J. Venetian blinds, roller blinds, woodweb shades, etc. 372,818; Nov. 14; Serial No. 420,976; published Sept. 5, 1939. Class 32.
Synopsis Publishing Corp. (See Gronich, Mary T.)
Tabin-Picker & Company, Chicago, Ill. Piece goods. 372,883; Nov. 14. Class 42.
Tagliabue, Charles J., Mfg. Co., Brooklyn, N. Y. Measuring and scientific appliances. 128,877–8; renewed Jan. 13, 1940.
Talking Sales Pictures Incorporated, Chicago, Ill. Combined still picture projector and sound- attachment. 372,757; Nov. 14; Serial No. 418,272; published Sept. 5, 1939. Class 26.
Thermek Corporation, Chicago, Ill. Heat exchange tubing. 372,736; Nov. 14; Serial No. 413,252; published Aug. 29, 1939. Class 13.
Titanium Alloy Manufacturing Company, The, Niagara Falls, to The Titanium Alloy Manufacturing Company, New York, N. Y. Compounds of zirconium. 129,554; renewed Feb. 24, 1940.
Townsend National Weekly, Inc., Chicago, Ill. Writing paper and envelopes. 372,799; Nov. 14; Serial No. 420,701; published Sept. 5, 1939. Class 37.
Trade-Wind Motorfans, Inc., Los Angeles, Calif. Fans and blowers, and complete ventilating and cooling units. 372,735; Nov. 14; Serial No. 412,012; published Aug. 29, 1939. Class 34.
Travelers Bag Co., Inc., The, New York, N. Y. Luggage. 372,828; Nov. 14; Serial No. 421,267; published Sept. 5, 1939. Class 3.
Turpentine & Rosin Factors, Inc., Jacksonville, Fla. Pure gum turpentine. 372,776; Nov. 14; Serial No. 420,038; published Sept. 5, 1939. Class 16.
Tuttle, Rosa E., Newark, N. J. Dental casting golds. 372,894; Nov. 14. Class 44.
United Aircraft Corporation, East Hartford, Conn. Aircraft propellers, parts, and attachments therefor. 372,752; Nov. 14; Serial No. 417,420; published Aug. 29, 1939. Class 19.
United Wall Paper Factories, Inc., Chicago, Ill. Wall paper. 372,800; Nov. 14; Serial No. 420,732; published Sept. 5, 1939. Class 37.

Vanderford, Thomas S., Aberdeen, Idaho. Potatoes. 372,723; Nov. 14; Serial No. 408,629; published Sept. 5, 1939. Class 46.
Victor Metal Products Corporation, New York and Brooklyn, N. Y. Capless collapsible tubes. 372,725; Nov. 14; Serial No. 408,934; published Aug. 29, 1939. Class 2.
Vornholt, Mark T., R. Ph., M. D., to Nicholson Drug Co., Chicago, Ill., successor. Ointment. 129,406; renewed Feb. 17, 1940.
Waltham Watch Company. (See American Waltham Watch Company, assignor.)
Wathen, John A., Distillery Company, Louisville and Lebanon, Ky. Bourbon whiskey. 372,730; Nov. 14; Serial No. 410,349; published Sept. 5, 1939. Class 49.
Western Lithograph Company, Los Angeles, Calif. Safety checks. 372,848; Nov. 14; Serial No. 421,467; published Sept. 5, 1939. Class 37.
White Mountain Freezer Company, The, to The White Mountain Freezer Company, Inc., Nashua, N. H., successor. Ice-cream freezers. 127,164; renewed Oct. 21, 1939.
Williamson Candy Company, Chicago, Ill. Candy. 372,829; Nov. 14; Serial No. 421,273; published Sept. 5, 1939. Class 46.
Williamson Heater Company, The, Cincinnati, Ohio. Air conditioning units. 372,710; Nov. 14; Serial No. 383,045; published Aug. 29, 1939. Class 34.
Windsor-Lloyd Products, Inc., Wilmington, Del. Bicycles. 372,726; Nov. 14; Serial No. 409,177; published Aug. 29, 1939. Class 19.
Wittern, Francis A., doing business as Hawkeye Novelty Company, Des Moines, Iowa. Coin controlled vending machines. 372,717; Nov. 14; Serial No. 405,708; published Sept. 5, 1939. Class 23.
Wolf, Ida B., doing business as Wolf Farmers' Friend Hatchery, Gibsonburg, Ohio. Baby chicks. 372,782; Nov. 14; Serial No. 420,197; published Sept. 5, 1939. Class 46.
Wood Preserving Corporation, The, Pittsburgh, Pa. Metal-faced wood track-rail ties. 372,718; Nov. 14; Serial No. 405,833; published Sept. 5, 1939. Class 12.
Wortendyke Manufacturing Co., Richmond, Va. Paper bags. 128,582; renewed Jan. 6, 1940.
Wright Mfg. Co., Lisbon, Ohio, assignor to American Chain & Cable Company, Inc., New York, N. Y. Hoists and trolleys. 128,905; renewed Jan. 13, 1940.
Young, Alexander, Distilling Co., Philadelphia, Pa. Whiskey. 372,797; Nov. 14; Serial No. 420,658; published Sept. 5, 1939. Class 49.

LIST OF REGISTRANTS OF LABELS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Vanilla Flavored Wafers. For Vanilla Flavored Wafers. 53,897; Nov. 14.
Catsigianis, John, St. Louis, Mo. Boy Scouts Pop Corn. For Pop Corn. 16,456; renewed Dec. 1, 1939.
Clark, Beatrice A., Carmel, Calif. Minia-Culture Tools. For Decorative Indoor Gardening Tools. 53,898; Nov. 14.
Clayton, A. C., Printing Company, St. Louis, Mo. Fine Footwear. For Footwear. 53,899; Nov. 14.
Daggett Chocolate Company, doing business as Ann Roberts Studios, Cambridge, Mass. Ann Roberts Home Style Candies. For Home Style Candies. 53,900; Nov. 14.
Harter, Frank, Pittsburgh, Pa. Comoz Chambéry. For Vermouth. 53,901; Nov. 14.
Harter, Frank, Pittsburgh, Pa. The Derby Day. For Blended Scotch Whiskey. 53,902; Nov. 14.
Harter, Frank, Pittsburgh, Pa. The Balmore. For Blended Scotch Whiskey. 53,903; Nov. 14.
Hoague-Sprague Corporation, Lynn, Mass. Grover Lyte Arch. For Boxes. 53,904; Nov. 14.
International Salt Company, Inc., New York, N. Y. Sterling Saltabs. For Sodium Chloride Salt Tablets. 53,905; Nov. 14.
Johnson, S. C., & Son, Inc., Racine, Wis. No-Buff Floor Finish. For Floor Finish with Water-Resistant and Anti-Slip Properties. 53,906; Nov. 14.
Kretschmer, Charles H., Grocery Co., Saginaw, Mich. Wheatex. For a Meal, 90% Wheat Germ in Content, and Specially Processed to Retain all the Vitamins. 53,907; Nov. 14.
Kumesh & Green, Inc., New York, N. Y. Character Cravats "The Symbol of Quality". For Cravats. 53,908; Nov. 14.
Lucky Club Company, St. Louis, Mo. Home & Party Pack. For a Cola Drink. 53,909; Nov. 14.
Manning, Earl, & Co., Chicago, Ill. Stainless Steel 7 Piece Kitchen Knife. For Kitchen Knives. 53,910; Nov. 14.
Mead Johnson & Company, Evansville, Ind. Mead's Cod Liver Oil with Viosterol. For Cod Liver Oil with Viosterol. 53,911; Nov. 14.
Mead Johnson & Company, Evansville, Ind. Mead's Cod Liver Oil Stearine. For Cod Liver Oil Stearine, a Product Consisting of That Fraction of Cod Liver Oil Which is Solid at 25° F. 53,912; Nov. 14.
Mead Johnson & Company, Evansville, Ind. Mead's Viosterol (Activated Ergosterol) in Oil. For Viosterol (Activated Ergosterol) in Oil. 53,913; Nov. 14.
Mead Johnson & Company, Evansville, Ind. Mead's Viosterol in Halibut Liver Oil. For Viosterol in Halibut Liver Oil. 53,914; Nov. 14.
Middleton, John, Inc., Philadelphia, Pa. John Middleton's Tampa Havanas. For Cigars. 53,915; Nov. 14.
Minnesota Valley Canning Company, Le Sueur, Minn. Green Giant. For Canned Sweet Peas. 53,916; Nov. 14.
Munguia, Manuel G., doing business as WaveLast Manufacturing Company, Hollywood, Calif. Wave-Last. For a Concentrated Finger-Wave Lotion. 53,917; Nov. 14.
National Brewing Co., The, Baltimore, Md. National Bohemian. For Pale Beer. 53,918; Nov. 14.
Peper, Christian, Tobacco Company, St. Louis, Mo. Freestone. For Smoking Tobacco. 53,919; Nov. 14.
Peper, Christian, Tobacco Company, St. Louis, Mo. Rock 'N Rye. For Smoking Tobacco. 53,920; Nov. 14.
Peper, Christian, Tobacco Company, St. Louis, Mo. Donniford Blend. For Smoking Tobacco. 53,921; Nov. 14.
Pillsbury Flour Mills Company, Minneapolis, Minn. Pillsbury's Sno Sheen Cake Flour. For Cake Flour. 53,922; Nov. 14.
Progress Brewing Company, Oklahoma City, Okla. Progress Beer. For Beer. 53,923; Nov. 14.
Roberts, Ann, Studios. (See Daggett Chocolate Company.)
Salerno-Megowen Biscuits Company, Chicago, Ill. Salerno Vanilla Wafers. For Vanilla Wafers. 53,924; Nov. 14.
Schmidtman Co., Manitowoc, Wis. Car-Ferry Genuine Crepe. For Toilet Paper. 53,925; Nov. 14.
Schooley, Eugene R., Luzerne, Pa. Blue Streak Dog Ration. For Food for Dogs. 53,926; Nov. 14.
Sun Spot Beverage Company, Baltimore, Md. To Please Your Taste. For an Orange Drink. 53,927; Nov. 14.
Sun Spot Beverage Company, Baltimore, Md. To Please Your Eye. For an Orange Drink. 53,928; Nov. 14.
Tivoli Brewing Company, Detroit, Mich. Altes Imperial Beer. For Beer. 53,929; Nov. 14.
Wave Last Manufacturing Company. (See Munguia, Manuel G.)

LIST OF REGISTRANTS OF PRINTS

Covey, S. M., Twin Falls and Idaho Falls, Idaho, and Little America, Wyo. Chicken in Spuds. For Chicken Plate Meals. 17,689; Nov. 14.
Dorothy, Esther, Inc., Boston, Mass. Furs for the Woman by a Woman. For Furs. 17,690; Nov. 14.
General Pharmacal Company, Louisville, Ky. The Efficient National Antacid-Alkalizer. For an Antacid-Alkalizer. 17,691; Nov. 14.
Hills Bros. Coffee, Inc., San Francisco, Calif. Hills Bros. Coffee—The Correct Grind—Adform 1018. For Coffee. 17,692; Nov. 14.
Hyde Park Breweries Association Inc., St. Louis, Mo. Hyde Park Football Forecast. For Lager Beer. 17,693; Nov. 14.
McGraw Electric Company, Elgin, Ill. Four Star Hit! For Automatic Toasters. 17,694; Nov. 14.
McGraw Electric Company, Elgin, Ill. The New 1940 Toastmaster Hospitality Set. For Hospitality Sets Consisting of an Automatic Toaster, Four Lap Trays, a Toast-Trimmer, Crystal Appetizer Dishes, and a Richly Grained Walnut Tray. 17,695; Nov. 14.
National Trade Stimulators. (See Sommers, Joseph C.)
Nettleton, A. E., Company, Syracuse, N. Y. Foot Form Fashion. For Shoes. 17,696; Nov. 14.
Parker Pen Company, The, Janesville, Wis. Yes, This is The Graceful Pen That Made a Railroad Spike Look Like a Sissy. For Fountain Pens, Mechanical Pencils, and Ink. 17,697; Nov. 14.
Redmer, Martin H., Chicago, Ill. Sidewalk Tennis Set. For Sidewalk Tennis Sets. 17,698; Nov. 14.
Sommers, Joseph C., doing business as National Trade Stimulators, Chicago, Ill. Free This Complete Set Fifteen Year Guarantee Silverware. For Silverware. 17,699; Nov. 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fuels, Packaged kindling. Quickheet Coal Company. 372,768; Nov. 14; Serial No. 419,311; published Sept. 5, 1939.
Ice. Beverige Ice Marketers, Inc. 372,861; Nov. 14; Serial No. 421,636; published Sept. 5, 1939.
Rosin, Heat-treated "X" grade wood. Newport Industries, Inc. 372,839; Nov. 14; Serial No. 421,394; published Sept. 5, 1939.
Rosin, Solid lime-treated pale. Newport Industries, Inc. 372,838; Nov. 14; Serial No. 421,393; published Sept. 5, 1939.
Rosin, Solid zinc-treated. Newport Industries, Inc. 372,836–7; Nov. 14; Serial Nos. 421,391–2; published Sept. 5, 1939.
Rosin solution in petroleum solvent, Zinc-treated. Newport Industries, Inc. 372,835; Nov. 14; Serial No. 421,389; published Sept. 5, 1939.

CLASS 2

Bags. Bemis Bro. Bag Company. 372,807; Nov. 14; Serial No. 420,801; published Aug. 29, 1939.
Bags, Garment. Cromwell Paper Company. 372,792; Nov. 14; Serial No. 420,516; published Sept. 5, 1939.
Bags, Paper. Wortendyke Manufacturing Co. 128,582; renewed Jan. 6, 1940.
Bags, Shoe. Flip-Top, Ltd. 372,716; Nov. 14; Serial No. 403,124; published Aug. 22, 1939.
Bottles and heat insulated receptacles, Vacuum. Aladdin Industries Incorporated. 372,860; Nov. 14; Serial No. 421,628; published Aug. 22, 1939.
Cartons, Paper. Menasha Products Company. 372,747; Nov. 14; Serial No. 415,954; published Aug. 22, 1939.
Containers. Hygienic Tube & Container Corporation. 372,756; Nov. 14; Serial No. 418,244; published Aug. 22, 1939.
Receptacles, and mothproof bags, Paperboard or corrugated paperboard storage. Odora Company. 372,826; Nov. 14; Serial No. 421,251; published Aug. 29, 1939.
Receptacles or tubes. S. C. Ferrell. 372,853; Nov. 14; Serial No. 421,513; published Sept. 5, 1939.
Tubes, Capless collapsible. Victor Metal Products Corporation. 372,725; Nov. 14; Serial No. 408,934; published Aug. 29, 1939.

CLASS 3

Bags, trunks, Hand. S. S. Kresge. 372,764; Nov. 14; Serial No. 419,024; published Aug. 29, 1939.
Case, Leather pocket. Eastman Kodak Company. 372,864; Nov. 14; Serial No. 421,801; published Sept. 5, 1939.
Luggage. Travelers Bag Co. 372,828; Nov. 14; Serial No. 421,267; published Sept. 5, 1939.
Suitcases and wardrobe hand luggage. Hartmann Trunk Company. 372,812; Nov. 14; Serial No. 420,859; published Aug. 22, 1939.
Wallets, key-cases, coin purses, etc. Elco Manufacturing Co. 372,774; Nov. 14; Serial No. 419,960; published Aug. 22, 1939.

CLASS 4

Abrasive products. Norton Company. 128,252; renewed Dec. 30, 1939.
Polish, Silver. Polly Sterling, Inc. 372,888; Nov. 14.
Saponaceous compounds, shaving cream, shaving sticks, etc. Shulton, Inc. 372,770; Nov. 14; Serial No. 419,883; published Sept. 5, 1939.
Saponaceous compounds, shaving cream, shaving sticks, etc. Shulton, Inc. 372,771; Nov. 14; Serial No. 419,888; published Sept. 5, 1939.
Soap, Hand. G. J. Marie. 372,850; Nov. 14; Serial No. 421,487; published Sept. 5, 1939.
Soaps and cleansers. Sandy Valley Grocery Company. 372,821; Nov. 14; Serial No. 421,056; published Sept. 5, 1939.

CLASS 5

Adhesives. Northwestern Chemical Co. 129,035; renewed Jan. 20, 1940.
Paste cement. Northwestern Chemical Co. 129,034; renewed Jan. 20, 1940.

CLASS 6

Antiseptic and disinfectant. Lehn & Fink, Inc. 128,764; renewed Jan. 13, 1940.
Compounds of zirconium. Titanium Alloy Manufacturing Company. 129,554; renewed Feb. 24, 1940.
Medicines, salves, and ointments, etc. Foley & Company. 129,456; renewed Feb. 24, 1940.
Ointment. Blemo Company. 128,315; renewed Jan. 6, 1940.
Ointment. Mark T. Vornholt, R. Ph., M. D. 129,406; renewed Feb. 17, 1940.
Preparation for the treatment of certain named diseases and conditions. M. F. Boquette. 126,997; renewed Oct. 21, 1939.
Preparation for treating acidity and infant ailments. Mead Johnson & Company. 128,743; renewed Jan. 13, 1940.

CLASS 8

Pipes, Smoker's. London House, Ltd. 372,727; Nov. 14; Serial No. 409,925; published Sept. 5, 1939.

CLASS 9

Lights (chemical flares), Emergency. Hunter Manufacturing Corporation. 372,795; Nov. 14; Serial No. 420,637; published Sept. 5, 1939.

CLASS 11

Carbon paper and typewriter ribbons. Codo Manufacturing Corporation. 372,852; Nov. 14; Serial No. 421,510; published Sept. 5, 1939.
Carbon paper and typewriter ribbons. Old Town Ribbon & Carbon Co. Inc. 372,778; Nov. 14; Serial No. 420,110; published Aug. 22, 1939.

CLASS 12

Asphalt cut back, Liquid. Asphalt Process Corporation. 372,806; Nov. 14; Serial No. 420,800; published Aug. 29, 1939.
Cables, posts, offsets, etc., Guard rail. Lewis Bolt & Nut Company. 372,811; Nov. 14; Serial No. 420,824; published Aug. 29, 1939.
Concrete and ingredients thereof, cement, etc. C. H. Makins. 372,751; Nov. 14; Serial No. 417,288; published Sept. 5, 1939.
Concrete reinforcement, Rail-steel. Rail Steel Bar Association. 372,789; Nov. 14; Serial No. 420,430; published Aug. 29, 1939.
Ingredients for the preparation of a plastic composition. Armstrong Cork Company. 372,801; Nov. 14; Serial No. 420,743; published Aug. 29, 1939.
Insulating material, Thermal. S. Herman. 372,741; Nov. 14; Serial No. 414,295; published Aug. 29, 1939.
Lumber, woodwork, paneling, etc. Pacific Lumber Inspection Bureau. 372,788; Nov. 14; Serial No. 420,427; published Aug. 29, 1939.
Rubber compound. American Abrasive Metals Company. 372,805; Nov. 14; Serial No. 420,799; published Aug. 29, 1939.
Sealing strips. G. W. Gail, Inc. 372,762; Nov. 14; Serial No. 418,861; published Aug. 29, 1939.
Ties, Metal-faced wood track-rail. Wood Preserving Corporation. 372,718; Nov. 14; Serial No. 405,833; published Sept. 5, 1939.

CLASS 13

Nails. Capewell Manufacturing Company. 372,875; Nov. 14; Serial No. 420,805; published Sept. 12, 1939.
Nails. Capewell Manufacturing Company. 372,876; Nov. 14; Serial No. 420,848; published Sept. 12, 1939.
Tubing, Flexible. Bowden (Engineers) Limited. 372,759; Nov. 14; Serial No. 418,561; published Aug. 29, 1939.
Tubing, Heat exchange. Thermek Corporation. 372,736; Nov. 14; Serial No. 413,252; published Aug. 29, 1939.
Valve insides. Dill Manufacturing Company. 372,742; Nov. 14; Serial No. 414,691; published Aug. 29, 1939.
Valves, Expansion. General Motors Corporation. 372,743; Nov. 14; Serial No. 414,734; published Aug. 29, 1939.

CLASS 15

Lubricants. E. F. Houghton & Co. 372,810; Nov. 14; Serial No. 420,821; published Sept. 5, 1939.
Oil and gasoline, Lubricating. Continental Oil Company. 372,843; Nov. 14; Serial No. 421,420; published Sept. 5, 1939.
Oil, Lubricating. Hudson Oil Co. 372,721; Nov. 14; Serial No. 407,549; published Aug. 29, 1939.
Oil, Lubricating. Hudson Oil Co. 372,740; Nov. 14; Serial No. 413,971; published Aug. 29, 1939.
Oils and greases, hydraulic brake oils, etc., Lubricating. Strauss Stores Corp. 372,775; Nov. 14; Serial No. 420,027; published Aug. 29, 1939.
Oils, Motor lubricating. G. G. Grupe, Jr. 372,816; Nov. 14; Serial No. 420,948; published Sept. 5, 1939.

CLASS 16

Paints, paint enamels, lacquers, etc. Sherwin-Williams Co. 372,791; Nov. 14; Serial No. 420,464; published Sept. 5, 1939.
Paints, varnishes, enamels, etc. Marine Paint & Varnish Co. 372,803; Nov. 14; Serial No. 420,774; published Sept. 5, 1939.
Primers and undercoaters. I. F. Laucks, Inc. 372,794; Nov. 14; Serial No. 420,589; published Sept. 5, 1939.
Turpentine, Pure gum. Turpentine & Rosin Factors, Inc. 372,776; Nov. 14; Serial No. 420,038; published Sept. 5, 1939.

CLASS 17

Cigarettes. American Tobacco Company. 128,284; renewed Jan. 6, 1940.
Cigarettes. Stephano Brothers. 372,804; Nov. 14; Serial No. 420,783; published Sept. 5, 1939.

CLASS 19

Bicycles. Arnold, Schwinn & Co. 372,719; Nov. 14; Serial No. 406,272; published Sept. 5, 1939.
Bicycles. Windsor-Lloyd Products, Inc. 372,726; Nov. 14; Serial No. 409,177; published Aug. 29, 1939.
Boats, motor boats, and canoes, Row. Boutells Corporation. 372,744; Nov. 14; Serial No. 415,070; published Aug. 29, 1939.
Propellers, parts, and attachments therefor, Aircraft. United Aircraft Corporation. 372,752; Nov. 14; Serial No. 417,420; published Aug. 29, 1939.
Wheels, Vehicle. Antonio Gentile and Nicholas A. Margiotta. 372,750; Nov. 14; Serial No. 416,650; published Aug. 29, 1939.

CLASS 21

Cables, Welding. Progressive Welder Company. 372,840; Nov. 14; Serial No. 421,396; published Sept. 5, 1939.
Electrical connecting units for wires. National Telephone Supply Company. 372,856; Nov. 14; Serial No. 421,529; published Sept. 5, 1939.
Lighting fixtures, Electric. Century Lighting, Inc. 372,834; Nov. 14; Serial No. 421,370; published Sept. 5, 1939.
Switches, Electric. Electrical Engineers Equipment Co. 372,890; Nov. 14.
Timing controllers, Electric. Electric Controller & Mfg. Co. 372,766; Nov. 14; Serial No. 419,186; published Sept. 5, 1939.

CLASS 22

Fishing reels. H. F. Maynes. 372,707–9; Nov. 14; Serial Nos. 380,212–14; published Sept. 5, 1939.
Game. Parker Brothers, Inc. 372,862; Nov. 14; Serial No. 421,711; published Sept. 5, 1939.
Game and football game schedules, Combination football, F. A. Caso. 372,808; Nov. 14; Serial No. 420,806; published Sept. 5, 1939.

CLASS 23

Agitating drive equipment. New England Tank & Tower Company. 372,761; Nov. 14; Serial No. 418,786; published Sept. 5, 1939.
Hoist and trolleys. Wright Mfg. Co. 128,905; renewed Jan. 13, 1940.
Knives, forks, and spoons. Royal Silver Mfg. Co. Inc. 372,896–7; Nov. 14.
Razor blades. Hill & McLaughlin, Inc. 372,893; Nov. 14.
Razor, Electric safety. Casco Products Corporation. 372,731; Nov. 14; Serial No. 410,684; published Sept. 5, 1939.
Road-grading machines. Russell Grader Manufacturing Company. 127,874; renewed Dec. 9, 1939.
Rock drill apparatus. Chicago Pneumatic Tool Company. 372,878; Nov. 14.
Staple driving and clinching machines and implements, and tackers. Star Paper Fastener Co. 372,779; Nov. 14; Serial No. 420,117; published Sept. 5, 1939.
Tools, Scraping. F. M. Giddings. 372,886; Nov. 14.
Vending machines, Coin controlled. F. A. Wittern. 372,717; Nov. 14; Serial No. 405,708; published Sept. 5, 1939.

CLASS 24

Clothes drying frame. H. H. French. 372,720; Nov. 14; Serial No. 407,185; published Aug. 29, 1939.
Clothespins. Berst-Forster-Dixfield Company. 372,846; Nov. 14; Serial No. 421,446; published Aug. 22, 1939.
Laundry-washing machines. Altorfer Bros. Company. 127,572; renewed Nov. 18, 1939.

CLASS 26

Cameras, photographic lenses, and sensitized photographic films. Match-king, Inc. 372,833; Nov. 14; Serial No. 421,349; published Sept. 5, 1939.
Computers, Balance. L. W. Imm. 372,767; Nov. 14; Serial No. 419,226; published Sept. 5, 1939.
Lens mounting and envelope sealing units, Electrically lighted magnifying. E. W. Pike. 372,763; Nov. 14; Serial No. 418,863; published Sept. 5, 1939.
Lenses, goggle lenses, and blanks therefor, Spectacle. Optical Industries, Inc. 372,858; Nov. 14; Serial No. 421,576; published Sept. 5, 1939.
Measuring and scientific appliances. Charles J. Tagliabue Mfg. Co. 128,877–8; renewed Jan. 13, 1940.
Motor supervising instruments. Peravia S. A. 372,732; Nov. 14; Serial No. 410,704; published Sept. 5, 1939.
Projector and sound attachment, Combined still picture. Talking Sales Pictures Incorporated. 372,757; Nov. 14; Serial No. 418,272; published Sept. 5, 1939.

CLASS 27

Watch cases. American Waltham Watch Company. 17,579; re-renewed Feb. 23, 1940.
Watch movements. American Waltham Watch Company. 17,406; re-renewed Jan. 21, 1940.

CLASS 28

Flatware, Silverplated. Oneida Ltd. 372,780; Nov. 14; Serial No. 420,139; published Aug. 29, 1939.
Publication. Gibson & Gipson. 372,722; Nov. 14; Serial No. 407,980; published Aug. 29, 1939.
Rings and finger ring settings, Finger. Shiman Bros. & Co. 372,783; Nov. 14; Serial No. 420,342; published Sept. 5, 1939.

CLASS 30

Chinaware. Hall China Company. 372,777; Nov. 14; Serial No. 420,058; published Aug. 29, 1939.
Dinnerware and cookingware, Ceramic. Eastern Outfitting Co. of Los Angeles, Calif. 372,773; Nov. 14; Serial No. 419,958; published Aug. 29, 1939.
Tableware and vases, Ceramic. Edward P. Paul & Co. 372,739; Nov. 14; Serial No. 413,557; published Aug. 29, 1939.

CLASS 31

Freezers, Ice-cream. White Mountain Freezer Company. 127,164; renewed Oct. 21, 1939.

CLASS 32

Beds or hammocks, Infants'. Frank M. Hoover, Inc. 372,871; Nov. 14; Serial No. 422,095; published Sept. 5, 1939.
Blinds, roller blinds, woodweb shades, etc.; Venetian. Swedish Venetian Blind Corp. 372,818; Nov. 14; Serial No. 420,976; published Sept. 5, 1939.
Chair and sofas. J. L. Chase Company. 372,842; Nov. 14; Serial No. 421,418; published Sept. 5, 1939.
Furniture. Hamilton Manufacturing Company. 372,887; Nov. 14.
Mattresses. L. Bamberger & Co. 372,866; Nov. 14; Serial No. 421,961; published Sept. 5, 1939.
Mattresses. Li-On Bedding Company. 372,899; Nov. 14.
Shades, Window. Clopay Corporation. 372,849; Nov. 14; Serial No. 421,475; published Sept. 5, 1939.

CLASS 34

Air conditioning units. Williamson Heating Company. 372,710; Nov. 14; Serial No. 383,045; published Aug. 29, 1939.
Burners and air conditioners, Domestic. Electrol Incorporated. 372,714; Nov. 14; Serial No. 401,668; published Aug. 29, 1939.
Cooking units, Steam pressure. Cleveland Range Company. 372,765; Nov. 14; Serial No. 419,142; published Aug. 29, 1939.
Fans and blowers, and complete ventilating and cooling units. Trade-Wind Motorfans, Inc. 372,735; Nov. 14; Serial No. 412,012; published Aug. 29, 1939.
Fans for attic ventilation, Suction. Gulf Breeze Company. 372,724; Nov. 14; Serial No. 408,640; published Oct. 4, 1939.

CLASS 35

Brake lining. Garlock Packing Company. 372,869–70; Nov. 14; Serial Nos. 422,006–7; published Sept. 5, 1939.
Tubes, Inner. Manning Mfg. Co. 372,868; Nov. 14; Serial No. 421,976; published Sept. 5, 1939.

CLASS 36

Clarinet, Oboe, Bassoon, Etc. Buegeleisen & Jacobson. 372,895; Nov. 14.
Pianos, Electronic. Story & Clark Piano Company. 372,785; Nov. 14; Serial No. 420,393; published Sept. 5, 1939.
Records, Sound effect disc. Starr Piano Company. 372,877; Nov. 14.

CLASS 37

Checks, Safety. Western Lithograph Company. 372,848; Nov. 14; Serial No. 421,467; published Sept. 5, 1939.
Paper. Carl Schleicher & Schüll. 372,733; Nov. 14; Serial No. 410,801; published Sept. 5, 1939.
Paper and envelopes. Townsend National Weekly, Inc. 372,799; Nov. 14; Serial No. 420,701; published Sept. 5, 1939.
Paper and stationery. Spokane Office-Supply Company. 129,885; Renewed Mar. 9, 1940.
Paper fasteners. Edwin B. Stimpson Company. 372,892; Nov. 14.
Paper, Manifold. Berst-Forster-Dixfield Company. 372,847; Nov. 14; Serial No. 421,447; published Sept. 5, 1939.
Paper, Wall. United Wall Paper Factories, Inc. 372,800; Nov. 14; Serial No. 420,732; published Sept. 5, 1939.
Pencils, Lead, Crayon, Ink., Etc. A. W. Faber. 372,891; Nov. 14.
Pens, Fountain. Moore Pen Company. 129,798; renewed Mar. 9, 1940.
Tissues, Facial. Federal Paper Corporation. 372,758; Nov. 14; Serial No. 418,334; published Sept. 5, 1939.

CLASS 38

Books, pamphlets, and directories. Catholic University of America. 372,786; Nov. 14; Serial No. 420,399; published Sept. 5, 1939.
Books, pamphlets, magazines, Printed. Stove Mounters' International Union. 372,715; Nov. 14; Serial No. 403,061; published Aug. 29, 1939.
Cards, Printed. National Sporting Information Bureau. 372,753; Nov. 14; Serial No. 417,706; published Sept. 5, 1939.
News column published daily. J. G. Brocator. 372,815; Nov. 14; Serial No. 420,934; published Sept. 5, 1939.
Newspaper section or column. Boston Transcript, Inc. 372,824; Nov. 14; Serial No. 421,124; published Sept. 5, 1939.

Periodical. M. T. Gronich. 372,787; Nov. 14; Serial No. 420,411; published Aug. 29, 1939.
Periodical. M. T. Gronich. 372,793; Nov. 14; Serial No. 420,523; published Sept. 5, 1939.
Publication. Alfred M. Best Company Inc. 372,711; Nov. 14; Serial No. 384,954; published Aug. 29, 1939.
Publication. Kirby, Block & Company. 372,819; Nov. 14; Serial No. 421,044; published Aug. 29, 1939.
Publication, Monthly. American Weekly, Inc. 372,784; Nov. 14; Serial No. 420,356; published Sept. 5, 1939.
Publications. Service Instruments, Inc. 372,769; Nov. 14; Serial No. 419,641; published Aug. 29, 1939.
Registers or directories, Social. F. W. Dau. 372,772; Nov. 14; Serial No. 419,955; published Aug. 29, 1939.

CLASS 39

Boots and shoes, rubber overshoes, etc., Rubber. Hood Rubber Company. 126,862; renewed Oct. 7, 1939.

CLASS 42

Curtains and curtain materials, Finished. Mayer Neumaier Corp. 372,855; Nov. 14; Serial No. 421,522; published Sept. 5, 1939.
Fabrics, Duvetyn. Crompton Company. 372,857; Nov. 14; Serial No. 421,565; published Sept. 5, 1939.
Fabrics, Knitted and textile. W. Heller. 372,817; Nov. 14; Serial No. 420,951; published Sept. 5, 1939.
Piece goods. Garve Freres, Inc. 372,884; Nov. 14.
Piece goods. Carl R. Hellman, Inc. 372,802; Nov. 14; Serial No. 420,764; published Sept. 5, 1939.
Piece goods. Cluett Peabody & Co. 372,859; Nov. 14; Serial No. 421,599; published Sept. 5, 1939.
Piece goods. J. Rosenholz, Inc. 372,820; Nov. 14; Serial No. 421,053; published Sept. 5, 1939.
Piece goods. Tabin-Picker & Company. 372,883; Nov. 14.
Silk piece goods. H. R. Mallinson & Co. 129,498; renewed Feb. 24, 1940.
Silk piece goods. H. R. Mallinson & Co. 129,781–3; renewed Mar. 9, 1940.
Silk piece goods and crepe piece goods. William Skinner & Sons. 372,851; Nov. 14; Serial No. 421,495; published Sept. 5, 1939.
Woolen piece goods. Forstmann & Huffmann Co 126,848; renewed Oct. 7, 1939.

CLASS 43

Yarn. Caron Spinning Company. 372,879; Nov. 14.

CLASS 44

Dental casting golds. R. E. Tuttle. 372,894; Nov. 14.
Electric-light outfits for dentists, surgeons, and the like. W. J. Cameron. 128,024; renewed Dec. 23, 1939.
Hearing aid devices. Community Optician, $7.00 Eye Glasses, Manhattan Corp. 372,867; Nov. 14; Serial No. 421,965; published Sept. 5, 1939.
Inhalers. S. H. Brownlee. 372,865; Nov. 14; Serial No 421,870; published Sept. 5, 1939.
Pessaries. General Medicinal Company. 372,863; Nov. 14; Serial No. 421,769; published Sept. 5, 1939.

CLASS 45

Beverages. C. H. Boehringer Sohn. 372,746; Nov. 14; Serial No. 415,701; published Sept. 5, 1939.
Beverages. O. Coppock. 372,882; Nov. 14.
Beverages, and extracts used in making same. Sun Spot Beverage Company. 372,813–14; Nov. 14; Serial Nos. 420,918–19; published Sept. 5, 1939.
Beverages and syrups and extracts. P. S. Fischer. 372,809; Nov. 14; Serial No. 420,809; published Sept. 5, 1939.
Beverages and syrups for making same. E. S. Miller. 128,461; renewed Jan. 6, 1940.
Water, ginger ale, sarsaparilla, etc., Bottled. Saratoga Vichy Spring Company. 372,822; Nov. 14; Serial No. 421,101; published Sept. 5, 1939.

CLASS 46

Beef and pork products. Cudahy Brothers Company. 372,713; Nov. 14; Serial No. 394,589; published Sept. 5, 1939.
Candy. S. S. Fisher. 372,825; Nov. 14; Serial No. 421,238 published Sept. 5, 1939.
Candy. Hardie Brothers Company. 372,790; Nov. 14; Serial No. 420,454; published Sept. 5, 1939.
Candy. Williamson Candy Company. 372,829; Nov. 14; Serial No. 421,273; published Sept. 5, 1939.
Canned and dried fruits, canned vegetables, canned spaghetti, etc. Abraham & Straus, Inc. 372,734; Nov. 14; Serial No. 411,071; published Sept. 5, 1939.
Canned fish and honey. Hamilton & Company. 372,288; published Sept. 5, 1939.
Canned fruits. Holleb & Company. 372,854; Nov. 14; Serial No. 421,516; published Sept. 5, 1939.
Canned pork loaf. John Morrell & Co. 372,728; Nov. 14; Serial No. 409,929; published Sept. 5, 1939.
Cantaloupes, Fresh. Food Machinery Corporation. 372,781; Nov. 14; Serial No. 420,173; published Sept. 5, 1939.
Chicks, Baby. I. B. Wolf. 372,782; Nov. 14; Serial No. 420,197; published Sept. 5, 1939.
Coffee. Swanson Brothers, Incorporated. 372,823; Nov. 14; Serial No. 421,111; published Sept. 5, 1939.
Confectionery. Borden Company. 129,626; renewed Mar. 9, 1940.
Flour and cereal breakfast foods, Wheat, pancake, etc. Portland Flouring Mills Company. 128,487; renewed Jan. 6, 1940.
Flour, Wheat. Federal Mill, Inc. 372,832; Nov. 14; Serial No. 421,304; published Sept. 5, 1939.
Flour, Wheat. Red Star Milling Company. 129,059; renewed Jan. 20, 1940.
Flour, Wheat. Russell-Miller Milling Co. 372,827; Nov. 14; Serial No. 421,256; published Sept. 5, 1939.
Food, Poultry. Sperry Flour Company. 128,523–4; renewed Jan. 6, 1940.
Food, Stock. Sperry Flour Company. 128,522; renewed Jan. 6, 1940.
Hams, bacon, sausages, etc. M. H. Greenebaum, Inc. 372,748; Nov. 14; Serial No. 416,418; published Sept. 5, 1939.
Marshmallows. Shotwell Manufacturing Co. 372,749; Nov. 14; Serial No. 416,441; published Sept. 5, 1939.
Mayonnaise, French dressing, salad dressing, etc. Green Bay Food Co. 372,798; Nov. 14; Serial No. 420,670; published Sept. 5, 1939.
Meats, Smoked. Cudahy Brothers Company. 372,712; Nov. 14; Serial No. 394,586; published Sept. 5, 1939.
Milk preparation, Condensed. M & R Dietetic Laboratories, Inc. 372,844; Nov. 14; Serial No. 421,433; published Sept. 5, 1939.
Nut meats. Kelling Nut Co. 372,745; Nov. 14; Serial No. 415,127; published Sept. 5, 1939.
Olives packed in cans and in bottles. La Miranda Olive Company. 372,831; Nov. 14; Serial No. 421,290; published Sept. 5, 1939.
Pickles. Manhattan Pickle Company. 372,880–1; Nov. 14.
Potatoes. T. S. Vanderford. 372,723; Nov. 14; Serial No. 408,629; published Sept. 5, 1939.
Vegetables and melons, Fresh. Byco Distributors, Inc. 372,841; Nov. 14; Serial No. 421,417; published Sept. 5, 1939.
Vegetables, Fresh. E. E. Harden. 372,898; Nov. 14.
Vegetables, Fresh. Premier Produce Company. 372,796; Nov. 14; Serial No. 420,644; published Sept. 5, 1939.

CLASS 47

Champagne. Bloomingdale Bros., Inc. 372,885; Nov. 14.
Wines. Globe Distributing Company. 372,760; Nov. 14; Serial No. 418,635; published Aug. 29, 1939.
Wines. Paul Ruinart & Cie. 372,729; Nov. 14; Serial No. 409,977; published Aug. 29, 1939.

CLASS 48

Beer, ale, porter. Southern Breweries, Inc. 372,845; Nov. 14; Serial No. 421,441; published Sept. 5, 1939.

CLASS 49

Whiskey. Gooderham & Worts Limited. 372,737–8; Nov. 14; Serial Nos. 413,400–1; published Sept. 5, 1939.
Whiskey. National Wine & Liquor Co. 372,874; Nov. 14; Serial No. 422,146; published Sept. 5, 1939.
Whiskey. Alexander Young Distilling Co. 372,797; Nov. 14; Serial No. 420,658; published Sept. 5, 1939.
Whiskey, Bourbon. John A. Wathen Distillery Company. 372,730; Nov. 14; Serial No. 410,349; published Sept. 5, 1939.
Whiskey, gin, rum, etc. Old Quaker Company. 372,872; Nov. 14; Serial No. 422,103; published Sept. 5, 1939.
Whiskey, gin, rum, etc. Jas. E. Pepper & Company. 372,873; Nov. 14; Serial No. 422,104; published Sept. 5, 1939.

CLASS 50

Fly ribbons. Stone Straw Corporation. 372,754; Nov. 14; Serial No. 418,213; published Sept. 5, 1939.
Fly ribbons. Stone Straw Corporation. 372,755; Nov. 14; Serial No. 418,215; published Sept. 5, 1939.
Shoe forms. Shoe Form Co. 372,889; Nov. 14.

LIST OF LABELS

Altes Imperial Beer. For Beer. Tivoli Brewing Company. 53,929; Nov. 14.
Ann Roberts Home Style Candies. For Home Style Candies. Daggett Chocolate Company. 53,900; Nov. 14.
Beech-Nut Vanilla Flavored Wafers. For Vanilla Flavored Wafers. Beech-Nut Packing Company. 53,897; Nov. 14.
Blue Streak Dog Ration. For Food for Dogs. E. R. Schooley. 53,926; Nov. 14.
Boy Scouts Pop Corn. For Pop Corn. J. Catsigianis. 16,456; renewed Dec. 1, 1939.
Car-Ferry Genuine Crepe. For Toilet Paper. Schmidtman Co. 53,925; Nov. 14.
Character Cravats "The Symbol of Quality". For Cravats. Kumesh & Green, Inc. 53,908; Nov. 14.

Comoz Chambéry. For Vermouth. F. Harter. 53,901; Nov. 14.
Donniford Blend. For Smoking Tobacco. Christian Peper Tobacco Company. 53,921; Nov. 14.
Fine Footwear. For Footwear. A. C. Clayton Printing Company. 53,899; Nov. 14.
Freestone. For Smoking Tobacco. Christian Peper Tobacco Company. 53,919; Nov. 14.
Green Giant. For Canned Sweet Peas. Minnesota Valley Canning Company. 53,916; Nov. 14.
Grover Lyte Arch. For Boxes. Hoague-Sprague Corporation. 53,904; Nov. 14.
Home & Party Pack. For a Cola Drink. Lucky Club Company. 53,909; Nov. 14.
John Middleton's Tampa Havanas. For Cigars. John Middleton, Inc. 53,915; Nov. 14.
Mead's Cod Liver Oil Stearine. For Cod Liver Oil Stearine, a Product Consisting of that Fraction of Cod Liver Oil Which is Solid at 25° F. Mead Johnson & Company. 53,912; Nov. 14.
Mead's Cod Liver Oil with Viosterol. For Cod Liver Oil with Viosterol. Mead Johnson & Company. 53,911; Nov. 14.
Mead's Viosterol (Activated Ergosterol) in Oil. For Viosterol (Activated Ergosterol) in Oil. Mead Johnson & Company. 53,913; Nov. 14.
Mead's Viosterol in Halibut Liver Oil. For Viosterol in Halibut Liver Oil. Mead Johnson & Company. 53,914; Nov. 14.
Minia-Culture Tools. For Decorative Indoor Gardening Tools. B. A. Clark. 53,898; Nov. 14.
National Bohemian. For Pale Beer. National Brewing Co. 53,918; Nov. 14.
No-Buff Floor Finish. For Floor Finish with Water-Resistant and Anti-Slip Properties. S. C. Johnson & Son, Inc. 53,906; Nov. 14.
Pillsbury's Sno Sheen Cake Flour. For Cake Flour. Pillsbury Flour Mills Company. 53,922; Nov. 14.
Progress Beer. For Beer. Progress Brewing Company. 52,923; Nov. 14.
Rock 'N Rye. For Smoking Tobacco. Christian Peper Tobacco Company. 53,920; Nov. 14.
Salerno Vanilla Wafers. For Vanilla Wafers. Salerno-Megowen Biscuit Company. 53,924; Nov. 14.
Stainless Steel 7 Piece Kitchen Knife For Kitchen Knives. Earl Manning & Co. 53,910; Nov. 14.
Sterling Saltabs. For Sodium Chloride Salt Tablets. International Salt Company. 53,905; Nov. 14.
The Balmore. For Blended Scotch Whiskey. F. Harter. 53,903; Nov. 14.
The Derby Day. For Blended Scotch Whiskey. F. Harter. 53,902; Nov. 14.
To Please Your Eye. For an Orange Drink. Sun Spot Beverage Company. 53,928; Nov. 14.
To Please Your Taste. For an Orange Drink. Sun Spot Beverage Company. 53,927; Nov. 14.
Wave-Last. For a Concentrated Finger-Wave Lotion. M. G. Mungula. 53,917 Nov. 14.
Wheatex. For a Meal. 90% Wheat Germ in Content, and Specially Processed to Retain all the Vitamins. Charles H. Kretschmer Grocery Co. 53,907; Nov. 14.

LIST OF PRINTS

Chicken in Spuds. For Chicken Plate Meals. S. M. Covey. 17,689; Nov. 14.
Foot Form Fashion. For Shoes. A. E. Nettleton Company. 17,696; Nov. 14.
Free This Complete Set Fifteen Year Guarantee Silverware. For Silverware. J. C. Sommers. 17,699; Nov. 14.
Four Star Hit! For Automatic Toasters. McGraw Electric Company. 17,694; Nov. 14.
Furs For The Woman By a Woman. For Furs. Esther Dorothy, Inc. 17,690; Nov. 14.
Hills Bros. Coffee—The Correct Grind—Adform 1018. For Coffee. Hills Bros. Coffee, Inc. 17,692; Nov. 14.
Hyde Park Football Forecast. For Lager Beer. Hyde Park Breweries Association Inc. 17,693; Nov. 14.
Sidewalk Tennis Set. For Sidewalk Tennis Set. Martin H. Redmer. 17,698; Nov. 14.
The Efficient National Antacid-Alkalizer. For an Antacid-Alkalizer. General Pharmacal Company. 17,691; Nov. 14.
The New 1940 Toastmaster Hospitality Set. For Hospitality Sets Consisting of an Automatic Toaster, Four Lap Trays, a Toast-Trimmer, Crystal Appetizer Dishes, and a Richly Grained Walnut Tray. McGraw Electric Company. 17,695; Nov. 14.
Yes, This is The Graceful Pen That Made a Railroad Spike Look Like a Sissy. For Fountain Pens, Mechanical Pencils and Ink. Parker Pen Company. 17,697; Nov. 14.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF NOVEMBER, 1939

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anderson, Ward P. (See Shiffler, W. H. and Anderson.)
Bloom, Charles F., Vancouver, Wash. Drive for rod weeders. Re. 21,259; Nov. 14.
Crowder, Helen E. (See Ingalls, Henry A., assignor.)
Crowder, Helen I. (See Ingalls, Henry A., assignor.)
Deere & Company. (See Silver, Walter H., assignor.)
Hazelett, Clarence W., assignor to Hazelett Metals, Inc., Greenwich, Conn. Metal working process. Re. 21,260; Nov. 14.
Hazelett, Clarence W., Greenwich, Conn. Metal working. Re. 21,261; Nov. 14.
Hazelett Metals, Inc. (See Hazelett, Clarence W., assignor.)
Herlihy, John J., et al. (See Thurston, Charles A., assignor.)
Herlihy, John W., et al. (See Thurston, Charles A., assignor.)
Herlihy, Wm. W., et al. (See Thurston, Charles A., assignor.)
Ingalls, Henry A., assignor to Helen Ingalls Crowder (sometimes known as Helen Elaine Crowder), Bakersfield, Calif. Road construction. Re. 21,262; Nov. 14.
Kaden, Karl, assignor to No-Sag Spring Company. Frankenberg, Bez. Chemnitz, Germany. Spring and making the same. Re. 21,263; Nov. 14.
Lowell Counter Co. (See Thurston, Charles A., assignor.)
Mitterer, Albert R. (See Rorrer, C. E., and Mitterer.)
No-Sag Spring Company. (See Kaden, Karl, assignor.)
Rorrer, Charles E. and A. R. Mitterer, assignors to Stadium Stores, Inc., Denver, Colo. Showcase. Re. 21,264; Nov. 14.
Shiffler, William H. and W. P. Anderson, assignors to Standard Oil Company of California, Berkeley, Calif. Producing aluminum chloride. Re. 21,265; Nov. 14.
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Lister. Re. 21,266; Nov. 14.
Stadium Stores, Inc. (See Rorrer, C. E., and Mitterer, assignors.)
Standard Oil Company of California. (See Shiffler, W. H., and Anderson, assignors.)
Thurston, Charles A., assignor to J. W. Herlihy, W. W. Herlihy, and J. J. Herlihy, Haverhill, Mass., doing business as Lowell Counter Co., Lowell, Mass. Shaping heel parts of shoe uppers. Re. 21,267; Nov. 14.

LIST OF PLANT PATENTEES

Bourdieu, Edmy, Ventura, Calif. Pyracantha koidzumii. 346; Nov. 14.

LIST OF DESIGN PATENTEES

Adjusta Company. (See Hirsh, Fred, assignor.)
Adlake Company, The. (See Stewart, Lemuel L., assignor.)
Armstrong Rubber Company, The. (See Snyder, Francis J., assignor.)
Autoyre Company, The. (See Sanford, Roy S., assignor.)
Barter, Reginald A., Chicago, Ill. Platter or similar article. 117,549; Nov. 14.
Bergeron, Victor J., Oakland, Calif. Mug. 117,550; Nov. 14.
Blackstone Manufacturing Company. (See Conterman, Fred A., assignor.)
Blood, Charles R., Sacramento, Calif. Trash burner. 117,551; Nov. 14.
Blunt, Royden A., Baltimore, Md. Bottle. 117,605; Nov. 14.
Blunt, Royden A., Baltimore, Md. Bottle. 117,606; Nov. 14.
Blunt, Royden A., Baltimore, Md. Bottle. 117,607; Nov. 14.
Blunt, Royden A., Baltimore, Md. Bottle. 117,608; Nov. 14.
Blunt, Royden A., Baltimore, Md. Bottle. 117,609; Nov. 14.
Bojesen, Kay, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y. Wooden toy automobile. 117,552; Nov. 14.
Bojesen, Kay, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y. Wooden rocking horse. 117,553; Nov. 14.
Bojesen, Kay, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y. Wooden toy chassis. 117,554; Nov. 14.
Bojesen, Kay, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y. Combination wooden sand mold and shovel. 117,555; Nov. 14.
Bojesen, Kay, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y. Wooden toy truck. 117,556; Nov. 14.
Bojesen, Kay, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y. Combination wooden teething ring and rattle. 117,645; Nov. 14.
Boonshaft, Theodore. (See Estel, E., Boonshaft, and Rovin.)
Borda, Pasquale, New York, N. Y. Leather or similar article. 117,591; Nov. 14.
Brandt, Max, Brooklyn, N. Y. Culinary spoon or similar article. 117,625; Nov. 14.
Broderick, Frank W. (See Sunderhauf, F. A., and Broderick.)
Bromfield, Isidore, Waban, Mass. Trawler or the like. 117,626; Nov. 14.
Brotman, Hyman D., Detroit, Mich. Washing machine cabinet. 117,627; Nov. 14.
Brown, Seymour, New York, N. Y. Tablecloth or similar article. 117,646; Nov. 14.
Casco Products Corporation. (See Lehmann, Herbert G., assignor.)
Conterman, Fred A., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y. Combined drain board and drier cover. 117,628; Nov. 14.
Corday, Paulette, New York, N. Y. Dress ensemble. 117,629; Nov. 14.
D'Addario, Thomas D., New York, N. Y., assignor to Nehi Corporation, Columbus, Ga. Bottle. 117,610; Nov. 14.
Doppelt, Charles, Chicago, Ill. Bag for toilet articles. 117,558; Nov. 14.
Drury, Sydney W., Trail, British Columbia, Canada. Electric stove. 117,559; Nov. 14.
Eastman Kodak Company. (See Nelson, John B., assignor.)
Eastman Kodak Company. (See Teague, Walter D., assignor.)
Eddy, Donald A., Park Hills, assignor to The Kelley-Koet Manufacturing Company, Incorporated, Covington, Ky. X-ray cassette tunnel. 117,611; Nov. 14.
Ellis, Garnet C., Baltimore, Md. Dressing table or similar article. 117,612; Nov. 14.
Engel, Alice, New York, N. Y. Dress ensemble. 117,592; Nov. 14.
Espen, Edward L., Elkins Park, Pa. Textile fabric. 117,613; Nov. 14.
Estel, Elizabeth, T. Boonshaft, and E. Rovin, St. Louis, Mo. Combined scarf and ear muffs. 117,630; Nov. 14.
Exhibit Supply Company, The. (See Meyer, John F., assignor.)
Fluegelman, Arthur, assignor to Riverdale Mfg. Co. Inc., New York, N. Y. Woven textile fabric or similar article. 117,631; Nov. 14.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 117,614; Nov. 14.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 117,615; Nov. 14.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 117,616; Nov. 14.
Friend, Lee, and E. Wieder, New York, N. Y. Dress. 117,647; Nov. 14.
Fuerst, Brooks D., Toledo, Ohio. Bottle. 117,617; Nov. 14.
Gemex Company. (See Sand, John, assignor.)
Gordon, Benjamin, New York, N. Y. Textile fabric or similar article. 117,618; Nov. 14.
Gottlieb, Leopold, New York, N. Y. Toy animal. 117,632; Nov. 14.

Grullemans, Evelyn C., Mentor, Ohio. Combined bottle, applicator, and container therefor. 117,560; Nov. 14.
Haase, Leo G., Hollywood, Calif. Incinerator. 117,633; Nov. 14.
Hadley, Donald L., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Range. 117,561; Nov. 14.
Harris, Clara F., Kansas City, Mo. Lipstick case. 117,562; Nov. 14.
Hartman, Harry, Los Angeles, Calif. Pin. 117,563; Nov. 14.
Held, Siegfried, Chicago, Ill. Ozonizer. 117,564; Nov. 14.
Herr, Frank E., Lancaster, Pa. Oil burner. 117,634; Nov. 14.
Hettrick Manufacturing Company, The. (See Smith, William I., assignor.)
Hirsh, Fred, New York, N. Y., assignor to Adjusta Company. Buckle. 117,565; Nov. 14.
Houbigant, Inc. (See Manoha, Jacques, assignor.)
Junior Toy Corporation. (See Rideout, John G., assignor.)
Karples, Franklin E., Poundridge, N. Y. Finger ring or similar article. 117,557; Nov. 14.
Kashine, Louis L., New York, N. Y. Dress. 117,635; Nov. 14.
Kelley-Koet Manufacturing Company. (See Eddy, Donald A., assignor.)
Koehler, Ernest F., Berlin, Mass. Air filter. 117,566; Nov. 14.
Krasnov, Joseph A., Philadelphia, Pa. Textile fabric. 117,619; Nov. 14.
Kurtz, John W., St. Louis, Mo. Tobacco smoking pipe. 117,567; Nov. 14.
Kuznetz, Samuel, New York, N. Y. Dress ensemble. 117,648; Nov. 14.
Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 117,568; Nov. 14.
Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 117,569; Nov. 14.
Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 117,570; Nov. 14.
Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 117,571; Nov. 14.
Lentini, Helen, New York, N. Y. Dress. 117,649; Nov. 14.
Lewis, Florence N., New York, N. Y. Combined box and perfume container. 117,572; Nov. 14.
Lewis, Paul M., Denver, Colo. Automobile. 117,636; Nov. 14.
Limmer, Peter, Jamaica Plain, Mass. Ski boot. 117,637; Nov. 14.
Lunning, Frederik, Inc. (See Bojesen, Kay, assignor.)
Manoha, Jacques, assignor to Houbigant, Inc., New York, N. Y. Bottle. 117,620; Nov. 14.
Mantle Lamp Company of America, The. (See Schwarz, Eugene, assignor.)
Menger, Evelyn L., Ardmore, Pa. Doll. 117,593; Nov. 14.
Meyer, John F., assignor to The Exhibit Supply Company, Chicago, Ill. Vibrator. 117,573; Nov. 14.
Millhens, Paul P., Cologne-on-the-Rhine, Germany. Bottle. 117,659; Nov. 14.
Murray, Albert H., Buffalo, N. Y. Lamp or similar article. 117,574; Nov. 14.
Nehi Corporation. (See D'Addario, Thomas D., assignor.)
Nelson, John B., assignor to Eastman Kodak Company, Rochester, N. Y. Camera. 117,575; Nov. 14.
Primrose Tapestry Co. Inc. (See Weiss, Roger, assignor.)
Pugsley, Edwin, assignor to Western Cartridge Company, New Haven, Conn. Firearm. 117,638; Nov. 14.
Reynolds Metals Company. (See Sunderhauf, F. A., and Broderick, assignors.)
Rich, Jeannette, Chicago, Ill. Vanity case or similar article. 117,639; Nov. 14.
Rideout, John G., Cleveland, Ohio, assignor to Junior Toy Corporation, Hammond, Ind. Cycle saddle seat. 117,594; Nov. 14.
Riverdale Mfg. Co. Inc. (See Fluegelman, Arthur, assignor.)
Rosen, Max J., Brooklyn, N. Y. Handkerchief. 117,640; Nov. 14.
Rosen, Max J., Brooklyn, N. Y. Handkerchief. 117,641; Nov. 14.
Rost, Katheryn, New York, N. Y. Dress. 117,650; Nov. 14.
Roth, Isadore, St. Louis, Mo. Dress. 117,651; Nov. 14.
Rovin, Edmond. (See Estel, E., Boonshaft, and Rovin.)
Ruchman, Samuel, New York, N. Y. Dress. 117,652; Nov. 14.
Ruchman, Samuel, New York, N. Y. Dress. 117,653; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,576; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,577; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,578; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,579; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,580; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,595; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,596; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,597; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,598; Nov. 14.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,599; Nov. 14.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Soap dish or similar article. 117,581; Nov. 14.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Tumbler holder or similar article. 117,582; Nov. 14.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Combination tumbler and tooth brush holder or similar article. 117,583; Nov. 14.
Schetagne, Eva, New York, N. Y. Dress. 117,654; Nov. 14.
Schneider, John J., Buffalo, N. Y. Device for teaching golf. 117,600; Nov. 14.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Heat insulated jug. 117,621; Nov. 14.
Siegel, Jacob, New York, N. Y. Dress. 117,655; Nov. 14.
Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Swing. 117,622; Nov. 14.
Snyder, Francis J., assignor to The Armstrong Rubber Company, Incorporated, West Haven, Conn. Tire casing. 117,601; Nov. 14.
Sova, Anton, Euclid, Ohio. Combination picture and music record and support for same. 117,584; Nov. 14.
Sperry, Paul A., New Haven, Conn. Shoe sole. 117,585; Nov. 14.
Staines, Samuel E., Allendale, N. J. Textile fabric. 117,642; Nov. 14.
Staines, Samuel E., Allendale, N. J. Textile fabric. 117,656; Nov. 14.
Stein, Marjorie, New York, N. Y. Dress. 117,657; Nov. 14.
Stewart, Lemuel L., Elkhart, Ind., assignor to The Adlake Company. Lighting fixture unit or similar article. 117,643; Nov. 14.
Sunderhauf, Frederick A., Rutherford, N. J., and F. W. Broderick, New Brighton, N. Y., assignors to Reynolds Metals Company, Richmond, Va. Bottle display card. 117,602; Nov. 14.
Tauriello, Sebastian J., Buffalo, N. Y. News stand. 117,586; Nov. 14.
Teague, Walter D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Camera. 117,587; Nov. 14.
Thoren, Fridolf E., Chicago, Ill. Toy wind-operated device. 117,603; Nov. 14.
Tourian, Pierre, New York, N. Y. Souvenir nutcracker. 117,623; Nov. 14.
Uihlein, George V., Worcester, Mass. Carpet or similar article. 117,624; Nov. 14.
Vanderput, Anthony W., Los Angeles, Calif. Store building. 117,588; Nov. 14.
Watling, John, assignor to Watling Scale Company, Chicago, Ill. Scale panel. 117,604; Nov. 14.
Watling Scale Company. (See Watling, John, assignor.)
Weber, Irving, New York, N. Y. Dress. 117,658; Nov. 14.
Webster, Jeanne K., Galveston, Tex. Combined piano case, radio, phonograph, and music cabinet. 117,589; Nov. 14.
Weiss, Roger, Brooklyn, N. Y., assignor to Primrose Tapestry Co. Inc., Rome, Ga. Textile fabric or similar article. 117,644; Nov. 14.
Western Cartridge Company. (See Pugsley, Edwin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Hadley, Donald L., assignor.)
Wieder, Emanuel. (See Friend, L., and Wieder.)
Wilson, William R., Detroit, Mich. Pipe coupling elbow. 117,590; Nov. 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abkowitz, Harold E., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Mine car. 2,179,679; Nov. 14.
Adams, Walter L., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 2,179,972; Nov. 14.
Aero Piston Ring Company Limited. (See Richards, Arthur C., assignor.)
Agfa Ansco Corporation. (See Clarke, Fredrick D., assignor.)
Aircraftsings Limited. (See Brown, Francis V., assignor.)
Aktiebolaget Milo. (See Lysholm, Alf, assignor.)
Alexander, Claude H., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polyvinyl halide compositions. 2,179,973; Nov. 14.
Algarsson, Grettir, Montreal, Quebec, Canada. Pressure governed control device. 2,179,775; Nov. 14.
Allied Ironfounders Limited. (See Scott, Charles L., assignor.)
Allis-Chalmers Manufacturing Company. (See Frudden, Conrad E., assignor.)
Allis-Chalmers Manufacturing Company. (See Stivender, Edward H., assignor.)
Altorfer, Alpheus W., Peoria, Ill. Washing machine. 2,180,186; Nov. 14.
Alvord, Grove D., assignor to Central Electric Tool Company, Pittsburgh, Pa. Vibrator. 2,180,189; Nov. 14.
American Anode Inc. (See Strube, Edward C., assignor.)
American Can Company. (See Pelosi, Nicholas, assignor.)
American Chain & Cable Company. (See Conner, E. A., and Myers, assignors.)
American Chain & Cable Company. (See Delano, Howard A., assignor.)
American Chain & Cable Company. (See Hall, Preston M., assignor.)
American Chain & Cable Company. (See Reyburn, John R., assignor.)
American Cyanamid Company. (See Jayne, David W., Jr., assignor.)
American Cyanamid Company. (See Jones, L. C., Barnes, and Ham, assignors.)
American Cyanamid & Chemical Corporation. (See Davis, Clarke F., assignor.)
American Forging & Socket Company, The. (See Johnson, Alvin L., assignor.)
American Forging & Socket Company, The. (See Johnson, Andrew L., assignor.)
American Forging & Socket Company. (See Saunders, W. S., and McGregor, assignors.)
American Lurgi Corporation. (See Sondermann, Karl, assignor.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Mono Rail Company, The. (See Easley, Curran S., assignor.)
American Optical Company. (See Glancy, Anna E., assignor.)
American Optical Company. (See Glancy, A. E., and Gagnon, assignors.)
American Optical Company. (See Moulton, Harold R., assignor.)
American Rolling Mill Company. (See Freeze, Jonathan R., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Supply Company. (See Fish, Waldo H., assignor.)
American Totalisator Company. (See Levy, O. C., and Johnston, assignors.)
Amico, Frank, assignor of one-half to F. Keiper, Rochester, N. Y. Hair curler. 2,180,187; Nov. 14.
Anderson, David E. (See Erlanger, S., and Anderson.)
Anderson, Frederick C., Jr., Poughkeepsie, N. Y. Arm holder. 2,180,270; Nov. 14.
Anderson, Samuel M., and R. T. Palmer, Sharon, assignors to B. F. Sturtevant Company, Inc., Boston, Mass. Heating and humidifying system. 2,179,873; Nov. 14.
Anderson, William T., Jr., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Metal vapor arc lamp. 2,179,606; Nov. 14.
Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Hot water tank and connection. 2,179,476; Nov. 14.
Armistead, George, Jr., Scarsdale, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Motor fuel production. 2,179,989; Nov. 14.
Armstrong Cork Company. (See Claxton, E., Schrader, and Swarr, assignors.)
Armstrong Cork Company. (See Park, Arthur D., assignor.)
Armstrong Cork Company. (See Pennell, Philip H., assignor.)
Arnold, Luther B., Jr., Fairville, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Softening agent. 2,180,133; Nov. 14.
Arras, Damiano, New Britain, Conn. Hose clamp. 2,180,271; Nov. 14.
Ashworth, John, Schenectady, N. Y., assignor to General Electric Company. Valve. 2,180,188; Nov. 14.
Askania Werke A. G. (See Heinische, Paul, assignor.)
Asmussen, Jes, assignor to A. O. Smith Corporation, Milwaukee, Wis. Centrifugal vibrator. 2,179,807; Nov. 14.
Associated Electric Laboratories, Inc. (See Bellamy, John I., assignor.)
Atlas Werke Aktiengesellschaft. (See Kietz, Hans, assignor.)
Atwood Machine Company, The. (See Duncklee, E. R., and Sheldon, assignors.)
Auburn, Hubert, Mount Healthy, assignor to The Tenacity Manufacturing Co., Lockland, Ohio. Binder mechanism. 2,179,874; Nov. 14.
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Auto Specialties Manufacturing Company. (See Lucker, Millard B., assignor.)
Automatic Control Corporation. (See Persons, Lawrence M., assignor.)
Automatic Shifters, Inc. (See Hey, Henry W., assignor.)
Automatic Telephone & Electric Company Limited. (See Renshaw, Alfred P. B., assignor.)
Autopulse Corporation. (See Dilg, Earl W., assignor.)
Automatic Turbine Drive Company. (See Popper, Isaac C., assignor.)
Avril, Arthur C., Cincinnati, Ohio. Uniform packaging of mixtures. 2,179,485; Nov. 14.
Baader, Rudolf, Lubeck, Germany. Fish treating machine and method. 2,180,303; Nov. 14.
Babcock, Alfred R., Chicago, Ill. Game apparatus. 2,180,029; Nov. 14.
Badeau, Carroll A. (See Thomas, G. C., Jr., and Badeau.)
Baer, Walter O., Milwaukee, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric generating systems. 2,179,680; Nov. 14.
Bagkap, Inc. (See Scott, William E., assignor.)
Baker, David B., Riverside, and C. R. Rogers, Oak Park, Ill., assignors to International Harvester Company. Track roller. 2,179,875; Nov. 14.
Baker, David B., Riverside, C. R. Rogers, Oak Park, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Track roller seal construction. 2,180,134; Nov. 14.
Baker Perkins Limited. (See Dewhurst, Frank, assignor.)
Baldwin Company, The. (See Kock, Winston E., assignor.)
Banigan, Thomas F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Regenerated cellulose pellicle. 2,179,571; Nov. 14.
Barbarou, Marius J.-B., Neuilly, Seine, France. Sleeve valve engine. 2,179,706; Nov. 14.
Barnes, Charles M., Arlington, Va. Relay. 2,179,486; Nov. 14.
Barnes, Robert B. (See Jones, L. C., Barnes, and Ham.)
Baro, William, Chicago, Ill. Heat saver. 2,180,190; Nov. 14.
Bartholomew, Fred R., Minneapolis, Minn. Printing machine. 2,180,135; Nov. 14.
Bascombe, Frank J. (See Townsend, A. J., and Bascombe.)
Bastuscheck, Paul M., Hazleton, Pa. Trailer hitch. 2,180,272; Nov. 14.
Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Temperature compensated gyroscope. 2,180,136; Nov. 14.
Bauch, Ada, Brooklyn, N. Y. Industrial insurance record bag. 2,180,191; Nov. 14.
Bauer, Paul S., trustee. (See Wolff, Otto E., assignor.)
Bauer, R. S., Trust, The. (See Wolff, Otto E.)
Bayer, Ludwig, Nuremberg, Germany. Machine for splitting fibers. 2,180,273; Nov. 14.
Beach, William C., Bloomfield, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Electromagnet. 2,180,288; Nov. 14.
Beamer, Clayton M., Elizabeth, N. J., assignor to Standard Alcohol Company. Manufacturing ketones. 2,179,488; Nov. 14.
Beckham, Noble N., et al. (See Walch, Jacob S., assignor.)

Bechman, William O. (See Baker, D. B., Rogers, and Bechman.)
Becton Dickinson & Co. (See Brosnan, Timothy C., assignor.)
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Cathode ray deflecting circuits. 2,179,607; Nov. 14.
Beem, David J., Spencer, Ind. Shoe polish dauber. 2,179,735; Nov. 14.
Beers, George L., Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Signal receiving system. 2,179,974; Nov. 14.
Beilenson, Bernard, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Dyes and the preparation thereof. 2,179,990; Nov. 14.
Bell, Charles H., and L. S. Deitz, Jr., Westfield, N. J., and A. I. Stein, Brooklyn, assignors to Nassau Smelting and Refining Company, Incorporated, New York, N. Y. Metallic alloy. 2,180,137; Nov. 14.
Bell Telephone Laboratories Incorporated. (See Beach, William C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Blair, Royer R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hampton, L. N., and Shangle, assignors.)
Bell Telephone Laboratories, Incorporated. (See Lakatos, Emory, assignor.)
Bell Telephone Laboratories, Incorporated. (See May, David T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wentz, Jesse F., assignor.)
Bellamy, John I., Brookfield, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Stock quotation system. 2,179,736; Nov. 14.
Bendix Products Corporation. (See Breese, Robert P., assignor.)
Benner, Raymond C., and N. P. Roble, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,179,487; Nov. 14.
Bentley, Harry, assignor of one-half to W. C. Holmes & Company Limited, Huddersfield, England. Pneumatic ejector plant. 2,180,274; Nov. 14.
Berendsen, Andrew P., Concord, Calif. Vehicle. 2,179,477; Nov. 14.
Berg, Quentin, Akron, assignor to The Hoover Company, North Canton, Ohio. Bag pressure indicating device for suction cleaners. 2,179,808; Nov. 14.
Berg, Ragnar, Pittsburgh, Pa., and R. W. Crist, Cleveland, Ohio, assignors to Kopper Company. Coke-oven door operating mechanism. 2,179,608; Nov. 14.
Berger Brothers Company, The. (See Versoy, Irving R., assignor.)
Bernhardt, Paul, assignor to Loeffelholz Company, Milwaukee, Wis. Ventilator. 2,179,707; Nov. 14.
Berres, Carl. (See Müller, W., and Berres.)
Bess, Robert H., Downey, Calif. Mail box. 2,179,913; Nov. 14.
Bethlehem Shipbuilding Corporation. (See Hunter, James B., assignor.)
Bidwell, Earl E., assignor to Productive Inventions, Inc., Gary, Ind. Spark plug construction. 2,179,609; Nov. 14.
Biermanns, Josef, Berlin-Johannithal, Germany, assignor to General Electric Company. Protection of alternating current systems. 2,180,192; Nov. 14.
Bijur, George, executor. (See Bijur, Joseph.)
Bijur, Joseph, deceased; G. Bijur, executor, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 2,179,489; Nov. 14.
Birkigt, Marc, Bois-Colombes, France. Detent mechanism. 2,179,914; Nov. 14.
Blair, Royer R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control circuits. 2,179,915; Nov. 14.
Bock, Carl J., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Trailer. 2,179,708; Nov. 14.
Bockemüller, Wilhelm, Wurzburg, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Condensation products. 2,179,809; Nov. 14.
Bodenhamer, Forest M. (See Lewis, R., and Bodenhamer.)
Boehnke, Ralph O., Ann Arbor, Mich. Gauge. 2,179,538; Nov. 14.
Boler, Claude M., Topeka, Kans. Bracelet strap. 2,180,275; Nov. 14.
Bolidens, Gruvaktiebolag. (See Lindblad, Axel R., assignor.)
Bolton, William R., Chicago, Ill., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Edge gauge for channeling machines. 2,179,490; Nov. 14.
Bones, Walter, Minneapolis, Minn., assignor to The Maytag Company, Newton, Iowa. Power unit and base frame for washing machines. 2,179,876; Nov. 14.
Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car. 2,179,681; Nov. 14.
Booth, Carleton O., Albuquerque, N. Mex. Gas shipping tank. 2,179,682; Nov. 14.
Borg-Warner Corporation. (See White, Samuel O., assignor.)
Bourg, Hamilton, Sr., Matthews, La. Sugarcane harvester. 2,179,584; Nov. 14.
Bouwers, Albert, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Electron tube. 2,179,916; Nov. 14.
Bowie, Augustus J., San Francisco, Calif. Electrical switch. 2,179,539; Nov. 14.
Bowman, Amos, Chicago, Ill. Venetian blind. 2,179,572; Nov. 14.
Boyd, George A., assignor to Standard Oil Company, Chicago, Ill. Catalyst regeneration. 2,180,220; Nov. 14.
Braithwaite, Isaac, & Son Engineers Limited. (See Cleghorn, William G., assignor.)
Braithwaite, Isaac, & Son Engineers Limited. (See O'Brien, Terence H., assignor.)
Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Electric circuit. 2,180,193; Nov. 14.
Brandt, William A. (See Hinton, E. M., and Brandt.)
Brebeck, Charles, Herkimer, N. Y. Internal combustion engine. 2,179,683; Nov. 14.
Brecht, August F., assignor to General Motors Corporation, Detroit, Mich. Internal combustion engine. 2,179,709; Nov. 14.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner for liquid fuel. 2,179,610; Nov. 14.
Breese, Robert P., New York, N. Y., assignor to Bendix Products Corporation, South Bend, Ind. Gearshift mechanism. 2,179,710; Nov. 14.
Bright, Albert G., and W. E. Fisher, assignors to Eastman Kodak Company, Rochester, N. Y. Separation of methanol and acetone mixtures. 2,179,991; Nov. 14.
Brill, Rudolf, and K. Schoenemann, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Finely divided magnetic substance. 2,179,810; Nov. 14.
Brinkoeter, Paul H., assignor to Ed. Friedrich Inc., San Antonio, Tex. Refrigerator window. 2,179,585; Nov. 14.
Brinton, Henry, Coatesville, Pa. Medicinal supplement and making. 2,179,917; Nov. 14.
Britton, Edgar C., Midland, Mich., H. B. Marshall, Toronto, Ontario, Canada, and C. W. Davis, assignors to The Dow Chemical Company, Midland, Mich. Composition for preparing polystyrene films. 2,179,975; Nov. 14.
Brock, Richard E., Ambridge, Pa. Tube rolling mill. 2,179,918; Nov. 14.
Bromley, Thomas C., and A. Shortland, assignors to Mellor Bromley & Co. Limited, Leicester, England. Patterning mechanism for knitting machines. 2,179,711; Nov. 14.
Brosnan, Timothy C., San Francisco, Calif., assignor to Becton Dickinson & Co., Rutherford, N. J. Thermometer shaker. 2,179,839; Nov. 14.
Brosseau, Joseph E., West Chicago, Ill. Temperature responsive control mechanism. 2,179,811; Nov. 14.
Brown, Carl W. (See Currivan, F. E., and Brown.)
Brown, Francis V., London, assignor to Aircraftings Limited, Gunnersbury, London, England. Cock or valve. 2,179,684; Nov. 14.
Brown, Mortimer J., Niagara Falls, N. Y. Draft arm nozzle. 2,179,611; Nov. 14.
Brown, Raymond B. (See Hoke, John A., assignor.)
Bruckmoser, Ludwig, Schweinfurt, Germany. Motor bicycle. 2,179,478; Nov. 14.
Bruckmoser, Ludwig. (See Steinlein, G., and Bruckmoser.)
Brunner, Adolf, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Power unit. 2,180,138; Nov. 14.
Brynoldt, Christian. (See Rogers, Gerald S., assignor.)
Buckley, Warren. (See Kolts, Tennies F., assignor.)
Buckwalter, Tracy V., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing for crossheads and the like. 2,180,315; Nov. 14.
Buckwalter, Tracy V., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive running gear. 2,180,316; Nov. 14.
Bucky, Frida, et al. (See Bucky, Gustav, assignor.)
Bucky, Gustav, New York, N. Y., assignor of one-half to F. Bucky, one-fourth to P. A. Bucky, and one-fourth to T. L. Bucky, New York, N. Y. Loudspeaker arrangement. 2,179,840; Nov. 14.
Bucky, Peter A., et al. (See Bucky, Gustav, assignor.)
Bucky, Thomas L. (See Bucky, Gustav, assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Bugatti, Ettore, Molsheim, Bas-Rhin, France. Bolt. 2,180,030; Nov. 14.
Burcky, Charles W., and R. E. Zenner, assignors to Teletype Corporation, Chicago, Ill. Motor control. 2,179,712; Nov. 14.
Burdick, Harry J. McC., Anaheim, Calif. Fluid brake. 2,179,540; Nov. 14.
Burke, Martin P., Pittsburgh, Pa. Window screen awning. 2,179,541; Nov. 14.
Burks, John E., Great Neck, assignor to M. Fleischer, New York, N. Y. Photographic apparatus. 2,180,194; Nov. 14.
Burton, Thomas H. (See Stephenson, H. W., and Burton.)
Butler, Henry R., Verona, N. J., assignor to Wired Radio, Inc., New York, N. Y. Wired radio service system. 2,179,612; Nov. 14.
Cain, John R., Bethesda, Md. Deterioration resistant reflector. 2,179,491; Nov. 14.

Caldwell, Frank W., Hartford, and H. C. Nissen, South Glastonbury, assignors to United Aircraft Corporation, East Hartford, Conn. Control means for aeronautical propellers. 2,179,492; Nov. 14.
Calkins, Ralph M., Fullerton, Calif. Plug for use in cementing wells. 2,179,812; Nov. 14.
Cameron, Allan M., Oak Park, assignor to Cameron Can Machinery Co., Chicago, Ill. Soldering attachment for tapered bodies. 2,179,479; Nov. 14.
Cameron Can Machinery Co. (See Cameron, Allan M., assignor.)
Campbell, Rodney B., Los Angeles, Calif. Parking meter. 2,179,613; Nov. 14.
Canfield, Harry R. (See Roemer, Ralph R., assignor.)
Canning, Dow V. (See Sills, H. R., and Canning.)
Carborundum Company, The. (See Benner, R. C. and Roble, assignors.)
Cardox Corporation. (See Geertz, E., and Taylor, assignors.)
Carey, Elsie F., et al. (See Carey, George B., assignor.)
Carey, George B., assignor of one-half to E. F. Carey and one-half to J. R. Guildford, Regina, Saskatchewan, Canada. Curtain protector. 2,180,328; Nov. 14.
Carlson, Frank E., Cleveland, Ohio, assignor to General Electric Company. Optical projection apparatus. 2,180,031; Nov. 14.
Carlton, Jack C., and A. C. Spangenberg, assignors to The Carlton Machine Tool Company, Cincinnati, Ohio. Drilling and honing machinery. 2,180,289; Nov. 14.
Carlton Machine Tool Company, The. (See Carlton, J. C., and Spangenberg, assignors.)
Carpenter, Arley D., Los Angeles, Calif. Trailer. 2,179,586; Nov. 14.
Carr, Dugald M., Gibbstown, and W. S. Pilcher, Wenonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of sludges. 2,179,919; Nov. 14.
Carroll, Jack, Rock Hill, S. C. Flashlight attachment for cameras. 2,180,276; Nov. 14.
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Resetting device for directional gyroscopes. 2,180,221; Nov. 14.
Casco Products Corporation. (See Cohen, Joseph H., assignor.)
Casley, Dallas S., Belpre, Ohio. Load carrier. 2,180,032; Nov. 14.
Cassidy, Roy E., Los Angeles, Calif. Power transmission. 2,179,841; Nov. 14.
Cattoi, Louis C., Hurley, Wis., assignor to E. Edelmann & Co., Chicago, Ill. Flaring tool. 2,180,033; Nov. 14.
Cavaliero, John V., Bloomfield, N. J. Plaque. 2,180,195; Nov. 14.
Celanese Corporation of America. (See Dickie, W. A., and Sowter, assignor.)
Central Electric Tool Company. (See Alvord, Grove D., assignor.)
Chalmers, John W., Deptford, London, assignor to Molins Machine Company Limited, London, England. Wrapping machine. 2,179,685; Nov. 14.
Champayne, Roy J., Rockford, Ill. Pneumatic fender tool. 2,179,992; Nov. 14.
Charles, Carl L., Winnetka, Ill., assignor to Gas Tool Patents Corporation. Internal combustion hammer. 2,180,034; Nov. 14.
Chase, David G., Adel, Iowa. Rotary snow plow. 2,179,713; Nov. 14.
Chester, Frank R., Seattle, Wash. Game apparatus. 2,180,329; Nov. 14.
Chicago Carton Company. (See Hasbrook, John V. A., assignor.)
Chicago Pneumatic Tool Company. (See O'Farrell, Matthew, assignor.)
Chiomes, Nick, et al. (See Spartalis, Michael P., assignor.)
Chrysler Corporation. (See Fishburn, Otto E., assignor.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Chrysler Corporation. (See Maurer, Edwin R., assignor.)
Chrysler Corporation. (See Van Der Sluys, William, assignor.)
Clar, Erich, Herrnskretschen-on-the-Elbe, Czechoslovakia, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the perylene series. 2,179,920; Nov. 14.
Clark Controller Company, The. (See Rippl, Charles H., assignor.)
Clark Equipment Company. (See Lapsley, Robert, assignor.)
Clarke, Fredrick D., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Spool and container for sensitized film or paper. 2,180,222; Nov. 14.
Claxton, Edmund, C. C. Schrader, and H. G. Swarr, assignors to Armstrong Cork Company, Lancaster, Pa. Insulated structure and making the same. 2,179,542; Nov. 14.
Clay, Harry C., assignor to Reeves Pulley Company, Columbus, Ind. Belt splice. 2,179,813; Nov. 14.
Cleghorn, William G., Claygate, assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England. Controlling the timing and sequence of operations in laundry machines and the like. 2,180,035; Nov. 14.
Clements, Clarence F., San Francisco, Calif., assignor of twenty per cent to R. A. Garman and forty-five per cent to W. R. Garman. Drum brake. 2,179,543;
Coates, Fielding C., assignor to Mole-Richardson Co., Los Angeles, Calif. Electrode release for arc lamps. 2,179,776; Nov. 14.
Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Apparatus for introducing fluid into a deep well pump. 2,179,480; Nov. 14.
Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Pump inlet means. 2,179,481; Nov. 14.
Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Pulsometer gas anchor and operating. 2,179,482; Nov. 14.
Cohen, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Combined rheostat and switch. 2,179,680; Nov. 14.
Cohen, Myrtle M., Los Angeles, Calif. Convertible dish-cloth and scraper. 2,179,614; Nov. 14.
Collett, Charles H., Walnut Park, Calif., assignor of one-half to H. E. Lynn, Monterey Park, Calif. Hydraulic well jar. 2,180,223; Nov. 14.
Collins, Arthur E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for forming sheet material. 2,179,842; Nov. 14.
Conaghan, Billy F., Tonkawa, Okla. Adjustable tubing hanger and stuffing box support. 2,179,814; Nov. 14.
Conklin, Rosco D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Valve mechanism. 2,179,815; Nov. 14.
Conn, C. G., Ltd. (See Hultsch, Charles, assignor.)
Conn, C. G., Ltd. (See Loney, Hugh W., assignor.)
Conner, Edward A., Srtatford, Conn., and W. E. Myers, York, Pa., assignors to American Chain & Cable Company, Inc., New York, N. Y. Forming a link reinforcement. 2,180,100; Nov. 14.
Conner, Edward A., Srtatford, Conn., and W. E. Myers, York, Pa., assignors to American Chain & Cable Company, Inc., New York, N. Y. Reinforced antiskid tire chain. 2,180,101; Nov. 14.
Container Corporation of America. (See Kells, Benjamin F., assignor.)
Container Corporation of America. (See Saylor, John S., assignor.)
Continental Machines, Incorporated. (See Wilkie, Leighton A., assignor.)
Cook, Lewis R., and M. T. Goetz, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Keyboard perforator and counter. 2,179,493; Nov. 14.
Cooper, Lester S., Bedford, Va., assignor to Rubatex Products, Inc., New York, N. Y. Smell elimination in rubber products. 2,179,494; Nov. 14.
Copeland, Walter M., Lexington, Mass. Collapsible case. 2,179,843; Nov. 14.
Copenhaver, George H. (See Court, A. B., Copenhaver, and Flodin.)
Corbett, Lawrence W., Worcester, assignor of thirty-three per cent to R. N. Doble, Hingham, and thirty-four per cent to W. H. Doble, Quincy, Mass. Method of and apparatus for burning low-volatile fuel. 2,180,196; Nov. 14.
Court, Alva B., U. S. Navy, G. H. Copenhaver, Montclair, N. J., and J. Flodin, Washington, D. C. Door and hatch closure. 2,179,495; Nov. 14.
Cowles Company, The. (See Cowles, Edwin, assignor.)
Cowles, Edwin, Hopewell, assignor to The Cowles Company, Princeton, N. J. Apparatus for refining paper stock. 2,180,080; Nov. 14.
Craig, Arthur S., Kansas City, Mo., assignor to Western Electric Company, Incorporated, New York, N. Y. Audiphone. 2,179,615; Nov. 14.
Criddle, Ray B., assignor to Ex-Cell-O Corporation, Detroit, Mich. Retractable tool and holder therefor. 2,179,573; Nov. 14.
Crist, Robert W. (See Berg, R., and Crist.)
Crites, Wilbur J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for well cleaning. 2,179,619; Nov. 14.
Crites, Wilbur J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Well cleaning. 2,179,620; Nov. 14.
Cubitt, Roger H. (See Williams, A. L., Thompson, and Cubitt.)
Cuffiin, John J., Verdun, Quebec, Canada. Universal shaft coupling. 2,179,921; Nov. 14.
Cullin, Jasper F., Detroit, Mich., assignor of two-thirds to L. Mervis, Chicago, Ill. Mechanism for dereeling or unwinding wire from coils. 2,179,574; Nov. 14.
Cunningham, Harry G. (See Eglingson, W., and Cunningham.)
Currivan, Francis E., and C. W. Brown, Brattleboro, Vt. Material spreader. 2,179,483; Nov. 14.
Cutasy Laboratories, Inc. (See Henderson, E. E., and Mecker, assignors.)
Cutler-Hammer, Inc. (See Baer, W. O., and Seeger, assignors.)
Cutler, Roger W., Boston, Mass. Drive belt for textile spindles. 2,179,655; Nov. 14.
Czeschin, Frank H., Washington, Mo. Water heater. 2,179,496; Nov. 14.
Dame, Charles V., Lanark, Ill. Electric receptacle. 2,180,197; Nov. 14.
Dana, Arnold G., New Haven, Conn. Manicure accessory. 2,179,922; Nov. 14.
Daniel, Walter. (See Mueller-Cunradi, M., and Daniel.)

Daniel, Walter. (See Mueller-Cunradi, M., Otto, Daniel, and Werner.)
Dardel, Aimé J., Moncey, Doubs, France. Airship and sustaining the same. 2,180,036; Nov. 14.
Darrow, George A., Los Angeles, Calif. Producing a bacon rind food product. 2,179,616; Nov. 14.
Davenport, R. B., Jr. (See Henderson, Krieger W., assignor.)
Davies, Clarence J., Detroit, Mich. Harmonica. 2,179,993; Nov. 14.
Davis, Bret H., Ollie, Iowa. Valve grinding tool. 2,179,714; Nov. 14.
Davis, Clarke F., Short Hills, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Metal decking. 2,180,317; Nov. 14.
Davis, Clyde W. (See Britton, E. C., Marshall, and Davis.)
Davis, George L., Binghamton, and L. W. Moulton, Syracuse, assignors to Nineteen Hundred Corporation, Binghamton, N. Y. Wringer. 2,179,715; Nov. 14.
Davis, Myron L., Indianapolis, Ind. Finger signal. 2,179,777; Nov. 14.
Davis, William H., Austin, Tex. Stamping machine. 2,180,037; Nov. 14.
Davitow, Sergo B., St. Albans, N. Y. Spot welding appliance. 2,179,497; Nov. 14.
Davy, Lee G. (See Hasche, R. L., and Davy, assignors.)
Day, William P., Cleveland Heights, assignor to The International Vibration Company, Cleveland, Ohio. Apparatus for empiacing concrete. 2,180,198; Nov. 14.
Dayton Rubber Manufacturing Company, The. (See Freedlander, Abraham L., assignor.)
Dayton Rubber Manufacturing Company, The. (See Kremer, Edward H., assignor.)
Deardorff, Earl, Portland, Oreg. Vehicle wheel traction. 2,179,587; Nov. 14.
Dedicated to the free use of the People of the United States of America. (See Sedgwick, Kenneth G.)
De Baufre, William L., Lincoln, Nebr. Method and apparatus for separating ethylene from a gaseous mixture. 2,180,200; Nov. 14.
Deems, Edward M., Forest Hills, assignor to Railroad Accessories Corporation, New York, N. Y. Rail bond. 2,180,318; Nov. 14.
Deere & Company. (See Strandlund, Carl G., assignor.)
Deitz, Louis S., Jr. (See Bell, C. H., Deitz, and Stein.)
Deitz, Louis S., Jr., Westfield, N. J., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Purification of metals. 2,180,139; Nov. 14.
Delano, Howard A., Springettsbury Township, York County, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y. Tread member for antiskid devices. 2,180,099; Nov. 14.
Delano, Howard A., Springettsbury Township, York County, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y. Reinforced antiskid tire chain. 2,180,102; Nov. 14.
Delanty, Thomas W. (See Joyce, T. J., and Delanty.)
De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)
De Lavaud, Dimitri S., Paris, France. Disk differential. 2,179,923; Nov. 14.
De Marco, Louis, Jr., assignor to Superior Felt & Bedding Company, Chicago, Ill. Collapsible carton. 2,180,104; Nov. 14.
Dempster, George R., Knoxville, Tenn. Transporting vehicle. 2,179,778; Nov. 14.
Dempster, George R., Knoxville, Tenn. Transporting and dumping vehicle. 2,179,779; Nov. 14.
Denneen, Francis S., Cleveland, W. C. Dunn, Shaker Heights, and C. N. Mitchell, Berea, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for heat treating. 2,180,038; Nov. 14.
Dennison, Orvie G., assignor of twenty one-hundreths to C. D. Thomas, twenty one-hundreths to J. C. Essary, twenty one-hundreths to L. W. Scott, and twenty one-hundreths to R. Dennison, Lextington, Tenn. Liquid dispenser. 2,179,588; Nov. 14.
Dennison, Roy, et al. (See Dennison, Orvie G., assignor.)
Dental Research Corporation. (See Erdle, Reiner W., assignor.)
Deutsche Gold- und Silber-Scheide-Anstalt vormals Roessler. (See Jaeger, G., and Diehl, assignors.)
Devall, James W., Montgomery, Ala. Tie holder. 2,180,224; Nov. 14.
De Voe, Albert H., Livingston Manor, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine feeding mechanism. 2,179,924; Nov. 14.
Dewberry, William L., Dallas, Tex. Bottle wrapper and roller. 2,179,780; Nov. 14.
Dewhurst, Frank, assignor to Baker Perkins Limited, Peterborough, England. Laundry machine. 2,180,225; Nov. 14.
Diamond, Harry, assignor to The Government of the United States as represented by the Secretary of Commerce. Blind landing of aircraft. 2,179,499; Nov. 14.
Diamond Iron Works, Incorporated. (See Malmsten, Philip C., assignor.)
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dickie, William A., and P. F. C. Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of artificial materials. 2,179,544; Nov. 14.
Dictaphone Corporation. (See Norton, L. D., and Horwath, assignors.)
Dictaphone Corporation. (See Renholdt, John E., assignor.)
Dictograph Products Company. (See Waite, William H., assignor.)
Diehl, Heinrich. (See Jaeger, G., and Diehl.)
Diehl, Walter S., U. S. Navy. Pitot-static tube. 2,179,500; Nov. 14.
Dieterich, Albert E., Washington, D. C., assignor to Ed. Friedrich Inc., San Antonio, Tex. Refrigerator window. 2,179,589; Nov. 14.
Dietert, Harry W., Detroit, Mich. Metering device. 2,179,687; Nov. 14.
Dietrich, Edgar L., Centerport, Pa. Fishing tackle. 2,179,878; Nov. 14.
Dilg, Earl W., assignor to Autopulse Corporation, Detroit, Mich. Pump. 2,179,925; Nov. 14.
Dilks, James J., Jr., Haddon Heights, N. J. Photographic reproduction apparatus. 2,179,617; Nov. 14.
Dispenser Products Inc. (See Grant, William F., assignor.)
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Distillation Products, Inc. (See Hickman, K. C. D., and Hecker, assignors.)
Doble, Ralph N., et al. (See Corbett, Lawrence W., assignor.)
Doble, Ralph N. (See Walling, William G., assignor.)
Doble, William H., et al. (See Corbett, Lawrence W., assignor.)
Dodge, Arthur B., Lancaster, Pa. Bottle stopper and seal therefor. 2,179,879; Nov. 14.
Dodge, Arthur B., Lancaster, Pa. Bottle stopper sealing strip remover. 2,179,880; Nov. 14.
Dolan, J. P. J., et al. (See Spartalis, Michael P., assignor.)
Domestic Manufacturing Company. (See Jenkins, Wayne E., assignor.)
Dominion Truck Equipment Company Limited. (See Gurton, W. S., Plint, and Nyberg, assignors.)
Doncourt, Joseph H., Woodside, N. Y. Pipe smoker's utensil. 2,179,926; Nov. 14.
Doran, John H., Scotia, N. Y., assignor to General Electric Company. Elastic fluid turbine for ship propulsion. 2,180,140; Nov. 14.
Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to General Electric Company. Gas-filled electric lamp. 2,180,141; Nov. 14.
Dorsett, Tracy K., Duncan Field, San Antonio, Tex. Vaccinator. 2,179,501; Nov. 14.
Dougherty, John, Sr., Philadelphia, Pa. Safety feeding attachment for clothes wringers. 2,179,590; Nov. 14.
Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Dispensing device. 2,179,688; Nov. 14.
Dow Chemical Company, The. (See Britton, E. C., Marshall, and Davis, assignors.)
Dow Chemical Company, The. (See Van Duzee, Edward M., assignor.)
Downflow Syphon Company. (See Hawley, Charles G., assignor.)
Draper Corporation. (See Lundgren, William E., assignor.)
Dregney, Rodell A. (See Frank, L. R., and Dregney.)
Driver, Charles H., Racine, Wis. Floor-sanding machine. 2,180,039; Nov. 14.
Driver, Charles H., Racine, Wis. Sanding drum. 2,180,040; Nov. 14.
Drummond, Price, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Closure for dry cells. 2,179,816; Nov. 14.
Du Boscq de Beaumont, Henry M. E., Saint-Victor l'Abbaye, France. Method and device for making articles consisting of a band of the helical type. 2,179,881; Nov. 14.
Dunckiee, Elmer R., Mystic, Conn., and C. M. Sheldon, Westerly, R. I., assignors to The Atwood Machine Company, Stonington, Conn. Stop motion for twisting machines. 2,179,498; Nov. 14.
Dunn, William C. (See Denneen, F. S., Dunn, and Mitchell.)
Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for use in manufacturing boots and shoes. 2,180,277; Nov. 14.
Du Pont, E. I., de Nemours & Company. (See Arnold, Luther B., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Banigan, Thomas F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carr, D. M., and Pilcher, assignors.)
Du Pont, E. I., de Nemours & Company. (See Clar, Erich, assignor.)
Du Pont, E. I., de Nemours & Company. (See Graham, Donald P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Osterloh, R. H., and Scarborough, assignors.)
Du Pont, E. I., de Nemours & Company. (See Perkins, Melvin A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)
Durieux, Jules J., Chatou, France. Tunnel Kiln. 2,180,041; Nov. 14.
Durre, Allen, Evansville, Ind. Blind. 2,179,882; Nov. 14.

Dynamit-Actien-Gesellschaft, vormals Alfred Nobel & Co. (See Friederich, W., and Flick, assignors.)
Earnheart, Isaac L., Troy, Mont. Drill bit. 2,179,689; Nov. 14.
Easley, Curran S., La Grange, Ga., assignor to The American Mono Rail Company, Cleveland, Ohio. Monitor cleaner. 2,179,976; Nov. 14.
Eastman Kodak Company. (See Beilenson, Bernard, assignor.)
Eastman Kodak Company. (See Bright, A. G., and Fisher, assignors.)
Eastman Kodak Company. (See Figg, Louis J., Jr., assignor.)
Eastman Kodak Company. (See Figg, L. J., Jr., and Rhea, assignors.)
Eastman Kodak Company. (See Gunnarson, Gunnar, assignor.)
Eastman Kodak Company. (See Hasche, R. L., and Davy.)
Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Eastman Kodak Company. (See Martin, Frederick C., assignor.)
Eastman Kodak Company. (See McLeod, J. H., and Holmes, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Morse, Richard S., assignor.)
Eastman Kodak Company. (See Nagel, August, assignor.)
Eastman Kodak Company. (See Ort, Carl, assignor.)
Eastman Kodak Company. (See Stone, Herbert G., assignor.)
Eastman Kodak Company. (See Tucker, Stephen M., assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eaton, Warren S., Los Angeles, Calif. Toilet kit. 2,180,226; Nov. 14.
Eberhard Faber Pencil Co. (See Zoll, Henry, assignor.)
Ebert, Joseph F., Hollis, N. Y., and T. A. Terjesen, Hoboken, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Alarm dispatching mechanism. 2,179,994; Nov. 14.
Eclipse Aviation Corporation. (See Zwack, Raymond T., assignor.)
Edeleanu Gesellschaft, m. b. H. (See Weir, James W., assignor.)
Edelman, E., & Co. (See Cattol, Louis C., assignor.)
Edelman, Monroe D., New York, and E. T. Tiaza, Yonkers, assignors to Pyridium Corporation, Nepara Park, New York, N. Y. Hexamethylene tetramine salts of aromatic acids. 2,179,618; Nov. 14.
Edes Manufacturing Company, The. (See Finkeldey William H., assignor.)
Edge, Alfred J., Savannah, Ga., and W. S. Edge, Pittsburgh, Pa. Resistance electric welding. 2,179,545; Nov. 14.
Edge, Walter S. (See Edge, Alfred J. and W. S.)
Edwards, O. M., Company. (See Nelson, Russell B., assignor.)
Eglinton, William, Reseda, and H. G. Cunningham, Los Angeles, Calif., assignors to R. K. O. Studios, Inc. Camera blimp. 2,179,817; Nov. 14.
Ehresmann, Adam, Kaiserslautern, and L. Streibel, Karlsruhe, Germany. Soling machine. 2,180,227; Nov. 14.
Elier, Anthony J., Hill City, Minn. Cigarette lighter. 2,179,716; Nov. 14.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company. Philadelphia, Pa. Disk wheel. 2,179,656; Nov. 14.
Electreporter, Inc. (See Previn, Arthur G., assignor.)
Elger, Franz, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of levo-ascorbic acid. 2,179,977; Nov. 14.
Elger, Franz, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of levo-ascorbic acid. 2,179,978; Nov. 14.
Ellis, Russell S., Vineland, N. J. Separating particles of solid material. 2,180,278; Nov. 14.
Emerson Electric Mfg. Co., The. (See Streck, Charles, assignor.)
Emerson Electric Mfg. Co. (See Weber, Victor, assignor.)
Emmons, Arthur N., Nedrow, N. Y., assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y. Abrading machine. 2,179,995; Nov. 14.
Emmons, Willard O. (See Saunders, L. P., and Emmons.)
Engbrecht, George C., and A. J. Olsen, Chicago, Ill., and A. M. Olsen, Milwaukee, Wis., assignors to Permo Products Corporation. Pressing and ironing machine. 2,180,103; Nov. 14.
Enterprise Manufacturing Company, The. (See Adams, Walter L., assignor.)
Entwisle & Kenyon Limited. (See Kenyon, James M., assignor.)
Eppens, Smith Company. (See Heres, Martin, assignor.)
Erdle, Reiner W., Chicago, Ill., assignor to Dental Research Corporation. Retention means for artificial teeth, gum sections, and the like. 2,179,502; Nov. 14.
Erickson, George L., Hasbrouck Heights, N. J., and P. E. Teter, assignors to The Western Union Telegraph Company, New York, N. Y. Regenerative repeater for telegraph systems. 2,179,690; Nov. 14.
Erlanger, Sanford, and D. E. Anderson, Los Angeles, Calif. Package and article carrier. 2,179,844; Nov. 14.
Ernst, Matthew, deceased; The Northern Trust Company, executor, and H. B. Holthouse, said executor assignor to The Northern Trust Company, Chicago, Ill. Drive system for gas electric automobiles. 2,179,546; Nov. 14.
Ernst, Matthew, deceased; The Northern Trust Company, executor, and H. B. Holthouse, said executor assignor to The Northern Trust Company, Chicago, Ill. Drive system for gas electric automobiles. 2,179,547; Nov. 14.
Essary, James C., et al. (See Dennison, Orvie G., assignor.)
Estey, Roger S., assignor to Spencer Lens Company, Buffalo, N. Y. Camera. 2,179,657; Nov. 14.
Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Suction and irrigation apparatus. 2,180,042; Nov. 14.
Ex-Cell-O Corporation. (See Criddle, Ray B., assignor.)
Falder, Leo F., et al. (See Vote, Rex W., assignor.)
Falkoff, Harry S., Wooster, Ohio. Display device. 2,179,884; Nov. 14.
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., and R. L. Snyder, Borough of Glasboro, N. J., assignors to Farnsworth Television & Radio Corporation, Dover, Del. Electron multiplier. 2,179,996; Nov. 14.
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Operating electron multipliers. 2,180,279; Nov. 14.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Farnsworth Television & Radio Corporation. (See Farnsworth, P. T., and Snyder, assignors.)
Farrel-Birmingham Company. (See Schnuck, Carl F., assignor.)
Farrell, Francis J., Philadelphia, Pa. Road marker and applying the same. 2,180,105; Nov. 14.
Fedotoff, Nicholas V., Lynbrook, N. Y. Automatic photographic shutter. 2,179,717; Nov. 14.
Fedotoff, Nicholas V., Lynbrook, N. Y. Automatic camera shutter device. 2,179,718; Nov. 14.
Feigel, George R., Chicago, Ill., assignor of twenty per cent to McLaughlin & Wallenstein, Chicago, Ill. Gear abutment eliminator. 2,180,290; Nov. 14.
Fidelity Machine Company. (See Larkin, Walter, assignor.)
Fleux, Jean, assignor of one-half to Schneider & Cie, Paris, France. Gyroscope. 2,180,043; Nov. 14.
Figg, Louis J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing ethylene diamine. 2,179,997; Nov. 14.
Figg, Louis J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing quinoline. 2,179,998; Nov. 14.
Figg, Louis J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing tetrahydrofurfuryl alcohol. 2,179,999; Nov. 14.
Figg, Louis J., Jr., and J. W. Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing a lower alkyl acetal. 2,180,000; Nov. 14.
Figg, Louis J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Purification of hardwood oils. 2,180,001; Nov. 14.
Fike, Charles H. (See Keel, K. O., and Fike.)
Fincher, John L. (See Trout, W. C., and Fincher.)
Finkeldey, William H., Hastings on Hudson, N. Y., assignor to The Edes Manufacturing Company, Plymouth, Mass. Zinc base alloy. 2,180,291; Nov. 14.
Finkeldey, William H., Hastings on Hudson, N. Y., assignor to The Edes Manufacturing Company, Plymouth, Mass. Zinc base alloy. 2,180,292; Nov. 14.
Finkeldey, William H., Hastings on Hudson, N. Y., assignor to The Edes Manufacturing Company, Plymouth, Mass. Zinc engraving plate. 2,180,293; Nov. 14.
Finnigan, Lawrence L., Seattle, Wash. Fluid fuel control means for oil burners. 2,179,846; Nov. 14.
Fish Machinery Corporation. (See Hunt, William H., assignor.)
Fish, Waldo H., assignor to American Supply Company, Central Falls, R. I. Pitch band reed. 2,180,201; Nov. 14.
Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmitting device and clutch therefor. 2,179,927; Nov. 14.
Fisher, Webster E. (See Bright, A. G., and Fisher.)
Fitch, John, New York, N. Y., assignor to Standard Container, Inc., Bloomfield, N. J. Spraying device. 2,179,845; Nov. 14.
Fitzpatrick, Ira H., assignor of one-half to J. L. Hudgins, Austin, Tex. Coin controlled cap removed. 2,179,883; Nov. 14.
Fleischer, Max. (See Burks, John E., assignor.)
Fleischmann, Richard. (See Sturm, E., and Fleischmann.)

Fletcher, Pierce, assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,179,621; Nov. 14.
Fletcher, Richard H., Hamburg, N. Y. Crate. 2,179,847; Nov. 14.
Fletcher, William G., Bogota, N. J. Scooter. 2,180,143; Nov. 14.
Flick, Karl. (See Friederich, W., and Flick.)
Flodin, John. (See Court, A. B., Copenhaver, and Flodin.)
Florman, Irving, New York, N. Y. Portable electric lamp. 2,180,228; Nov. 14.
Folmer Graflex Corporation, The. (See Hineline, Edson S., assignor.)
Food Machinery Corporation. (See Stabler, Fred, assignor.)
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Ford, Walter D., Columbus, Ohio. Molded body of synthetic resin containing photographic designs. 2,180,002; Nov. 14.
Ford, William H., assignor to Red Head Brand Company, Chicago, Ill. Dresser for fishing lines and flies. 2,179,548; Nov. 14.
Forstner Chain Corporation. (See Schoeninger, Adolf O., assignor.)
Forter, Samuel A., Avalon, Pa., assignor to Forter-Teichmann Company. Glass furnace and operation. 2,179,848; Nov. 14.
Forter-Teichmann Company. (See Forter, Samuel A., assignor.)
Foster, Theodore W., & Bro. Company. (See Parkin, Winfred T., assignor.)
Fox, Charles A. (See McCluskey, F. J., and Fox.)
Fox, Charles A., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,179,484; Nov. 14.
Fox, Kent R., and E. C. Hyry, St. Louis, and I. Hatfield, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Composite polychlorophenol product. 2,180,142; Nov. 14.
Frakes, Stuart A., Klamath Falls, Oreg. Shipping box. 2,180,229; Nov. 14.
Francisco, Charles M. (See Gerow, J. R., and Francisco.)
Frank, Leo R., Milton Junction, and R. A. Dregney, Janesville, Wis. Seed and material distributor attachment to trucks. 2,180,044; Nov. 14.
Frank, William H., Detroit, Mich. Switch. 2,179,737; Nov. 14.
Frankel, Edward M., and A. Poliak, assignors to West Virginia Pulp & Paper Company, New York, N. Y. Electric boiler. 2,179,781; Nov. 14.
Frankel, Edward M., Cedarhurst, Md., and A. Poliak, assignors to West Virginia Pulp & Paper Company, New York, N. Y. Control device for boilers. 2,179,782; Nov. 14.
Frappier, Louis S., New York, and A. Kindelmann, Floral Park, assignors to International Projector Corporation, New York, N. Y. Film sprocket. 2,179,550; Nov. 14.
Freedlander, Abraham L., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Belt. 2,179,691; Nov. 14.
Freeth, Samuel T., Drexel Hill, Pa. Sharpening device. 2,180,230; Nov. 14.
Freeze, Jonathan R., assignor to The American Rolling Mill Company, Middletown, Ohio. Turret type roll forming-machine. 2,179,849; Nov. 14.
Friederich, Walter, and K. Flick, Troisdorf, Bez, Cologne, assignors to Dynamit-Actien-Gesellschaft, vormals Alfred Nobel & Co., Troisdorf, near Cologne, Germany. Production of tetrazylazide and the salts thereof. 2,179,783; Nov. 14.
Friedrich, Ed., Inc. (See Dieterich, Albert E., assignor.)
Friedrich, Ed., Inc. (See Brinkoeter, Paul H., assignor.)
Frizzelle, Jasper B. (See Willis, Elijah J., assignor.)
Frudden, Conrad E. Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Oil filter. 2,179,784; Nov. 14.
Fry, Alva L., North Platte, Nebr. Push-off for sweep rakes. 2,179,549; Nov. 14.
Fuchs, Harry B., Brooklyn, N. Y. Machine for shaping forms from fabric materials. 2,179,692; Nov. 14.
Fuller, Albert W., Munice, Ind. Roofing shingle. 2,179,738; Nov. 14.
Fumagalli, Charles, Guatemala City, Guatemala. Windmill and windmill electric generating and regulating storage system. 2,179,885; Nov. 14.
Gagnon, Louis L. (See Glancy, A. E., and Gagnon.)
Gallagher, Clarence D., assignor of one-half to W. Schrem, Philadelphia, Pa. Producing ringless knitted fabrics. 2,179,785; Nov. 14.
Gallagher, Michael J., Kingston, N. Y. Electrician's guide. 2,179,658; Nov. 14.
Gardner, Paul N., Bethesda, Md. Combined detachable label and pouring spout. 2,180,045; Nov. 14.
Garman, Robert A., et al. (See Clements, Clarence F., assignor.)
Garman, Wilbur R., et al. (See Clements, Clarence F., assignor.)
Garrett, Alva H., assignor of 50 per cent to C. O. Parker, Denver, Colo. Flotation machine. 2,179,622; Nov. 14.
Gas Tool Patents Corporation. (See Charles, Carl L., assignor.)
Gasoline Products Company. (See Armistead, George, Jr., assignor.)
Gaylord Container Corporation. (See Zinser, Irwin, assignor.)
Gebauer, Charles L., assignor to The Gebauer Chemical Company, Cleveland, Ohio. Spray nozzle. 2,180,084; Nov. 14.
Gebauer Chemical Company, The. (See Gebauer, Charles L., assignor.)
Gedde, Andrew A. (See Kenney, M. W., and Gedde.)
Geertz, Eric, Aurora, and J. E. Taylor, Elgin, assignors to Cardox Corporation, Chicago, Ill. Method and apparatus for producing, transporting, storing, and/or handling liquid carbon dioxide. 2,180,231; Nov. 14.
Geier, James, Troy, N. Y., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill. Electric timer for toasters. 2,180,232; Nov. 14.
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
Geigy, J. R., A. G. (See Krebser, Adolf, assignor.)
Geigy, J. R., A. G. (See Schafer, Josef, assignor.)
General Aniline Works, Inc. (See Laska, L., Zitscher, and Heil, assignors.)
General Aniline Works, Inc. (See Müller, W., and Berres, assignors.)
General Electric Company. (See Ashworth, John, assignor.)
General Electric Company. (See Brand, Frederick F., assignor.)
General Electric Company. (See Biermanns, Josef, assignor.)
General Electric Company. (See Carlson, Frank E., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Dorgelo, Eduard G., assignor.)
General Electric Company. (See Gieseler, Martin, assignor.)
General Electric Company. (See Höpp, Wilhelm, assignor.)
General Electric Company. (See Kjolseth, Ole K., assignor.)
General Electric Company. (See Kuehni, Hans P., assignor.)
General Electric Company. (See Lenz, Walter, assignor.)
General Electric Company. (See Leopold, Otto, assignor.)
General Electric Company. (See Light, Philip H., assignor.)
General Electric Company. (See Minneci, Salvatore, assignor.)
General Electric Company. (See Michaelis, Lothar, assignor.)
General Electric Company. (See Puffer, Samuel R., assignor.)
General Electric Company. (See Sills, H. R., and Canning, assignors.)
General Electric X-Ray Corporation. (See Page, Everett W., assignor.)
General Mills, Inc. (See Miller, Sidney E., assignor.)
General Motors Corporation. (See Brecht, August F., assignor.)
General Motors Corporation. (See Goldstein, George, assignor.)
General Motors Corporation. (See Jominy, Walter E., assignor.)
General Motors Corporation. (See Keel, K. O., and Fike, assignors.)
General Motors Corporation. (See Saunders, Laurence P., assignor.)
General Motors Corporation. (See Saunders, L. P., and Emmons, assignors.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
Gentry, W. W. (See Rice, John W., assignor.)
Gerow, Joshua R., and C. M. Francisco, Liberty, N. Y. Single cylinder assembly for gas systems. 2,179,886; Nov. 14.
Giacobbe, John. (See Santarelli, V., and Giacobbe.)
Gieseler, Martin, Berlin, Germany, assignor to General Electric Company. Control mechanism. 2,180,144; Nov. 14.
Gintz, Walter F., Nacogdoches, Tex. Window stop and lock. 2,179,887; Nov. 14.
Glancy, Anna E., assignor to American Optical Company, Southbridge, Mass. Optical system for measuring changes in magnification. 2,179,850; Nov. 14.
Glancy, Anna E., and L. L. Gagnon, assignors to American Optical Company, Southbridge, Mass. Ophthalmic lens. 2,180,003; Nov. 14.
Gleissner, Paul, Dusseldorf, Germany. Calendering machine. 2,180,046; Nov. 14.
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Globe-Union Inc. (See Stoekle, Erwin R., assignor.)
Godchaux Sugars, Inc. (See Godchaux, Walter, assignor.)
Godchaux, Walter, assignor to Godchaux Sugars, Inc., New Orleans, La. Poultry litter and animal bedding. 2,179,591; Nov. 14.
Godsey, Frank W., Jr., North Adams, Mass., assignor to The Safety Car Heating & Lighting Company. Control of parallel operation of generators. 2,179,623; Nov. 14.
Goettle, Theodore R., Philadelphia, Pa. Roller skate brake. 2,179,592; Nov. 14.
Goetz, Maurus T. (See Cook, L. R., and Goetz.)
Goggins, Jull R., Minneapolis, Minn. Triplicate indicating device. 2,179,739; Nov. 14.

Goldstein, George, Oshawa, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich. Welding electrode. 2,179,693; Nov. 14.
Goodrich, B. F., Company, The. (See Alexander, Claude H., assignor.)
Goodrich, B. F., Company, The. (See Collins, Arthur E., assignor.)
Goodrich, B. F., Company, The. (See Mathes, Roger A., assignor.)
Goskey, Frank J., Euclid, Ohio. Cap. 2,179,719; Nov. 14.
Government of the United States as represented by the Secretary of Commerce, The. (See Diamond, Harry, assignor.)
Graham, Donald P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs and dyestuff intermediates of the anthraquinone series. 2,179,551; Nov. 14.
Graham, Donald P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,179,552; Nov. 14.
Graham, Harold E., Pomona, Calif. Receptacle. 2,179,624; Nov. 14.
Graham, Maurice H., St. Louis Park, Minn., assignor to McGraw Electric Company, Chicago, Ill. Timed cooker. 2,180,233; Nov. 14.
Grant, William F., Cleveland Heights, Ohio, assignor to Dispenser Products Inc., New York, N. Y. Dispensing device. 2,180,004; Nov. 14.
Green, George H., Leicester, England. Jack sinker. 2,179,888; Nov. 14.
Griffin, Baldwin, New York, N. Y. Alarm device. 2,180,047; Nov. 14.
Griffin, James H., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Glass grinding tool. 2,179,740; Nov. 14.
Groden, John J., Philadelphia, Pa. Work holder. 2,179,625; Nov. 14.
Groskopf, Edwin O., Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Insulating panels. 2,180,305; Nov. 14.
Guildford, Joseph R., et al. (See Carey, George B., assignor.)
Gulf Oil Corporation. (See Smith, Herschel G., assignor.)
Gunnarson, Gunnar, assignor to Eastman Kodak Company, Rochester, N. Y. Speed control for spring motor driven apparatus. 2,180,005; Nov. 14.
Gurton, William S., J. Plint, and H. Nyberg, assignors to Dominion Truck Equipment Company Limited, Kitchener, Ontario, Canada. Automatic semitrailer power hoist connection with truck power unit. 2,180,048; Nov. 14.
Haber, Christian, Hechingen, and E. Haumann, Stetten, near Hechingen, Germany. Production of boots and shoes. 2,180,234; Nov. 14.
Hacklander, Hans, Linden, N. J., and G. Sauer, Berwyn, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,180,319; Nov. 14.
Hadley, Homer M., Seattle, Wash. Concrete laying and placing machine. 2,179,553; Nov. 14.
Hadley, Homer M., Seattle, Wash. Internal form and reinforced concrete construction. 2,179,554; Nov. 14.
Hagenhaus, Kurt, Berlin-Siemensstadt, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiver gain control circuits. 2,179,928; Nov. 14.
Hale Fire Pump Co., The. (See Sargent, Richard B., assignor.)
Hall, Arthur H., Vancouver, British Columbia, Canada. Board game apparatus. 2,180,049; Nov. 14.
Hall, Cecil R. L. (See Taylor, W., and Hall.)
Hall, Curtiss W., Middletown, Ohio. Direction indicator for vehicles. 2,179,889; Nov. 14.
Hall, Harry V. M., Berkeley, Calif. Motorboat driving mechanism. 2,179,626; Nov. 14.
Hall, Preston M., Worcester, Mass., assignor to American Chain & Cable Company, Inc., New York, N. Y. Tread link for tire chains. 2,180,098; Nov. 14.
Hallden, Karl W., Thomaston, Conn. Flying cutting device. 2,180,202; Nov. 14.
Hallden, Karl W., Thomaston, Conn. Flying cutting device. 2,180,203; Nov. 14.
Hallden, Karl W., assignor to The Hallden Machine Company, Thomaston, Conn. Rotary cutting device. 2,180,204; Nov. 14.
Hallden Machine Company, The. (See Hallden, Karl W., assignor.)
Ham, Garnet P. (See Jones, L. C., Barnes, and Ham.)
Hamer, William D., Indianapolis, Ind., assignor to James R. Kearney Corporation, St. Louis, Mo. Grounding device. 2,179,720; Nov. 14.
Hamlin, Fred. (See Mooter, J. A., and Hamlin.)
Hammer, Gustaf, Chicago, Ill., assignor to International Harvester Company. Binder. 2,180,106; Nov. 14.
Hammett, David M. (See McCoy, C. T., and Hammett.)
Hampton, Leon N., New York, N. Y., and A. H. Shangle, Roselle, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrically heated tool. 2,179,818; Nov. 14.
Handler, Koloman, Vienna, Austria, assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,179,627; Nov. 14.
Hankins, Frederick W., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Defect card receptacle. 2,180,294; Nov. 14.
Hanovia Chemical and Manufacturing Company. (See Anderson, William T., Jr., assignor.)
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Mercury arc rectifier. 2,179,929; Nov. 14.
Hansen, Ernest A., Oakland, Calif. Valve. 2,180,320; Nov. 14.
Harding, Walter W., Martinsville, Ind. Jar cap tool. 2,180,235; Nov. 14.
Hardy, Arthur C., Wellesley, Mass., assignor to Interchemical Corporation. Making corrected color separation images. 2,179,786; Nov. 14.
Harford, Charles G., Quincy, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Making unsaturated chlorides or bromides and halohydrin esters. 2,179,787; Nov. 14.
Harford, Charles G., Wollaston, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Flatting agent and uses therefor. 2,180,145; Nov. 14.
Hardt, William G., Chicago, Ill. Road map mounting means for an automobile. 2,180,146; Nov. 14.
Harnischfeger Corporation. (See Oesterlein, William J., assignor.)
Harrington, George P., Fairfield, Conn. Hose coupling. 2,179,930; Nov. 14.
Harris, Mark B., Birmingham, Mich. Hinge. 2,179,931; Nov. 14.
Hartbauer, August W. L., Chicago, Ill. Brake operating mechanism. 2,179,503; Nov. 14.
Hartman, Irene M., Akron, Ohio. Package for attachment to shower nozzles. 2,179,932; Nov. 14.
Hartman, William W., Los Angeles, Calif. Multiple band blade slicing machine. 2,179,659; Nov. 14.
Harwood, Geo. S., & Son. (See Howe, Joseph B., assignor.)
Hasbrook, John V. A., Hinsdale, assignor to Chicago Carton Company, Chicago, Ill. Food product package. 2,179,504; Nov. 14.
Hasche, Rudolph L., and L. G. Davy, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Separation and refining of amines. 2,180,006; Nov. 14.
Hatfield, Ira. (See Fox, K. R., Hyry, and Hatfield.)
Hathaway, Jarrett L., Manhasset, N. Y., assignor to Radio Corporation of America. Short wave transmitter. 2,180,107; Nov. 14.
Haumann, Ernst. (See Haber, C., and Haumann.)
Haveles, Evangel A., Los Angeles, Calif. Check pad holder. 2,179,694; Nov. 14.
Hawley, Charles G., Chicago, assignor, by mesne assignments, to Downflow Syphon Company, Cleveland, Ohio. Crown sheet protection. 2,179,741; Nov. 14.
Hecker, John C. (See Hickman, K. C. D., and Hecker.)
Heil, Rudolf. (See Laska, L., Zitscher, and Heil.)
Heinisch, Paul, Berlin-Zehlendorf, Germany, assignor to Askania Werke A. G. Finder. 2,180,236; Nov. 14.
Heinzelmann, Hans, Effretikon, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Internal combustion engine plant. 2,179,628; Nov. 14.
Heinzelmann, Hans, Effretikon, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Supercharged combustion engine. 2,180,108; Nov. 14.
Henderson, Edward E., and D. O. Meeker, assignors, by mesne assignments, to Cutasy Laboratories, Inc., New York, N. Y. Perspiration accelerator. 2,180,280; Nov. 14.
Henderson, Krieger W., assignor of one-half to R. B. Davenport, Jr., Chattanooga, Tenn. Refrigerating apparatus. 2,180,237; Nov. 14.
Henkel & Cie. (See Köhler, Rüdolf, assignor.)
Henriksen, Alfred. (See Lincoln, B. H., Steiner, and Henriksen.)
Henriksen, Ellen M., administratrix. (See Lincoln, B. H., Steiner, and Henriksen.)
Heres, Martin, Elmhurst, assignor to Eppens, Smith Company, Inc., New York, N. Y. Container forming mechanism. 2,179,742; Nov. 14.
Hering, Edward, Beverly, assignor to United States Pipe and Foundry Company, Burlington, N. J. Reinforced concrete pipe. 2,179,629; Nov. 14.
Hey, Henry W., assignor to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism for motor vehicles. 2,180,330; Nov. 14.
Heyer, Don, assignor to U. S. Electrical Motors Inc., Los Angeles, Calif. Variable speed transmission device. 2,179,933; Nov. 14.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation apparatus. 2,180,050; Nov. 14.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Removal of gas from organic liquids. 2,180,051; Nov. 14.
Hickman, Kenneth C. D., and J. C. Hecker, assignors, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation apparatus. 2,180,052; Nov. 14.
Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Distillation apparatus. 2,180,053; Nov. 14.
High, Carl F., Flint, Mich. Fuel pump. 2,180,109; Nov. 14.
Hillman, Albert G., Maidenhead, England. Intermittent feed mechanism. 2,179,630; Nov. 14.
Hindle, Thomas, and S. Lord, Blackburn, England. Paper maker's drier felt. 2,180,054; Nov. 14.

Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Combination range and view finder. 2,179,851; Nov. 14.

Hinton, Edward M., and W. A. Brandt, Drexel Hill, Pa.; said Brandt assignor to said Hinton. Accelerator governor linkage. 2,179,788; Nov. 14.

Hirschman, Arthur, Detroit, Mich. Skate and making same. 2,179,852; Nov. 14.

Hock, Alvin, and A. F. Steloff, Cincinnati, Ohio; said Steiff assignor to said Hock. Cooler. 2,179,721; Nov. 14.

Hodgman, Frederick S., Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Positional control motor. 2,180,205; Nov. 14.

Hoe, R., & Co. (See Keller, G. M., and Huck, assignors.)

Hoener, Samuel T. (See Panzegrau, N. O., and Hoener.)

Hoffmann-La Roche Inc. (See Elger, Franz, assignor.)

Hoffmann-La Roche Inc. (See Isler, Otto, assignor.)

Hoffmann-La Roche, Inc. (See Spiegelberg, Hans, assignor.)

Hoke, Harry A., Altoona, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Drop coupler for locomotives. 2,179,789; Nov. 14.

Hoke, John A., assignor of one-half to R. B. Brown, Reading, Pa. Safety device for wringers on washing machines. 2,180,238; Nov. 14.

Holder, Brooks R., Richmond, Calif. Protective athletic garment. 2,179,631; Nov. 14.

Holland & Holland Limited. (See Holland, J. E. D., and Mansfield, assignors.)

Holland, John E. D., and W. Mansfield, assignors to Holland & Holland Limited, London, England. Shotgun cartridge. 2,180,239; Nov. 14.

Holler, Hermann, and O. Mues, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for the preparation of acetylene. 2,180,085; Nov. 14.

Holmes, Frederick M. E. (See McLeod, J. H., and Holmes.)

Holmes, W. C., & Company Limited. (See Bentley, Harry, assignor.)

Holophane Company. (See Rolph, Thomas W., assignor.)

Holthouse, Harry B. (See Ernst, M., and Holthouse.)

Homogenizer Corporation. (See Saylor, Howard L., assignor.)

Honnef, Hermann, Berlin, Germany. Wind-operated electrical power station. 2,180,206; Nov. 14.

Hoover Company, The. (See Berg, Quentin, assignor.)

Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic copying and projection apparatus. 2,180,007; Nov. 14.

Hopkins, Robert C. (See Hughes, J. W., Hopkins, and Odenbreit.)

Höpp, Wilhelm, Berlin-Heiligensee, Germany, assignor to General Electric Company. Electric circuit interrupter. 2,180,147; Nov. 14.

Horn, Otto. (See Lange, H., and Horn.)

Horwath, John H. (See Norton, L. D., and Horwath.)

Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Lock washer. 2,179,575; Nov. 14.

Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)

Hoving, Albert, Calgary, Alberta, Canada. Electric vulcanizing device. 2,179,819; Nov. 14.

Howe, Joseph B., Worcester, assignor to Geo. S. Harwood & Son, Boston, Mass. Trip mechanism for automatic weighers. 2,179,743; Nov. 14.

Huck, William F. (See Keller, G. M., and Huck.)

Hudgins, James L. (See Fitzpatrick, Ira H., assignor.)

Huey, Harold L., Lincoln, assignor to Sayles Finishing Plants, Inc., Saylesville, R. I. Finishing textile material. 2,179,505; Nov. 14.

Hughes, Jess W., R. C. Hopkins, and F. L. Odenbreit, Long Beach, Calif. Perforating pipe. 2,180,331; Nov. 14.

Hughes Tool Company. (See Wisler, A. E., and Woods, assignors.)

Hull, Samuel P., Yonkers, assignor to Railroad Accessories Corporation, New York, N. Y. Door fastener. 2,180,306; Nov. 14.

Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Cooling system. 2,179,632; Nov. 14.

Hultsch, Charles, assignor to C. G. Conn, Ltd., Elkhart, Ind. Tuning device. 2,180,110; Nov. 14.

Hunt, Samuel B., Jr., Essex, Conn. Bottle cap. 2,180,055; Nov. 14.

Hunt, William H., National City, assignor to Fish Machinery Corporation, San Diego, Calif. Fish-ribbing machine and method. 2,179,821; Nov. 14.

Hunter, James B., Quincy, Mass., assignor to Bethlehem Shipbuilding Corporation, Ltd. Metallic structure. 2,179,820; Nov. 14.

Huntsman, Edwin S., Fillmore, Calif. Pump plunger. 2,180,240; Nov. 14.

Hyry, Edmund C. (See Fox, K. R., Hyry, and Hatfield.)

I. G. Farbenindustrie Aktiengesellschaft. (See Brill, R., and Schoenemann, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Holler, H., and Mues, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Korte, Helmuth, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Lange, H., and Horn, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Mueller-Cunradi, M., and Daniel, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Mueller-Cunradi, M., Otto, Daniel, and Werner, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Pier, Mathias, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schuette, Herman, assignor.)

Ihagee Kamerawerk Steenbergen & Company. (See Nuchterlein, Karl, assignor.)

Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)

Illinois Tool Works. (See Hosking, Richard T., assignor.)

Imhoff, Karl, Essen, Germany. Aerating tank. 2,180,148; Nov. 14.

Imm, Lewis W., Inglewood, Calif. Balance computer. 2,179,822; Nov. 14.

Imperial Chemical Industries Limited. (See Taylor, W., and Hall, assignors.)

Independent Pneumatic Tool Co. (See Kuehne, Herman H., assignor.)

Industrial Process Corp. (See Minor, Henry R., assignor.)

Industrial Rayon Corporation. (See Samerdyke, Fred J., assignor.)

Ingalls, Willis A., assignor to Tompkins Bros. Co., Syracuse, N. Y. Brake means for yarns. 2,180,241; Nov. 14.

Ingersoll-Rand Company. (See Smith, H. A., and Kirgan, assignors.)

Inland Steel Company. (See Sykes, Wilfred, assignor.)

Interchemical Corporation. (See Hardy, Arthur C., assignor.)

International Harvester Company. (See Baker, D. B., and Rogers, assignors.)

International Harvester Company. (See Baker, D. B., Rogers, and Bechman, assignors.)

International Harvester Company. (See Hammer, Gustaf, assignor.)

International Harvester Company. (See Panzegrau, N. O., and Hoener, assignors.)

International Harvester Company. (See Smith, Hiram P., assignor.)

International Projector Corporation. (See Frappier, L. S., and Kindelmann, assignors.)

International Vibration Company, The. (See Day, William P., assignor.)

Intertype Corporation. (See Sperry, Arthur G., assignor.)

Isler, Otto, Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. α-naphthacetyl-amino acids and manufacture of same. 2,179,979; Nov. 14.

Jacob, Frederick N., assignor to Johnson Laboratories, Inc., Chicago, Ill. Machine for winding duolateral electrical coils. 2,180,207; Nov. 14.

Jacob, Frederick N., assignor to Johnson Laboratories, Inc., Chicago, Ill. Machine for bank-winding electrical coils. 2,180,208; Nov. 14.

Jacobi, Helmut. (See Strassberger, L., and Jacobi.)

Jaeger, Gustav, Neu-Isenburg, and H. Diehl, assignors to Deutsche Gold- und Silber-Scheide-Anstalt vormals Roessler, Frankfort-on-the-Main, Germany. Manufacturing green ceramic colors. 2,180,056; Nov. 14.

Jakosky, John J., Los Angeles, Calif., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Electrical method and apparatus for determining the characteristics of a geological formation traversed by a bore-hole. 2,179,593; Nov. 14.

Jahant, George A., U. S. Marine Corps. Parachute rip cord receding cone. 2,179,506; Nov. 14.

Jan Voogd, Herman G., Hengelo, Netherlands, assignor to R. J. Montgomery, Chicago, Ill. Wire stripper hand tool. 2,179,581; Nov. 14.

Jayne, David W., Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing melamine. 2,180,295; Nov. 14.

Jenkins, Wayne E., assignor to Domestic Manufacturing Company, Inc., Los Angeles, Calif. Automatic safety device. 2,179,633; Nov. 14.

Johns, Janet S. (See Johns, Robert I., assignor.)

Johns, Robert I., assignor to Janet S. Johns, Brooklyn, N. Y. Reflector. 2,179,660; Nov. 14.

Johnson, Albert E., Lennox, S. Dak. Well tool. 2,179,594; Nov. 14.

Johnson, Alvin L., Toledo, Ohio, assignor to The American Forging & Socket Company, Pontiac, Mich. Control for hand brakes. 2,180,209; Nov. 14.

Johnson, Andrew L., assignor to The American Forging & Socket Company, Pontiac, Mich. Adjustable supporting means. 2,180,210; Nov. 14.

Johnson, Arthur S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Abrading machine. 2,179,507; Nov. 14.

Johnson Laboratories, Inc. (See Jacob, Frederick N., assignor.)

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake hanger retainer. 2,179,722; Nov. 14.

Johnston, Arthur J. (See Levy, O. C., and Johnston.)

Jominy, Walter E., assignor to General Motors Corporation, Detroit, Mich. Ferrous alloy. 2,179,695; Nov. 14.

Jones, Horry M., Chicago, Ill. Measuring device. 2,180,057; Nov. 14.

Jones, Johnie J., assignor to Roswell Welding Company, Inc., Roswell, N. Mex. Welding transformer. 2,179,661; Nov. 14.

Jones, Louis C., Greenwich, R. B. Barnes, Stamford, and G. P. Ham, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Photographic developer. 2,179,790; Nov. 14.

Jones, Malcom L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Partition door. 2,180,112; Nov. 14.

Jones, Norman, Manchester, England. Jacquard card and verdol paper roll repeater cutting machine. 2,180,058; Nov. 14.

Jones, Robert I., Van Nuys, assignor of forty-two per cent to R. N. Wilson and ten per cent to S. Tannen, Los Angeles, and six per cent to L. D. Wilson, North Hollywood, Calif. Electric heating unit. 2,179,934; Nov. 14.

Jones, Ruel A., Covington, Ky. Making soap cakes. 2,179,853; Nov. 14.

Joyce, Thomas J., Pittsburgh, Pa., and T. W. Delanty, Hubbard Woods, Ill., assignors to Tri-Lok Company, Pittsburgh, Pa. Walkway, particularly for rail cars. 2,179,634; Nov. 14.

Junghans, Helmut, Schramberg-Sulgen, Germany. Clutch releasing mechanism for automatic lathes. 2,179,744; Nov. 14.

Kándle, Matthias M., Chicago, Ill. Artist's equipment. 2,180,059; Nov. 14.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle filling machine valve. 2,180,296; Nov. 14.

Kapella Limited. (See Phillips, Arthur C., assignor.)

Kaplinas, Ruth M., assignor to Munsingwear, Inc., Minneapolis, Minn. Body supporting garment. 2,180,111; Nov. 14.

Kaplan, Benjamin A., Philadelphia, Pa. Iron. 2,179,890; Nov. 14.

Kaplan, Benjamin A., Philadelphia, Pa. Indoor golf game. 2,179,891; Nov. 14.

Kayatt, Philip J., New York, N. Y. High potential cut-out. 2,179,935; Nov. 14.

Kearney, James R., Corporation. (See Fox, Charles A., assignor.)

Kearney, James R., Corporation. (See Hamer, William D., assignor.)

Kearney, James R., Corporation. (See McCluskey, F. J., and Fox, assignors.)

Kearney, James R., Corporation. (See Mebold, Frederick W., assignor.)

Keel, Knut O., and C. H. Fike, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich. Load limiting governor. 2,179,696; Nov. 14.

Keene, Alvin D., assignor to Samson-United Corporation, Rochester, N. Y. Automatic control for cooking utensils. 2,179,936; Nov. 14.

Keiper, Frank. (See Amico, Frank, assignor.)

Keller, George M., Rochester, and W. F. Huck, Richmond Hill, assignors to R. Hoe & Co., Inc., New York, N. Y. Plate clamp for printing machines. 2,179,508; Nov. 14.

Kellogg, Edward N., Detroit, Mich. Suspension means for picture frames. 2,180,211; Nov. 14.

Kells, Benjamin F., Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill. Paperboard basket. 2,179,555; Nov. 14.

Kemmer, Frank R., Larchmont, N. Y. Production of alkaline earth metals. 2,179,823; Nov. 14.

Kenney, Mahlon W., Oak Park, and A. A. Gedde, Chicago, Ill. Tuning control for radio receivers or the like. 2,179,576; Nov. 14.

Kenyon, James M., assignor to Entwisle & Kenyon Limited, Accrington, England. Carpet sweeper. 2,180,060; Nov. 14.

Kietz, Hans, assignor to Atlas Werke Aktiengesellschaft, Bremen, Germany. Depth measuring apparatus. 2,179,509; Nov. 14.

Kimmel, Singleton H., Pittsburgh, Pa., assignor to Koppers Company. Coke-oven operating appliance. 2,179,635; Nov. 14.

Kindelmann, Albert. (See Frappier, L. S., and Kindelmann.)

Kip, Henry E., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fluid moving machine. 2,179,824; Nov. 14.

Kirgan, John. (See Smith, H. A., and Kirgan.)

Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Locomotive boiler supporting arrangement. 2,180,149; Nov. 14.

Kletz, Joseph P., Chicago, Ill. Spark plug. 2,180,242; Nov. 14.

Knapp-Monarch Company. (See Kochner, William B., assignor.)

Knapp-Monarch Company. (See Smith, Howard A., assignor.)

Kniesche, Harry F., Baltimore, Md. Making a bottle sealing cap. 2,180,243; Nov. 14.

Knight, William E., Jr., Howel, Ky. Tobacco cultivating implement. 2,180,150; Nov. 14.

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Food mixer handle construction. 2,179,745; Nov. 14.

Kock, Winston E., assignor to The Baldwin Company, Cincinnati, Ohio. Stabilized oscillation generator. 2,179,791; Nov. 14.

Koehler, Charles H., Oak Park, Ill. Electrical connector. 2,179,636; Nov. 14.

Koeller, Walter P., Chicago, Ill. Cosmetic cabinet. 2,180,151; Nov. 14.

Köhler, Rudolf, Dusseldorf, assignor to Henkel & Cie., G. m. b. H., Dusseldorf-Holthausen, Germany. Adhesive. 2,180,152; Nov. 14.

Kohne, Geo. L., Inc. (See McKeown, Leo L., assignor.)

Kolehmainen, Waino M. (See Myrick, George H., assignor.)

Kolts, Tennies F., assignor, by mesne assignments, to Warren Buckley, Chicago, Ill. Nonrefillable bottle. 2,179,510; Nov. 14.

Kolts, Tennies F., assignor, by mesne assignments, to Warren Buckley, Chicago, Ill. Nonrefillable bottle closure. 2,179,511; Nov. 14.

Koppers Company. (See Berg, R., and Christ, assignors.)

Koppers Company. (See Kimmel, Singleton H., assignor.)

Koppers Company. (See Koppers, Heinrich, assignor.)

Koppers Company. (See Van Ackeren, Paul, assignor.)

Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Gas producer. 2,179,637; Nov. 14.

Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Gas producer. 2,179,638; Nov. 14.

Korte, Helmuth, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Wet treatment of raw bast fibers. 2,180,087; Nov. 14.

Kosterman, Clem E., Racine, Wis. Power operated knife. 2,180,244; Nov. 14.

Kovalovsky, Arthur. (See Kovalovsky, Oscar and Arthur.)

Kovalovsky, Oscar and A., Los Angeles, Calif. Fishing reel. 2,180,321; Nov. 14.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Clutch. 2,180,086; Nov. 14.

Krebser, Adolf, Riehen, near Basel, assignor to the firm of J. R. Geigy A. G., Basel, Switzerland. Substantive polyazo dyestuffs and their manufacture. 2,180,245; Nov. 14.

Krebser, Adolf, Riehen, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Disazo dyestuffs and their manufacture. 2,180,246; Nov. 14.

Kremer, Edward H., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Belt connector. 2,179,697; Nov. 14.

Kudrna, Benedikt, Vienna, Austria, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany. Telephone system. 2,179,723; Nov. 14.

Kuehne, Herman H., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Nut or screw setting attachment for electric tools. 2,179,724; Nov. 14.

Kuehni, Hans P., Schenectady, N. Y., assignor to General Electric Company. Cathode ray oscillograph control. 2,180,153; Nov. 14.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Cellulosic ester composition. 2,180,281; Nov. 14.

La Fonde, A. F., et al. (See Vote, Rex W., assignor.)

Lagrange, Alfred, Woodside, Long Island, N. Y. Cake making device. 2,180,061; Nov. 14.

Lakatos, Emory, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,179,640; Nov. 14.

Lamp, Wilbert H., near Davenport, Iowa. Baling machine. 2,179,937; Nov. 14.

Land, Edwin H., Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Translucent screen. 2,180,113; Nov. 14.

Land, Edwin H., Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Optical system employing polarized light. 2,180,114; Nov. 14.

Lane, James, San Anselmo, Calif. Direction indicator for automobiles. 2,179,639; Nov. 14.

Lange, Heinrich, and O. Horn, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing beta-halogen-butadienes-1,3. 2,180,115; Nov. 14.

Langos, Alfred F., et al. (See Langos, Otto A., assignor.)

Langos, Harold L., et al. (See Langos, Otto A., assignor.)

Langos, Matilda R., et al. (See Langos, Otto A., assignor.)

Langos, Otto A., assignor to A. F. Langos, O. E. Langos, H. L. Langos, and M. R. Langos, partners, doing business as Langson Manufacturing Company, Chicago, Ill. Paper burster toy. 2,179,662; Nov. 14.

Langos, Otto E., et al. (See Langos, Otto A., assignor.)

Langson Manufacturing Company. (See Langos, Otto A., assignor.)

Lappin, Roy C., Randwick, near Sydney, New South Wales, Australia. Indicating device for tail lamps and the like. 2,179,792; Nov. 14.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission control mechanism. 2,180,116; Nov. 14.

Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Elastic top for hosiery. 2,180,247; Nov. 14.

Laska, Leopold, Offenbach-on-the-Main, A. Zitscher, Kronberg-in-Taunus, and R. Heil, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo dyestuffs and fiber dyed therewith. 2,180,297; Nov. 14.

László, George, New York, N. Y. Universal graphic printing press. 2,179,746; Nov. 14.

Latham, Arthur, and A. Swan, Bernie, Mo. Coupling unit. 2,179,854; Nov. 14.

Latimer, Charles A., Toledo, Ohio. Automatic pressure release ratchet wrench. 2,179,855; Nov. 14.

Lawson, John F., Nutley, N. J. Automatic damper. 2,179,940; Nov. 14.

Layfield, Jester L., Powell, Tex. Artificial fish lure. 2,179,641; Nov. 14.

Layne, Curtis, Watsonville, Calif. Pocket antiseptic dispenser. 2,180,248; Nov. 14.

Lee, John H., Jr., Oak Park, and R. L. Willis, Chicago, Ill., assignors to Metal Specialties Manufacturing Co. Roller skate. 2,180,062; Nov. 14.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Internal combustion engine. 2,179,938; Nov. 14.

Leibow, Saul, assignor of forty per cent to I. Riffkin, Providence, R. I. Broiler utensil. 2,179,939; Nov. 14.

Leighton, John W., Port Huron, Mich. Threaded bearing and making the same. 2,179,856; Nov. 14.

Leighton, John W., Port Huron, Mich. Making bearings. 2,180,282; Nov. 14.

Leighton, John W., Port Huron, Mich. Making bearings. 2,180,283; Nov. 14.

Lempert, Jack M., Rockville Centre, N. Y. Dentist's saliva ejector. 2,180,249; Nov. 14.

Lenz, Walter, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Geared driving arrangement. 2,180,154; Nov. 14.

Leonard, Veader. (See Wesson, Laurence G., assignor.)

Leopold, Otto, Berlin-Neukolln, Germany, assignor to General Electric Company. Electric contact. 2,180,155; Nov. 14.

Lesko, James F., Chicago, assignor of forty-five one-hundredths to G. J. Wolf, Cicero, Ill. Scissors holding device. 2,179,725; Nov. 14.

Levy, Oscar C., Chicago, Ill., and A. J. Johnston, San Mateo, Calif., assignors to American Totalisator Company, Inc., Baltimore, Md. Totalizing system. 2,179,698; Nov. 14.

Lewis, Fred O., Dayton, Ohio. Wire reel support, rack, or stand. 2,179,825; Nov. 14.

Lewis, Raymond, Los Angeles, and F. M. Bodenhamer, Oakland, Calif. Ejecting truck. 2,179,726; Nov. 14.

Lewison, Lawrence M., Sioux Rapids, Iowa. Ridge leveling attachment for tractor cultivators. 2,179,793; Nov. 14.

Light, Philip H., Schenectady, N. Y., assignor to General Electric Company. Protection of alternating current electric systems. 2,180,156; Nov. 14.

Lincoln, Bert H., and W. L. Steiner, Ponca City, and A. Henriksen, deceased; E. M. Henriksen, administratrix, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating oil. 2,180,008; Nov. 14.

Lincoln Engineering Company. (See Fletcher, Pierce, assignor.)

Lindblad, Axel R., assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Apparatus for determining gravity. 2,179,892; Nov. 14.

Linde Air Products Company, The. (See Mesinger, William F., assignor.)

Lindgren, Hans O., Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifuge for separating substances of different specific gravities. 2,179,941; Nov. 14.

Line Material Company. (See Schultz, William O., assignor.)

Link, Edwin A., Jr., Binghamton, N. Y. Recorder. 2,179,663; Nov. 14.

Link-Belt Company. (See Maurer, Albrecht, assignor.)

Lipsis, Arthur H., assignor to Sears, Roebuck and Co., Chicago, Ill. Locking device. 2,180,117; Nov. 14.

Liquid Carbonic Corporation, The. (See Kanfor, James, assignor.)

Little, Arthur D., Incorporated. (See Harford, Charles G., assignor.)

Loeffelholz Company. (See Bernhardt, Paul, assignor.)

Loftus, John T., La Crosse, Wis. Method and apparatus for straightening rails. 2,180,157; Nov. 14.

Loibl, Robert B., Jr., Los Angeles, Calif. Insecticide dispenser. 2,180,199; Nov. 14.

Loney, Hugh W., assignor to C. G. Conn Ltd., Elkhart, Ind. Woodwind instrument. 2,180,118; Nov. 14.

Longfield-Smith, Longfield, Babson Park, assignor to Mrs. B. C. Skinner, Dunedin, Fla. Coloring fruit. 2,179,762; Nov. 14.

Lord, Sam. (See Hindle, T., and Lord.)

Lowenthal, Fred, Brooklyn, N. Y. Combined picture and calendar. 2,179,857; Nov. 14.

Loy, James M., New York, N. Y., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Automatic reverse current switch. 2,179,794; Nov. 14.

Lubri-Zol Development Corporation. (See Lincoln, B. H., Steiner, and Henriksen, assignors.)

Lucker, Millard B., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Lifting jack. 2,179,577; Nov. 14.

Lucker, Millard B., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Brake control mechanism. 2,180,307; Nov. 14.

Lufkin Foundry & Machine Company. (See Trout, W. C., (and Fincher, assignor).)

Lund, Henry H. B., Welwyn, Garden City, England. Apparatus for the germination of seeds and the growth of seedlings. 2,179,642; Nov. 14.

Lundgren, William E., assignor to Draper Corporation, Hopedale, Mass. Transferrer. 2,180,088; Nov. 14.

Lyne, Robert A., Pittsburgh, Pa. Golf shoe attachment. 2,179,942; Nov. 14.

Lynn, Harry E. (See Collett, Charles H., assignor.)

Lyon, William E., San Diego, Calif. Portable air conditioning means for brooders and the like. 2,179,893; Nov. 14.

Lysholm, Alf, assignor to Aktiebolaget Milo, Stockholm, Sweden. Making turbines. 2,179,556; Nov. 14.

MacBride, Andrew S., Victoria, British Columbia, Canada. Synthetic skating surface. 2,179,664; Nov. 14.

Macomber, Clarence H., administrator. (See Van Duzee, Edward M.)

Magill-Weinsheimer Company. (See Smith, Jack F., assignor.)

Malczewski, Jeremi, Boulogne-sur-Seine, France, assignor to Société Bronzavia, Courbevoie (Seine), France. Checking flame projection from incandescent gas discharge conduits. 2,179,894; Nov. 14.

Malhiot, Clarence J. (See Milmoe, M. J., and Malhiot.)

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Precipitation of cellulose triacetate. 2,180,009; Nov. 14.

Malmsten, Philip C., assignor to Diamond Iron Works, Incorporated, Minneapolis, Minn. Conveying aggregates in portable rock crusher machines. 2,179,747; Nov. 14.

Mansfield, William. (See Holland, J. E. D., and Mansfield.)

Marathon Paper Mills Company. (See Ohlhaver, Homer W., assignor.)

Marion Steam Shovel Company, The. (See Stock, Harry F., assignor.)

Marshall, Harry B. (See Britton, E. C., Marshall, and Davis.)

Martin, Frederick C., assignor to Eastman Kodak Company, Rochester, N. Y. Film holder. 2,180,010; Nov. 14.

Martin, Harvey N., Long Beach, Calif. Tail wheel assembly. 2,179,877; Nov. 14.

Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner construction. 2,179,665; Nov. 14.

Marton, Moses, New York, N. Y. Fountain comb. 2,180,308; Nov. 14.

Mason, John C., Long Beach, Calif. Hydraulic drilling jack. 2,179,557; Nov. 14.

Master Venetian Blind Hardware Corp. (See Nisenson, Julius, assignor.)

Mastney, Edward J., Berwyn, assignor to Oak Manufacturing Company, Chicago, Ill. Mechanical preselector. 2,179,748; Nov. 14.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of ammonium thiocyanate. 2,179,943; Nov. 14.

Mattocks, Arthur O., assignor to Short Brothers (Rochester & Bedford) Limited, Rochester, England. Hull of flying or motor boats. 2,180,250; Nov. 14.

Maurer, Albrecht, Bad Homburg von der Hohe, Germany, assignor to Link-Belt Company, Chicago, Ill. Chain. 2,179,944; Nov. 14.

Maurer, Edwin R., assignor to Chrysler Corporation, Detroit, Mich. Clutch. 2,179,945; Nov. 14.

Maxwell, James F., Chickasaw, Ala. Fishing rod. 2,180,323; Nov. 14.

May, David T., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective device. 2,179,826; Nov. 14.

Maytag Company, The. (See Bones, Walter, assignor.)

McBirney, Nettie C., Tulsa, Okla. Piepan. 2,179,512; Nov. 14.

McCall, Frederick W., and E. M. Sheets, Miami, Fla. Fracture setting appliance. 2,180,251; Nov. 14.

McCluskey, Francis J., and C. A. Fox, assignors to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,179,749; Nov. 14.

McCoy, Clifford T., Bethany, and D. M. Hammett, Tulsa, Okla. Oil well pump. 2,180,158; Nov. 14.

McCracken, Mark M., Portland, Oreg. Double-acting air valve. 2,179,750; Nov. 14.

McCurtain, Frank, assignor to Specialty Engineering Company, Los Angeles, Calif. Transformer. 2,179,795; Nov. 14.

McDermott, George R., assignor to Surface Combustion Corporation, Toledo, Ohio. Furnace. 2,180,089; Nov. 14.

McFadden, Ross M., Los Angeles, Calif. Hair curler. 2,179,751; Nov. 14.

McFadden, Ross M., Los Angeles, Calif. Hair curler. 2,179,752; Nov. 14.

McGraw Electric Company. (See Geier, James, assignor.)

McGraw Electric Company. (See Graham, Maurice H., assignor.)

McGregor, Thomas A. (See Saunders, Walter S., and McGregor.)

McKay, William G. A., St. Vital, Manitoba, Canada, assignor to Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Writing pen. 2,179,727; Nov. 14.

McKee, Arthur G., Cleveland, Ohio. Checkerwork structure. 2,179,666; Nov. 14.

McKeown, Leo L., assignor to Geo. L. Kohne, Inc., Toledo, Ohio. Picture frame. 2,179,699; Nov. 14.

McKinley, Aubrey O., Barnett, Mo. Syringe. 2,180,063; Nov. 14.

McLaughlin & Wallenstein. (See Feigel, George R., assignor.)

McLaughlin, Wiley E., Tulsa, Okla. Wrench. 2,179,558; Nov. 14.

McLeod, John H., and F. M. E. Holmes, assignors to Eastman Kodak Company, Rochester, N. Y. Sound recording. 2,180,011; Nov. 14.

McManis, John V., Kirksville, Mo. Treating table. 2,179,595; Nov. 14.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,180,012; Nov. 14.

Mebold, Frederick W., assignor to James R. Kearney Corporation, St. Louis, Mo. Making electrical connectors. 2,179,753; Nov. 14.

Meeker, David O. (See Henderson, E. E., and Meeker.)

Meeks, Andrew J., Nicholls, Ga. Attachment for cultivators. 2,179,596; Nov. 14.

Meller, William, Budapest, Hungary. Change-speed gear. 2,179,827; Nov. 14.

Mellor Bromley & Co. Limited. (See Bromley, T. C., and Shortland, assignors.)

Melton, Ode E., assignor to said O. E. Melton, as trustee for himself and P. L. Pilkenton, Burkburnett, Tex. Well washing device. 2,180,309; Nov. 14.

Mervis, Lon. (See Cullin, Jasper F., assignor.)

Mesinger, William F., Mount Vernon, assignor to The Linde Air Products Company, New York, N. Y. Method and apparatus for dispensing gas material. 2,180,090; Nov. 14.

Metal Specialties Manufacturing Co. (See Lee, J. H., Jr., and Willis, assignors.)

Meyer, Adolph F., Minneapolis, Minn. Compound compensated governor. 2,179,559; Nov. 14.

Meyer, George L. N., Milwaukee, Wis. Conveyer. 2,180,284; Nov. 14.

Michaelis, Heinrich, Jr., Berlin-Waldmannslust, Germany, assignor to R. M. Ritter, Frankford, Philadelphia, Pa. Treatment of chlorinated rubber and products thereof. 2,179,980; Nov. 14.

Michaelis, Lothar, Washington, D. C., assignor to General Electric Company. Electromagnetic device. 2,180,159; Nov. 14.

Micro-Westco, Inc. (See Petskeyes, Charles H., assignor.)

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. 2,180,013; Nov. 14.

Milburn, Joseph S., Columbia, Mo. Garment hanger. 2,180,252; Nov. 14.

Miller, Arthur, Chelsea, assignor to Sanborn Company, Cambridge, Mass. Eliminating distortion. 2,180,160; Nov. 14.

Miller, Herchael W., Davenport, Iowa. Elevatable stove oven. 2,180,161; Nov. 14.

Miller, Leo B., Chicago, Ill. Rake cleaner. 2,179,946; Nov. 14.

Miller, Samuel, Brooklyn, N. Y. Lock. 2,179,947; Nov. 14.

Miller, Sidney E., Minneapolis, Minn. assignor to General Mills, Inc. Vitamin D concentration. 2,179,560; Nov. 14.

Miller, Wayland R., Nashotah, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration system. 2,179,700; Nov. 14.

Milmoe, Michael J., Glen Ellyn, and C. J. Malhiot, Oak Park, assignors to F. B. Redington Co., Chicago, Ill. Dating or numbering mechanism. 2,180,162; Nov. 14.

Milmoe, Michael J., Glen Ellyn, and C. J. Malhiot, Oak Park, assignors to F. B. Redington Co., Chicago, Ill. Butter feeder. 2,180,163; Nov. 14.

Milos, Louis W., Clifton, N. J. Container. 2,179,667; Nov. 14.

Minneapolis-Honeywell Regulator Company. (See Miller, Wayland R., assignor.)

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Regulator circuit. 2,180,164; Nov. 14.

Minor, Henry R., assignor to Industrial Process Corp., Dayton, Ohio. Apparatus for molding sponge rubber. 2,180,304; Nov. 14.

Minster Machine Company, The. (See Wissman, Reuben E., assignor.)

Mitchell, Courtney N. (See Denneen, F. S., Dunn, and Mitchell.)

Mizer, Joseph J., assignor to Walker Manufacturing Company, Racine, Wis. Lifting mechanism. 2,179,948; Nov. 14.

Modern Food Process Company. (See Vogt, Charles H., assignor.)

Mojonnier Bros. Co. (See Mojonnier, Harry G., assignor.)

Mojonnier, Harry G., Oak Park, Ill., assignor to Mojonnier Bros. Co. Liquid treating plant. 2,179,949; Nov. 14.

Mole-Richardson Co. (See Coates, Fielding C., assignor.)

Molins Machine Company Limited. (See Chalmers, John W., assignor.)

Monighan, John E., Allen County, Ind. Fishing pole appliance. 2,179,578; Nov. 14.

Monsanto Chemical Company. (See Fox, K. R., Hyry, and Hatfield, assignors.)

Monsanto Chemical Company. (See Harford, Charles G., assignor.)

Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)

Montgomery, Robert J. (See Jan Voogd, Herman G., assignor.)

Moore, Eugene B., Swedesboro, N. J. Agricultural machine. 2,180,253; Nov. 14.

Mooter, Joseph A., and F. Hamlin, assignors to The Wabash Fibre Box Company, Terre Haute, Ind. Carton. 2,179,981; Nov. 14.

Morgan, John D., South Orange, assignor to Power Patents Company, Hillside, N. J. Zirconia zircon silicon refractory. 2,179,982; Nov. 14.

Morgero, Vito, Providence, R. I. Stucco cement composition. 2,179,754; Nov. 14.

Morral, Samuel E., and W. W. Morral, Ohio. Corn husking machine. 2,179,579; Nov. 14.

Morral, William W. (See Morral, Samuel E. and W. W.)

Morris, Albert W., Sprinfield, Mass., assignor to Morris Engineering Corporation. Metal casting. 2,179,513; Nov. 14.

Morris Engineering Corporation. (See Morris, Albert W., assignor.)

Morris, Paul, Chattanooga, Tenn. Surveying instrument. 2,179,514; Nov. 14.

Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Draft hood for water heaters or the like. 2,180,212; Nov. 14.

Morse, Richard S., assignor to Eastman Kodak Company, Rochester, N. Y. Sound motion picture reproducing apparatus. 2,180,014; Nov. 14.

Morterud, Einar, Olso, Norway. Circulation system for wood pulp digesters. 2,179,796; Nov. 14.

Most, Lucifer J., Hudson County, N. J. Mechanical pencil. 2,179,950; Nov. 14.

Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument. 2,180,015; Nov. 14.

Moulton, Lloyd W. (See Davis, G. L., and Moulton.)

Mueller-Cunradi, Martin, M. Otto, W. Daniel, and R. Werner, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Composition of matter. 2,180,081; Nov. 14.

Mueller-Cunradi, Martin, and W. Daniel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization products from butadiene or its substitution products and solid polymerized isobutylene. 2,180,082; Nov. 14.

Mueller-Cunradi, Martin, and W. Daniel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Rubberlike polymerization products from vinyl carbazole and solid polymerized isobutylene. 2,180,083; Nov. 14.

Mues, Otto. (See Holler, H., and Mues.)

Müller, Werner, Cologne-on-the-Rhine, and C. Berres, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the methine series. 2,179,895; Nov. 14.

Munsingwear, Inc. (See Kapinas, Ruth M., assignor.)

Murphy, Daniel, New Castle, Pa. Rotary pump. 2,179,858; Nov. 14.

Myers, William E. (See Conner, E. A., and Myers.)

Mynders, Fritz. (See Rom, Palmer W., assignor.)

Myrick, George H., Rochester, Minn., assignor to Waino M. Kolehmainen, Evanston, Ill. Silencer for flushing tanks. 2,180,310; Nov. 14.

N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)

Nagel, August, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Height equalizing arrangement for photographic cameras. 2,180,016; Nov. 14.

Nassau Smelting and Refining Company. (See Bell, C. H., Deitz, and Stein, assignors.)

Nassau Smelting & Refining Company. (See Deitz, Louis S., Jr., assignor.)

National Blank Book Company. (See Schade, John, assignor.)

National Oil Products Company. (See Printon, Thomas A., assignor.)

National Pneumatic Company. (See Conklin, Roscoe D., assignor.)

National Supply Company, The. (See Spalding, John D., assignor.)

Nelson, Russell B., Onondaga, assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Double window construction. 2,179,668; Nov. 14.

Nemeth, John L., South Bend, Ind. Socket switch. 2,179,797; Nov. 14.

Nesbitt, Orville W., assignor of one-third to Z. J. Sermopoulas, Chicago, Ill. Tire chain. 2,179,983; Nov. 14.

Neville, Joseph F., Evanston, Wyo. Tire tool. 2,179,896; Nov. 14.

Newman, Isidor, New York, N. Y. Metal scoring machinery. 2,179,755; Nov. 14.

Nietiedt, August, Magdeburg, Germany. Pickling meat. 2,180,165; Nov. 14.

Nineteen Hundred Corporation. (See Davis, G. L., and Moulton, assignors.)

Nisenson, Julius, Brooklyn, assignor to Master Venetian Blind Hardware Corp., New York, N. Y. Tilting mechanism for Venetian blinds. 2,180,311; Nov. 14.
Nissen, Harry C. (See Caldwell, F. W., and Nissen.)
North American Rayon Corporation. (See Stoeckly, J. J., and Schmidt, assignors.)
Northern Trust Company, The, executor. (See Ernst, M. and Holthouse.)
Norton, Homer L., Shepherd, Mich. Antisideslipping attachment for motor vehicles. 2,179,515; Nov. 14.
Norton, Leland D., Fairfield, and J. H. Horwath, South Norwalk, Conn., assignors to Dictaphone Corporation, New York, N. Y. Sound record tablet. 2,180,091; Nov. 14.
Nuchterlein, Karl, assignor to Ihagee Kamerawerk Steenbergen & Company, Dresden, Germany. Camera. 2,180,064; Nov. 14.
Nyberg, Herman. (See Gurton, W. S., Plint, and Nyberg.)
Oak Manufacturing Company. (See Mastney, Edward J., assignor.)
O'Brien, Terence H., assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England. Grooved pulley for rope drives. 2,180,065; Nov. 14.
Odenbreit, Frank L. (See Hughes, J. W., Hopkins, and Odenbreit.)
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Railway brake. 2,180,092; Nov. 14.
Oelkers, Max, New Braunfels, Tex. Corn shucker. 2,179,897; Nov. 14.
Oesterlein, William J., assignor to Harnischfeger Corporation, Milwaukee, Wis. Dynamo-electric machinery. 2,179,561; Nov. 14.
O'Farrell, Matthew, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rotation release for rock drills. 2,179,643; Nov. 14.
Ohio Crankshaft Company, The. (See Denneen, F. S., Dunn, and Mitchell, assignors.)
Ohlhaver, Homer W., River Forest, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis. Packaging bulk frozen comestibles and dispensing same. 2,180,298; Nov. 14.
Oil Devices. (See Breese, James L., assignor.)
Olsen, Anton M. (See Engbrecht, G. C., and Olsen, Arthur J. and A. M.)
Olsen, Arthur J. (See Engbrecht, G. C., and Olsen, Arthur J. and A. M.)
Ort, Carl, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Camera with range finder. 2,180,017; Nov. 14.
Osterloh, Robert H., Wilmington, Del., and W. L. Scarborough, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adsorber apparatus. 2,180,119; Nov. 14.
Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Removing gum-forming and color-imparting bodies from cracked unsaturated hydrocarbon oils. 2,180,324; Nov. 14.
Otto, Michael. (See Mueller-Cunradi, M., Otto, Daniel, and Werner.)
Packard Motor Car Company. (See Weiss, Erwin A., assignor.)
Page, Everett W., River Forest, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray inspection apparatus. 2,179,859; Nov. 14.
Palmer, Charles R., Glen Acres, assignor to The Palmer Company, Norwood, Ohio. Thermometer. 2,180,285; Nov. 14.
Palmer Company, The. (See Palmer, Charles R., assignor.)
Palmer, Robert T. (See Anderson, S. M., and Palmer.)
Palsson, Magnus P., Seattle, Wash. Harpoon spoon. 2,179,597; Nov. 14.
Palsson, Magnus P., Seattle, Wash. Harpoon spoon and plug. 2,179,598; Nov. 14.
Panzegran, Norman O., and S. T. Hoener, Chicago, Ill., assignors to International Harvester Company. Track roller. 2,179,860; Nov. 14.
Park, Arthur D., assignor to Armstrong Cork Company, Lancaster, Pa. Display device. 2,179,828; Nov. 14.
Parker, Charles O. (See Garrett, Alva H., assignor.)
Parkin, Winfred T., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Vanity case. 2,179,669; Nov. 14.
Parr, Harold, et al. (See Smith, John N., assignor.)
Pass, Sam. (See Trubitz, Philip, assignor.)
Patent and Licensing Corporation, The. (See Groskopf, Edwin O., assignor.)
Patent Button Company, The. (See Purinton, Forrest G., assignor.)
Patrick, William E., Silver Spring, Md. Rope clamp. 2,179,516; Nov. 14.
Peake, Frederick W., Kansas City, Mo. Illuminating tooth brush cabinet. 2,180,213; Nov. 14.
Pelosi, Nicholas, Newark, N. J., assignor to American Can Company, New York, N. Y. Control mechanism. 2,179,517; Nov. 14.
Pennell, Philip H., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Coating webs. 2,179,562; Nov. 14.
Pennsylvania Railroad Company, The. (See Hankins, Frederick W., assignor.)
Pennsylvania Railroad Company, The. (See Hoke, Harry A., assignor.)
Pennsylvania Railroad Company, The. (See Loy, James M., assignor.)
Peremi, Edmund, and L. Toth, Manhasset, N. Y. Window lock. 2,179,728; Nov. 14.
Perkins, Melvin A., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of anthraquinone compounds. 2,180,299; Nov. 14.
Permo Products Corporation. (See Engbrecht, G. C., and Olsen, Arthur J. and A. M., assignors.)
Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Reflecting device. 2,180,093; Nov. 14.
Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Reflecting sign construction. 2,180,166; Nov. 14.
Persons, Lawrence M., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo. Diaphragm-actuated transmission means. 2,180,018; Nov. 14.
Persons-Majestic Manufacturing Company. (See Persons, Charles A., assignor.)
Petersen, George, Davenport, Iowa, and H. Petersen, Chicago, Ill. Gas stove burner. 2,179,951; Nov. 14.
Petersen, Harry. (See Petersen, George and H.)
Peterson, Carl D., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Change-speed transmission gearing. 2,180,019; Nov. 14.
Petskeyes, Charles H., Davenport, assignor to Micro-Westco, Inc., Bettendorf, Iowa. Loaf transfer. 2,179,798; Nov. 14.
Pfeiffer, Henry A., Fredericksburg, Tex. Beverage cooling cabinet. 2,179,898; Nov. 14.
Pfeiffer, Paul, Hamburg-Altona, Germany. Device for governing the fuel pump of a Diesel ram. 2,180,254; Nov. 14.
Pfundstein, Wayne, and O. Wilson, Chicago, Ill. Carton. 2,179,830; Nov. 14.
Philadelphia Quartz Company. (See Wegst, W. F., and Wills, assignors.)
Phillips, Arthur C., assignor to Kapella Limited, Leicester, England. Optical projection apparatus. 2,179,799; Nov. 14.
Phillips Petroleum Company. (See Crites, Wilbur J., assignor.)
Pier, Mathias, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of liquid hydrocarbons. 2,179,829; Nov. 14.
Pignolet, Louis M., Chatham, N. J. Electrical measuring instrument. 2,179,952; Nov. 14.
Pilcher, William S. (See Carr, D. M., and Pilcher.)
Pilkington Brothers Limited. (See Griffin, James H., assignor.)
Pilkenton, Fonzo L. (See Melton, Ode E.)
Pitman, Earle C., Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cigarette paper. 2,179,953; Nov. 14.
Plint, Joseph. (See Gurton, W. S., Plint, and Nyberg.)
Polaroid Corporation. (See Land, Edwin H., assignor.)
Pollak, Arthur. (See Frankel, E. M., and Pollak.)
Polis, Max, assignor to S. G. Polis, Brooklyn, N. Y. Electric attachment plug. 2,179,861; Nov. 14.
Polis, Sylvia G. (See Polis, Max, assignor.)
Poor & Company. (See Stolpe, Frederick J., assignor.)
Popper, Isaac C., New York, N. Y., assignor, by mesne assignments, to Automatic Turbine Drive Company, Inc., Providence, R. I. Hydraulic turbine clutch and transmission. 2,179,518; Nov. 14.
Popper, Isaac C., New York, N. Y., assignor, by mesne assignments, to Automatic Turbine Drive Company, Inc., Providence, R. I. Hydraulic coupling. 2,179,519; Nov. 14.
Popper, Isaac C., New York, N. Y., assignor to Automatic Turbine Drive Company, Inc., Providence, R. I. Automatic turbine drive. 2,179,520; Nov. 14.
Porter-Cable Machine Company Inc., The. (See Emmons, Arthur N., assignor.)
Porter, Jesse H., Lonaconing, Md. Three-way dump truck. 2,180,066; Nov. 14.
Power Patents Company. (See Morgan, John D., assignor.)
Pressed Steel Car Company. (See Abkowitz, Harold E., assignor.)
Previn, Arthur G., New York, N. Y., assignor to Electreporter, Inc. Transcribing apparatus. 2,180,255; Nov. 14.
Printon, Thomas A., South Orange, assignor to National Oil Products Company, Harrison, N. J. Textile treating. 2,180,256; Nov. 14.
Productive Inventions, Inc. (See Bidwell, Earl E., assignor.)
Pruzan, Barney, New York, N. Y. Separable fastener. 2,180,167; Nov. 14.
Puffer, Samuel R., Saugus, Mass., assignor to General Electric Company. Gas turbine driven generator arrangement. 2,180,168; Nov. 14.
Pure Oil Company, The. (See Osterstrom, Rudolph C., assignor.)
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Tack button. 2,179,521; Nov. 14.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Tack button. 2,179,522; Nov. 14.
Pyridium Corporation. (See Edelman, M. D., and Tisza, assignors.)
R. K. O. Studios, Inc. (See Eglington, W., and Cunningham, assignors.)

Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Hathaway, Jarrett L., assignor.)
Radio Corporation of America. (See Ranger, Richard H., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Sturley, Kenneth R., assignor.)
Radio Corporation of America. (See Young, Lloyd L., assignor.)
Railroad Accessories Corporation. (See Deems, Edward M., assignor.)
Railroad Accessories Corporation. (See Hull, Samuel P., assignor.)
Rallis, Constantine M., et al. (See Spartalis, Michael P., assignor.)
Ranco Incorporated. (See Raney, Estel C., assignor.)
Ranco Incorporated. (See Raney, E. D., and Schmieding, assignors.)
Raney, Eldon D., and W. H. F. Schmieding, assignors to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,180,067; Nov. 14.
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Refrigerator control switch. 2,179,599; Nov. 14.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Photocell amplifier. 2,179,954; Nov. 14.
Rapp, Charles, Brooklyn, N. Y. Universal head. 2,180,214; Nov. 14.
Rawnsley, William, Avalon, N. J. Trailer hitch. 2,179,955; Nov. 14.
Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)
Reconstruction Finance Corporation. (See Wilber, Harold E., assignor.)
Red Head Brand Company. (See Ford, William H., assignor.)
Redington, F. B., Co. (See Milmoe, M. J., and Malhiot, assignors.)
Renholdt, John E., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Sound box for dictating machines. 2,180,094; Nov. 14.
Renshaw, Alfred P. B., Kingston Hill, assignor, by mesne assignments, to Automatic Telephone & Electric Company Limited, London, England. Control system. 2,180,300; Nov. 14.
Reyburn, John R., Fairfield, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y. Calk for tire chains. 2,180,097; Nov. 14.
Reeves Pulley Company. (See Clay, Harry C., assignor.)
Rhea, James W. (See Figg, L. J. Jr., and Rhea.)
Rice, John W., Amarillo, Tex., assignor of one-half to W. W. Gentry, Chickasha, Okla. Vehicle body. 2,179,600; Nov. 14.
Richards, Arthur C., assignor to Aero Piston Ring Company Limited, Leeds, England. Piston ring. 2,179,670; Nov. 14.
Richards, Grover E., Youngstown, Ohio. Golf stance indicator. 2,180,170; Nov. 14.
Richards-Wilcox Manufacturing Company. (See Jones, Malcolm L., assignor.)
Rifkin, Ira. (See Leibow, Saul, assignor.)
Rippl, Charles H., assignor to The Clark Controller Company, Cleveland, Ohio. Timing control for pneumatically operated switches. 2,180,171; Nov. 14.
Ritter, Richard M. (See Michaelis, Heinrich, Jr., assignor.)
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Automatic selectivity control circuits. 2,179,956; Nov. 14.
Robie, Norman P. (See Benner, R. C. and Robie.)
Roby, Frank H., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Welder control system. 2,179,957; Nov. 14.
Roemer, Ralph R., assignor, by mesne assignments, to Harry R. Canfield, Cleveland, Ohio. Road guard. 2,180,286; Nov. 14.
Rogers, Clifford R. (See Baker, D. B., and Rogers.)
Rogers, Clifford R. (See Baker, D. B., Rogers, and Bechman.)
Rogers, Gerald S., assignor, by mesne assignments, to Christian Brynoldt, Pittsburgh, Pa. Dispensing apparatus. 2,179,729; Nov. 14.
Röhm, Otto, Darmstadt, Germany. Preparing hides. 2,179,899; Nov. 14.
Roko Corporation. (See Coberly, Clarence J., assignor.)
Rollins, Henry H., Phoenix, Ariz. Hitch device. 2,180,257; Nov. 14.
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Reflecting brick and walls and buildings utilizing the same. 2,179,862; Nov 14.
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Light directing brick and walls and buildings utilizing the same. 2,179,863; Nov. 14.
Rom, Palmer W., Cudahy, assignor of one-half to F. Mynders, Milwaukee, Wis. Ironing cord support. 2,179,701; Nov. 14.
Roswell Welding Company. (See Jones, Johnie J., assignor.)
Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sprinkler system. 2,180,258; Nov. 14.
Roys, Claude A., Wellesley Hills, Mass. Apparatus for baking bread. 2,179,671; Nov. 14.
Roys, Claude A., Wellesley Hills, Mass. Making loaves of bread. 2,179,672; Nov. 14.
Rubatex Products, Inc. (See Cooper, Lester S., assignor.)
Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine & Foundry Company. Tobacco handling and preparing. 2,179,644; Nov. 14.
Ruthman, Edward J., Cincinnati, Ohio. Pump. 2,179,730; Nov. 14.
Ryan, William, New York, N. Y. Electric power indicator. 2,180,169; Nov. 14.
Sächsische Textilmaschinen-fabrik vorm. Rich. Hartmann Aktiengesellschaft. (See Schmitt, Karl J., assignor.)
Safety Car Heating & Lighting Company, The. (See Godsey, Frank W., Jr., assignor.)
Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)
Safety Car Heating & Lighting Company, The. (See Von Ohlsen, Louis H., assignor.)
Saltzer, Louis, Westpoint, Calif. Drill bit and shank. 2,180,120; Nov. 14.
Samerdyke, Fred J., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Winding reel. 2,179,523; Nov. 14.
Samson-United Corporation. (See Keene, Alvin D., assignor.)
Sanborn Company. (See Miller, Arthur, assignor.)
Santarelli, Vincent, and J. Giacobbe, Detroit, Mich. Duster. 2,179,580; Nov. 14.
Sargent, Richard B., Philadelphia, assignor to The Hale Fire Pump Co., Inc., Conshohocken, Pa. Suction mechanism. 2,180,259; Nov. 14.
Sassano, Nicholas, Mount Vernon, N. Y. Adjustable margin float. 2,179,563; Nov. 14.
Sauer, George. (See Hacklander, H., and Sauer.)
Saunders, Laurence P., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Radiator header. 2,179,702; Nov. 14.
Saunders, Laurence P., and W. O. Emmons, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Header and manifold. 2,179,703; Nov. 14.
Saunders, Walter S., and T. A. McGregor, assignors to American Forging & Socket Company, Pontiac, Mich. Control handle. 2,180,215; Nov. 14.
Sayles Finishing Plants, Inc. (See Huey, Harold I., assignor.)
Saylor, Howard L., assignor to Homogenizer Corporation, Ltd., Los Angeles, Calif. Centrifugal machine for homogenizing. 2,180,301; Nov. 14.
Saylor, John S., assignor to Container Corporation of America, Chicago, Ill., Box. 2,179,731; Nov. 14.
Scanlon, James J., Berkeley, Calif. Channel cutter. 2,179,732; Nov. 14.
Scarborough, William L. (See Osterloh, R. H., and Scarborough.)
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf visible index binder. 2,179,756; Nov. 14.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Flyleaf construction for ring binders. 2,179,757; Nov. 14.
Schäfer, Josef, Riehen, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Water soluble condensation products containing phosphorus and their manufacture. 2,180,260; Nov. 14.
Schering Corporation. (See Strassberger, L., and Jacobi, assignors.)
Schjolin, Hans O., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Door and brake interlock. 2,179,704; Nov. 14.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., Palo Alto, assignor to Schlage Lock Company, San Francisco, Calif. Door latch construction. 2,179,958; Nov. 14.
Schlueter, Arthur J., Watertown, Wis. Fish scaler. 2,179,758; Nov. 14.
Schlumberger Well Surveying Corporation. (See Jakosky, John J., assignor.)
Schmidt, Kurt. (See Stoeckly, J. J., and Schmidt.)
Schmieding, Warren H. F. (See Raney, E. D., and Schmieding.)
Schmitt, Karl J., assignor to Sächsische Textilmaschinenfabrik vorm. Rich. Hartmann Aktiengesellschaft, Chemnitz, Germany. Apparatus for producing from endless fibers a card sliver suitable for drawing. 2,180,172; Nov. 14.
Schneider & Cie. (See Fleux, Jean, assignor.)
Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn. Rubber mill or the like. 2,179,961; Nov. 14.
Schoeninger, Adolf O., Irvington, N. J., assignor to Forstner Chain Corporation. Key ring construction. 2,179,524; Nov. 14.
Schoenemann, Karl. (See Brill, R., and Schoenemann.)
Schott, Earl S., Cincinnati, Ohio. Electrical outlet and plug. 2,180,020; Nov. 14.

Schrader, Charles C. (See Claxton, E., Schrader, and Swarr.)
Schrem, William. (See Gallagher, Clarence D., assignor.)
Schroedter, Rolf, Mehlem-Rhine, Germany, assignor to L. Thirty, Huy, Belgium. Elastic joint or support. 2,179,959; Nov. 14.
Schuette, Hermann, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing condensation products having tanning action. 2,179,800; Nov. 14.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse. 2,179,759; Nov. 14.
Schwarzkopf, Paul, Reutte, Austria. Agglomerated material in particular for electrical purposes and shaped bodies made therefrom. 2,179,960; Nov. 14.
Scoffone, John, New York, N. Y. Portable double drive winding machine. 2,179,760; Nov. 14.
Scott, Charles L., assignor to Allied Ironfounders Limited, London, England. Domestic cooking apparatus. 2,180,068; Nov. 14.
Scott, Lawton W. et al. (See Dennison, Orvie G., assignor.)
Scott, William B., Cassoday, Kans. Electric generating system for aircraft and domestic service. 2,179,962; Nov. 14.
Scott, William E., assignor to Bagpak, Inc., New York, N. Y. Bag. 2,179,864; Nov. 14.
Sears, Roebuck and Co. (See Lipsis, Arthur H., assignor.)
Sedgwick, Kenneth G., Cavour, Wis., dedicated to the free use of the People of the United States of America. Hose washing machine. 2,179,831; Nov. 14.
Seeger, Edwin W. (See Baer, W. O., and Seeger.)
Seghers, Emiel P., Chicago, Ill. Decorative light for Christmas trees and the like. 2,180,121; Nov. 14.
Senghusch Self-Closing Inkstand Company. (See McKay, William G. A., assignor.)
Sermopoulas, Zaffereos J. (See Nesbitt, Orville W., assignor.)
Servel, Inc. (See Ternstrom, Torolf, assignor.)
Servel, Inc. (See Ullstrand, Hugo M., assignor.)
Severy, Victor H., Glendale, Calif. Musical instrument. 2,180,122; Nov. 14.
Shangle, Amos H. (See Hampton, L. N., and Shangle.)
Share, Barnett, Jamaica Estates, N. Y. Float valve for hydraulic pumping systems. 2,180,173; Nov. 14.
Sharples Solvents Corporation, The. (See Thomas, Charles A., assignor.)
Sheane, Francis L., Bridgeport, assignor to Shelton Tack Company, Shelton, Conn. Rivet setting machine. 2,179,900; Nov. 14.
Sheets, Er M. (See McCall, F. W., and Sheets.)
Sheldon, Cecil M. (See Duncklee, E. R., and Sheldon.)
Shelton Tack Company. (See Sheane, Francis L., assignor.)
Short Brothers (Rochester & Bedford) Limited. (See Mattocks, Arthur O., assignor.)
Shortland, Arthur. (See Bromley, T. C., and Shortland.)
Siemens Brothers & Company. (See Sutton, George W., assignor.)
Siemens & Halske Aktiengesellschaft. (See Kudrna, Benedikt, assignor.)
Signal Engineering & Manufacturing Company. (See Ebert, J. F., and Terjesen, assignors.)
Sills, Hubert R., and D. V. Canning, Peterborough, Ontario, Canada, assignors to General Electric Company. Protective system. 2,180,174; Nov. 14.
Sivertsen, Jens, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Method of and apparatus for measuring small changes in length. 2,180,175; Nov. 14.
Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
Sinko, John, Oak Park, Ill. Electric cigar lighter. 2,180,069; Nov. 14.
Skerratt, Ralph W., Girard, Ohio. Belt shifter. 2,179,865; Nov. 14.
Skinner, Mrs. B. C. (See Longfield-Smith, Longfield, assignor.)
Smith, A. O., Corporation. (See Andrus, Orrin E., assignor.)
Smith, A. O., Corporation. (See Asmussen, Jes, assignor.)
Smith, A. O., Corporation. (See Zerbe, Frederick K., assignor.)
Smith, Benjamin F., Grand Rapids, Mich. Mechanical game. 2,180,123; Nov. 14.
Smith, Charles, St. Louis, assignor of one-fourth to J. H. Thels, Pacific, Mo. Spark plug. 2,179,801; Nov. 14.
Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,179,601; Nov. 14.
Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical gaseous discharge device. 2,179,673; Nov. 14.
Smith, George A., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Orienting drill stems. 2,179,832; Nov. 14.
Smith, Harvey J., Danville, Va. Refrigerator. 2,180,071; Nov. 14.
Smith, Henry A., Phillipsburg, N. J., and J. Kirgan, Brooklyn, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J. Control means for refrigerating apparatus. 2,179,866; Nov. 14.
Smith, Henry C., assignor to Superior Hand Brake Company, Chicago, Ill. Slack adjuster. 2,179,564; Nov. 14.
Smith, Herschel G., Swarthmore, assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of low pour test lubricating distillates. 2,180,070; Nov. 14.
Smith, Hiram P., Canton, Ill., assignor to International Harvester Company. Adjusting mechanism for tractor implements. 2,180,124; Nov. 14.
Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Electric appliance structure. 2,179,761; Nov. 14.
Smith, Jack F., Buffalo, N. Y., assignor to Magill-Weinsheimer Company, Chicago, Ill. Display stand. 2,180,125; Nov. 14.
Smith, John N., assignor of one-fourth to H. Walker, one-fourth to H. Parr, and one-fourth to W. H. Smith, trading as T. Walker & Company, Manchester, England. Cloth laying machine. 2,180,072; Nov. 14.
Smith, Lowel, Dixon, Ill. Centering device. 2,179,602; Nov. 14.
Smith, Loyd A., Lexington, N. C., assignor to West Point Manufacturing Company, West Point, Ala. Tufting mechanism for sewing machines. 2,180,073; Nov. 14.
Smith, Ralph W., Walton, N. Y. Ground detector. 2,179,901; Nov. 14.
Smith, William H., East Molesey, England. Conveyer. 2,180,074; Nov. 14.
Smith, William H., et al. (See Smith, John N., assignor.)
Smolowitz, Harry, Denver, Colo. Window shade. 2,179,763; Nov. 14.
Snodgrass, Leslie E., Pontiac, Mich. Mask. 2,180,216; Nov. 14.
Snyder, Richard L. (See Farnsworth, P. T., and Snyder.)
Société Bronzavia. (See Malczewski, Jeremi, assignor.)
Solheim, Harriet M., Parker, S. Dak. Chalk holder. 2,179,902; Nov. 14.
Soller, Arnold. (See Sprague, Philip T. and C. A., and Soller.)
Solomon, Guillermo, Santiago, Dominican Republic, West Indies. Automobile parking device. 2,180,127; Nov. 14.
Solomon, Nathan L., Brooklyn, N. Y. Hair curler. 2,179,525; Nov. 14.
Somes, Howard E., Detroit, Mich. Cleaning and degreasing system. 2,180,126; Nov. 14.
Sondermann, Karl, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Distillation of liquids having relatively high boiling points. 2,179,833; Nov. 14.
Sowter, Percy F. C. (See Dickle, W. A., and Sowter.)
Spadone, Charles C., Rockville Centre, N. Y. Machine for cleaning corrugated plates or molds. 2,179,963; Nov. 14.
Spalding, John D., Los Angeles, Calif., assignor, by mesne assignments, to The National Supply Company, Pittsburgh, Pa. Drill stem roller drive bushing. 2,179,645; Nov. 14.
Spangenberg, Albert C. (See Carlton, J. C., and Spangenberg.)
Spartalis, Athena M., et al. (See Spartalis, Michael P., assignor.)
Spartalis, Michael P., assignor of twenty per cent to N. Chiomes and twenty per cent to J. P. J. Dolan, St. Paul, and twenty per cent to C. M. Rallis, Minneapolis, Minn., and forty per cent to A. M. Spartalis. Barbecue machine. 2,179,646; Nov. 14.
Spears, Lewis M., Lubbock, Tex. Knee joint protector. 2,179,903; Nov. 14.
Specialty Engineering Company. (See McCurtain, Frank, assignor.)
Spencer Lens Company. (See Estey, Roger S., assignor.)
Sperry, Arthur G., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Spacer element for typographical machines. 2,180,302; Nov. 14.
Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)
Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)
Sperry Gyroscope Company. (See Hodgman, Frederick S., assignor.)
Sperry-Sun Well Surveying Company. (See Smith, George A., assignor.)
Spicer Manufacturing Corporation. (See Peterson, Carl D., assignor.)
Spiegelberg, Hans, Basel, Switzerland, assignor to Hoffman-La Roche, Inc., Nutley, N. J. Manufacture of thiazoles having a hydrogen atom in the 2-position. 2,179,984; Nov. 14.
Sprague, Charles A. (See Sprague, Philip T. and C. A.)
Sprague, Charles A. (See Sprague, Philip T. and C. A., and Soller.)
Sprague, Philip T. and C. A., and A. Soller, Michigan City, Ind. Gas analyzer. 2,179,867; Nov. 14.
Sprague, Philip T. and C. A., Michigan City, Ind. Apparatus for analyzing a gas. 2,180,322; Nov. 14.
Square D Company. (See Roby, Frank H., assignor.)
Stancliffe, Cecil W., London, assignor of one-half to Winget Limited, Rocester, Kent, England. Reciprocating pump. 2,180,128; Nov. 14.
Stadium Manufacturing Co. Inc. (See Trageser, Charles F., assignor.)
Standard Alcohol Company. (See Beamer, Clayton M., assignor.)
Standard Container, Inc. (See Fitch, John, assignor.)
Standard Oil Company. (See Boyd, George A., assignor.)
Standard Oil Company, The. (See Whitacre, Charles H., assignor.)

Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)
Stark, Milton, and F. Sutton, assignors to Stark Tube Company, Toronto, Ontario, Canada. Radio tube tester. 2,179,565; Nov. 14.
Stark Tube Company. (See Stark, M., and Sutton, assignors.)
Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Fruit handling machine. 2,179,868; Nov. 14.
Stein, Abraham I. (See Bell, C. H., Deitz, and Stein.)
Steloff, Arthur F. (See Hock, A., and Steloff.)
Steiner, Waldo L. (See Lincoln, B. H., Steiner, and Henriksen.)
Steinlein, Gustav, Mainberg, near Schweinfurt, and L. Bruckmoser, Schweinfurt, Germany. Air-cooled bicycle motor. 2,179,764; Nov. 14.
Stephens, Irvin A., Las Vegas, Nev. Trapper's spring gun. 2,179,647; Nov. 14.
Stephenson, Hugh W., Sheffield, and T. H. Burton, Florence, Ala. Safety emblem. 2,180,261; Nov. 14.
Stevens, Ralph W., Madison, Wis. Surgical pack. 2,179,964; Nov. 14.
Stivender, Edward H., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric commutator. 2,180,312; Nov. 14.
Stock, Harry F., assignor to The Marion Steam Shovel Company, Marion, Ohio. Walking tractor. 2,179,765; Nov. 14.
Stoeckly, Johann J., Teltow-Seehof, and K. Schmidt, Kassel-Bettenhausen, Germany, assignors to North American Rayon Corporation, New York, N. Y. After-treatment of yarn of artificial origin. 2,179,985; Nov. 14.
Stoekle, Erwin R., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Resistor. 2,179,966; Nov. 14.
Stolpe, Frederick J., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Holding and releasing mechanism for hand brakes. 2,179,674; Nov. 14.
Stone, Herbert G., Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Recovering aliphatic acids. 2,180,021; Nov. 14.
Stone, Morris D., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Strain gauge. 2,180,176; Nov. 14.
Stout, Earl B., Gray, Ind. Rail spacing apparatus. 2,180,075; Nov. 14.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,179,526; Nov. 14.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Constructing plows and the like. 2,179,527; Nov. 14.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,179,528; Nov. 14.
Strassberger, Lothar, Berlin-Wilmersdorf, and H. Jacobi, Berlin-Charlottenburg, Germany, assignors to Schering Corporation, Bloomfield, N. J. Valuable degradation products of sterols and producing the same. 2,180,095; Nov. 14.
Strayer, Arthur C., Beaver, Pa. Filing cabinet or the like. 2,179,904; Nov. 14.
Streck, Charles, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Switch mechanism. 2,180,022; Nov. 14.
Streibel, Ludwig. (See Ehresmann, A., and Streibel.)
Strength, Thomas C., Long Beach, Calif. Deflecting device for well drilling tools. 2,179,567; Nov. 14.
Strube, Edward C., Rome, N. Y., assignor, by mesne assignments, to American Anode Inc., Akron, Ohio. Insulated conductor. 2,179,965; Nov. 14.
Sturley, Kenneth R., Chelmsford, England, assignor to Radio Corporation of America. Noise suppression circuits. 2,179,966; Nov. 14.
Sturm, Ernst, Berlin-Lankwitz, and R. Fleischmann, assignors to firma Johann A. Wulfing, Berlin, Germany. Preparing metal sulphhydryl compounds from keratin degradation products. 2,180,262; Nov. 14.
Sturtevant, B. F., Company. (See Anderson, S. M., and Palmer, assignors.)
Sulzer Frères, Société Anonyme. (See Brunner, Adolf, assignor.)
Sulzer Frères, Société Anonyme. (See Heinzelmann, Hans, assignor.)
Sundstrand Machine Tool Co. (See Swanson, Fred R., assignor.)
Superior Felt & Bedding Company. (See De Marco, Louis, Jr., assignor.)
Superior Hand Brake Company. (See Smith, Henry C., assignor.)
Surbeck, Leighton H., New York, N. Y. Needle-threading device. 2,179,834; Nov. 14.
Surface Combustion Corporation. (See McDermott, George R., assignor.)
Sutton, Frederick. (See Stark, M., and Sutton.)
Sutton, George W., assignor to Siemens Brothers & Company, Limited, London, England. Microphone. 2,179,733; Nov. 14.
Swan, Aud. (See Latham, A., and Swan.)
Swanson, Fred R., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Grinding machine. 2,179,869; Nov. 14.
Swanson, Ziegner, De Kalb, Ill. Musical instrument. 2,180,130; Nov. 14.
Swarr, Howard G. (See Claxton, E., Schrader, and Swarr.)
Swartz, Nathan, Lynn, Mass. Shoe. 2,180,076; Nov. 14.
Switlik, Stanley, Trenton, N. J. Parachute assemblage. 2,180,182; Nov. 14.
Sykes, Wilfred, assignor to Inland Steel Company, Chicago, Ill. Apparatus for producing beams, columns, or the like. 2,179,802; Nov. 14.
Sykes, Wilfred, Flossmoor, assignor to Inland Steel Company, Chicago, Ill. Apparatus for producing beams, columns, or the like. 2,179,803; Nov. 14.
Tammen, Albert B., Floral Park, N. Y. Garment hanger. 2,180,263; Nov. 14.
Tannen, Sydney, et al. (See Jones, Robert L., assignor.)
Taylor, Alfred M., Birmingham, England. Electric power transmission. 2,180,264; Nov. 14.
Taylor Instrument Companies. (See Young, William M., assignor.)
Taylor, Jesse E. (See Geertz, E., and Taylor.)
Taylor, Wilfrid, and C. R. L. Hall, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of electric fuseheads such as are used, for example, in blasting detonators. 2,180,129; Nov. 14.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hagenhaus, Kurt, assignor.)
Teletype Corporation. (See Burcky, C. W., and Zenner, assignors.)
Teletypesetter Corporation. (See Cook, L. R., and Goetz, assignors.)
Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Slug feeding mechanism for tube extruding presses. 2,180,313; Nov. 14.
Tenacity Manufacturing Co., The. (See Auburn, Hubert, assignor.)
Terjesen, Tellef A. (See Ebert, J. F., and Terjesen.)
Ternstrom, Torolf, Motala, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigerator. 2,180,177; Nov. 14.
Terrell, Edgar A., assignor to The Terrell Machine Company, Charlotte, N. C. Yarn cutter for bobbin strippers. 2,179,804; Nov. 14.
Terrell Machine Company, The. (See Terrell, Edgar A., assignor.)
Teter, Paul E. (See Erickson, G. L., and Teter.)
Thayer, Josephus J., La Grange Park, Ill. Cell case packing machine. 2,179,648; Nov. 14.
Thels, John H. (See Smith, Charles, assignor.)
Thiboust, Lucien, Paris, France. Calculating device. 2,179,905; Nov. 14.
Thiry, Leon. (See Schroedter, Rolf, assignor.)
Thomas & Betts Co., The. (See Thomas, G. C., Jr., and Badeau, assignors.)
Thomas, Charles A., Dayton, Ohio, assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Sulphonic acids of aromatic compounds. 2,180,314; Nov. 14.
Thomas, Christopher D., et al. (See Dennison, Orvie G., assignor.)
Thomas, George C., Jr., Elizabeth, and C. A. Badeau, Highland Park, assignors to The Thomas & Betts Co., Elizabeth, N. J. Entrance fitting. 2,180,096; Nov. 14.
Thomas, Ray, Los Angeles, Calif. Lagging clutch. 2,180,217; Nov. 14.
Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Pear preparation machine. 2,179,529; Nov. 14.
Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Gear wheel. 2,179,967; Nov. 14.
Thompson, Leslie E. (See Williams, A. E., Thompson, and Cubitt.)
Thompson, Ralph E., Brookline, Mass. Apparatus for treating moldable materials. 2,179,968; Nov. 14.
Thompson, Thomas F., Sterling Station, N. Y. Collapsible tube closure. 2,179,906; Nov. 14.
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Tinius Olsen Testing Machine Company. (See Sivertsen, Jens, assignor.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Shelf supporting stud, knob or the like. 2,179,603; Nov. 14.
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Columbus, Ohio. Shelf supporting stud or the like. 2,179,604; Nov. 14.
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 2,180,266; Nov. 14.
Thiel, John F., Maple Shade, N. J. Knitting machine cam. 2,180,265; Nov. 14.
Tisza, Edmond T. (See Edelman, M. D., and Tisza.)
Toenniessen, Ernst, Munich, Germany. Drawing frame for textile fibers. 2,180,325; Nov. 14.
Tompkins Bros. Co. (See Ingalls, Willis A., assignor.)
Toth, Louis. (See Peremi, E., and Toth.)
Townsend, Albert J., and F. J. Bascombe, Lima, Ohio. Forming finned tubing or the like. 2,179,530; Nov. 14.
Trageser, Charles F., assignor to Stadium Manufacturing Co. Inc., Baltimore, Md. Garment. 2,179,675; Nov. 14.
Trapnell, Frederick M., U. S. Navy. Navigational instrument. 2,179,531; Nov. 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aluminum chloride, Producing. W. H. Shiffler and W. P. Anderson. Re. 21,265; Nov. 14.
Drive for rod weeders. C. F. Bloom. Re. 21,259; Nov. 14.
Heel parts of shoe uppers, Shaping. C. A. Thurston. Re. 21,267; Nov. 14.
Lister. W. H. Silver. Re. 21,266; Nov. 14.
Metalworking. C. W. Hazelett. Re. 21,261; Nov. 14.
Metalworking process. C. W. Hazelett. Re. 21,260; Nov. 14.
Road construction. H. A. Ingalls. Re. 21,262; Nov. 14.
Showcase. C. E. Rorrer and A. R. Mitterer. Re. 21,264; Nov. 14.
Spring and making the same. K. Kaden. Re. 21,263; Nov. 14.

LIST OF PLANT INVENTIONS

Pyracantha koidzumii. E. Bourdieu. 346; Nov. 14.

LIST OF DESIGN INVENTIONS

Automobile. P. M. Lewis. 117,636; Nov. 14.
Bag for toilet articles. C. Doppelt. 117,558; Nov. 14.
Boot, Ski. P. Limmer. 117,637; Nov. 14.
Bottle. R. A. Blunt. 117,605–9; Nov. 14.
Bottle. T. D. D'Addario. 117,610; Nov. 14.
Bottle. B. D. Fuerst. 117,617; Nov. 14.
Bottle. J. Manoha. 117,620; Nov. 14.
Bottle. P. P. Mülhens. 117,659; Nov. 14.
Bottle, applicator, and container therefor, Combined. E. C. Grullemans. 117,560; Nov. 14.
Buckle. F. Hirsh. 117,565; Nov. 14.
Building, Store. A. W. Vanderput. 117,588; Nov. 14.
Burner, Oil. F. E. Herr. 117,634; Nov. 14.
Burner, Trash. C. R. Blood. 117,551; Nov. 14.
Cabinet, Washing machine. H. D. Brotman. 117,627; Nov. 14.
Camera. J. B. Nelson. 117,575; Nov. 14.
Camera. W. D. Teague. 117,587; Nov. 14.
Card, Bottle display. F. A. Sunderhauf and F. W. Broderick. 117,602; Nov. 14.
Carpet or similar article. G. V. Uihlein. 117,624; Nov. 14.
Case, Lipstick. C. F. Harris. 117,562; Nov. 14.
Case or similar article, Vanity. J. Rich. 117,639; Nov. 14.
Case, radio, phonograph, and music cabinet, Combined piano. J. K. Webster. 117,589; Nov. 14.
Chain, Bracelet. J. Sand. 117,576–80; Nov. 14.
Chain, Bracelet. J. Sand. 117,595–9; Nov. 14.
Coffee maker. H. G. Lehmann. 117,568–71; Nov. 14.
Container, Combined box and perfume. F. N. Lewis. 117,572; Nov. 14.
Dish or similar article, Soap. R. S. Sanford. 117,581; Nov. 14.
Doll. E. L. Menger. 117,593; Nov. 14.
Drain board and drier cover, Combined. F. A. Conterman. 117,628; Nov. 14.
Dress. L. Friend and E. Wieder. 117,647; Nov. 14.
Dress. L. L. Kashine. 117,635; Nov. 14.
Dress. H. Lentini. 117,649; Nov. 14.
Dress. K. Rost. 117,650; Nov. 14.
Dress. I. Roth. 117,651; Nov. 14.
Dress. S. Ruchman. 117,652–3; Nov. 14.
Dress. E. Schetagne. 117,654; Nov. 14.
Dress. J. Siegel. 117,655; Nov. 14.
Dress. M. Stein. 117,657; Nov. 14.
Dress. I. Weber. 117,658; Nov. 14.
Dress ensemble. P. Corday. 117,629; Nov. 14.
Dress ensemble. S. Kuznetz. 117,648; Nov. 14.
Dress ensemble. A. Engel. 117,592; Nov. 14.
Fabric or similar article, Textile. B. Gordon. 117,618; Nov. 14.
Fabric or similar article, Textile. R. Weiss. 117,644; Nov. 14.
Fabric or similar article, Woven textile. A. Fluegelman. 117,631; Nov. 14.
Fabric, Textile. E. L. Espen. 117,613; Nov. 14.
Fabric, Textile. C. E. Forstmann. 117,614–6; Nov. 14.
Fabric, Textile. J. A. Krasnov. 117,619; Nov. 14.
Fabric, Textile. S. E. Staines. 117,642; Nov. 14.
Fabric, Textile. S. E. Staines. 117,656; Nov. 14.
Filter, Air. E. F. Koehler. 117,566; Nov. 14.
Firearm. E. Pugsley. 117,638; Nov. 14.
Golf, Device for teaching. J. J. Schneider. 117,600; Nov. 14.
Handkerchief. M. J. Rosen. 117,640–1; Nov. 14.
Holder or similar article, Tumbler. R. S. Sanford. 117,582; Nov. 14.
Incinerator. L. G. Haase. 117,633; Nov. 14.
Jug, Heat insulated. E. Schwarz. 117,621; Nov. 14.
Lamp or similar article. A. H. Murray. 117,574; Nov. 14.
Leather or similar article. P. Borda. 117,591; Nov. 14.
Lighting fixture unit or similar article. L. L. Stewart. 117,643; Nov. 14.
Mold and shovel, Combination wooden sand. K. Bojesen. 117,555; Nov. 14.
Mug. V. J. Bergeron. 117,550; Nov. 14.
Nutcracker, Souvenir. P. Tourian. 117,623; Nov. 14.
Ozonizer. S. Held. 117,564; Nov. 14.
Picture and music record and suport for same, Combination. A. Sova. 117,584; Nov. 14.
Pin. H. Hartman. 117,563; Nov. 14.
Pipe coupling elbow. W. R. Wilson. 117,590; Nov. 14.
Pipe, Tobacco smoking. J. W. Kurtz. 117,567; Nov. 14.
Platter or similar article. R. A. Barter. 117,549; Nov. 14.
Range. D. L. Hadley. 117,561; Nov. 14.
Ring or similar article, Finger. F. E. Karples. 117,557; Nov. 14.
Rocking horse, Wooden. K. Bojesen. 117,553; Nov. 14.
Saddle seat, Cycle. J. G. Rideout. 117,594; Nov. 14.
Scale panel. J. Watling. 117,604; Nov. 14.
Scarf and ear muffs, Combined. E. Estel, T. Boonshaft, and E. Rovin. 117,630; Nov. 14.
Shoe sole. P. A. Sperry. 117,585; Nov. 14.
Spoon or similar article, Culinary. M. Brandt. 117,625; Nov. 14.
Stand, News. S. J. Tauriello. 117,586; Nov. 14.
Stove, Electric. S. W. Drury. 117,559; Nov. 14.
Swing. W. I. Smith. 117,622; Nov. 14.
Table or similar article, Dressing. G. C. Ellis. 117,612; Nov. 14.
Tablecloth or similar article. S. Brown. 117,646; Nov. 14.
Teething ring and rattle, Combination wooden. K. Bojesen. 117,645; Nov. 14.
Tire casing. F. J. Snyder. 117,601; Nov. 14.
Toy animal. L. Gottlieb. 117,632; Nov. 14.
Toy automobile, Wooden. K. Bojesen. 117,552; Nov. 14.
Toy chassis, Wooden. K. Bojesen. 117,554; Nov. 14.
Toy truck, Wooden. K. Bojesen. 117,556; Nov. 14.
Toy wind-operated device. F. E. Thoren. 117,603; Nov. 14.
Trawler or the like. I. Bromfield. 117,626; Nov. 14.
Tumbler and tooth brush holder or similar article, Combination. R. S. Sanford. 117,583; Nov. 14.
Vibrator. J. F. Meyer. 117,573; Nov. 14.
X-ray cassette tunnel. D. A. Eddy. 117,611; Nov. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. A. N. Emmons. 2,179,995; Nov. 14.
Abrading machine. A. S. Johnson. 2,179,507; Nov. 14.
Abrasive article. R. C. Benner and N. P. Robie. 2,179,487; Nov. 14.
Accelerator governor linkage. E. M. Hinton and W. A. Brandt. 2,179,788; Nov. 14.
Acetylene, Apparatus for the preparation of. H. Holler and O. Mues. 2,180,085; Nov. 14.
Acid, Manufacture of levo-ascorbic. F. Elger. 2,179,977–8; Nov. 14.
Acids of aromatic compounds, Sulphonic. C. A. Thomas. 2,180,314; Nov. 14.
Acids, Recovering aliphatic. H. G. Stone. 2,180,021; Nov. 14.
Adapter. R. S. Woodruff. 2,179,912; Nov. 14.
Adhesive. R. Köhler. 2,180,152; Nov. 14.
Adjusting mechanism for tractor implements. H. P. Smith. 2,180,124; Nov. 14.
Adsorber apparatus. R. H. Osterloh and W. L. Scarborough. 2,180,119; Nov. 14.
Aerating tank. K. Imhoff. 2,180,148; Nov. 14.
Aerial navigation, Method and means of. J. A. Zublin. 2,179,570; Nov. 14.
Aggregates in portable rock crusher machines, Conveying. P. C. Malmsten. 2,179,747; Nov. 14.
Agricultural machine. E. B. Moore. 2,180,253; Nov. 14.
Air conditioning. H. M. Ullstrand. 2,179,734; Nov. 14.
Air conditioning means for brooders and the like, Portable. W. E. Lyon. 2,179,893; Nov. 14.
Air-cooled bicycle motor. G. Steinlein and L. Bruckmoser. 2,179,764; Nov. 14.
Aircraft, Blind landing of. H. Diamond. 2,179,499; Nov. 14.
Airship and sustaining the same. A. J. Dardel. 2,180,036; Nov. 14.
Alarm device. B. Griffin. 2,180,047; Nov. 14.
Alarm dispatching mechanism. J. F. Ebert and T. A. Terjesen. 2,179,994; Nov. 14.
Alcohol containing a lower alkyl acetal, Denatured. L. J. Figg, Jr., and J. W. Rhea. 2,180,000; Nov. 14.
Alcohol containing ethylene diamine, Denatured. L. J. Figg, Jr. 2,179,997; Nov. 14.
Alcohol containing quinoline, Denatured. L. J. Figg, Jr. 2,179,998; Nov. 14.
Alcohol containing tetrahydrofurfuryl alcohol, Denatured. L. J. Figg, Jr. 2,179,999; Nov. 14.
Alloy: *See*—
Ferrous alloy.
Hard facing alloy.
Metallic alloy.
Zinc base alloy.
α-naphthacetyl-amino acids and manufacture of same. O. Isler. 2,179,979; Nov. 14.
Amines, Separation and refining of. R. L. Hasche and L. G. Davy. 2,180,006; Nov. 14.
Ammonium thiocyanate, Manufacture of. R. A. Mathes. 2,179,943; Nov. 14.
Amplifier, Photocell. R. H. Ranger. 2,179,954; Nov. 14.
Anthraquinone compounds, Preparation of. M. A. Perkins. 2,180,299; Nov. 14.
Antiseptic dispenser, Pocket. C. Layne. 2,180,248; Nov. 14.
Apparatus for analyzing a gas. P. T. and C. A. Sprague. 2,180,322; Nov. 14.
Apparatus for and method of reducing distortion in the reception of electromagnetic waves. D. A. Wilbur. 2,179,872; Nov. 14.
Apparatus for introducing fluid into a deep well pump. C. J. Coberly. 2,179,480; Nov. 14.
Apparatus for producing from endless fibers a card sliver suitable for drawings. K. J. Schmitt. 2,180,172; Nov. 14.
Apparatus for well cleaning. W. J. Crites. 2,179,619; Nov. 14.
Arc lamp, Metal vapor. W. T. Anderson, Jr. 2,179,606; Nov. 14.
Arm holder. F. C. Anderson, Jr. 2,180,270; Nov. 14.
Articles consisting of a band of the helical type, Method and device for making. H. M. E. Du Bosc̨q de Beaumont. 2,179,881; Nov. 14.
Artist's equipment. M. M. Kándic. 2,180,059; Nov. 14.
Asphalt, Preparation of. C. H. Whitacre. 2,179,988; Nov. 14.
Attachment for clothes wringers. J. Dougherty, Sr. 2,179,590; Nov. 14.
Attachment for cultivators. A. J. Meeks. 2,179,596; Nov. 14.
Attachment for motor vehicles, Antisideslipping. H. L. Norton. 2,179,515; Nov. 14.
Attachment for tapering bodies, Soldering. A. M. Cameron. 2,179,479; Nov. 14.
Audiphone. A. S. Craig. 2,179,615; Nov. 14.
Automatic pressure release ratchet wrench. C. A. Latimer. 2,179,855; Nov. 14.
Automobile parking device. G. Solomon. 2,180,127; Nov. 14.
Awning, Window screen. M. P. Burke. 2,179,541; Nov. 14.
Azo compounds and coloring therewith. J. G. McNally and J. B. Dickey. 2,180,012; Nov. 14.
Bag: *See*—
Record bag.
Bag. W. E. Scott. 2,179,864; Nov. 14.
Bag pressure indicating device for suction cleaners. Q. Berg. 2,179,808; Nov. 14.
Balance computer. L. W. Imm. 2,179,822; Nov. 14.
Baling machine. W. H. Lamp. 2,179,937; Nov. 14.
Bandeau, Controlling. I. R. Versoy. 2,180,180; Nov. 14.
Barbecue machine. M. P. Spartalis. 2,179,646; Nov. 14.
Basin, Adjustable catch. E. E. Ward. 2,180,268; Nov. 14.
Basket, Paperboard. B. F. Kells. 2,179,555; Nov. 14.
Bast fibers, Wet treatment of raw. H. Korte. 2,180,087; Nov. 14.
Beam weight. W. C. Trout and J. L. Fincher. 2,179,649; Nov. 14.
Beams, columns, or the like, Apparatus for producing. W. Sykes. 2,179,802–3; Nov. 14.
Bearing and making the same, Threaded. J. W. Leighton. 2,179,856; Nov. 14.
Bearing for crossheads and the like. T. V. Buckwalter. 2,180,315; Nov. 14.
Bearings, Making. J. W. Leighton. 2,180,282–3; Nov. 14.
Belt. A. L. Freedlander. 2,179,691; Nov. 14.
Belt connector. E. H. Kremer. 2,179,697; Nov. 14.
Belt for textile spindles, Drive. R. W. Cutler. 2,179,655; Nov. 14.
Belt shifter. R. W. Skerratt. 2,179,865; Nov. 14.
Belt splice. H. C. Clay. 2,179,813; Nov. 14.
Beta-halogen-butadienes-1,3, Preparing. H. Lange and O. Horn. 2,180,115; Nov. 14.
Beverage cooling cabinet. H. A. Pfeiffer. 2,179,898; Nov. 14.
Bicycle, Motor. L. Bruckmoser. 2,179,478; Nov. 14.
Binder. G. Hammer. 2,180,106; Nov. 14.
Binder, Loose leaf. K. Handler. 2,179,627; Nov. 14.
Binder, Loose-leaf visible index. J. Schade. 2,179,756; Nov. 14.
Binder mechanism. H. Auburn. 2,179,874; Nov. 14.
Bit: *See*—
Drill bit.
Bit and shank, Drill. L. Saltzer. 2,180,120; Nov. 14.
Blind. A. Durre. 2,179,882; Nov. 14.
Blind, Venetian. A. Bowman. 2,179,572; Nov. 14.
Boiler: *See*—
Electric boiler.
Boiler supporting arrangement, Locomotive. O. K. Kjolseth. 2,180,149; Nov. 14.
Bolt. E. Buggatti. 2,180,030; Nov. 14.
Booth, Voting. I. Zinser. 2,180,131; Nov. 14.
Boots and shoes, Production of. C. Haber and E. Haumann. 2,180,234; Nov. 14.
Bottle cap. S. B. Hunt, Jr. 2,180,055; Nov. 14.
Bottle closure, Nonrefillable. T. F. Kolts. 2,179,511; Nov. 14.
Bottle filling machine valve. J. Kantor. 2,180,296; Nov. 14.
Bottle, Nonrefillable. T. F. Kolts. 2,179,510; Nov. 14.
Box: *See*—
Mail box.
Shipping box.
Box. J. S. Saylor. 2,179,731; Nov. 14.
Brake: *See*—
Drum brake.
Fluid brake.
Railway brake.
Roller skate brake.
Brake control mechanism. M. B. Lucker. 2,190,307; Nov. 14.
Brake hanger retainer. M. S. Johnson. 2,179,722; Nov. 14.
Brake means for yarns. W. A. Ingalls. 2,180,241; Nov. 14.
Brake operating mechanism. A. W. L. Hartbauer. 2,179,503; Nov. 14.
Bread, Apparatus for baking. C. A. Roys. 2,179,671; Nov. 14.
Bread, Making loaves of. C. A. Roys. 2,179,672; Nov. 14.
Brick and walls and buildings utilizing the same, Light directing. T. W. Rolph. 2,179,863; Nov. 14.
Brick and walls and buildings utilizing the same, Reflecting. T. W. Rolph. 2,179,862; Nov. 14.

Buckle and the like, Hose supporter. I. R. Versoy. 2,180,179; Nov. 14.
Burner: *See*—
Gas stove burner. Liquid fuel burner.
Burner for liquid fuel. J. L. Breese. 2,179,610; Nov. 14.
Bushing, Drill stem roller drive. J. D. Spalding. 2,179,645; Nov. 14.
Butter feeder. M. J. Milmoe and C. J. Malhiot. 2,180,163; Nov. 14.
Button, Tack. F. G. Purinton. 2,179,521–2; Nov. 14.
Cabinet: *See*—
Beverage cooling cabinet. Tooth brush cabinet.
Cosmetic cabinet.
Cabinet or the like, Filing. A. C. Strayer. 2,179,904; Nov. 14.
Cables, Means and method of sectionalizing coaxial. J. F. Wentz. 2,179,971; Nov. 14.
Cake making device. A. Lagrange. 2,180,061; Nov. 14.
Calculating device. L. Thiboust. 2,179,905; Nov. 14.
Calendering machine. P. Gleissner. 2,180,046; Nov. 14.
Calk for tire chains. J. R. Reyburn. 2,180,097; Nov. 14.
Cam, Knitting machine. J. F. Thiel. 2,180,265; Nov. 14.
Camera. R. S. Estey. 2,179,657; Nov. 14.
Camera. K. Nuchterlein. 2,180,064; Nov. 14.
Camera blimp. W. Eglinton and H. G. Cunningham. 2,179,817; Nov. 14.
Camera shutter device, Automatic. N. V. Fedotoff. 2,179,718; Nov. 14.
Camera with range finder. C. Ort. 2,180,017; Nov. 14.
Cameras, Height equalizing arrangement for photographic. A. Nagel. 2,180,016; Nov. 14.
Can pouring device. E. J. Willis. 2,179,772; Nov. 14.
Cap: *See*—
Bottle cap.
Cap. F. J. Goskey. 2,179,719; Nov. 14.
Cap, Making a bottle sealing. H. F. Kniesche. 2,180,243; Nov. 14.
Cap remover, Coin controlled. I. H. Fitzpatrick. 2,179,883; Nov. 14.
Car: *See*—
Mine car. Refrigerator car.
Carbon dioxide, Method and apparatus for producing, transporting, storing, and/or handling liquid. E. Geertz and J. E. Taylor. 2,180,231; Nov. 14.
Carrier: *See*—
Load carrier. Sample carrier.
Package and article carrier.
Carton. J. A. Mooter and F. Hamlin. 2,179,981; Nov. 14.
Carton. W. Pfundstein and O. Wilson. 2,179,830; Nov. 14.
Carton, Collapsible. L. De Marco, Jr. 2,180,104; Nov. 14.
Cartridge, Shotgun. J. E. D. Holland and W. Mansfield. 2,180,239; Nov. 14.
Case: *See*—
Collapsible case. Vanity case.
Catalyst regeneration. G. A. Boyd. 2,180,220; Nov. 14.
Cathode ray oscillograph control. H. P. Kuehni. 2,180,153; Nov. 14.
Cell case packing machine. J. J. Thayer. 2,179,648; Nov. 14.
Cellulose pellicle, Regenerated. T. F. Banigan. 2,179,571; Nov. 14.
Cellulose triacetate, Precipitation of. C. J. Malm. 2,180,009; Nov. 14.
Cellulosic ester composition. L. P. Kyrides. 2,180,281; Nov. 14.
Cement composition, Stucco. V. Morgero. 2,179,754; Nov. 14.
Centering device. L. Smith. 2,179,602; Nov. 14.
Centrifugal machine for homogenizing. H. L. Saylor. 2,180,301; Nov. 14.
Centrifuge for separating substances of different specific gravities. H. O. Lindgren. 2,179,941; Nov. 14.
Chain: *See*—
Tire chain.
Chain. A. Maurer. 2,179,944; Nov. 14.
Chalk holder. H. M. Solheim. 2,179,902; Nov. 14.
Change-speed gear. W. Meller. 2,179,827; Nov. 14.
Channel cutter. J. J. Scanlon. 2,179,732; Nov. 14.
Check pad holder. E. A. Haveles. 2,179,694; Nov. 14.
Checkerwork structure. A. G. McKee. 2,179,666; Nov. 14.
Cheese turning apparatus. G. F. Wenger. 2,179,910; Nov. 14.
Chlorides and bromides and halohydrin esters, Making unsaturated. C. G. Harford. 2,179,787; Nov. 14.
Circuit: *See*—
Electric circuit. Regulator circuit.
Circuit closing device. L. Weil. 2,179,653; Nov. 14.
Circuit interrupter, Electric. W. Hopp. 2,180,147; Nov. 14.
Circuits, Automatic selectivity control. W. van B. Roberts. 2,179,956; Nov. 14.
Circuits, Cathode ray deflecting. A. V. Bedford. 2,179,607; Nov. 14.
Circuits, Gain control. R. R. Blair. 2,179,915; Nov. 14.
Circuits, Noise suppression. K. R. Sturley. 2,179,966; Nov. 14.
Circuits, Receiver gain control. K. Hagenhaus. 2,179,928; Nov. 14.
Circulation system for wood pulp digesters. E. Morterud. 2,179,796; Nov. 14.
Clamp: *See*—
Hose clamp. Rope clamp.
Clamp for printing machines, Plate. G. M. Keller and W. F. Huck. 2,179,508; Nov. 14.
Cleaner: *See*—
Monitor cleaner. Rake cleaner.
Cleaning and degreasing system. H. E. Somes. 2,180,126; Nov. 14.
Clip. W. R. Wiley. 2,179,582; Nov. 14.
Closure, Collapsible tube. T. F. Thompson. 2,179,906; Nov. 14.
Closure, Door and hatch. A. B. Court, G. H. Copenhaver, and J. Flodin. 2,179,495; Nov. 14.
Closure for dry cells. P. Drummond. 2,179,816; Nov. 14.
Cloth laying machine. K. N. Smith. 2,180,072; Nov. 14.
Clutch: *See*—
Lagging clutch.
Clutch. H. T. Kraft. 2,180,086; Nov. 14.
Clutch. E. R. Maurer. 2,179,945; Nov. 14.
Clutch. J. Wolkoff. 2,179,837; Nov. 14.
Clutch and brake for presses, Combined. R. E. Wissman. 2,180,218; Nov. 14.
Clutch and transmission, Hydraulic turbine. I. C. Popper. 2,179,518; Nov. 14.
Clutch releasing mechanism for automatic lathes. H. Junghans. 2,179,744; Nov. 14.
Cock or valve. F. V. Brown. 2,179,684; Nov. 14.
Coke-oven operating appliance. S. H. Kimmel. 2,179,635; Nov. 14.
Collapsible case. W. M. Copeland. 2,179,843; Nov. 14.
Color separation images, Making corrected. A. C. Hardy. 2,179,786; Nov. 14.
Colors, Manufacturing green ceramic. G. Jaeger and H. Diehl. 2,180,056; Nov. 14.
Comb, Fountain. M. Marton. 2,180,308; Nov. 14.
Combustion engine. F. Wehinger. 2,179,769; Nov. 14.
Combustion engine, Supercharged. H. Heinzelmann. 2,180,108; Nov. 14.
Comestibles and dispensing same, Packaging bulk frozen. H. W. Ohlhaver. 2,180,298; Nov. 14.
Commutator, Electric. E. H. Stivender. 2,180,312; Nov. 14.
Composition for preparing polystyrene films. E. C. Britton, H. B. Marshall, and C. W. Davis. 2,179,975; Nov. 14.
Composition of matter. M. Mueller-Cunradi, M. Otto, W. Daniel, and R. Werner. 2,180,081; Nov. 14.
Compound abrading and brazing machine. L. A. Wilkie. 2,180,078; Nov. 14.
Compounds of the perylene series. E. Clark. 2,179,920; Nov. 14.
Concrete, Apparatus for emplacing. W. P. Day. 2,180,198; Nov. 14.
Concrete laying and placing machine. H. M. Hadley. 2,179,553; Nov. 14.
Concrete pipe, Reinforced. E. Hering. 2,179,629; Nov. 14.
Condensation products. W. Bockemuller. 2,179,809; Nov. 14.
Condensation products containing phosphorus and their manufacture, Water soluble. J. Schäfer. 2,180,260; Nov. 14.
Condensation products having tanning action, Producing. H. Schuette. 2,179,800; Nov. 14.
Conductor, Insulated. E. C. Straube. 2,179,965; Nov. 14.
Connection with truck power unit, Automatic semitrailer power hoist. W. S. Gurton, J. Flint, and H. Nyberg. 2,180,048; Nov. 14.
Connector: *See*—
Belt connector. Electrical connector.
Connectors, Making electrical. F. W. Mebold. 2,179,753; Nov. 14.
Constant voltage generator. H. E. Wilber. 2,180,327; Nov. 14.
Container. L. W. Milos. 2,179,667; Nov. 14.
Container and spraying device, Combined. W. M. Vogel. 2,179,870; Nov. 14.
Container forming mechanism. M. Heres. 2,179,742; Nov. 14.
Control apparatus. E. D. Raney and W. H. F. Schmieding. 2,180,067; Nov. 14.
Control device for boilers. E. M. Frankel and A. Pollak. 2,179,782; Nov. 14.
Control device, Pressure governed. G. Algarsson. 2,179,775; Nov. 14.
Control for cooking utensils, Automatic. A. D. Keene. 2,179,936; Nov. 14.
Control for hand brakes. A. L. Johnson. 2,180,209; Nov. 14.
Control handle. W. S. Saunders and T. A. McGregor. 2,180,215; Nov. 14.
Control means for refrigerating apparatus. H. A. Smith and J. Kirgan. 2,179,866; Nov. 14.
Control mechanism. M. Gieseler. 2,180,144; Nov. 14.
Control mechanism. N. Pelosi. 2,179,517; Nov. 14.
Control mechanism, Rotation. R. T. Zwack. 2,180,287; Nov. 14.
Control system. A. P. B. Renshaw. 2,180,300; Nov. 14.
Controller for electric generating systems. W. O. Baer and E. W. Seeger. 2,179,680; Nov. 14.
Conveyer. G. L. N. Meyer. 2,180,284; Nov. 14.
Conveyer. W. H. Smith. 2,180,074; Nov. 14.
Cooker, Timed. M. H. Graham. 2,180,233; Nov. 14.
Cooking apparatus, Domestic. C. L. Scott. 2,180,068; Nov. 14.

Cooler. A. Hock and A. F. Steloff. 2,179,721; Nov. 14.
Cooling system. G. E. Hulse. 2,179,632; Nov. 14.
Corn husking machine. S. E. and W. W. Morral. 2,179,579; Nov. 14.
Corn shucker. M. Oelkers. 2,179,897; Nov. 14.
Corset, Maternity. I. R. Versoy. 2,180,178; Nov. 14.
Cosmetic cabinet. W. P. Koeller. 2,180,151; Nov. 14.
Coupler for locomotives, Drop. H. A. Hoke. 2,179,789; Nov. 14.
Coupling: *See*—
Hose coupling. Universal shaft coupling.
Hydraulic coupling.
Coupling unit. A. Latham and A. Swan. 2,179,854; Nov. 14.
Cover: *See*—
Furniture slip cover.
Crate. R. H. Fletcher. 2,179,847; Nov. 14.
Crown sheet protection. C. G. Hawley. 2,179,741; Nov. 14.
Curler, Hair. R. M. McFadden. 2,179,751–2; Nov. 14.
Curler, Hair. F. Amico. 2,180,187; Nov. 14.
Curler, Hair. N. L. Solomon. 2,179,525; Nov. 14.
Current electric systems, Protection of alternating. P. H. Light. 2,180,156; Nov. 14.
Current rectifiers, Manufacture of alternating electric. A. L. Williams, L. E. Thompson, and R. H. Cubitt. 2,180,026; Nov. 14.
Current systems, Protection of alternating. J. Biermanns. 2,180,192; Nov. 14.
Curtain protector. G. B. Carey. 2,180,328; Nov. 14.
Cut-out, High potential. P. J. Kayatt. 2,179,935; Nov. 14.
Cutter: *See*—
Channel cutter.
Cutter for bobbin strippers, Yarn. E. A. Terrell. 2,179,804; Nov. 14.
Cutting device, Flying. K. W. Halliden. 2,180,202–3; Nov. 14.
Cutting device, Rotary. K. W. Halliden. 2,180,204; Nov. 14.
Cylinder assembly for gas systems, Single. J. R. Gerow and C. M. Francisco. 2,179,886; Nov. 14.
Damper, Automatic. J. F. Lawson. 2,179,940; Nov. 14.
Dating or numbering mechanism. M. J. Milmoe and C. J. Malhiot. 2,180,162; Nov. 14.
Dauber, Shoe polish. D. J. Beem. 2,179,735; Nov. 14.
Defect card receptacle. F. W. Hankins. 2,180,294; Nov. 14.
Deflecting device for well drilling tools. T. C. Strength. 2,179,567; Nov. 14.
Depth measuring apparatus. H. Kletz. 2,179,509; Nov. 14.
Detent mechanism. M. Birkigt. 2,179,914; Nov. 14.
Device for governing the fuel pump of a Diesel ram. P. Pfeiffer. 2,180,254; Nov. 14.
Device for posture study. I. R. Versoy. 2,180,181; Nov. 14.
Diagnostic instrument. H. R. Moulton. 2,180,015; Nov. 14.
Direction indicator for automobiles. J. Lane. 2,179,630; Nov. 14.
Direction indicator for vehicles. C. W. Hall. 2,179,889; Nov. 14.
Dishcloth and scraper, Convertible. M. M. Cohen. 2,179,614; Nov. 14.
Disk differential. D. S. de Lavaud. 2,179,923; Nov. 14.
Disk wheel. C. L. Eksergian. 2,179,656; Nov. 14.
Dispenser: *See*—
Insecticide dispenser. Liquid dispenser.
Dispensing apparatus. G. S. Rogers. 2,179,729; Nov. 14.
Dispensing device. W. E. Doughty. 2,179,688; Nov. 14.
Dispensing device. W. F. Grant. 2,180,004; Nov. 14.
Display device. H. S. Falkoff. 2,179,884; Nov. 14.
Display device. A. D. Park. 2,179,828; Nov. 14.
Display stand. J. F. Smith. 2,180,125; Nov. 14.
Distillation apparatus. K. C. D. Hickman. 2,180,053; Nov. 14.
Distillation apparatus, Vacuum. K. C. D. Hickman. 2,180,050; Nov. 14.
Distillation apparatus, Vacuum. K. C. D. Hickman and J. C. Hecker. 2,180,052; Nov. 14.
Distortion, Eliminating. A. Miller. 2,180,160; Nov. 14.
Door: *See*—
Partition door.
Door and brake interlock. H. O. Schjolin. 2,179,704; Nov. 14.
Door fastener. S. P. Hull. 2,180,306; Nov. 14.
Door locking mechanism. B. Walker. 2,180,024; Nov. 14.
Door operating mechanism, Coke-oven. R. Berg and R. W. Crist. 2,179,608; Nov. 14.
Door structure. A. A. Van Atta. 2,180,267; Nov. 14.
Double-acting air valve. M. M. McCracken. 2,179,750; Nov. 14.
Dresser for fishing lines and flies. W. H. Ford. 2,179,548; Nov. 14.
Drill bit. I. L. Earnheart. 2,179,689; Nov. 14.
Drill stems, Orienting. G. A. Smith. 2,179,832; Nov. 14.
Drilling and honing machinery. J. C. Carlton and A. C. Spangenberg. 2,180,289; Nov. 14.
Drive system for gas electric automobiles. M. Ernst and H. B. Holthouse. 2,179,546–7; Nov. 14.
Drum brake. C. F. Clements. 2,179,543; Nov. 14.
Duster. V. Santarelli and J. Giacobbe. 2,179,580; Nov. 14.
Dyes and the preparation thereof. B. Beilenson. 2,179,990; Nov. 14.
Dyestuffs and dyestuff intermediates of the anthraquinone series. D. P. Graham. 2,179,551; Nov. 14.
Dyestuffs and fiber dyed therewith, Water-insoluble azo. L. Laska, A. Zitscher, and R. Heil. 2,180,297; Nov. 14.
Dyestuffs and their manufacture, Disazo. A. Krebser. 2,180,246; Nov. 14.
Dyestuffs and their manufacture, Substantive polyazo. A. Krebser. 2,180,245; Nov. 14.
Dyestuffs of the anthraquinone series. D. P. Graham. 2,179,552; Nov. 14.
Dyestuffs of the methine series. W. Müller and C. Berres. 2,179,895; Nov. 14.
Dynamo-electric machinery. W. J. Oesterlein. 2,179,561; Nov. 14.
Ejector plant, Pneumatic. H. Bentley. 2,180,274; Nov. 14.
Electric appliance structure. H. A. Smith. 2,179,761; Nov. 14.
Electric attachment plug. M. Polis. 2,179,861; Nov. 14.
Electric boiler. E. M. Frankel and A. Pollak. 2,179,781; Nov. 14.
Electric circuit. F. F. Brand. 2,180,193; Nov. 14.
Electric contact. O. Leopold. 2,180,155; Nov. 14.
Electric generating system for aircraft and domestic service. W. B. Scott. 2,179,962; Nov. 14.
Electric lamp, Gas-filled. E. G. Dorgelo. 2,180,141; Nov. 14.
Electric lamp, Portable. I. Florman. 2,180,228; Nov. 14.
Electric power indicator. W. Ryan. 2,180,169; Nov. 14.
Electric power transmission. A. M. Taylor. 2,180,264; Nov. 14.
Electric receptacle. C. V. Dame. 2,180,197; Nov. 14.
Electric system. O. E. Wolff. 2,179,536; Nov. 14.
Electric welding, Resistance. A. J. Edge. 2,179,545; Nov. 14.
Electrical connector. C. H. Koehler. 2,179,636; Nov. 14.
Electrical measuring instrument. L. M. Pignolet. 2,179,952; Nov. 14.
Electrical method and apparatus for determining the characteristics of a geological formation traversed by a bore-hole. J. J. Jakosky. 2,179,593; Nov. 14.
Electrical outlet and plug. E. S. Schott. 2,180,020; Nov. 14.
Electrical switch. A. J. Bowie. 2,179,539; Nov. 14.
Electrical switch. C. A. Fox. 2,179,484; Nov. 14.
Electrical switch. F. J. McCluskey and C. A. Fox. 2,179,749; Nov. 14.
Electrical system. L. H. Von Ohlsen. 2,179,651; Nov. 14.
Electrically heated tool. L. N. Hampton and A. H. Shangle. 2,179,818; Nov. 14.
Electrician's guide. M. J. Gallagher. 2,179,658; Nov. 14.
Electrode release for arc lamps. F. C. Coates. 2,179,776; Nov. 14.
Electrode, Welding. G. Goldstein. 2,179,693; Nov. 14.
Electromagnet. W. C. Beach. 2,180,288; Nov. 14.
Electromagnetic device. L. Michaelis. 2,180,159; Nov. 14.
Electron multiplier. P. T. Farnsworth and R. L. Snyder. 2,179,996; Nov. 14.
Electron multipliers, Operating. P. T. Farnsworth. 2,180,279; Nov. 14.
Electron tube. A. Bouwers. 2,179,916; Nov. 14.
Emblem, Safety. H. W. Stephenson and T. H. Burton. 2,180,261; Nov. 14.
Engine: *See*—
Combustion engine. Sleeve valve engine.
Internal combustion engine.
Engine plant, Internal combustion. H. Heinzelmann. 2,179,628; Nov. 14.
Ethylene from a gaseous mixture, Method and apparatus for separating. W. L. De Baufre. 2,180,200; Nov. 14.
Exerciser, Abdominal. Y. Uchiumi. 2,179,908; Nov. 14.
Fabrics, Producing ringless knitted. C. D. Gallagher. 2,179,785; Nov. 14.
Fastener: *See*—
Door fastener. Separable fastener.
Fastening device. G. A. Tinnerman. 2,180,266; Nov. 14.
Faucet connection. S. L. Weiss. 2,179,654; Nov. 14.
Feeder: *See*—
Butter feeder.
Feed mechanism, Intermittent. A. G. Hillman. 2,179,630; Nov. 14.
Felt, Paper maker's drier. T. Hindle and S. Lord. 2,180,054; Nov. 14.
Ferrous alloy. W. E. Jominy. 2,179,695; Nov. 14.
Film holder. F. C. Martin. 2,180,010; Nov. 14.
Filter: *See*—
Oil filter.
Finder. P. Heinisch. 2,180,236; Nov. 14.
Finger signal. M. L. Davis. 2,179,777; Nov. 14.
Fish lure, Artificial. J. L. Layfield. 2,179,641; Nov. 14.
Fish-ribbing machine and method. W. H. Hunt. 2,179,821; Nov. 14.
Fish treating machine and method. R. Baader. 2,180,303; Nov. 14.
Fishing pole appliance. J. E. Monighan. 2,179,578; Nov. 14.

Fishing reel. W. L. Adams. 2,179,972; Nov. 14.
Fishing reel. O. and A. Kovalovsky. 2,180,321; Nov. 14.
Fishing rod. J. F. Maxwell. 2,180,323; Nov. 14.
Fishing tackle. E. L. Dietrich. 2,179,878; Nov. 14.
Fitting, Entrance. G. C. Thomas, Jr. and C. A. Badeau. 2,180,096; Nov. 14.
Flame projection from incandescent gas discharge conduits, Means for checking. J. Malczewski. 2,179,894; Nov. 14.
Flaring tool. L. C. Cattoi. 2,180,033; Nov. 14.
Flashlight attachment for cameras. J. Carroll. 2,180,276; Nov. 14.
Flatting agent and uses therefor. C. G. Harford. 2,180,145; Nov. 14.
Float, Adjustable margin. N. Sassano. 2,179,563; Nov. 14.
Floor-sanding machine. C. H. Driver. 2,180,039; Nov. 14.
Flotation machine. A. H. Garrett. 2,179,622; Nov. 14.
Fluid brake. H. J. M. Burdick. 2,179,540; Nov. 14.
Fluid moving machine. H. E. Kip. 2,179,824; Nov. 14.
Flyleaf construction for ring binders. J. Schade. 2,179,757; Nov. 14.
Food product package. J. V. A. Hasbrook. 2,179,504; Nov. 14.
Food product, Producing a bacon rind. G. A. Darrow. 2,179,616; Nov. 14.
Form and reinforced concrete construction, Internal. H. M. Hadley. 2,179,554; Nov. 14.
Fracture setting appliance. F. W. McCall and E. M. Sheets. 2,180,251; Nov. 14.
Frame: *See*—
Picture frame.
Frame for textile fibers, Drawing. E. Toenniessen. 2,180,325; Nov. 14.
Fruit, Coloring. L. Longfield-Smith. 2,179,762; Nov. 14.
Fruit handling machine. F. Stebler. 2,179,868; Nov. 14.
Fruit picking device. R. W. Vote. 2,180,077; Nov. 14.
Fuel control means for oil burners, Fluid. L. L. Finnigan. 2,179,846; Nov. 14.
Fuel, Method of and apparatus for burning low-volatile. L. W. Corbett. 2,180,196; Nov. 14.
Fuel production, Motor. G. Armistead, Jr. 2,179,989; Nov. 14.
Fuel pump. C. F. High. 2,180,109; Nov. 14.
Furnace. G. R. McDermott. 2,180,089; Nov. 14.
Furnace and operation, Glass. S. A. Forter. 2,179,848; Nov. 14.
Furniture slip cover. P. Truhlтz. 2,179,805; Nov. 14.
Fuse. W. O. Schultz. 2,179,759; Nov. 14.
Fuseheads such as are used, for example, in blasting detonators, Manufacture of electric. W. Taylor and C. R. L. Hall. 2,180,129; Nov. 14.
Game apparatus. A. R. Babcock. 2,180,029; Nov. 14.
Game apparatus. F. R. Chester. 2,180,329; Nov. 14.
Game apparatus, Board. A. H. Hall. 2,180,049; Nov. 14.
Game, Indoor golf. B. A. Kaplan. 2,179,891; June 14.
Game, Mechanical. B. F. Smith. 2,180,123; Nov. 14.
Garment. C. F. Trageser. 2,179,675; Nov. 14.
Garment, Body supporting. R. M. Kapinas. 2,180,111; Nov. 14.
Garment hanger. J. S. Milburn. 2,180,252; Nov. 14.
Garment hanger. A. B. Tammen. 2,180,263; Nov. 14.
Garment, Protective athletic. B. R. Holder. 2,179,631; Nov. 14.
Gas analyzer. P. T. and C. A. Sprague, and A. Soller. 2,179,867; Nov. 14.
Gas from organic liquids, Removal of. K. C. D. Hickman. 2,180,051; Nov. 14.
Gas material, Method and apparatus for dispensing. W. F. Mesinger. 2,180,090; Nov. 14.
Gas producer. H. Koppers. 2,179,637-8; Nov. 14.
Gas shipping tank. C. O. Booth. 2,179,682; Nov. 14.
Gas stove burner. G. and H. Petersen. 2,179,951; Nov. 14.
Gaseous discharge device. C. G. Smith. 2,179,601; Nov. 14.
Gaseous discharge device, Electrical. C. G. Smith. 2,179,673; Nov. 14.
Gauge: *See*—
Strain gauge.
Gauge. R. O. Boehnke. 2,179,538; Nov. 14.
Gauge for channeling machines, Edge. W. R. Bolton. 2,179,490; Nov. 14.
Gear: *See*—
Change-speed gear. Locomotive running gear.
Gear abutment eliminator. G. R. Feigel. 2,180,290; Nov. 14.
Gear shifting mechanism for motor vehicles. H. W. Hey. 2,180,330; Nov. 14.
Gear wheel. A. R. Thompson. 2,179,967; Nov. 14.
Geared driving arrangement. W. Lenz. 2,180,154; Nov. 14.
Gearing, Change-speed transmission. C. D. Peterson. 2,180,019; Nov. 14.
Gearshift mechanism. R. P. Breese. 2,179,710; Nov. 14.
Generator: *See*—
Constant voltage generator. Water-gas generator.
Stabilized oscillation generator.
Generator arrangement, Gas turbine driven. S. R. Puffer. 2,180,168; Nov. 14.
Generators, Control of parallel operation of. F. W. Godsey, Jr. 2,179,623; Nov. 14.
Glass grinding tool. J. H. Griffin. 2,179,740; Nov. 14.
Golf stance indicator. G. E. Richards. 2,180,170; Nov. 14.
Governor, Compound compensated. A. F. Meyer. 2,179,559; Nov. 14.
Governor, Load limiting. K. O. Keel and C. H. Fike. 2,179,696; Nov. 14.
Gravity, Apparatus for determining. A. R. Lindblad. 2,179,892; Nov. 14.
Grinding machine. F. R. Swanson. 2,179,869; Nov. 14.
Ground detector. R. W. Smith. 2,179,901; Nov. 14.
Grounding device. W. D. Hamer. 2,179,720; Nov. 14.
Guard, Road. R. R. Roemer. 2,180,286; Nov. 14.
Gun, Trapper's spring. I. A. Stephens. 2,179,647; Nov. 14.
Gyroscope. J. Fleux. 2,180,043; Nov. 14.
Gyroscope, Temperature compensated. M. F. Bates. 2,180,136; Nov. 14.
Gyroscopes, Resetting device for directional. L. F. Carter. 2,180,221; Nov. 14.
Halide compositions, Polyvinyl. C. H. Alexander. 2,179,973; Nov. 14.
Ham package and making same. C. H. Vogt. 2,179,676; Nov. 14.
Hammer, Internal combustion. C. L. Charles. 2,180,034; Nov. 14.
Handle: *See*—
Control handle.
Handle construction, Food mixer. W. B. Kochner. 2,179,745; Nov. 14.
Hanger: *See*—
Garment hanger.
Hanger and stuffing box support, Adjustable tubing. B. F. Conaghan. 2,179,814; Nov. 14.
Hard facing alloy. A. J. Eller. 2,179,716; Nov. 14.
Harmonica. C. J. Davies. 2,179,993; Nov. 14.
Harvester, Sugarcane. H. Bourg, Sr. 2,179,584; Nov. 14.
Header and manifold. L. P. Saunders and W. O. Emmons. 2,179,703; Nov. 14.
Heat-responsive switch. V. Weber. 2,180,025; Nov. 14.
Heat saver. W. Baro. 2,180,190; Nov. 14.
Heat treating, Apparatus for. F. S. Denneen, W. C. Dunn, and C. N. Mitchell. 2,180,038; Nov. 14.
Heater: *See*—
Water heater.
Heating and humidifying system. S. M. Anderson and R. T. Palmer. 2,179,873; Nov. 14.
Heating unit, Electric. R. I. Jones. 2,179,934; Nov. 14.
Hexamethylene tetramine salts of aromatic acids. M. D. Edelman and E. T. Tisza. 2,179,618; Nov. 14.
Hides, Preparing. O. Röhm. 2,179,899; Nov. 14.
Hinge. M. B. Harris. 2,179,931; Nov. 14.
Hitch device. H. H. Rollins. 2,180,257; Nov. 14.
Hitch, Trailer. P. M. Bastuscheck. 2,180,272; Nov. 14.
Hitch, Trailer. W. Rawnsley. 2,179,955; Nov. 14.
Holder: *See*—
Arm holder. Film holder.
Chalk holder. Tie holder.
Check pad holder. Work holder.
Holding and releasing mechanism for hand brakes. F. J. Stolpe. 2,179,674; Nov. 14.
Hood for water heaters or the like, Draft. C. H. Morrow. 2,180,212; Nov. 14.
Hose clamp. D. Arras. 2,180,271; Nov. 14.
Hose coupling. G. P. Harrington. 2,179,930; Nov. 14.
Hose washing machine. K. G. Sedgwick. 2,179,831; Nov. 14.
Hosiery, Elastic top for. W. Larkin. 2,180,247; Nov. 14.
Hub construction for a film spool. S. M. Tucker. 2,180,023; Nov. 14.
Hull of flying or motors boats. A. O. Mattocks. 2,180,250; Nov. 14.
Hydraulic coupling. I. C. Popper. 2,179,519; Nov. 14.
Hydraulic drilling jack. J. C. Mason. 2,179,557; Nov. 14.
Hydrocarbons, Production of liquid. M. Pier. 2,179,829; Nov. 14.
Indicating device for tail lamps and the like. R. C. Lappin. 2,179,792; Nov. 14.
Indicator: *See*—
Electric power indicator. Golf stance indicator.
Insect exterminator. L. S. Webb. 2,179,766; Nov. 14.
Insecticide dispenser. R. B. Loibl, Jr. 2,180,199; Nov. 14.
Insulated structure and making the same. E. Claxton, C. C. Schrader, and H. G. Swarr. 2,179,542; Nov. 14.
Internal combustion engine. C. Brebeck. 2,179,683; Nov. 14.
Internal combustion engine. A. F. Brecht. 2,179,709; Nov. 14.
Internal combustion engine. R. K. Lee. 2,179,938; Nov. 14.
Iron. B. A. Kaplan. 2,179,890; Nov. 14.
Ironing cord support. P. W. Rom. 2,179,701; Nov. 14.
Jack: *See*—
Hydraulic drilling jack. Lifting jack.
Jack sinker. G. H. Green. 2,179,888; Nov. 14.
Jar cap tool. W. W. Harding. 2,180,235; Nov. 14.
Jar, Hydraulic well. C. H. Collett. 2,180,223; Nov. 14.
Joint or support, Elastic. R. Schroedter. 2,179,959; Nov. 14.
Joint structure, Expansion. W. F. Wilmoth. 2,179,911; Nov. 14.

Ketones, Manufacturing. C. M. Beamer. 2,179,488; Nov. 14.
Keyboard perforator and counter. L. R. Cook and M. T. Goetz. 2,179,493; Nov. 14.
Key ring construction. A. O. Schoeninger. 2,179,524; Nov. 14.
Kiln, Tunnel. J. J. Durieux. 2,180,041; Nov. 14.
Kit, Toilet. W. S. Eaton. 2,180,226; Nov. 14.
Knee joint protector. L. M. Spears. 2,179,903; Nov. 14.
Knife, Power operated. C. E. Kosterman. 2,180,244; Nov. 14.
Label and pouring spout, Combined detachable. P. N. Gardner. 2,180,045; Nov. 14.
Lagging clutch. R. Thomas. 2,180,217; Nov. 14.
Lamp: *See*—
Arc lamp. Electric lamp.
Latch construction, Door. W. R. Schlage. 2,179,958; Nov. 14.
Laundry machine. F. Dewhurst. 2,180,225; Nov. 14.
Laundry machines and the like, Controlling the timing and sequence of operations in. W. G. Cleghorn. 2,180,035; Nov. 14.
Length, Method of and apparatus for measuring small changes in. J. Sivertsen. 2,180,175; Nov. 14.
Lens mount adapter. O. Wittel. 2,180,027; Nov. 14.
Lens, Ophthalmic. A. E. Glancy and L. L. Gagnon. 2,180,003; Nov. 14.
Lifter: *See*—
Sheet lifter.
Lifting jack. M. B. Lucker. 2,179,577; Nov. 14.
Lifting mechanism. J. J. Mizer. 2,179,948; Nov. 14.
Light for Christmas trees and the like, Decorative. E. P. Seghers. 2,180,121; Nov. 14.
Lighter, Cigarette. A. J. Eller. 2,179,716; Nov. 14.
Lighter, Electric cigar. J. Sinko. 2,180,069; Nov. 14.
Link for tire chains, Tread. P. M. Hall. 2,180,098; Nov. 14.
Link reinforcement, Forming a. E. A. Conner and W. E. Myers. 2,180,100; Nov. 14.
Liquid dispenser. O. G. Dennison. 2,179,588; Nov. 14.
Liquid fuel burner. W. G. Walling. 2,180,183; Nov. 14.
Liquid treating plant. H. G. Mojonnier. 2,179,949; Nov. 14.
Liquids having relatively high boiling points, Distillation of. K. Sondermann. 2,179,833; Nov. 14.
Litter and animal bedding, Poultry. W. Godchaux. 2,179,591; Nov. 14.
Load carrier. D. S. Casley. 2,180,032; Nov. 14.
Loaf transfer. C. H. Petskeyes. 2,179,798; Nov. 14.
Lock: *See*—
Window lock.
Lock. S. Miller. 2,179,947; Nov. 14.
Lock washer. R. T. Hosking. 2,179,575; Nov. 14.
Locking device. A. H. Lipsis. 2,180,117; Nov. 14.
Locomotive running gear. T. V. Buckwalter. 2,180,316; Nov. 14.
Loudspeaker arrangement. G. Bucky. 2,179,840; Nov. 14.
Lubricating apparatus. P. Fletcher. 2,179,621; Nov. 14.
Lubricating distillates, Manufacture of low pour test. H. G. Smith. 2,180,070; Nov. 14.
Lubrication. J. Bijur. 2,179,489; Nov. 14.
Machine for bank-winding electrical coils. F. N. Jacob. 2,180,208; Nov. 14.
Machine for cleaning corrugated plates or molds. C. C. Spadone. 2,179,963; Nov. 14.
Machine for handling sheet material. O. E. Wolff. 2,179,535; Nov. 14.
Machine for separating, counting, delivering, wrapping, and addressing sheet material. O. E. Wolff. 2,179,534; Nov. 14.
Machine for shaping forms from fabric materials. H. B. Fuchs. 2,179,692; Nov. 14.
Machine for splitting fibers. L. Bayer. 2,180,273; Nov. 14.
Machine for use in manufacturing boots and shoes. R. E. Duplessis. 2,180,277; Nov. 14.
Machine for winding duolateral electrical coils. F. N. Jacob. 2,180,207; Nov. 14.
Magnetic substance, Finely divided. R. Brill and K. Schoenemann. 2,179,810; Nov. 14.
Mail box. R. H. Bess. 2,179,913; Nov. 14.
Manicure accessory. A. G. Dana. 2,179,922; Nov. 14.
Map mounting means for automobiles, Road. W. G. Hardt. 2,180,146; Nov. 14.
Marker and applying the same, Road. F. J. Farrell. 2,180,105; Nov. 14.
Mask. L. E. Snodgrass. 2,180,216; Nov. 14.
Material in particular for electrical purposes and shaped bodies made therefrom, Agglomerated. P. Schwarzkopf. 2,179,960; Nov. 14.
Material, Separating particles of solid. R. S. Ellis. 2,180,278; Nov. 14.
Material spreader. F. E. Currivan and C. W. Brown. 2,179,483; Nov. 14.
Materials, Apparatus for treating moldable. R. E. Thompson. 2,179,968; Nov. 14.
Materials, Production of artificial. W. A. Dickie and P. F. C. Sowter. 2,179,544; Nov. 14.
Measuring device. H. M. Jones. 2,180,057; Nov. 14.
Meat, Method for pickling. A. Nietiedt. 2,180,165; Nov. 14.
Medicinal supplement and method of making. H. Brinton. 2,179,917; Nov. 14.
Melamine, Preparing. D. W. Jayne, Jr. 2,180,295; Nov. 14.
Mercury arc rectifier. C. W. Hansell. 2,179,929; Nov. 14.
Metal casting. A. W. Morris. 2,179,513; Nov. 14.
Metal decking. C. F. Davis. 2,180,317; Nov. 14.
Metal scoring machinery. I. Newman. 2,179,755; Nov. 14.
Metal sulphhydryl compounds from keratin degradation products, Preparing. E. Sturm and R. Fleischmann. 2,180,262; Nov. 14.
Metallic alloy. C. H. Bell, L. S. Deitz, Jr., and A. I. Stein. 2,180,137; Nov. 14.
Metallic structure. J. B. Hunter. 2,179,820; Nov. 14.
Metals, Production of alkaline earth. F. R. Kemmer. 2,179,823; Nov. 14.
Metals, Purification of. L. S. Deitz, Jr. 2,180,139; Nov. 14.
Meter: *See*—
Parking meter.
Metering device. H. W. Dietert. 2,179,687; Nov. 14.
Methanol and acetone mixtures, Separation of. A. G. Bright and W. E. Fisher. 2,179,991; Nov. 14.
Microphone. G. W. Sutton. 2,179,733; Nov. 14.
Mill: *See*—
Tube rolling mill.
Mill or the like, Rubber. C. F. Schnuck. 2,179,961; Nov. 14.
Mine car. H. E. Abkowitz. 2,179,679; Nov. 14.
Mixtures, Uniform packaging of. A. C. Avril. 2,179,485; Nov. 14.
Molded body of synthetic resin containing photographic designs. W. D. Ford. 2,180,002; Nov. 14.
Monitor cleaner. C. S. Easley. 2,179,976; Nov. 14.
Motor: *See*—
Air-cooled bicycle motor. Positional control motor.
Motor control. C. W. Burcky and R. E. Zenner. 2,179,712; Nov. 14.
Motor control. H. E. Young. 2,179,569; Nov. 14.
Motor boat driving mechanism. H. V. M. Hall. 2,179,626; Nov. 14.
Musical instrument. V. H. Severy. 2,180,122; Nov. 14.
Musical instrument. Z. Swanson. 2,180,130; Nov. 14.
Navigational instrument. F. M. Trapnell. 2,179,531; Nov. 14.
Necktie rack. S. C. Waite. 2,179,677; Nov. 14.
Needle-threading device. L. H. Surbeck. 2,179,834; Nov. 14.
Nozzle, Draft arm. M. J. Brown. 2,179,611; Nov. 14.
Nozzle, Spray. C. L. Gebauer. 2,180,084; Nov. 14.
Nut or screw setting attachment for electric tools. H. H. Kuehne. 2,179,724; Nov. 14.
Oil filter. C. E. Prudden. 2,179,784; Nov. 14.
Oil, Lubricating. B. H. Lincoln, W. L. Steiner, and A. Hendriksen. 2,180,008; Nov. 14.
Oil well pump. C. T. McCoy and D. M. Hammett. 2,180,158; Nov. 14.
Oil with mixed solvents, Refining of hydrocarbon. J. W. Weir. 2,179,909; Nov. 14.
Oils, Purification of hardwood. L. J. Figg, Jr. 2,180,001; Nov. 14.
Oils, Removing gum-forming and color-imparting bodies from cracked unsaturated hydrocarbon. R. C. Osterstrom. 2,180,324; Nov. 14.
1-hydroxybenzothiazole, Preparation of. E. M. Van Duzee. 2,179,987; Nov. 14.
Optical system employing polarized light. E. H. Land. 2,180,114; Nov. 14.
Optical system for measuring changes in magnification. A. E. Glancy. 2,179,850; Nov. 14.
Oven, Elevatable stove. H. W. Miller. 2,180,161; Nov. 14.
Package and article carrier. S. Erlanger and D. E. Anderson. 2,179,844; Nov. 14.
Package for attachment to shower nozzles. I. M. Hartman. 2,179,932; Nov. 14.
Panels, Insulating. E. O. Groskopf. 2,180,305; Nov. 14
Paper, Cigarette. E. C. Pitman. 2,179,953; Nov. 14.
Paper roll cutting machine, Jacquard card and verdol. N. Jones. 2,180,058; Nov. 14.
Paper stock, Apparatus for refining. E. Cowles. 2,180,080; Nov. 14.
Parachute assemblage. S. Switlik. 2,180,182; Nov. 14.
Parachute rip cord receding cone. G. A. Jahant. 2,179,506; Nov. 14.
Parking meter. R. B. Campbell. 2,179,613; Nov. 14.
Partition door. M. L. Jones. 2,180,112; Nov. 14.
Patterning mechanism for knitting machines. T. C. Bromley and A. Shortland. 2,179,711; Nov. 14.
Pear preparation machine. A. R. Thompson. 2,179,529; Nov. 14.
Pen, Writing. W. G. A. McKay. 2,179,727; Nov. 14.
Pencil, Eraser tipped. H. Zoll. 2,180,132; Nov. 14.
Pencil, Mechanical. L. J. Most. 2,179,950; Nov. 14.
Pencil, Step-by-step lead. H. A. Ward. 2,179,835; Nov. 14.
Perspiration accelerator. E. E. Henderson and D. O. Meeker. 2,180,280; Nov. 14.
Photographic apparatus. J. E. Burks. 2,180,194; Nov. 14.
Photographic apparatus. J. Mihalyi. 2,180,013; Nov. 14.
Photographic copying and projection apparatus. R. S. Hopkins. 2,180,007; Nov. 14.
Photographic developer. L. C. Jones, R. B. Barnes, and G. P. Ham. 2,179,790; Nov. 14.

Photographic reproduction apparatus. J. J. Dilks, Jr. 2,179,617; Nov. 14.
Pieryl fluoride and making the same. L. G. Wesson. 2,179,605; Nov. 14.
Picture and calendar, Combined. F. Lowenthal. 2,179,857; Nov. 14.
Picture frame. L. L. McKeown. 2,179,699; Nov. 14.
Picture reproducing apparatus, Sound motion. R. S. Morse. 2,180,014; Nov. 14.
Piepan. N. C. McBirney. 2,179,512; Nov. 14.
Pigment mixing apparatus. D. A. Wallace. 2,179,970; Nov. 14.
Pipe: *See*—
Concrete pipe. Tobacco pipe.
Pipe, Performing. J. W. Hughes, R. C. Hopkins, and F. L. Odenbreit. 2,180,331; Nov. 14.
Piston ring. A. C. Richards. 2,179,670; Nov. 14.
Pitot-static tube. W. S. Diehl. 2,179,500; Nov. 14.
Plaque. J. V. Cavalero. 2,180,195; Nov. 14.
Plate, Zinc engraving. W. H. Finkeldey. 2,180,293; Nov. 14.
Plow. C. G. Strandlund. 2,179,526; Nov. 14.
Plow. C. G. Strandlund. 2,179,528; Nov. 14.
Plow, Rotary snow. D. G. Chase. 2,179,713; Nov. 14.
Plows and the like, Constructing. C. G. Strandlund. 2,179,527; Nov. 14.
Plug: *See*—
Electric attachment plug. Spark plug.
Plug for use in cementing wells. R. M. Calkins. 2,179,812; Nov. 14.
Pneumatic fender tool. R. J. Champayne. 2,179,992; Nov. 14.
Polychlorophenol product, Composite. K. R. Fox, E. C. Ilyry, and I. Hatfield. 2,180,142; Nov. 14.
Polymerization products from butadiene or its substitution products and solid polymerized isobutylene. M. Mueller-Cunradi and W. Daniel. 2,180,082; Nov. 14.
Positional control motor. F. S. Hodgman. 2,180,205; Nov. 14.
Power station, Wind-operated electrical. H. Honnef. 2,180,206; Nov. 14.
Power transmission. R. E. Cassidy. 2,179,841; Nov. 14.
Power transmitting device and clutch therefor. O. E. Fishburn. 2,179,927; Nov. 14.
Power unit. A. Brunner. 2,180,138; Nov. 14.
Power-unit and base frame for washing machines. W. Bones. 2,179,876; Nov. 14.
Preselector, Mechanical. E. J. Mastney. 2,179,748; Nov. 14.
Press: *See*—
Printing press.
Pressing and ironing machine. G. C. Engbrecht and A. J. and A. M. Olsen. 2,180,103; Nov. 14.
Printing machine. F. R. Bartholomew. 2,180,135; Nov. 14.
Printing press, Universal graphic. G. László. 2,179,746; Nov. 14.
Projection apparatus, Optical. F. E. Carlson. 2,180,031; Nov. 14.
Projection apparatus, Optical. A. C. Phillips. 2,179,799; Nov. 14.
Propellers, Control means for aeronautical. F. W. Caldwell and H. C. Nissen. 2,179,492; Nov. 2.
Protective device. D. T. May. 2,179,826; Nov. 14.
Protective system. H. R. Sills and D. V. Canning. 2,180,174; Nov. 14.
Protector: *See*—
Curtain protector. Knee joint protector.
Pulley for rope drives, Grooved. T. H. O'Brien. 2,180,065; Nov. 14.
Pulsometer gas anchor and operating. C. J. Coberly. 2,179,482; Nov. 14.
Pump: *See*—
Fuel pump. Reciprocating pump.
Oil well pump. Rotary pump.
Pump. E. W. Dilg. 2,179,925; Nov. 14.
Pump. E. J. Rathman. 2,179,730; Nov. 14.
Pump inlet means. C. J. Coberly. 2,179,481; Nov. 14.
Pump plunger. E. S. Huntsman. 2,180,240; Nov. 14.
Push-off for sweep rakes. A. L. Fry. 2,179,549; Nov. 14.
Rack: *See*—
Necktie rack.
Radiator header. L. P. Saunders. 2,179,702; Nov. 14.
Radio service system, Wired. H. R. Butler. 2,179,612; Nov. 14.
Radio tube tester. M. Stark and F. Sutton. 2,179,565; Nov. 14.
Rail bond. E. M. Deems. 2,180,318; Nov. 14.
Rail spacing apparatus. E. B. Stout. 2,180,075; Nov. 14.
Rails, Method and apparatus for straightening. J. T. Loftus. 2,180,157; Nov. 14.
Railway brake. A. H. Oelkers. 2,180,092; Nov. 14.
Railway vehicle. W. Van Der Sluys. 2,179,969; Nov. 14.
Rake cleaner. L. B. Miller. 2,179,946; Nov. 14.
Rake, Reversible road. A. B. Wilson. 2,179,583; Nov. 14.
Range and view finder, Combination. E. S. Hineline. 2,179,851; Nov. 14.
Receptacle: *See*—
Defect card receptacle. Electric receptacle.
Receptacle. H. E. Graham. 2,179,624; Nov. 14.
Reciprocating pump. C. W. Stancliffe. 2,180,128; Nov. 14.
Record bag, Industrial insurance. A. Bauch. 2,180,191; 14.
Recorder. E. A. Link, Jr. 2,179,663; Nov. 14.
Reed, Pitch band. W. H. Fish. 2,180,201; Nov. 14.
Reel: *See*—
Fishing reel. Winding reel.
Reflecting device. C. A. Persons. 2,180,093; Nov. 14.
Reflector. R. I. Johns. 2,179,660; Nov. 14.
Reflector, Deterioration resistant. J. R. Cain. 2,179,491; Nov. 14.
Refractory, Zirconia zircon silicon. J. D. Morgan. 2,179,982; Nov. 14.
Refrigerating apparatus. K. W. Henderson. 2,180,237; Nov. 14.
Refrigeration system. W. R. Miller. 2,179,700; Nov. 14.
Refrigerator. H. J. Smith. 2,180,071; Nov. 14.
Refrigerator. T. Ternstrom. 2,180,177; Nov. 14.
Refrigerator car. C. D. Bonsall. 2,179,681; Nov. 14.
Refrigerator control switch. E. C. Raney. 2,179,599; Nov. 14.
Regulator circuit. S. Minneci. 2,180,164; Nov. 14.
Relay. C. M. Barnes. 2,179,486; Nov. 14.
Relay. E. Lakatos. 2,179,640; Nov. 14.
Release for rock drills, Rotation. M. O'Farrell. 2,179,643; Nov. 14.
Resistor. E. R. Stoekle. 2,179,566; Nov. 14.
Reverse current switch, Automatic. J. M. Loy. 2,179,794; Nov. 14.
Rheostat and switch, Combined. J. H. Cohen. 2,179,686; Nov. 14.
Ridge leveling attachment for tractor cultivators. L. M. Lewison. 2,179,793; Nov. 14.
Rifle telescope sight. W. R. Weaver. 2,180,184; Nov. 14.
Ring: *See*—
Piston ring.
Rivet setting machine. F. L. Sheane. 2,179,900; Nov. 14.
Road cleaning device. C. Wisher. 2,180,269; Nov. 14.
Rod: *See*—
Fishing rod.
Roll forming-machine, Turret type. J. R. Freeze. 2,179,849; Nov. 14.
Roller seal construction, Track. D. B. Baker, C. R. Rogers, and W. O. Bechman. 2,180,134; Nov. 14.
Roller skate brake. T. R. Goettle. 2,179,592; Nov. 14.
Roller, Track. D. B. Baker and C. R. Rogers. 2,179,875; Nov. 14.
Roller, Track. N. O. Panzegrau and S. T. Hoener. 2,179,860; Nov. 14.
Rope clamp. W. E. Patrick. 2,179,516; Nov. 14.
Rotary pump. D. Murphy. 2,179,858; Nov. 14.
Rubber and products thereof, Treatment of chlorinated. H. Michaelis, Jr. 2,179,980; Nov. 14.
Rubber, Apparatus for molding sponge. H. R. Minor. 2,180,304; Nov. 14.
Rubberlike polymerization products from vinyl carbazole and solid polymerized isobutylene. M. Mueller-Cunradi and W. Daniel. 2,180,083; Nov. 14.
Safety device, Automatic. W. E. Jenkins. 2,179,633; Nov. 14.
Safety device for wringers on washing machines. J. A. Hoke. 2,180,238; Nov. 14.
Saliva ejector, Dentist's. J. M. Lempert. 2,180,249; Nov. 14.
Sample carrier. R. Weinlich. 2,179,768; Nov. 14.
Sanding drum. C. H. Driver. 2,180,040; Nov. 14.
Sawing and abranding machine, Convertible. L. A. Wilkie. 2,180,079; Nov. 14.
Scaler, Fish. A. J. Schlueter. 2,179,758; Nov. 14.
Scissors holding device. J. F. Lesko. 2,179,725; Nov. 14.
Scooter. W. G. Fletcher. 2,180,143; Nov. 14.
Scraper, Carrying. J. S. Walch. 2,179,532; Nov. 14.
Screen: *See*—
Translucent screen.
Sea water processing plant, Self-energizing. A. E. Zoppa. 2,179,537; Nov. 14.
Sealing strip remover, Bottle stopper. A. B. Dodge. 2,179,880; Nov. 14.
Seed and material distributor attachment to trucks. L. R. Frank. 2,180,044; Nov. 14.
Seeds and the growth of seedlings, Apparatus for the germination of. H. H. B. Lund. 2,179,642; Nov. 14.
Separable fastener. B. Pruzan. 2,180,167; Nov. 14.
Sewing and mending machine. A. C. Wieck. 2,179,770; Nov. 14.
Sewing machine. H. Hacklander and G. Sauer. 2,180,319; Nov. 14.
Sewing machine feeding mechanism. A. H. De Voe. 2,179,924; Nov. 14.
Sewing machines, Tufting mechanism for. L. A. Smith. 2,180,073; Nov. 14.
Shade, Window. H. Smolowitz. 2,179,763; Nov. 14.
Shaker, Salt. S. S. Tsuruta. 2,179,907; Nov. 14.
Sharpening device. S. T. Freeth. 2,180,230; Nov. 14.
Sheet lifter. C. D. Trussell. 2,179,986; Nov. 14.
Sheet material, Method of and apparatus for forming. A. E. Collins. 2,179,842; Nov. 14.
Shingle, Roofing. A. W. Fuller. 2,179,738; Nov. 14.
Shipping box. S. A. Frakes. 2,180,229; Nov. 14.
Shoe. N. Swartz. 2,180,076; Nov. 14.

Shoe attachment, Golf. R. A. Lyne. 2,179,942; Nov. 14.
Shutter, Automatic photographic. N. V. Fedotoff. 2,179,717; Nov. 14.
Shutter setting and film winding mechanism. O. Wittel. 2,180,028; Nov. 14.
Sign construction, Reflecting. C. A. Persons. 2,180,166; Nov. 14.
Signal: *See*—
Finger signal.
Signal receiving system. G. L. Beers. 2,179,974; Nov. 14.
Silencer for flushing tanks. G. H. Myrick. 2,180,310; Nov. 14.
Skate and making same. A. Hirschman. 2,179,852; Nov. 14.
Skate, Roller. J. H. Lee, Jr., and R. L. Willis. 2,180,062; Nov. 14.
Skating surface, Synthetic. A. S. MacBride. 2,179,664; Nov. 14.
Slack adjuster. H. C. Smith. 2,179,564; Nov. 14.
Sleeve valve engine. M. J.-B. Barbarou. 2,179,706; Nov. 14.
Slicing machine, Multiple band blade. W. W. Hartman. 2,179,659; Nov. 14.
Sludges, Treatment of. D. M. Carr and W. S. Pilcher. 2,179,919; Nov. 14.
Slug feeding mechanism for tube extruding presses. G. W. Temple. 2,180,313; Nov. 14.
Smell elimination in rubber products. L. S. Cooper. 2,179,494; Nov. 14.
Soap cakes, Making. R. A. Jones. 2,179,853; Nov. 14.
Socket switch. J. L. Nemeth. 2,179,797; Nov. 14.
Sodium tetrasilicate, Manufacture of hydrated. W. F. Wegst and J. H. Wills. 2,179,806; Nov. 14.
Softening agent. L. B. Arnold, Jr. 2,180,133; Nov. 14.
Soling machine. A. Ehresmann and L. Streibel. 2,180,227; Nov. 14.
Sound box for dictating machines. J. E. Renholdt. 2,180,094; Nov. 14.
Sound record tablet. L. D. Norton and J. H. Horwath. 2,180,091; Nov. 14.
Sound recording. J. H. McLeod and F. M. E. Holmes. 2,180,011; Nov. 14.
Spacer element for typographical machines. A. G. Sperry. 2,180,302; Nov. 14.
Spark plug. J. P. Kletz. 2,180,242; Nov. 14.
Spark plug. C. Smith. 2,179,801; Nov. 14.
Spark plug construction. E. E. Bidwell. 2,179,609; Nov. 14.
Speed control for spring motor driven apparatus. G. Gunnarson. 2,180,005; Nov. 14.
Speed transmission device, Variable. D. Heyer. 2,179,933; Nov. 14.
Spool and container for sensitized film or paper. F. D. Clarke. 2,180,222; Nov. 14.
Spoon and plug, Harpoon. M. P. Palsson. 2,179,598; Nov. 14.
Spoon, Harpoon. M. P. Palsson. 2,179,597; Nov. 14.
Spot welding appliance. S. B. Davitow. 2,179,497; Nov. 14.
Spraying device. J. Fitch. 2,179,845; Nov. 14.
Spraying device. W. M. Vogel. 2,179,871; Nov. 14.
Sprinkler system. A. C. Rowley. 2,180,258; Nov. 14.
Sprocket, Film. L. S. Frappier and A. Kindelmann. 2,179,550; Nov. 14.
Stabilized oscillation generator. W. E. Kock. 2,179,791; Nov. 14.
Stamping machine. W. H. Davis. 2,180,037; Nov. 14.
Stand: *See*—
Display stand.
Sterols and producing the same, Valuable degradation products of. L. Strassberger and H. Jacobi. 2,180,095; Nov. 14.
Stock quotation system. J. I. Bellamy. 2,179,736; Nov. 14.
Stop and lock, Window. W. F. Gintz. 2,179,887; Nov. 14.
Stop motion for twisting machines. E. R. Duncklee and C. M. Sheldon. 2,179,498; Nov. 14.
Stopper and seal therefor, Bottle. A. B. Dodge. 2,179,879; Nov. 14.
Strain gauge. M. D. Stone. 2,180,176; Nov. 14.
Strap, Bracelet. C. M. Boler. 2,180,275; Nov. 14.
Stud, knob, or the like, Shelf supporting. G. A. Tinnerman. 2,179,603; Nov. 14.
Stud or the like, Shelf supporting. G. A. Tinnerman. 2,179,604; Nov. 14.
Suction and irrigation apparatus. J. J. Ettinger. 2,180,042; Nov. 14.
Suction cleaner construction. E. F. Martinet. 2,179,665; Nov. 14.
Suction mechanism. R. B. Sargent. 2,180,259; Nov. 14.
Support: *See*—
Ironing cord support.
Support, rack, or stand, Wire reel. F. O. Lewis. 2,179,825; Nov. 14.
Supporting means, Adjustable. A. L. Johnson. 2,180,210; Nov. 14.
Surgical pack. R. W. Stevens. 2,179,964; Nov. 14.
Surveying instrument. P. Morris. 2,179,514; Nov. 14.
Suspension means for picture frames. E. N. Kellogg. 2,180,211; Nov. 14.
Swatch. R. Weinlich. 2,179,767; Nov. 14.
Sweeper, Carpet. J. M. Kenyon. 2,180,060; Nov. 14.
Switch: *See*—
Electrical switch. Reverse current switch.
Heat responsive switch. Socket switch.
Refrigerator control switch
Switch. W. H. Frank. 2,179,737; Nov. 14.
Switch mechanism. C. Streck. 2,180,022; Nov. 14.
Syringe. A. O. McKinley. 2,180,063; Nov. 14.
Table: *See*—
Treating table.
Tank: *See*—
Aerating tank. Gas shipping tank.
Tank. E. A. Weiss. 2,180,185; Nov. 14.
Tank and connection, Hot water. O. E. Andrus. 2,179,476; Nov. 14.
Teeth, gum sections, and the like, Retention means for artificial. R. W. Erdle. 2,179,502; Nov. 14.
Telegraph systems, Regenerative repeater for. G. L. Erickson and P. E. Teter. 2,179,690; Nov. 14.
Telephone system. B. Kudrna. 2,179,723; Nov. 14.
Telephone system. W. H. Waite. 2,179,652; Nov. 14.
Temperature control device. L. L. Young. 2,179,838; Nov. 14.
Temperature responsive control mechanism. J. E. Brosseau. 2,179,811; Nov. 14.
Tetrazylazide and the salts thereof, Production of. W. Friederich and K. Flick. 2,179,783; Nov. 14.
Textile material, Finishing. H. I. Huey. 2,179,505; Nov. 14.
Textile treating. T. A. Printon. 2,180,256; Nov. 14.
Thermometer. C. R. Palmer. 2,180,284; Nov. 14.
Thermometer. W. M. Young. 2,179,773; Nov. 14.
Thermometer shaker. T. C. Brosnan. 2,179,839; Nov. 14.
Thiazoles having a hydrogen atom in the 2-position, Manufacture of. H. Spiegelberg. 2,179,984; Nov. 14.
Tie-back, Projecting. L. P. Wormley. 2,180,219; Nov. 14.
Tie holder. J. W. Devall. 2,180,224; Nov. 14.
Tie holder. F. Wienand. 2,179,771; Nov. 14.
Tilting mechanism for Venetian blinds. J. Nisenson. 2,180,311; Nov. 14.
Timer for toasters, Electric. J. Geier. 2,180,232; Nov. 14.
Timing control for pneumatically operated switches. C. H. Rippl. 2,180,171; Nov. 14.
Tire chain. O. W. Nesbitt. 2,179,983; Nov. 14.
Tire chain, Reinforced antiskid. E. A. Conner and W. E. Myers. 2,180,101; Nov. 14.
Tire chain, Reinforced antiskid. H. A. Delano. 2,180,102; Nov. 14.
Tire tool. J. F. Neville. 2,179,896; Nov. 14.
Tobacco cultivating implement. W. E. Knight, Jr. 2,180,150; Nov. 14.
Tobacco handling and preparing. R. E. Rundell. 2,179,644; Nov. 14.
Tobacco pipe. J. F. Walton. 2,179,533; Nov. 14.
Tool: *See*—
Electrically heated tool. Tire tool.
Flaring tool. Valve grinding tool.
Glass grinding tool. Well tool.
Jar cap tool. Wire stripper hand tool.
Pneumatic fender tool.
Tool and holder therefor, Retractable. R. B. Criddle. 2,179,573; Nov. 14.
Tooth brush cabinet, Illuminating. F. W. Peake. 2,180,213; Nov. 14.
Totalizing system. O. C. Levy and A. J. Johnston. 2,179,698; Nov. 14.
Toy, Paper burster. O. A. Langos. 2,179,662; Nov. 14.
Tractor, Walking. H. F. Stock. 2,179,765; Nov. 14.
Trailer. C. J. Bock. 2,179,708; Nov. 14.
Trailer. A. D. Carpenter. 2,179,586; Nov. 14.
Transcribing apparatus. A. G. Previn. 2,180,255; Nov. 14.
Transferrer. W. E. Lundgren. 2,180,088; Nov. 14.
Transformer. F. McCurtain. 2,179,795; Nov. 14.
Translucent screen. E. H. Land. 2,180,113; Nov. 14.
Transmission control mechanism. R. Lapsley. 2,180,116; Nov. 14.
Transmission means, Diaphragm-actuated. L. M. Persons. 2,180,018; Nov. 14.
Transmission synchronizer. S. O. White. 2,179,568; Nov. 14.
Transporting and dumping vehicle. G. R. Dempster. 2,179,779; Nov. 14.
Transporting vehicle. G. R. Dempster. 2,179,778; Nov. 14.
Trend member for antiskid devices. H. A. Delano. 2,180,099; Nov. 14.
Treating table. J. V. McManis. 2,179,595; Nov. 14.
Trip mechanism for automatic weighers. J. B. Howe. 2,179,743; Nov. 14.
Triplicate indicating device. J. R. Goggins. 2,179,739; Nov. 14.
Truck, Electing. R. Lewis and F. M. Bodenhamer. 2,179,726; Nov. 14.
Truck, Three-way dump. J. H. Porter. 2,180,066; Nov. 14.
Truss. W. A. Westphal. 2,180,332; Nov. 14.
Tube: *See*—
Electron tube. Pitot-static tube.
Tube rolling mill. R. E. Brock. 2,179,918; Nov. 14.
Tubing or the like, Forming finned. A. J. Townsend and F. J. Bascombe. 2,179,530; Nov. 14.
Tuning control for radio receivers or the like. M. W. Kenney and A. A. Gedde. 2,179,576; Nov. 14.

Tuning device. C. Hultsch. 2,180,110; Nov. 14.
Turbine drive, Automatic. I. C. Popper. 2,179,520; Nov. 14.
Turbine for ship propulsion, Elastic fluid. J. H. Doran. 2,180,140; Nov. 14.
Turbines, Making. A. Lysholm. 2,179,556; Nov. 14.
Typewriting machine. E. L. Wise. 2,179,705; Nov. 14.
Universal head. C. Rapp. 2,180,214; Nov. 14.
Universal shaft coupling. J. J. Cuffiin. 2,179,921; Nov. 14.
Utensil, Broiler. S. Leibow. 2,179,939; Nov. 14.
Utensil, Pipe smoker's. J. H. Doncourt. 2,179,926; Nov. 14.
Vaccinator. T. K. Dorsett. 2,179,501; Nov. 14.
Valve: *See*—
Bottle filling machine Double acting air valve.
valve.
Valve. J. Ashworth. 2,180,188; Nov. 14.
Valve. E. A. Hansen. 2,180,320; Nov. 14.
Valve for hydraulic pumping systems, Float. B. Share. 2,180,173; Nov. 14.
Valve grinding tool. B. H. Davis. 2,179,714; Nov. 14.
Valve mechanism. R. D. Conklin. 2,179,815; Nov. 14.
Vanity case. W. T. Parkin. 2,179,669; Nov. 14.
Vehicle: *See*—
Railway vehicle. Transporting vehicle.
Vehicle. A. P. Berendsen. 2,179,477; Nov. 14.
Vehicle body. J. W. Rice. 2,179,600; Nov. 14.
Vending machine. I. A. Traversy. 2,180,326; Nov. 14.
Ventilator. P. Bernhardt. 2,179,707; Nov. 14.
Vessel, Welded pressure. F. K. Zerbe. 2,179,774; Nov. 14.
Vibrator. G. D. Alvord. 2,180,189; Nov. 14.
Vibrator, Centrifugal. J. Asmussen. 2,179,807; Nov. 14.
Vitamin D concentration. S. E. Miller. 2,179,560; Nov. 14.
Vulcanizing device, Electric. A. Hoving. 2,179,819; Nov. 14.
Walkway, particularly for rail cars. T. J. Joyce and T. W. Delanty. 2,179,634; Nov. 14.
Wall insulation. E. H. Wenzel. 2,179,678; Nov. 14.
Washing machine. A. W. Altorfer. 2,180,186; Nov. 14.
Water-gas generator, Intermittently operated. P. Van Ackeren. 2,179,650; Nov. 14.
Water heater. F. H. Czeschin. 2,179,496; Nov. 14.
Wave transmitter, Short. J. L. Hathaway. 2,180,107; Nov. 14.
Webs, Coating. P. H. Pennell. 2,179,562; Nov. 14.
Welder control system. F. H. Roby. 2,179,957; Nov. 14.
Welding transformer. J. J. Jones. 2,179,661; Nov. 14.
Well cleaning. W. J. Crites. 2,179,620; Nov. 14.
Well tool. A. E. Johnson. 2,179,594; Nov. 14.
Well washing device. O. E. Melton. 2,180,309; Nov. 14.
Wheel: *See*—
Disk wheel. Gear wheel.
Wheel assembly, Tail. H. N. Martin. 2,179,877; Nov. 14.
Wheel traction, Vehicle. E. Deardorff. 2,179,587; Nov. 14.
Winding machine, Portable double drive. J. Scoffone. 2,179,760; Nov. 14.
Winding reel. F. J. Samerdyke. 2,179,523; Nov. 14.
Windmill and windmill electric generating and regulating storage system. C. Fumagalli. 2,179,885; Nov. 14.
Window construction, Double. R. B. Nelson. 2,179,668; Nov. 14.
Window lock. E. Peremi and L. Toth. 2,179,728; Nov. 14.
Window, Refrigerator. P. H. Brinkoeter. 2,179,585; Nov. 14.
Window, Refrigerator. A. E. Dieterich. 2,179,589; Nov. 14.
Wire from coils, Mechanism for dereeling or unwinding. J. F. Cullin. 2,179,574; Nov. 14.
Wire stripper hand tool. H. G. Jan Voogd. 2,179,581; Nov. 14.
Woodwind instrument. H. W. Loney. 2,180,118; Nov. 14.
Work holder. J. J. Groden. 2,179,625; Nov. 14.
Wrapper and roller, Bottle. W. L. Dewberry. 2,179,780; Nov. 14.
Wrapping machine. J. W. Chalmers. 2,179,685; Nov. 14.
Wrench: *See*—
Automatic pressure release
ratchet wrench.
Wrench. W. E. McLaughlin. 2,179,558; Nov. 14.
Wringer. G. L. Davis. 2,179,715; Nov. 14.
X-ray inspection apparatus. E. W. Page. 2,179,859; Nov. 14.
Yarn of artificial origin, After-treatment of. J. J. Stoeckly. 2,179,985; Nov. 14.
Zinc base alloy. W. H. Finkeldey. 2,180,291–2; Nov. 14.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 14, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Clark-Millner Co., Chicago, Ill. Lipsticks. Serial No. 418,963; Nov. 21. Class 6.
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Cohen, M. & B., Co., New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 413,296; Nov. 21. Class 39.
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Cooke, Julia M, Norwalk, Conn. Pickles, sweet relish, sour relish, etc. Serial No. 388,915; Nov. 21. Class 46.
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Cotopa Limited, Brandford, England. Cotton yarn and sewing cotton in bundle form. Serial No. 423,129; Nov. 21. Class 43.
Country Club Ice Cream Company, Paterson, N. J. Ice cream. Serial No. 423,658; Nov. 21. Class 46.
Curran Corporation, The, Malden, Mass. Emulsifying and scouring solvent. Serial No. 423,522; Nov. 21. Class 6.
Dikon Laboratories, Incorporated, Indianapolis, Ind. Medicine. Serial No. 422,973; Nov. 21. Class 6.
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Du Pont, E. I., de Nemours and Company, Wilmington, Del. Anti-freeze solutions. Serial No. 424,081; Nov. 21. Class 6.
Eaton Paper Corporation, Pittsfield, Mass. Stationery. Serial No. 424,197; Nov. 21. Class 37.
Eclipse Knitting Mills, Inc., East Newark, N. J. Knitted and woven garments. Serial No. 422,895; Nov. 21. Class 39.
Embalmers' Supply Company, The, Westport, Conn. Casket pedestals, day beds, bed ends, etc. Serial No. 419,750; Nov. 21. Class 32.
Ettelbrick Shoe Company, Greenup, Ill. Children's shoes. Serial Nos. 423,375–6; Nov. 21. Class 39.
Eureka Woolen Mills, Eureka, Calif. Piece goods. Serial No. 422,401; Nov. 21. Class 42.
Federal Mining & Mfg. Co., Jersey City, N. J. Cleaning fluid. Serial No. 423,757; Nov. 21. Class 4.
Fibre Conduit Company, The, Orangeburg, N. Y. Conduit, ducts, and pipes, and fittings for the same. Serial No. 413,628; Nov. 21. Class 12.
Field, Walter L., doing business as Mac-O-Lac Paints, Detroit, Mich. Paints, varnishes, and paint enamels. Serial No. 423,024; Nov. 21. Class 16.
Firestone Tire & Rubber Company, The, Akron, Ohio. Radios and accessories including aerial kits. Serial Nos. 420,992–3; Nov. 21. Class 21.
Fisher Scientific Company, Pittsburgh, Pa. Instrument to determine the carbon content of a steel bath. Serial No. 424,036; Nov. 21. Class 26.
Fooderaft Products. (See United Buyers Corporation.)
Forch, Ralph. (See Naegele, Geo. H., Ralph Forch & S. W. Harkleroad.)
Formann, Ford and Company, Minneapolis, Minn. Paints, paint enamels, stains, etc. Serial No. 422,697; Nov. 21. Class 16.
Fowler, Leonard. (See Rockwell, Louis, and Leonard Fowler.)
Fulton Process and Chemical Corporation, Gloversville, N. Y. Hand cleanser. Serial No. 424,166; Nov. 21. Class 4.
Galler, Jack, Chicago, Ill. Toy and model airplanes and parts thereof. Serial No. 424,473; Nov. 21. Class 22.
Glassite Company, The. (See Thomsen, Grover C.)
Goldblatt Brothers, Inc., Chicago, Ill. Vehicle tires. Serial No. 422,051; Nov. 21. Class 35.
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Griffin, G. W., Co., Franklin, N. H. Hack saw blades. Serial No. 423,882; Nov. 21. Class 23.
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Gulf Oil Corporation, Pittsburgh, Pa. Lubricating oils. Serial No. 423,911; Nov. 21. Class 15.
Hale, Alfred, Rubber Company, Quincy, Mass. Rubber soles for shoes. Serial No. 423,808; Nov. 21. Class 39.
Hansen Glove Corporation, Milwaukee, Wis. Leather gloves. Serial No. 423,497; Nov. 21. Class 39.
Harkleroad, S. W. (See Naegele, Geo. H., Ralph Forch & S. W. Harkleroad.)
Heide, Henry, Incorporated, New York, N. Y. Candies. Serial Nos. 423,949–50; Nov. 21. Class 46.
Henrici Laundry Machinery Company, Boston, Mass. Laundry washing machines. Serial No. 424,088; Nov. 21. Class 24.
Hilco Products. (See Hill, Howard L.)
Hill, Howard L., doing business as Hilco Products, New York, N. Y. Mirrors, utility storage cabinets, medicine cabinets, etc. Serial No. 424,477; Nov. 21. Class 32.

Hirshey, Charles, Clothing Co., Baltimore, Md. Coats, vests, trousers, etc. Serial No. 423,663; Nov. 21. Class 39.

Holeproof Hosiery Co., Milwaukee, Wis. Underwear for women and misses. Serial No. 423,095; Nov. 21. Class 39.

Holeproof Hosiery Co., Milwaukee, Wis. Bedjackets, nightgowns, pajamas, etc. Serial No. 423,096; Nov. 21. Class 39.

Holeproof Hosiery Co., Milwaukee, Wis. Slips and underwear. Serial No. 423,097; Nov. 21. Class 39.

Holeproof Hosiery Co., Milwaukee, Wis. Bedjackets and robes. Serial No. 423,098; Nov. 21. Class 39.

Hollander, Lewis H., doing business as Lewis H. Hollander Co., New York, N. Y. Purse kit. Serial No. 419,338; Nov. 21. Class 3.

Horton, Arthur, Valparaiso, Ind. Eggs. Serial No. 416,690; Nov. 21. Class 46.

Hygienic Products Company, The, Canton, Ohio. Cleaning powder. Serial Nos. 413,671–2; Nov. 21. Class 4.

International Latex Corporation, Dover, Del. Water-proof pants for babies. Serial No. 422,009; Nov. 21. Class 39.

Irresistible, Inc., Jersey City, N. J. Perfume. Serial No. 423,954; Nov. 21. Class 6.

Isolantite Inc., Belleville, N. J. Ceramics having electrical insulating characteristics. Serial No. 421,484; Nov. 21. Class 21.

Ivorycraft Co., Inc., Long Island City, N. Y. Chinese game. Serial No. 410,736; Nov. 21. Class 22.

Johnson & Balliet, Pittsburgh, Pa. Men's underwear, outer shirts, undershirts, etc. Serial No. 423,137; Nov. 21. Class 39.

Juilliard, A. D., & Co., Inc., New York, N. Y. Corduroy goods in the piece. Serial No. 424,092; Nov. 21. Class 42.

Kayser, Julius, & Co., New York, N. Y. Ladies' gloves. Serial No. 417,841; Nov. 21. Class 39.

Keasbey & Mattison Company, Ambler, Pa. Asbestos thread, asbestos yarn, and asbestos flat thread tape. Serial No. 422,364; Nov. 21. Class 43.

Kelman, David J., New York, N. Y. Steel wool and woven metal cleaners. Serial No. 423,585; Nov. 21. Class 4.

Kimble Glass Company, Vineland, N. J. Glass rods and tubing. Serial No. 413,872; Nov. 21. Class 33.

King Features Syndicate, Inc., New York, N. Y. News paper cartoons. Serial No. 424,091; Nov. 21. Class 38.

Kroger Grocery & Baking Company, The, doing business as Wesco Foods Company, Cincinnati, Ohio. Canned pork and beans with tomato sauce and red kidney beans with tomato sauce. Serial No. 410,511; Nov. 21. Class 46.

Kuhls, H. B. Fred., Estate of, New York, N. Y. Preparation in the nature of a calking compound. Serial No. 421,808; Nov. 21. Class 12.

Kurtz Bros., Inc., Clearfield, Pa. Composition books, note books, and spelling blanks. Serial No. 423,306; Nov. 21. Class 37.

Kurzer, Martin, New York, N. Y. Metal alloys in rod and wire form used in welding and for core solder. Serial No. 423,422; Nov. 21. Class 14.

La Compagnie Pharmaceutique Desbergers, Montreal, Quebec, Canada. Chemical compound. Serial No. 424,008; Nov. 21. Class 6.

La Manna, Azema & Farnam, New York, N. Y. Canned mushrooms, bottled capers, canned olive oil, etc. Serial No. 422,704; Nov. 21. Class 46.

Lewi, Wm. Grant, New York, N. Y. Electro-therapeutic apparatus. Serial No. 421,246; Nov. 21. Class 44.

Linco Products Corporation, Chicago, Ill. Cleanser. Serial No. 423,846; Nov. 21. Class 4.

Linsk, Joseph, Philadelphia, Pa. Children's dresses. Serial No. 423,469; Nov. 21. Class 39.

Lombardi Mfg. Co., Hartford, Conn. Tailored sportswear dresses. Serial No. 420,107; Nov. 21. Class 39.

Longini, Ira M., doing business as Longini Shoe Mfg. Co., Cincinnati, Ohio. Leather shoes. Serial No. 410,512; Nov. 21. Class 39.

Lorch Manufacturing Company, Dallas, Tex. Dresses, coats, and costume suits. Serial No. 423,307; Nov. 21. Class 39.

Lubri-Zol Corporation, The, Wickliffe, Ohio. Lubricating oils and greases, lubricating oil compounds, etc. Serial No. 422,140; Nov. 21. Class 15.

Lukens Steel Company, Coatesville, Pa. Flame-cut steel plates. Serial No. 419,814; Nov. 21. Class 14.

Luxogas Co. (See Malir, Joseph J., Jr.)

Mackintosh-Hemphill Company, Pittsburgh, Pa. Unfinished iron and steel castings. Serial No. 421,521; Nov. 21. Class 14.

Mac-O-Lac Paints. (See Field, Walter L.)

Malir, Joseph J., Jr., doing business as Luxogas Co., Denver, Colo. Gas generating plants. Serial No. 423,029; Nov. 21. Class 34.

Mandelburg, Benedict, New York, N. Y. Steel boilers. Serial No. 423,030; Nov. 21. Class 34.

Mann Capacitherm Company, Inc., Tacoma, Wash. Therapeutic machines. Serial No. 420,911; Nov. 21. Class 44.

Marchant Calculating Machine Company, Emeryville, Calif. Trade journal. Serial No. 416,443; Nov. 21. lass 38.

Marcus, Joseph, New York, N. Y. Sweaters and sweat shirts. Serial No. 413,720; Nov. 21. Class 39.

Master Builders Company, The, Cleveland, Ohio. Material for curing, protecting, and coloring concrete surfaces. Serial No. 423,337; Nov. 21. Class 12.

Mattei, A. (See Naegele, Geo. H., Ralph Forch & S. W. Harkleroad.)

McBride, Matthew B., doing business as Sea Caps Company, New York, N. Y. Preparation used in the treatment of sea sickness. Serial No. 410,599; Nov. 21. Class 6.

McDonald, Herman M., Chicago, Ill. Athletic shirts, shorts, and knitted underwear. Serial No. 420,181; Nov. 21. Class 39.

McKenzie Engraving Company, Boston, Mass. Greeting cards. Serial No. 423,737; Nov. 21. Class 38.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Tonic containing iron. Serial No. 423,309; Nov. 21. Class 6.

Meyers Manufacturing Co., New York, N. Y. Ladies' handbags. Serial No. 423,672; Nov. 21. Class 3.

Meyrowitz, E. B., Inc., New York, N. Y. Ophthalmic lenses. Serial No. 424,013; Nov. 21. Class 26.

Millar, John A., Company, Incorporated, Newark, N. J. Hemostatic preparations. Serial No. 422,480; Nov. 21. Class 6.

Mitsui & Co. Ltd., New York, N. Y. Bicycles and parts thereof. Serial No. 412,384; Nov. 21. Class 19.

Montpelier Manufacturing Co., The, Montpelier, Ohio. Motor delivery trucks and structural parts thereof. Serial No. 423,063; Nov. 21. Class 19.

Morand Bros. Beverage Company, Chicago, Ill. Whisky. Serial No. 422,754; Nov. 21. Class 49.

Morris, Maun & Reilly Incorporated, Chicago, Ill. Ladies' handbags, small pocketbooks, purses. Serial No. 423,605; Nov. 21. Class 3.

Nachman Springfield Corporation, Chicago, Ill. Resilient pads for mattresses and cushions. Serial No. 421,891; Nov. 21. Class 32.

Nachman Springfield Corporation, Chicago, Ill. Spring assemblies for upholstery and upholstery units. Serial No. 421,892; Nov. 21. Class 32.

Naegele, Geo. H., Ralph Forch & S. W. Harkleroad, trustees for A. Mattei, doing business as A. Mattei, Fresno, Calif. Wines. Serial No. 422,727; Nov. 21. Class 47.

Nashua Manufacturing Company, Boston, Mass. Sheets and pillow cases. Serial No. 424,051; Nov. 21. Class 42.

National Lock Co., Rockford, Ill. Locks and keys. Serial No. 423,823; Nov. 21. Class 25.

Nelson–Eismann Company, The, Chicago, Ill. Typewriter ribbons. Serial No. 424,055; Nov. 21. Class 11.

Netzky, William, doing business as Susquehanna Waist Company, Philadelphia, Pa. Blouses and skirts. Serial No. 423,773; Nov. 21. Class 39.

Northmont Hosiery Corporation, Reading, Pa. Hosiery. Serial No. 422,907; Nov. 21. Class 39.

Ohio Provision Co., The, Cleveland, Ohio. Bacon. Serial No. 423,404; Nov. 21. Class 46.

Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated flatware. Serial Nos. 424,097–8; Nov. 21. Class 28.

Pagliarulo, John, Delano and Earlimart, Calif. Fresh grapes. Serial No. 423,709; Nov. 21. Class 46.

Paragon Oil Company, Inc., Brooklyn, N. Y. Lubricating oils and greases. Serial No. 423,860; Nov. 21. Class 15.

Parke, Davis & Company, Detroit, Mich. Preparation for use in the treatment of vitamin B deficiencies, etc. Serial No. 421,894; Nov. 21. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation for use in the treatment of various types of biliary disturbances, etc. Serial No. 421,895; Nov. 21. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation for use in the treatment of certain cases of epilepsy. Serial No. 421,896; Nov. 21. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation for use in the treatment of various conditions of pain and discomfort. Serial Nos. 421,897–8; Nov. 21. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation for use in oral treatment of estrogenic deficiencies. Serial No. 421,899; Nov. 21. Class 6.

Paruta, A., Passaic, N. J. Canned lentils, split peas, beans, etc. Serial No. 404,658; Nov. 21. Class 46.

Pearson Pharmacal Company, Inc., New York, N. Y. Eye lotion. Serial No. 423,005; Nov. 21. Class 6.

Pfaelzer, Leo M., New York, N. Y. Hats of the calotte or tam type. Serial No. 423,738; Nov. 21. Class 39.

Phelps Dodge Copper Products Corporation, New York, N. Y. Transformers. Serial No. 424,100; Nov. 21. Class 21.

Phillips Petroleum Company, Bartlesville, Okla. Gasoline. Serial No. 370,120; Nov. 21. Class 15.

Progress Publishing Co. Inc., Hammond, La. Weekly newspaper. Serial No. 403,420; Nov. 21. Class 38.

Raleigh Manufacturers Incorporated, New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 423,313; Nov. 21. Class 39.

Rawiplug Company, Inc., The, New York, N. Y. Self anchoring drive sleeve fasteners. Serial No. 420,778; Nov. 21. Class 13.

Remington Rand Inc., Buffalo, N. Y. Carbon paper. Serial No. 423,829; Nov. 21. Class 11.

Remington Rand Inc., Buffalo, N. Y. Typewriter ribbons. Serial No. 423,830; Nov. 21. Class 11.

Rheingold Cheese Company, Chicago, Ill. Cheese and cheese spreads. Serial No. 393,687; Nov. 21. Class 46.

Ridgway, Whiting & Bodenschatz, Inc., Nutley, N. J. Piece goods. Serial No. 411,311; Nov. 21. Class 42.

Ritter Bros., Inc., New York, N. Y. Fur coats. Serial No. 421,198; Nov. 21. Class 39.

Rockwell, Louis, and Leonard Fowler, Carpentersville, Ill. Series of patriotic articles. Serial No. 422,218; Nov. 21. Class 38.

Roggli Brothers, Hilterlingen, Switzerland. Flower and vegetable seeds. Serial No. 416,872; Nov. 21. Class 1.

Root Pop Bottling Co., Inc., Washington, D. C. Beverages. Serial No. 422,259; Nov. 21. Class 45.

Ruppert, Jacob, New York, N. Y. Beer. Serial Nos. 423,635–6; Nov. 21. Class 48.

Ryser, Frank, Co., Chicago, Ill. Cheese. Serial No. 418,652; Nov. 21. Class 46.

Scotch Products Incorporated, New York, N. Y. Apple cider and carbonated cider beverage. Serial No. 424,499; Nov. 21. Class 45.

Sea Caps Company. (See McBride, Matthew B.)

Sears, Roebuck and Co., Chicago, Ill. Blankets and piece goods containing wool. Serial No. 415,146; Nov. 21. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Burners for gas cooking ranges. Serial No. 421,260; Nov. 21. Class 34.

Sears, Roebuck and Co., Chicago, Ill. Handbags. Serial No. 423,834; Nov. 21. Class 3.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for use as antiseptics, for use as vaso-constrictors, etc. Serial No. 423,575; Nov. 21. Class 6.

Sharp, K. K., Holtville, Calif. Fresh carrots. Serial No. 414,711; Nov. 21. Class 46.

Solon Palmer, New York, N. Y. Perfumes, toilet waters, face powder, etc. Serial No. 422,673; Nov. 21. Class 6.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls, golf clubs, and rackets. Serial No. 423,680; Nov. 21. Class 22.

Spalsbury-Steis-Deevers Shoe Company, Fredericktown and St. Louis, Mo. Shoes. Serial No. 416,705; Nov. 21. Class 39.

Stein, Joseph, Coats, Inc., New York, N. Y. Ladies' and misses' coats, suits. Serial No. 414,281; Nov. 21. Class 39.

Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Fabrics. Serial No. 424,107; Nov. 21. Class 42.

Strutwear Knitting Company, Minneapolis, Minn. Underwear for women and children. Serial No. 423,444; Nov. 21. Class 39.

Susquehanna Waist Company. (See Netzky, William.)

Taylor Wine Company, The, Hammondsport, N. Y. Wines. Serial No. 417,661; Nov. 21. Class 47.

Tayton Company, Kansas City, Mo. Astringent, brilliantine, hair oil, etc. Serial No. 423,240; Nov. 21. Class 6.

Tayton Company, Kansas City, Mo. Compacts, creams, facial packs, etc. Serial No. 423,242; Nov. 21. Class 6.

Teller, Robert, Sons & Dorner, New York, N. Y. Games. Serial No. 420,190; Nov. 21. Class 22.

Thomas & Company, Frederick, Md. Canned vegetables. Serial No. 421,822; Nov. 21. Class 46.

Thomsen, Grover C., doing business as The Glassite Company, Waco, Tex. Beverages and syrups used in preparing the same. Serial No. 423,959; Nov. 21. Class 45.

Tivoli Brewing Company, Detroit, Mich. Beer. Serial No. 424,447; Nov. 21. Class 48.

Trojan Hosiery Mills, Incorporated, Indianapolis, Ind. Silk Hosiery. Serial No. 423,281; Nov. 21. Class 39.

Trommer, John F., Inc., Brooklyn, N. Y. Beer. Serial No. 423,683; Nov. 21. Class 48.

Union Fishermen's Co-Operative Packing Co., Astoria, Oreg. Canned salmon and tuna. Serial No. 423,244; Nov. 21. Class 46.

Union Fishermen's Co-Operative Packing Co., Astoria, Oreg. Canned salmon and tuna. Serial No. 423,579; Nov. 21. Class 46.

Union Fork & Hoe Company, The, Columbus, Ohio. Hand operated tools. Serial No. 424,069; Nov. 21. Class 23.

United Buyers Corporation, also doing business as Foodcraft Products, Chicago, Ill. Toilet soap, laundry soap, soap powder, etc. Serial No. 423,580; Nov. 21. Class 4.

Wander Company, The, Chicago, Ill. Preparation of malted milk and a chocolate flavored dairy syrup. Serial No. 423,320; Nov. 21. Class 46.

Washington Packers, Inc., Sumner, Wash. Frozen fruits, berries, and vegetables. Serial No. 409,791; Nov. 21. Class 46.

Wesco Foods Company. (See Kroger Grocery & Baking Company, The.)

Whelan, Reynolds, Sharpsville, Pa. Antiseptic and germicide. Serial No. 423,189; Nov. 21. Class 6.

White Motor Company, The, Cleveland, Ohio. Automobiles. Serial Nos. 420,555–6; Nov. 21. Class 19.

White, Robert C., Falls of Schuylkill, Philadelphia, Pa. Chocolate-coated compressed medicinal tablets. Serial No. 422,763; Nov. 21. Class 6.

White, Robert C., Falls of Schuylkill, Philadelphia, Pa. Prophylactic antiseptic throat tablets. Serial No. 422,766; Nov. 21. Class 6.

Wilken Family, Incorporated, The, New York, N. Y., Lawrenceburg, Ind., and Aladdin, Pa. Whiskey, gin, rum, etc. Serial No. 412,842; Nov. 21. Class 49.

Wilson Chemical Company, Inc., The, Tyrone, Pa. Shaving cream. Serial No. 422,644; Nov. 21. Class 4.

Wilson Chemical Company, Inc., The, Tyrone, Pa. Tooth paste. Serial No. 422,645; Nov. 21. Class 6.

Winthrop Chemical Company, Inc., New York, N. Y. Preparation for the treatment of intestinal strongylosis in horses. Serial No. 423,148; Nov. 21. Class 6.

Young Bros., New York, N. Y. Ladies' hosiery. Serial No. 421,722; Nov. 21. Class 39.

Zell Brothers, Inc., Portland, Oreg. Wedding rings, plain rings, rings with jewel settings, etc. Serial No. 417,730; Nov. 21. Class 28.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Film Laboratories, Inc., Brooklyn, N. Y. Machines for drilling, tapping, and beveling the ends of carbon rods. 373,004; Nov. 21; Serial No. 420,708; published Sept. 12, 1939. Class 23.

Aiglee Medicine Co. (See Niklins, Ida.)

Albany Packing Company, Inc., assignor to Formrite Bacon Press Corporation, Colonie, N. Y. Presses, particularly adapted for squaring bacon slabs. 373,098; Nov. 21. Class 23.

Ament, Philip, doing business as Antiphyton Laboratories, Buffalo, N. Y. Medicinal preparation. 373,085; Nov. 21; Serial No. 422,192; published Sept. 12, 1939. Class 6.

American Aniline Products, Inc., New York, N. Y. Finishing chemical compounds for textiles. 373,011; Nov. 21; Serial No. 420,888; published Sept. 12, 1939. Class 6.

American Tobacco Company, The, assignor to American Cigarette and Cigar Company, New York, N. Y. Cigarettes, cigars, tobacco. 130,029; renewed Apr. 6, 1940.

American Viscose Corporation, Marcus Hook, Pa. Yarns, threads, and yarn and thread filaments. 373,048; Nov. 21; Serial No. 421,365; published Sept. 5, 1939. Class 43.

Amsler-Morton Company, The, Pittsburgh, Pa. Industrial heating and melting furnaces. 372,992; Nov. 21; Serial No. 420,443; published Sept. 12, 1939. Class 34.

Anademin Chemical Company, Chattanooga, Tenn. Preparation used in the treatment of general anasarca, dropsy, etc. 373,068; Nov. 21; Serial No. 421,756; published Sept. 5, 1939. Class 6.

Ansul Chemical Company, Marinette, Wis. Liquid to be added to refrigerants. 372,931; Nov. 21; Serial No. 417,794; published Sept. 12, 1939. Class 6.

Antiphyton Laboratories. (See Ament, Philip.)

Arden, Elizabeth, Inc., New York, N. Y. Set of toilet preparations. 373,058; Nov. 21; Serial No. 421,594; published Sept. 12, 1939. Class 6.

Arnold, Everett M., Cleveland, Ohio. Periodical publication. 373,057; Nov. 21; Serial No. 421,557; published Sept. 12, 1939. Class 38.

Ault & Wiborg Corporation. (See Van Schaack Bros. Chemical Works.)

Ayer, Harriet Hubbard, Inc., New York, N. Y. Water softener. 373,052; Nov. 21; Serial No. 421,504; published Sept. 5, 1939. Class 6.

Ayer, Harriet Hupbbard, Inc., New York, N. Y. Body deodorizer. 373,053; Nov. 21; Serial No. 421,505; published Sept. 5, 1939. Class 6.

Baker, George S., doing business as Fo-Sy-Nis Laboratories, Chicago, Ill. Nasal preparation. 372,952; Nov. 21; Serial No. 419,323; published Sept. 5, 1939. Class 6.

Ballard & Ballard Company, Inc., doing business as O. K. Mills, Louisville, Ky. Flour. 372,941; Nov. 21; Serial No. 418,701; published Sept. 12, 1939. Class 46.

Ballard & Ballard Company, Inc., Louisville, Ky. Feeds. 372,942; Nov. 21; Serial No. 418,702; published Sept. 12, 1939. Class 46.

Barrell, William L., Company, Inc. (See Eastern Finishing Works, Inc., assignor.)

Baus, Marvin S., doing business as Baus Manufacturing Company, Hopkinsville, Ky. Work gloves. 373,054; Nov. 21; Serial No. 421,507; published Sept. 5, 1939. Class 39.

Behr-Manning Corporation, Watervliet, N. Y. Abrasive paper and cloth. 372,982; Nov. 21; Serial No. 420,202; published Sept. 12, 1939. Class 4.

Beiersdorf, P., & Co., Inc., Stamford, Conn. Adhesive tape. 373,074; Nov. 21; Serial No. 421,839; published Sept. 12, 1939. Class 44.

Biltmore Paper Co. Inc., New York, N. Y. Paper facial tissue. 372,909; Nov. 21; Serial No. 408,873; published Sept. 12, 1939. Class 37.

Borden Company, The. (See Hendler Creamery Co., The assignor.)

Borden Company, The, New York, N. Y. Condensed milk. 130,265; renewed Apr. 20, 1940.

Borun Bros., Los Angeles, Calif. Lime water, camphorated oil, spirit of camphor, etc. 373,017; Nov. 21; Serial No. 420,930; published Sept. 5, 1939. Class 6.

Bowman, W. P., assignor to Goodall, Backhouse & Co. Ltd., Leeds, England. Sauce. 128,943; renewed Jan. 20, 1940.

Bradley, John W., doing business as Meta Cine Company, Chattanooga, Tenn. Cleansing douche. 372,963; Nov. 21; Serial No. 419,831; published Sept. 12, 1939. Class 6.

Broad Brook Company, Broad Brook, Conn. Cloth. 372,932; Nov. 21; Serial No. 417,832; published Sept. 12, 1939. Class 42.

Bronx Camera Exchange & Supply Co., New York, N. Y. Cameras, sensitized photographic films, photographic printing papers, etc. 372,954; Nov. 21; Serial No. 419,415; published Sept. 12, 1939. Class 26.

Brownell, Earl C., Portland, Oreg. Advertising sign tag holding clips. 372,975; Nov. 21; Serial No. 419,996; published Sept. 12, 1939. Class 13.

Bullock, Ernest W., doing business as Bullock-Walker Manufacturing Company, Grand Rapids, Mich. Ointments, topical dressings, medicated salves and creams, etc. 373,061; Nov. 21; Serial No. 421,689; published Sept. 5, 1939. Class 6.

Bupane Gas Company. (See Kohl, Otto A.)

Burrough Brothers Manufacturing Company, doing business as Burrough Brothers Mfg. Company, Baltimore, Md., and Cleveland, Ohio. Preparation for use as an expectorant and cough sedative. 373,089; Nov. 21; Serial No. 422,392; published Sept. 12, 1939. Class 6.

C. F. Sales Company. (See Fierstein, Charles.)

Callaway Mills, La Grange, Ga. Textile bath rugs, mats, and seat covers. 373,035; Nov. 21; Serial No. 421,177; published Sept. 12, 1939. Class 42.

Campus Candy Co., Los Angeles, Calif. Candy. 372,964; Nov. 21; Serial No. 419,846; published Sept. 12, 1939. Class 46.

Caradonna, Philip, Brooklyn, N. Y. Compound for the treatment of certain ailments. 373,036; Nov. 21; Serial No. 421,179; published Sept. 5, 1939. Class 6.

Car-Cal Winery. (See Sands, Sally.)

Carnrick, G. W., Co., Newark, N. J. Combination of thyroid and estrogenic hormones. 372,999; Nov. 21; Serial No. 420,574; published Sept. 12, 1939. Class 6.

Carnrick, G. W., Co., Newark, N. J. Therapeutic agent. 373,002; Nov. 21; Serial No. 420,623; published Sept. 12, 1939. Class 6.

Carnrick, G. W., Co., Newark, N. J. Medicinal restorative tonic. 373,078; Nov. 21; Serial No. 421,996; published Sept. 5, 1939. Class 6.

Charambura, Henry, doing business as Silver Pine Mfg. Co., New York, N. Y. Hair and scalp dressing. 373,087; Nov. 21; Serial No. 422,316; published Sept. 12, 1939. Class 6.

Charles of The Ritz, Inc., New York, N. Y. Lipsticks. 373,059; Nov. 21; Serial No. 421,598; published Sept. 5, 1939. Class 6.

Chippewa Springs Corporation, Minneapolis, Minn. Natural spring-water and its products. 130,164; renewed Apr. 13, 1940.

Cleveland Twist Drill Company, The, Cleveland, Ohio. Measuring rules and gages. 373,099; Nov. 21. Class 26.

Cole Chemical Company, Wilmington, Del., and St. Louis, Mo. Pharmaceutical preparation. 372,921; Nov. 21; Serial No. 415,380; published Sept. 5, 1939. Class 6.

Columbia Mills Inc., The. (See Talbert-Whitmore Company.)

Consolidated Dressed Beef Co. (See Offenhauser, Christopher.)

Cook, C. R., Paint Company, to Cook Paint & Varnish Company, Kansas City, Mo., successor. Paints and painters' materials. 126,265; renewed Aug. 19, 1939.

Coors, Adolph, Company, Golden, Colo. Beer. 373,075; Nov. 21; Serial No. 421,846; published Sept. 12, 1939. Class 48.

Creasy, Charles D., doing business as Leota's, Memphis, Tenn. General tonic. 372,927; Nov. 21; Serial No. 417,045; published Sept. 12, 1939. Class 6.

Cross, A. T., Pencil Co., Providence, R. I. Fountain-pens, lead-pencils, etc. 129,664; renewed Mar. 9, 1940.

Cudahy Brothers Company, Cudahy, Wis. Lard, spiced pork and beef, and vegetable shortening. 372,901; Nov. 21; Serial No. 394,587; published Sept. 5, 1939. Class 46.

Curex, Inc., Wood-Ridge, N. J., assignor to Lethelin Products Company, Inc., Mount Vernon, N. Y. Fungicide. 372,935; Nov. 21; Serial No. 418,188; published Sept. 12, 1939. Class 6.

Delgado, Hernando B., Cali, Colombia. Anthelmintic and vermifuge. 373,021; Nov. 21; Serial No. 420,989; published Aug. 29, 1939. Class 6.

Del Rey Celery Growers Association, Venice, Calif. Fresh vegetables. 372,965; Nov. 21; Serial No. 419,860; published Sept. 12, 1939. Class 46.

Del Rey Celery Growers Association, Venice, Calif. Fresh vegetables. 372,972; Nov. 21; Serial No. 419,910; published Sept. 12, 1939. Class 46.

Dentarsan Products Company, East Orange, N. J. Medicinal preparation. 372,998; Nov. 21; Serial No. 420,570; published Sept. 5, 1939. Class 6.

Deshell, C. A., Corporation, Los Angeles, Calif. Pharmaceutical preparation. 372,923; Nov. 21; Serial No. 416,180; published Sept. 12, 1939. Class 6.

Detroit Rex Products Company, Detroit, Mich. Solvent. 373,027–8; Nov. 21; Serial Nos. 421,067–8; published Sept. 12, 1939. Class 4.

Dorsey and Ridley, Oklahoma City and Ada, Okla. Liquid preparation for application to livestock. 372,947; Nov. 21; Serial No. 419,012; published Sept. 12, 1939. Class 6.

Eastern Finishing Works, Inc., Kenyon, R. I., assignor to William L. Barrell Company, Inc., New York, N. Y. Waterproof textile fabrics. 127,734; renewed Dec. 2, 1939.

Easton Wholesale Grocery Company, Easton, Md. Canned vegetables; coffee, mayonnaise, etc. 373,094; Nov. 21. Class 46.

Embalmers' Supply Company, The, Westport, Conn. Embalming fluid. 128,371; renewed Jan. 6, 1940.

Ephrata Shoe Company, Inc., Ephrata, Pa. Shoes. 372,979; Nov. 21; Serial No. 420,171; published Sept. 5, 1939. Class 39.

Farm Crest Bakeries, Incorporated. (See Stern, Charles, & Sons Inc., assignor.)

Fidel Drug Company, Inc., New York, N. Y. Acriflavine hydrochloride, agar and oil; alkaline aromatic tablets, etc. 373,033; Nov. 21; Serial No. 421,135; published Aug. 29, 1939. Class 6.

Fidelity Medical Supply Co., The, assignor to R. H. Osmun, Dayton, Ohio. Antiseptic and astringent compound. 372,907; Nov. 21; Serial No. 407,946; published Sept. 5, 1939. Class 6.

Fierstein, Charles, doing business as C. F. Sales Company, Los Angeles, Calif. Preparation for use on the hair and scalp. 373,037; Nov. 21; Serial No. 421,183; published Sept. 12, 1939. Class 6.

Fischer, Philip, Chicago, Ill. Cards and slides for an amusement game. 373,090; Nov. 21. Class 22.

Fischman Company, The, Philadelphia, Pa. Soda fountains and parts therefor. 373,005; Nov. 21; Serial No. 420,756; published Sept. 12, 1939. Class 23.

Fishlove, H., & Co., Chicago, Ill. Buttons, medallions, pins, etc. 372,914; Nov. 21; Serial No. 412,964; published Sept. 5, 1939. Class 40.

Fishlove, H., & Co., Chicago, Ill. Buttons, medallions, pins, etc. 372,915; Nov. 21; Serial No. 412,965; published Sept. 12, 1939. Class 40.

Formfit Company, The, Chicago, Ill. Girdles and foundation garments. 373,066; Nov. 21; Serial No. 421,733; published Sept. 5, 1939. Class 39.

Formfit Company, The, Chicago, Ill. Girdles and foundation garments. 373,067; Nov. 21; Serial No. 421,735; published Sept. 5, 1939. Class 39.

Formrite Bacon Press Corporation. (See Albany Packing Company, Inc., assignor.)

Fo-Sy-Nis Laboratories. (See Baker, George S.)

Fox-Paw Products, The, Canton, Ohio. Powder for athlete's foot, odorous feet, etc. 373,051; Nov. 21; Serial No. 421,457; published Sept. 5, 1939. Class 6.

Franklin Glue Company, The, Columbus, Ohio. Glue. 373,101; Nov. 21. Class 5.

Freund, Paula, New York, N. Y. Gingerbread. 372,925; Nov. 21; Serial No. 416,847; published Sept. 5, 1939. Class 46.

Gallon Metallic Vault Company, The, Gallon, Ohio. Automotive dump bodies. 373,093; Nov. 21. Class 19.

Gamble Stores Incorporated, Minneapolis, Minn. Farm and garden implements. 372,934; Nov. 21; Serial No. 418,099; published Sept. 12, 1939. Class 23.

Garden City Brewing Co., San Jose, Calif. Beer and ale. 373,095; Nov. 21. Class 48.

Gardner, Firm of R. W., Orange, N. J. Internal preparation possessing alterative properties. 373,029; Nov. 21; Serial No. 421,074; published Sept. 5, 1939. Class 6.

Genant, W. A., Syracuse, N. Y. Canned fruits and vegetables, canned sauerkraut, etc. 372,977; Nov. 21; Serial No. 420,099; published Sept. 12, 1939. Class 46.

General Thread Mills, Inc., The. (See Locke, H. E., & Company, Inc.)

Gernes Garment Company, Inc., Kansas City, Mo. Piece goods. 372,936; Nov. 21; Serial No. 418,300; published Sept. 12, 1939. Class 42.

Gibraltar Manufacturing Co., Inc., Jersey City, N. J. Electric cookers. 373,022; Nov. 21; Serial No. 420,996; published Sept. 12, 1939. Class 21.

Gibson, A. C., Company, Inc., Buffalo, N. Y. Rubber stamps and stencils. 130,303; renewed Apr. 20, 1940.

Goldman, Louis M., doing business as Lou-Bob Company, Chicago, Ill. Denatured alcohol. 373,030; Nov. 21; Serial No. 421,082; published Aug. 29, 1939. Class 6.

Goldman, Sarlow Co., doing business as Hollyvogue, Los Angeles, Calif. Neckties, mufflers, and handkerchiefs. 372,926; Nov. 21; Serial No. 417,009; published Sept. 5, 1939. Class 39.

Good Foods, Incorporated. (See Gosnell, Mabel B., assignor.)

Goodall, Backhouse & Co. Ltd. (See Bowman, W. P., assignor.)

Gordon, Chester A., Oak Park, Ill. Chemical product. 372,937; Nov. 21; Serial No. 418,337; published Sept. 12, 1939. Class 6.

Gosnell, Mabel B., assignor to Good Foods, Incorporated, Minneapolis, Minn. Fruit preserves, jams, vegetable pickle relishes, etc. 127,186; renewed Oct. 21, 1939.

Green & Green Inc., Houston, Tex. Beverage and concentrate for making same. 372,916; Nov. 21; Serial No. 413,478; published Sept. 12, 1939. Class 45.

Greenebaum, J., Tanning Co., Chicago, Ill., and Milwaukee, Wis. Leather. 372,908; Nov. 21; Serial No. 408,752; published Jan. 24, 1939. Class 1.

Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. 372,943; Nov. 21; Serial No. 418,713; published Sept. 12, 1939. Class 46.

Haack Bros. Manufacturing Pharmacists, Portland, Oreg. Tablets containing specified amounts of a certain drug. 372,988; Nov. 21; Serial No. 420,371; published Sept. 5, 1939. Class 6.

Haering, D. W., & Company, Inc., Chicago, Ill. Preparation for application to metal to prevent or arrest corrosion. 373,080; Nov. 21; Serial No. 422,053; published Sept. 5, 1939. Class 6.

Hardaway-Cargill Co., Columbus, Ga., assignor, by mesne assignments, to Penick & Ford, Ltd. Incorporated, New York, N. Y. Corn and cane products syrups. 130,183; renewed Apr. 13, 1940.

Harmon Chemicals, Inc., Brooklyn, N. Y. Medicinal compound. 372,978; Nov. 21; Serial No. 420,134; published Sept. 12, 1939. Class 6.

Heide, Henry, Incorporated, New York, N. Y. Candies. 373,012; Nov. 21; Serial No. 420,904; published Sept. 12, 1939. Class 46.

Hendler Creamery Co., The, Baltimore, Md., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Ice-cream, frozen custards, and ices. 128,401; renewed Jan. 6, 1940.

Henkel-Clauss Company, The, Fremont, Ohio. Nail polish, nail polish remover, and cuticle remover. 372,902; Nov. 21; Serial No. 404,648; published Sept. 12, 1939. Class 6.

Hercules Powder Company, Wilmington, Del. Insulating compound and electrical insulating compound. 372,912; Nov. 21; Serial No. 412,641; published Sept. 12, 1939. Class 21.

Hill, R. & J., Limited, London, England. Cigars, cigarettes, and smoking-tobacco. 129,000; renewed Jan. 20, 1940.

Hobart Manufacturing Company, The, Troy, Ohio. Electrically operated devices for sterilizing articles. 372,980; Nov. 21; Serial No. 420,179; published Sept. 12, 1939. Class 21.

Hoffman, J. L., Company, Allentown, Pa. Fowl medicine. 373,013; Nov. 21; Serial No. 420,907; published Sept. 12, 1939. Class 6.

Hoffman, J. L., Company, Allentown, Pa. Chemical mixture to be used as a dip disinfectant for seed potatoes. 373,014; Nov. 21; Serial No. 420,908; published Sept. 12, 1939. Class 6.

Holland, Michael J., doing business as Holland Specialty Company, Peoria, Ill. Preparation used by dentists for the alleviation of pain. 373,015; Nov. 21; Serial No. 420,909; published Sept. 12, 1939. Class 6.

Hollins, William, & Company, Inc., Forestdale, R. I., and New York, N. Y. Piece goods of wool. 373,069; Nov. 21; Serial No. 421,776; published Sept. 12, 1939. Class 42.

Hollyvogue. (See Goldman, Sarlow Co.)

Hood Rubber Company, Watertown, Mass., assignor to Hood Rubber Company, Inc., Wilmington, Del. Rubber boots and shoes, overshoes, etc. 127,059; renewed Oct. 21, 1939.

House of Lowell, Incorporated. (See Shipman, Ray, assignor.)

Hudson Valley Wine Company, Inc., Highland, N. Y. Wines. 373,008; Nov. 21; Serial No. 420,860; published Sept. 12, 1939. Class 47.

Hudson Valley Wine Company, Inc., Highland, N. Y. Vinegar. 373,009; Nov. 21; Serial No. 420,861; published Sept. 12, 1939. Class 46.

Humphreys, John M., doing business as Humphreys Canning Co., Westwego, La. Canned shrimp. 373,026; Nov. 21; Serial No. 421,042; published Sept. 12, 1939. Class 46.

I. T. S. Company, The, Elyria, Ohio. Rubber heels. 373,055; Nov. 21; Serial No. 421,517; published Sept. 5, 1939. Class 39.

Impregnole Corporation, New York, N. Y. Chemicals. 372,971; Nov. 21; Serial No. 419,900; published Sept. 5, 1939. Class 6.

Industrial Products Company, Philadelphia, Pa. Anti-moisture chemical preparation. 372,957; Nov. 21; Serial No. 419,722; published Sept. 12, 1939. Class 4.

International Harvester Company of America, assignor to International Harvester Company, Chicago, Ill. Periodical. 127,955; renewed Dec. 16, 1939.

International Harvester Company of America, assignor to International Harvester Company, Chicago, Ill. Periodical. 127,957; renewed Dec. 16, 1939.

Iodi-Phen Company. (See Moore, Mabel L.)

Jones, Robert L., doing business as Tropical Insecticide Co., Fort Lauderdale, Fla. Insecticide. 372,966; Nov. 21; Serial No. 419,867; published Sept. 5, 1939. Class 6.

Julep Company, The, Chicago, Ill. Beverages, soda fountain syrups, bottlers' flavors, etc. 373,070; Nov. 21; Serial No. 421,778; published Sept. 12, 1939. Class 45.

Kahn, David, Inc., North Bergen, N. J. Fountain pens and pencils. 373,097; Nov. 21. Class 37.

Kemp, E. F., Inc., Somerville, Mass. Confection. 372,924; Nov. 21; Serial No. 416,327; published Sept. 12, 1939. Class 46.

Kenya Corporation, New York, N. Y. Woven cotton, mohair, and rayon fabrics. 372,944; Nov. 21; Serial No. 418,881; published Sept. 12, 1939. Class 42.

King, Robert C., & Co., New York, N. Y. Underwear and hosiery. 130,326; renewed Apr. 20, 1940.

King, Robert C., & Co., New York, N. Y. Underwear. 120,327; renewed Apr. 20, 1940.

Klein, Franz O., Traben-Trarbach, Germany. Natural ethereal oils for cosmetic purposes and perfumes. 373,083; Nov. 21; Serial No. 422,173; published Sept. 12, 1939. Class 6.

Knight, J. B., Sr., doing business as Old 97 Manufacturing Company and La Charma Company, Tampa, Fla. Preparation for use as a mouth-wash, gargle, shampoo, etc. 372,974; Nov. 21; Serial No. 419,989; published Sept. 12, 1939. Class 6.

Knott, Wm. T., Company, Inc., New York, N. Y. Face powder, facial creams, and lotions, etc. 372,929; Nov. 21; Serial No. 417,338; published Sept. 12, 1939. Class 6.

Kohl, Otto A., doing business as Bupane Gas Company, Cedar Rapids, Iowa. Liquefied petroleum gas. 372,961; Nov. 21; Serial No. 419,811; published Aug. 29, 1939. Class 6.

Kono, Alexander, doing business as The Kono Manufacturing Company, New York, N. Y. Eyeglass and spectacle frames and parts therefor. 372,939; Nov. 21; Serial No. 418,641; published Sept. 12, 1939. Class 26.

Kovac Laboratories, Inc., Los Angeles, Calif. Food beverage. 372,973; Nov. 21; Serial No. 419,940; published Sept. 12, 1939. Class 46.

Kress, S. H., and Company, New York, N. Y. Hatchets, hammers, bread knives, etc. 372,913; Nov. 21; Serial No. 412,645; published Sept. 12, 1939. Class 23.

La Charma Company. (See Knight, J. B., Sr.)

La Crosse Rubber Mills Co., La Crosse, Wis. Canvas footwear. 372,991; Nov. 21; Serial No. 420,417; published Sept. 5, 1939. Class 39.

Lake Wales Citrus Growers Association, Lake Wales, Fla. Citrus fruits. 130,337; renewed Apr. 20, 1940.

Landolt, Robert, Zurich, Switzerland. Vaccines or inoculating substances. 372,918; Nov. 21; Serial No. 415,083; published Sept. 5, 1939. Class 6.

Lehn & Fink, Inc., New York, N. Y., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J. Preparation for coloring the hair. 129,769; renewed Mar. 9, 1940.

Lekas & Drivas, Inc., New York, N. Y. Olive oil. 373,071; Nov. 21; Serial No. 421,781; published Sept. 12, 1939. Class 46.

Leota's. (See Creasy, Charles D.)

Lethelin Products Company, Inc. (See Curex, Inc., assignor.)

Lewel Mfg. Co., Inc., New York, N. Y. Girdles, brassières, corsets, and foundation garments. 373,041; Nov. 21; Serial No. 421,311; published Sept. 5, 1939. Class 39.

Lion Auto Parts & Mfg. Co., Chicago, Ill. Diaphragms for fuel pumps, mufflers for engines and tail pipes therefor. 372,903; Nov. 21; Serial No. 406,928; published Sept. 12, 1939. Class 23.

Lion Knitting Mills Company, The, Cleveland, Ohio. Knitted caps and mufflers. 130,346; renewed Apr. 20, 1940.

Llewellyn Laboratories, Inc., assignor, by mesne assignments, to Roses and Myrrh Inc., Philadelphia, Pa. Solution for human hygiene. 372,940; Nov. 21; Serial No. 418,687; published Aug. 29, 1939. Class 6.

Locke, H. E., & Company, Inc., now, by change of name to The General Thread Mills, Inc., Boston, Mass. Thread and yarn. 130,088; renewed Apr. 6, 1940.

Locke, H. E., & Company, Inc., now by change of name to The General Thread Mills, Inc., Boston, Mass. Thread and yarn. 130,204; renewed Apr. 13, 1940.

Lou-Bob Company. (See Goldman, Louis M.)

Lowell, Mary, Laboratories. (See Shipman, Ray.)

Lubben, Henry R., Cedar Rapids, Iowa. Lounge chair. 373,096; Nov. 21. Class 32.

Lubrite Refining Company, St. Louis, Mo., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum products. 128,435; renewed Jan. 6, 1940.

Lucidol Corporation, Buffalo, N. Y. Organic peroxides and mixtures containing the same. 373,049; Nov. 21; Serial No. 421,383; published Sept. 12, 1939. Class 6.

Machlett Laboratories Incorporated, Springdale, Conn. X-ray tubes and housings therefor. 372,958; Nov. 21; Serial No. 419,725; published Sept. 12, 1939. Class 44.

Mac-It Parts Company, Lancaster, Pa. Rivet-sets, and metal-working punches. 130,209; renewed Apr. 13, 1940.

Mack Brothers Products, San Diego, Calif. Tissue cream for the skin. 373,006; Nov. 21; Serial No. 420,771; published Sept. 5, 1939. Class 6.

Maggott Products Company, Chicago, Ill. Pharmaceutical preparation. 372,962; Nov. 21; Serial No. 419,815; published Sept. 12, 1939. Class 6.

Magnesol Company, The, New York, N. Y. Silicious filtering and decolorizing material and adsorbents. 373,062; Nov. 21; Serial No. 421,708; published Sept. 5, 1939. Class 6.

Main Laboratories, Inc., Olympia, Wash. Liquid gas. 373,018; Nov. 21; Serial No. 420,961; published Aug. 29, 1939. Class 6.

Marcalus Manufacturing Co., Inc., Elizabeth, N. J. Drinking straws. 373,031; Nov. 21; Serial No. 421,092; published Sept. 12, 1939. Class 50.

Massey-Harris Harvester Co. Inc., Batavia, N. Y., assignor to The Massey-Harris Company, Racine, Wis. Agricultural machinery. 130,361; renewed Apr. 20, 1940.

Maumee Collieries Company, The, Terre Haute, Ind. Coal. 373,042; Nov. 21; Serial No. 421,312; published Sept. 12, 1939. Class 1.

Maumee Color Company, Incorporated, Maumee, Ohio. Food coloring materials. 372,951; Nov. 21; Serial No. 419,265; published Sept. 5, 1939. Class 6.

McAbee, Paul C., Westport, Conn. Bottle stoppers. 372,950; Nov. 21; Serial No. 419,151; published Sept. 12, 1939. Class 50.

McGonigle, Arthur T., Reading, Pa. Cheese flavored popcorn. 372,955; Nov. 21; Serial No. 419,537; published Sept. 12, 1939. Class 46.

Medical Tea Company of California, Inc., Los Angeles, Calif. Medical tea. 372,959–60; Nov. 21; Serial Nos. 419,728–9; published Sept. 5, 1939. Class 6.

Mehlman, Joseph, Los Angeles, Calif. Safety paper for use in making ticket blanks. 372,922; Nov. 21; Serial No. 415,659; published Sept. 12, 1939. Class 37.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Vaccines. 373,050; Nov. 21; Serial No. 421,434; published Sept. 5, 1939. Class 6.

Meta Cine Company. (See Bradley, John W.)

Meyenberg Milk Products Co., Salinas, Calif. Canned evaporated goat milk. 372,920; Nov. 21; Serial No. 415,133; published Sept. 12, 1939. Class 46.

Meyers, Louis, & Son, Inc., New York, N. Y. Leather in the piece. 372,917; Nov. 21; Serial No. 414,749; published Sept. 12, 1939. Class 1.

Mikulas, M. M., doing business as Mylans-Homethic Co., San Francisco, Calif. Bioplasm tablets. 372,919; Nov. 21; Serial No. 415,097; published Sept. 12, 1939. Class 6.

Milton, Michael, assignor to Milton Paper Company, Inc., New York, N. Y. Writing-paper. 128,791; renewed Jan. 13, 1940.

Monroe Chemical Company, Quincy, Ill. Dyes, bluing, and asafoetida. 373,007; Nov. 21; Serial No. 420,794; published Sept. 5, 1939. Class 6.

Moore, Mabel L., doing business as Iodi-Phen Company, Handsborough, Miss. Mouthwash and gargle. 372,956; Nov. 21; Serial No. 419,625; published Sept. 5, 1939. Class 6.

Mouakad Bros. Inc., New York, N. Y. Piece goods. 373,034; Nov. 21; Serial No. 421,153; published Sept. 12, 1939. Class 42.

Mupu Citrus Association, Santa Paula, Calif. Fresh citrus fruit. 373,063; Nov. 21; Serial No. 421,710; published Sept. 12, 1939. Class 46.

Mylans-Homethic Co. (See Mikulas, M. M.)

National Lock Co., Rockford, Ill. Locks and keys. 373,091; Nov. 21. Class 25.

Neighbor Products Co., Chicago, Ill. Vitamin capsules. 373,019; Nov. 21; Serial No. 420,963; published Sept. 12, 1939. Class 6.

New England Collapsible Tube Company, The, New London, Conn. Paint, lacquer, and enamel coatings for collapsible tubes and containers. 372,983; Nov. 21; Serial No. 420,235; published Sept. 12, 1939. Class 16.

Nikitas, Ida, doing business as Alglee Medicine Co., Chicago, Ill. Ointment and a powder for diseases of the skin. 373,023; Nov. 21; Serial No. 421,007; published Sept. 12, 1939. Class 6.

Nord-Buffum Pearl Button Company, The, Louisiana, Mo. Pearl baking shells and serving dishes. 372,948; Nov. 21; Serial No. 419,056; published Sept. 12, 1939. Class 13.

North American Dye Corporation, New Rochelle, assignor to North American Dye Corporation, Mount Vernon, N. Y. Dyes. 129,999; renewed Mar. 16, 1940.

Northam Warren Corporation, New York, N. Y. Nail polish. 373,024–5; Nov. 21; Serial Nos. 421,009–10; published Sept. 12, 1939. Class 6.

Nu-Bak Laboratories, Inc., Jacksonville, Fla. Effervescent diuretic tablet. 373,072; Nov. 21; Serial No. 421,783; published Sept. 5, 1939. Class 6.

Nyal Company, Detroit, Mich. Laxative and cathartic preparation. 373,032; Nov. 21; Serial No. 421,096; published Sept. 12, 1939. Class 6.

O. K. Mills. (See Ballard & Ballard Company, Inc.)

Offenhauser, Christopher, also doing business as Consolidated Dressed Beef Co., Philadelphia Pa. Fresh ground beef. 372,930; Nov. 21; Serial No. 417,342; published Sept. 12, 1939. Class 46.

Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Ladies' hats. 372,928; Nov. 21; Serial No. 417,233; published Sept. 5, 1939. Class 39.

Old 97 Manufacturing Company. (See Knight, J. B., Sr.)

Osmun, Ralph H. (See Fidelity Medical Supply Co., The, assignor.)

Penick & Ford, Ltd. Incorporated. (See Hardaway-Cargill Co., assignor.)

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint brushes. 372,933; Nov. 21; Serial No. 417,976; published Sept. 12, 1939. Class 29.

Plough, Inc., Memphis, Tenn. Cough syrup, laxative quinine tablets, cough drops, etc. 372,938; Nov. 21; Serial No. 418,598; published Aug. 29, 1939. Class 6.

Powell, John, & Co., Inc., New York, N. Y. Series of water soluble perfume oils. 373,088; Nov. 21; Serial No. 422,341; published Sept. 12, 1939. Class 6.

Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Pharmaceutical preparation. 372,996–7; Nov. 21; Serial Nos. 420,543–4; published Sept. 5, 1939. Class 6.

Price, Robert N., Chicago, Ill. Beverages. 373,043–4; Nov. 21; Serial Nos. 421,320–1; published Sept. 12, 1939. Class 45.

Raggett, George, & Sons Limited, London, England. Stout. 372,911; Nov. 21; Serial No. 411,968; published Sept. 12, 1939. Class 48.

Ries, Jacob, Bottling Works, Inc., Shakopee, Minn. Beverage. 130,229; renewed Apr. 13, 1940.

Rit Products Corporation, doing business as Riturna Laboratories, Chicago, Ill. Hair coloring. 373,082; Nov. 21; Serial No. 422,152; published Sept. 5, 1939. Class 6.

Riturna Laboratories. (See Rit Products Corporation.)

Rizzuto, Raye, New York, N. Y. Candy. 373,064; Nov. 21; Serial No. 421,714; published Sept. 12, 1939. Class 46.

Rolls Razor Inc., New York, N. Y. Machines for hair cutting and shaving and parts thereof. 372,945; Nov. 21; Serial No. 418,945; published Sept. 12, 1939. Class 23.

Rosenbloom, Jack, Kew Gardens, N. Y. Blank checks and trading certificates. 372,905; Nov. 21; Serial No. 407,606; published Sept. 12, 1939. Class 37.

Rosenbluth, Edwin M., doing business as Rose Manufacturing Company, Philadelphia, Pa. Fungicides and insecticides. 373,079; Nov. 21; Serial No. 422,018; published Sept. 12, 1939. Class 6.

Roses and Myrrh Inc. (See Llewellyn Laboratories, Inc., assignor.)

Rubinstein, Helena, Inc., New York, N. Y. Lipsticks, rouge, and face powder. 372,984; Nov. 21; Serial No. 420,239; published Sept. 12, 1939. Class 6.

Ryan Fruit Company, Seattle, Wash. Fresh citrus fruits. 130,399; renewed Apr. 20, 1940.

Sage, Peggy, Inc., New York, N. Y. Nail polish. 373,084; Nov. 21; Serial No. 422,180; published Sept. 12, 1939. Class 6.

Sands, Sally, doing business as Car-Cal Winery, Greensboro, N. C. Wine. 372,994; Nov. 21; Serial No. 420,501; published Sept. 12, 1939. Class 47.

Schlosser, Abraham, New York, N. Y. Mechanical pencils. 373,010; Nov. 21; Serial No. 420,877; published Sept. 12, 1939. Class 37.

Schuck, Joseph H., Mamaroneck, N. Y. Preparation for cleaning and treating boiler and heating systems. 372,946; Nov. 21; Serial No. 418,950; published Sept. 5, 1939. Class 6.

Scolding Locks Corporation, Appleton, Wis. Hairpins and bobby pins. 372,949; Nov. 21; Serial No. 419,128; published Sept. 12, 1939. Class 40.

Screw Conveyor Corporation, Hammond, Ind. Elevating and conveying apparatus. 373,056; Nov. 21; Serial No. 421,541; published Sept. 12, 1939. Class 23.

Scud Research Laboratories, Calumet Park, Ill. Deodorizing, disinfecting, cleansing, and stain removing compound. 372,989; Nov. 21; Serial No. 420,390; published Sept. 5, 1939. Class 6.

Seamans & Cobb Co., Boston, assignor to Seamans & Cobb Co., Hopkinton, Mass. Cotton sewing-threads. 130,404; renewed Apr. 20, 1940.

Sears, Roebuck and Co., Chicago, Ill. Moth-proofing solution. 373,038; Nov. 21; Serial No. 421,261; published Aug. 29, 1939. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Men's shoes. 373,039; Nov. 21; Serial No. 421,264; published Sept. 5, 1939. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Substances causing cellular stimulation. 372,995; Nov. 21; Serial No. 420,502; published Sept. 5, 1939. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Biologically active substances. 373,040; Nov. 21; Serial No. 421,280; published Sept. 12, 1939. Class 6.

Shell Oil Company, Incorporated, St. Louis, Mo. Insecticide base oil. 373,016; Nov. 21; Serial No. 420,917; published Sept. 12, 1939. Class 6.

Shipman, Ray, doing business as Mary Lowell Laboratories, assignor to House of Lowell, Incorporated, Tippecanoe City, Ohio. Toilet articles and cosmetics. 372,900; Nov. 21; Serial No. 392,896; published Aug. 29, 1939. Class 6.

Shulton, Inc., New York, N. Y. Astringents, astringent cerates, cold creams, etc. 372,967; Nov. 21; Serial No. 419,881; published Sept. 5, 1939. Class 6.

Shulton, Inc., New York, N. Y. Combination set consisting of a mug and soap. 372,968; Nov. 21; Serial No. 419,882; published Sept. 12, 1939. Class 50.

Shulton, Inc., New York, N. Y. Combination set consisting of a mug and soap. 372,969; Nov. 21; Serial No. 419,886; published Sept. 12, 1939. Class 50.

Shulton, Inc., New York, N. Y. Astringents, astringent cerates, cold creams, etc. 372,970; Nov. 21; Serial No. 419,887; published Sept. 5, 1939. Class 6.

Silver Pine Mfg. Co. (See Charambura, Henry.)

Smith-Frank Packing Co., Sacramento, assignor, by mesne assignments, to Frank M. Wilson Company, San Francisco, Calif. Canned apricots, dried fruits, and canned tomatoes. 129,080; renewed Jan. 20, 1940.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal agent. 373,000–1; Nov. 21; Serial Nos. 420,601–2; published Sept. 5, 1939. Class 6.

Socony-Vacuum Oil Company, Incorporated. (See Lubrite Refining Company, assignor.)

Solon Palmer, New York, N. Y. Toilet water and perfume. 372,953; Nov. 21; Serial No. 419,344; published Sept. 5, 1939. Class 6.

Sperber Company, Philadelphia, Pa. Textile linings. 373,065; Nov. 21; Serial No. 421,718; published Sept. 12, 1939. Class 42.

Starr Piano Company, The, Richmond, Ind. Musical instruments and supplies. 126,968; renewed Oct. 14, 1939.

Steel Products Engineering Company, The, Springfield, Ohio. Metal working dies. 373,060; Nov. 21; Serial No. 421,625; published Sept. 12, 1939. Class 23.

Stein, Hall & Company, Inc., New York, N. Y. Sizing. 373,020; Nov. 21; Serial No. 420,975; published Sept. 5, 1939. Class 6.

Stephano Brothers, Philadelphia, Pa. Smoking and cigarette tobacco. 372,985; Nov. 21; Serial No. 420,294; published Sept. 12, 1939. Class 17.

Stephano Brothers, Philadelphia, Pa. Cigarettes. 372,993; Nov. 21; Serial No. 420,465; published Sept. 12, 1939. Class 17.

Stern, Charles, & Sons Inc., Los Angeles, Calif., assignor, by mesne assignments, to Farm Crest Bakeries, Incorporated, Wilmington, Del., and Detroit, Mich. Canned peaches and apricots. 128,867–8; renewed Jan. 13, 1940.

Stern, Charles, & Sons Inc., Los Angeles, Calif., assignor, by mesne assignments, to Farm Crest Bakeries, Incorporated, Wilmington, Del., and Detroit, Mich. Canned peaches and apricots. 128,531; renewed Jan. 6, 1940.

Stern, Charles, & Sons Inc., Los Angeles, Calif., assignor, by mesne assignments, to Farm Crest Bakeries, Incorporated, Wilmington, Del., and Detroit, Mich. Canned peaches, canned apricots. 129,225; renewed Jan. 27, 1940.

Swetnam, Hobb, Company, Wichita Falls, Tex. Preparations, compounds, or solutions for the purpose of repairing or mending metal motors, motor parts, etc. 373,003; Nov. 21; Serial No. 420,649; published Sept. 5, 1939. Class 6.

Tabin-Picker & Company, Chicago, Ill. Cotton and rayon piece goods. 373,092; Nov. 21. Class 42.

Takamine Laboratory, Inc., Clifton, N. J. Medicinal preparation. 373,081; Nov. 21; Serial No. 422,108; published Sept. 5, 1939. Class 6.

Talbert-Whitmore Company, Los Angeles, Calif., to The Columbia Mills Inc., New York, N. Y., successor. Shadecloth. 130,423; renewed Apr. 20, 1940.

Tally-Ho Metals Corporation, New York, N. Y. Metal book binders. 372,990; Nov. 21; Serial No. 420,394; published Sept. 12, 1939. Class 37.

Tennessee Corporation, New York, N. Y. Preparation for treatment of sewerage and sewerage sludges, etc. 373,086; Nov. 21; Serial No. 422,220; published Sept. 12, 1939. Class 6.

Tesla, Nikola, New York, N. Y. Poultry food. 372,906; Nov. 21; Serial No. 407,826; published Sept. 5, 1939. Class 46.

Transducer Corporation, New York, N. Y. Cable for transmitting electrical energy. 372,910; Nov. 21; Serial No. 409,216; published Sept. 12, 1939. Class 21.

Tropical Insecticide Co. (See Jones, Robert L.)

Tyrrell and Garth, Inc., Houston, Tex. Canned vegetables, fruits, and fruit juices. 373,100; Nov. 21. Class 46.

Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 130,019; renewed Mar. 23, 1940.

United Drug Company, Boston, Mass. Aromatic fluid extract of cascara sagrada. 373,076; Nov. 21; Serial No. 421,866; published Sept. 5, 1939. Class 6.

United States Finishing Company, The, Norwich, Conn. Textile fabrics. 373,077; Nov. 21; Serial No. 421,954; published Sept. 12, 1939. Class 42.

Van Dyk & Reeves Inc., New York, N. Y. Olives, bottled cherries, dates. 372,976; Nov. 21; Serial No. 420,034; published Sept. 12, 1939. Class 46.

Van Schaack Bros. Chemical Works, Chicago, Ill., to Ault & Wiborg Corporation, New York, N. Y., successor. Waterproof cement. 126,103; renewed July 22, 1939.

Weil, Bernard, Inc., New York, N. Y. Yarns. 372,986; Nov. 21; Serial No. 420,351; published Aug. 22, 1939. Class 43.

Wells-Lamont Manufacturing Company, Minneapolis, Minn., now by change of name to Wells Lamont Smith Corporation, Chicago, Ill. Gloves. 129,562; renewed Feb. 24, 1940.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric fans. 372,904; Nov. 21; Serial No. 407,569; published Sept. 12, 1939. Class 21.

White and Brother, Incorporated, to White Brothers Smelting Corporation, Philadelphia, Pa., successor. Nonferrous metals. 127,163; renewed Oct. 21, 1939.

Whitlock, C. G., Co., Springfield, Ill. Embalming fluid. 372,981; Nov. 21; Serial No. 420,199; published Aug. 29, 1939. Class 6.

Wilson, Frank M., Company. (See Smith-Frank Packing Co., assignor.)

Wilson, M. M., El Cajon, Calif. Fresh fruits. 372,987; Nov. 21; Serial No. 420,353; published Sept. 12, 1939. Class 46.

Wolf, Jacques, & Co., Clifton, N. J. Cationic active softening agent and finish for all textile fibres. 373,045; Nov. 21; Serial No. 421,332; published Aug. 29, 1939. Class 6.

Wolf, Jacques, & Co., Clifton, N. J. Waterproof finish for all textile fibres. 373,046; Nov. 21; Serial No. 421,333; published Aug. 29, 1939. Class 6.

Wolf, Jacques, & Co., Clifton, N. J. Chemical preparation. 373,047; Nov. 21; Serial No. 421,334; published Aug. 29, 1939. Class 6.

Wolverine Products, Inc., Detroit, Mich. Tablets or the like for freshening the taste and for destroying unpleasant breath odors. 373,073; Nov. 21; Serial No. 421,791; published Sept. 5, 1939. Class 6.

LIST OF REGISTRANTS OF LABELS

Adlerika Company, The, St. Paul, Minn. Adla Tablets. For Tablets for Gastric Hyperacidity. 53,930; Nov. 21.

Bradlee Publishing Co., Waltham, Mass. Peace for Our Nation. For a Game. 53,931; Nov. 21.

Chester-Kent, Inc., St. Paul, Minn. Vinol. A Tonic Combining the Vitamin B Complex and Iron with Other Valuable Ingredients. 53,932; Nov. 21.

Fredericks, Barney, St. Louis, Mo. For Safety Thumb 'Em. For Books of Safety Matches. 53,933; Nov. 21.

Gibbons, J. T., Inc., New Orleans, La. Gibbons Master. For Feeds. 53,934; Nov. 21.

Ricker, Clarence A., Duxbury, Mass. Land-of-Bays. For Cranberries. 53,935; Nov. 21.

Salerno-Megowen Biscuit Company, Chicago, Ill. Salerno Chocolate Thins. For Sweetened Thin Wafers or Cookies Flavored with Chocolate, Commercially Termed Chocolate Thins. 53,936; Nov. 21.

Salerno-Megowen Biscuit Company, Chicago, Ill. Salerno Cocoanut Thins. For Sweetened Thin Cookies or Wafers Containing Cocoanut, Commercially Termed Cocoanut Thins. 53,937; Nov. 21.

Salerno-Megowen Biscuit Company, Chicago, Ill. Salerno Vanilla Thins. For Sweetened Thin Wafers or Cookies Flavored with Vanilla, Commercially Termed Vanilla Thins. 53,938; Nov. 21.

Webster Shoe Workers Independent Union, Webster, Mass. Union Made W. S. W. I. U. For Shoes. 53,939; Nov. 21.

LIST OF REGISTRANTS OF PRINTS

Chattanooga Bakery, Inc., Chattanooga, Tenn. Lucky Boy. For Cookies Known Generally by the Trade as Stage Planks. 17,700; Nov. 21.

Ekhardt & Becker Brewing Company, Inc., Detroit, Mich. E and B Special Beer. For Beer. 17,701; Nov. 21.

Ekhardt & Becker Brewing Company, Inc., Detroit, Mich. Riding High. For Beer. 17,702; Nov. 21.

Marion Metal Products Company, The, Marion, Ohio. Cellophalt. For Burial Vault. 17,703; Nov. 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Maumee Collieries Company. 373,042; Nov. 21; Serial No. 421,312; published Sept. 12, 1939.

Leather. J. Greenebaum Tanning Co. 372,908; Nov. 21; Serial No. 408,752; published Jan. 24, 1939.

Leather in the piece. Louis Meyers & Son, Inc. 372,917; Nov. 21; Serial No. 414,749; published Sept. 12, 1939.

CLASS 2

Bags, Paper. Union Bag & Paper Corporation. 130,019; renewed Mar. 23, 1940.

CLASS 4

Abrasive paper and cloth. Behr-Manning Corporation. 372,982; Nov. 21; Serial No. 420,202; published Sept. 12, 1939.
Chemical preparation, Anti-moisture. Industrial Products Company. 372,957; Nov. 21; Serial No. 419,722; published Sept. 12, 1939.
Solvent. Detroit Rex Products Company. 373,027–8; Nov. 21; Serial Nos. 421,067–8; published Sept. 12, 1939.

CLASS 5

Cement, Waterproof. Van Schaack Bros. Chemical Works. 126,103; renewed July 22, 1939.
Glue. Franklin Glue Company. 373,101; Nov. 21.

CLASS 6

Acriflavine hydrochloride; agar and oil; alkaline aromatic tablets; etc. Fidel Drug Company. 373,033; Nov. 21; Serial No. 421,135; published Aug. 29, 1939.
Alcohol, Denatured. L. M. Goldman. 373,030; Nov. 21; Serial No. 421,082; published Aug. 29, 1939.
Anthelmintic and vermifuge. H. B. Delgado. 373,021; Nov. 21; Serial No. 420,989; published Aug. 29, 1939.
Antiseptic and astringent compound. Fidelity Medical Supply Co. 372,907; Nov. 21; Serial No. 407,946; published Sept. 5, 1939.
Astringents, astringent cerates, cold creams, etc. Shulton, Inc. 372,967; Nov. 21; Serial No. 419,881; published Sept. 5, 1939.
Astringents, astringent cerates, cold creams, etc. Shulton, Inc. 372,970; Nov. 21; Serial No. 419,887; published Sept. 5, 1939.
Biologically active substances. Sharp & Dohme, Incorporated. 373,040; Nov. 21; Serial No. 421,280; published Sept. 12, 1939.
Bioplasm tablets. M. M. Mikulas. 372,919; Nov. 21; Serial No. 415,097; published Sept. 12, 1939.
Capsules, Vitamin. Neighbor Products Co. 373,019; Nov. 21; Serial No. 420,963; published Sept. 12, 1939.
Cascara sagrada, Aromatic fluid extract of. United Drug Company. 373,076; Nov. 21; Serial No. 421,866; published Sept. 5, 1939.
Chemical compounds for textiles, Finishing. American Aniline Products, Inc. 373,011; Nov. 21; Serial No. 420,888; published Sept. 12, 1939.
Chemical mixture to be used as a dip disinfectant for seed potatoes. J. L. Hoffman Company. 373,014; Nov. 21; Serial No. 420,908; published Sept. 12, 1939.
Chemical preparation. Jacques Wolf & Co. 373,047; Nov. 21; Serial No. 421,334; published Aug. 29, 1939.
Chemical product. C. A. Gordon. 372,937; Nov. 21; Serial No. 418,337; published Sept. 12, 1939.
Chemicals. Impregnole Corporation. 372,971; Nov. 21; Serial No. 419,900; published Sept. 5, 1939.
Coloring, Hair. Rit Products Corporation. 373,082; Nov. 21; Serial No. 422,152; published Sept. 5, 1939.
Coloring materials, Food. Maumee Color Company. 372,951; Nov. 21; Serial No. 419,265; published Sept. 5, 1939.
Compound for the treatment of certain ailments. P. Caradonna. 373,036; Nov. 21; Serial No. 421,179; published Sept. 5, 1939.
Cough syrup, laxative quinine tablets, cough drops, etc. Plough, Inc. 372,938; Nov. 21; Serial No. 418,598; published Aug. 29, 1939.
Cream for the skin, Tissue. Mack Brothers Products. 373,006; Nov. 21; Serial No. 420,771; published Sept. 5, 1939.
Deodorizer, Body. Harriet Hubbard Ayer, Inc. 373,053; Nov. 21; Serial No. 421,505; published Sept. 5, 1939.
Deodorizing, disinfecting, cleansing, and stain removing compound. Scud Research Laboratories. 372,989; Nov. 21; Serial No. 420,390; published Sept. 5, 1939.
Diuretic tablet, Effervescent. Nu-Bak Laboratories, Inc. 373,072; Nov. 21; Serial No. 421,783; published Sept. 5, 1939.
Douche, Cleansing. J. W. Bradley. 372,963; Nov. 21; Serial No. 419,831; published Sept. 12, 1939.
Dyes. North American Dye Corporation. 129,999; renewed Mar. 16, 1940.
Dyes, bluing, and asafoetida. Monroe Chemical Company. 373,007; Nov. 21; Serial No. 420,794; published Sept. 5, 1939.
Embalming fluid. Embalmers' Supply Company. 128,371; renewed Jan. 6, 1940.
Embalming fluid. C. G. Whitlock Co. 372,981; Nov. 21; Serial No. 420,199; published Aug. 29, 1939.
Fungicide. Curex, Inc. 372,935; Nov. 21; Serial No. 418,188; published Sept. 12, 1939.
Fungicides and insecticides. E. M. Rosenbluth. 373,079; Nov. 21; Serial No. 422,018; published Sept. 12, 1939.
Gas, Liquid. Main Laboratories, Inc. 373,018; Nov. 21; Serial No. 420,961; published Aug. 29, 1939.
Hair and scalp dressing. H. Charambura. 373,087; Nov. 21; Serial No. 422,316; published Sept. 12, 1939.
Hormones, Combination of thyroid and estrogenic. G. W. Carnrick Co. 372,999; Nov. 21; Serial No. 420,574; published Sept. 12, 1939.
Insecticide. R. L. Jones. 372,966; Nov. 21; Serial No. 419,867; published Sept. 5, 1939.
Insecticide base oil. Shell Oil Company. 373,016; Nov. 21; Serial No. 420,917; published Sept. 12, 1939.
Laxative and cathartic preparation. Nyal Company. 373,032; Nov. 21; Serial No. 421,096; published Sept. 12, 1939.
Lime water, camphorated oil, spirit of camphor, etc. Borun Bros. 373,017; Nov. 21; Serial No. 420,930; published Sept. 5, 1939.
Lipsticks. Charles of The Ritz, Inc. 373,059; Nov. 21; Serial No. 421,598; published Sept. 5, 1939.
Lipsticks, rouge, and face powder. Helena Rubinstein, Inc. 372,984; Nov. 21; Serial No. 420,239; published Sept. 12, 1939.
Liquid to be added to refrigerants. Ansul Chemical Company. 372,931; Nov. 21; Serial No. 417,794; published Sept. 12, 1939.
Medical tea. Medical Tea Company of California, Inc. 372,959–60; Nov. 21; Serial Nos. 419,728–9; published Sept. 5, 1939.
Medicinal agent. Smith, Kline & French Laboratories. 373,000–1; Nov. 21; Serial Nos. 420,601–2; published Sept. 5, 1939.
Medicinal compound. Harmon Chemicals, Inc. 372,978; Nov. 21; Serial No. 420,134; published Sept. 12, 1939.
Medicinal preparation. P. Ament. 373,085; Nov. 21; Serial No. 422,192; published Sept. 12, 1939.
Medicinal preparation. Dentarsan Products Company. 372,998; Nov. 21; Serial No. 420,570; published Sept. 5, 1939.
Medicinal preparation. Takamine Laboratory, Inc. 373,081; Nov. 21; Serial No. 422,108; published Sept. 5, 1939.
Medicine, Fowl. J. L. Hoffman Company. 373,013; Nov. 21; Serial No. 420,907; published Sept. 12, 1939.
Moth-proofing solution. Sears, Roebuck and Co. 373,038; Nov. 21; Serial No. 421,261; published Aug. 29, 1939.
Mouthwash and gargle. M. L. Moore. 372,956; Nov. 21; Serial No. 419,625; published Sept. 5, 1939.
Nail polish. Northam Warren Corporation. 373,024–5; Nov. 21; Serial Nos. 421,009–10; published Sept. 12, 1939.
Nail polish. Peggy Sage, Inc. 373,084; Nov. 21; Serial No. 422,180; published Sept. 12, 1939.
Nasal preparation. G. S. Baker. 372,952; Nov. 21; Serial No. 419,323; published Sept. 5, 1939.
Oils for cosmetic purposes and perfumes, Natural ethereal. F. O. Klein. 373,083; Nov. 21; Serial No. 422,173; published Sept. 12, 1939.
Oils, Series of water soluble perfume. John Powell & Co. 373,088; Nov. 21; Serial No. 422,341; published Sept. 12, 1939.
Ointment and a powder for diseases of the skin. I. Nikitas. 373,023; Nov. 21; Serial No. 421,007; published Sept. 12, 1939.
Ointments, topical dressings, medicated salves and creams, etc. E. W. Bullock. 373,061; Nov. 21; Serial No. 421,689; published Sept. 5, 1939.
Peroxides and mixtures containing the same, Organic. Lucidol Corporation. 373,049; Nov. 21; Serial No. 421,383.
Petroleum gas, Liquefied. O. A. Kohl. 372,961; Nov. 21; Serial No. 419,811; published Aug. 29, 1939.
Pharmaceutical preparation. Cole Chemical Company. 372,921; Nov. 21; Serial No. 415,380; published Sept. 5, 1939.
Pharmaceutical preparation. C. A. Deshell Corporation. 372,923; Nov. 21; Serial No. 416,180; published Sept. 12, 1939.
Pharmaceutical preparation. Maggott Products Company. 372,962; Nov. 21; Serial No. 419,815; published Sept. 12, 1939.
Pharmaceutical preparation. Premo Pharmaceutical Laboratories, Inc. 372,996–7; Nov. 21; Serial Nos. 420,543–4; published Sept. 5, 1939.
Polish, nail polish remover, and cuticle remover, Nail. Henkel-Clauss Company. 372,902; Nov. 21; Serial No. 404,648; published Sept. 12, 1939.
Powder, facial creams and lotions, Face. Wm. T. Knott Company. 372,929; Nov. 21; Serial No. 417,338; published Sept. 12, 1939.
Powder for athlete's foot, odorous feet, etc. Fox-Paw Products. 373,051; Nov. 21; Serial No. 421,457; published Sept. 5, 1939.
Preparation for application to livestock, Liquid. Dorsey and Ridley. 372,947; Nov. 21; Serial No. 419,012; published Sept. 12, 1939.
Preparation for application to metal to prevent or arrest corrosion. D. W. Haering & Company. 373,080; Nov. 21; Serial No. 422,053.
Preparation for cleaning and treating boiler and heating systems. J. H. Schuck. 372,946; Nov. 21; Serial No. 418,950; published Sept. 5, 1939.
Preparation for coloring the hair. Lehn & Fink, Inc. 129,769; renewed Mar. 9, 1940.
Preparation for treatment of sewerage and sewerage sludges, etc. Tennessee Corporation. 373,086; Nov. 21; Serial No. 422,220; published Sept. 12, 1939.
Preparation for use as a mouth-wash, gargle, shampoo, etc. J. B. Knight, Sr. 372,974; Nov. 21; Serial No. 419,989; published Sept. 12, 1939.
Preparation for use as an expectorant and cough sedative. Burrough Brothers Manufacturing Company. 373,089; Nov. 21; Serial No. 422,392; published Sept. 12, 1939.
Preparation for use on the hair and scalp. C. Fierstein. 373,037; Nov. 21; Serial No. 421,183; published Sept. 12, 1939.

Preparation possessing alterative properties, Internal. Firm of R. W. Gardner. 373,029; Nov. 21; Serial No. 421,074; published Sept. 5, 1939.
Preparation used by dentists for the alleviation of pain. M. J. Holland. 373,015; Nov. 21; Serial No. 420,909; published Sept. 12, 1939.
Preparation used in the treatment of general anasarca, dropsy, etc. Anademin Chemical Company. 373,068; Nov. 21; Serial No. 421,756; published Sept. 5, 1939.
Preparations, compounds, or solutions for the purpose of repairing or mending metal motors, motor parts, etc. Hobb Swetnam Company. 373,003; Nov. 21; Serial No. 420,649; published Sept. 5, 1939.
Silicious filtering and decolorizing material and adsorbents. Magnesol Company. 373,062; Nov. 21; Serial No. 421,708; published Sept. 5, 1939.
Sizing. Stein, Hall & Company. 373,020; Nov. 21; Serial No. 420,975; published Sept. 5, 1939.
Softening agent and finish for all textile fibres, Cationic active. Jacques Wolf & Co. 373,045; Nov. 21; Serial No. 421,332; published Aug. 29, 1939.
Solution for human hygiene. Llewellyn Laboratories, Inc. 372,940; Nov. 21; Serial No. 418,687; published Aug. 29, 1939.
Substances causing cellular stimulation. Sharp & Dohme, Incorporated. 372,995; Nov. 21; Serial No. 420,502; published Sept. 5, 1939.
Tablets containing specified amounts of a certain drug. Haack Bros. Manufacturing Pharmacists. 372,988; Nov. 21; Serial No. 420,371; published Sept. 5, 1939.
Tablets or the like for freshening the taste and for destroying unpleasant breath odors. Wolverine Products, Inc. 373,073; Nov. 21; Serial No. 421,791; published Sept. 5, 1939.
Therapeutic agent. G. W. Carnrick Co. 373,002; Nov. 21; Serial No. 420,623; published Sept. 12, 1939.
Toilet articles and cosmetics. R. Shipman. 372,900; Nov. 21; Serial No. 392,896; published Aug. 29, 1939.
Toilet preparations, Set of. Elizabeth Arden Inc. 373,058; Nov. 21; Serial No. 421,594; published Sept. 12, 1939.
Toilet water and perfume. Solon Palmer. 372,953; Nov. 21; Serial No. 419,344; published Sept. 5, 1939.
Tonic, General. C. D. Creasy. 372,927; Nov. 21; Serial No. 417,045; published Sept. 12, 1939.
Tonic, Medicinal restorative. G. W. Carnrick Co. 373,078; Nov. 21; Serial No. 421,996; published Sept. 5, 1939.
Vaccines. Wm. S. Merrell Company. 373,050; Nov. 21; Serial No. 421,434; published Sept. 5, 1939.
Vaccines or inoculating substances. R. Landolt. 372,918; Nov. 21; Serial No. 415,083; published Sept. 5, 1939.
Water softener. Harriet Hubbard Ayer, Inc. 373,052; Nov. 21; Serial No. 421,504; published Sept. 5, 1939.
Waterproof finish for all textile fibres. Jacques Wolf & Co. 373,046; Nov. 21; Serial No. 421,333; published Aug. 29, 1939.

CLASS 13

Baking shells and serving dishes, Pearl. Nord-Buffum Pearl Button Company. 372,948; Nov. 21; Serial No. 419,056; published Sept. 12, 1939.
Clips, Advertising sign tag holding. E. C. Brownell. 372,975; Nov. 21; Serial No. 419,996; published Sept. 12, 1939.

CLASS 14

Metals, Non-ferrous. White and Brother, Incorporated. 127,163; renewed Oct. 21, 1939.

CLASS 15

Petroleum products. Lubrite Refining Company. 128,435; renewed Jan. 6, 1940.

CLASS 16

Paint, lacquer, and enamel coatings for collapsible tubes and containers. New England Collapsible Tube Company. 372,983; Nov. 21; Serial No. 420,235; published Sept. 12, 1939.
Paints and painters' materials. C. R. Cook Paint Company. 126,265; renewed Aug. 19, 1939.

CLASS 17

Cigarettes. Stephano Brothers. 372,993; Nov. 21; Serial No. 420,465; published Sept. 12, 1939.
Cigarettes, cigars, tobacco. American Tobacco Company. 130,029; renewed Apr. 6, 1940.
Cigars, cigarettes, and smoking-tobacco. R. & J. Hill, Limited. 129,000; renewed Jan. 20, 1940.
Tobacco, Smoking and cigarette. Stephano Brothers. 372,985; Nov. 21; Serial No. 420,294; published Sept. 12, 1939.

CLASS 19

Dump bodies, Automotive. Gallon Metallic Vault Company. 373,093; Nov. 21.

CLASS 21

Cable for transmitting electrical energy. Transducer Corporation. 372,910; Nov. 21; Serial No. 409,216; published Sept. 12, 1939.
Cookers, Electric. Gibralter Manufacturing Company. 373,022; Nov. 21; Serial No. 420,996; published Sept. 12, 1939.
Devices for sterilizing articles, Electrically operated. Hobart Manufacturing Company. 372,980; Nov. 21; Serial No. 420,179; published Sept. 12, 1939.
Fans, Electric. Westinghouse Electric & Manufacturing Company. 372,904; Nov. 21; Serial No. 407,569; published Sept. 12, 1939.
Insulating compound and electrical insulating compound. Hercules Powder Company. 372,912; Nov. 21; Serial No. 412,641; published Sept. 12, 1939.

CLASS 22

Cards and slides for an amusement game. P. Fischer. 373,090; Nov. 21.

CLASS 23

Agricultural machinery. Massey-Harris Harvester Co. Inc. 130,361; renewed Apr. 20, 1940.
Diaphragms for fuel pumps, mufflers for engines and tail pipes therefor. Lion Auto Parts & Mfg. Co. 372,903; Nov. 21; Serial No. 406,928; published Sept. 12, 1939.
Dies, Metal working. Steel Products Engineering Company. 373,060; Nov. 21; Serial No. 421,625; published Sept. 12, 1939.
Elevating and conveying apparatus. Screw Conveyer Corporation. 373,056; Nov. 21; Serial No. 421,541; published Sept. 12, 1939.
Farm and garden implements. Gamble Stores Incorporated. 372,934; Nov. 21; Serial No. 418,099; published Sept. 12, 1939.
Hatchets, hammers, bread knives, etc. S. H. Kress and Company. 372,913; Nov. 21; Serial No. 412,645; published Sept. 12, 1939.
Machines for drilling, tapping, and bevelling the ends of carbon rods. Ace Film Laboratories, Inc. 373,004; Nov. 21; Serial No. 420,708; published Sept. 12, 1939.
Machines for hair cutting and shaving and parts thereof. Rolls Razor Inc. 372,945; Nov. 21; Serial No. 418,945; published Sept. 12, 1939.
Presses, particularly adapted for squaring bacon slabs. Albany Packing Company. 373,098; Nov. 21.
Rivet-sets, and metal-working punches. Mac-It Parts Company. 130,209; renewed Apr. 13, 1940.
Soda fountains and parts therefor. Fischman Company. 373,005; Nov. 21; Serial No. 420,756; published Sept. 12, 1939.

CLASS 25

Locks and keys. National Lock Co. 373,091; Nov. 21.

CLASS 26

Camera, sensitized photographic films, photographic printing papers, etc. Bronx Camera Exchange & Supply Co. 372,954; Nov. 21; Serial No. 419,415; published Sept. 12, 1939.
Eyeglass and spectacle frames and parts therefor. A. Kono. 372,939; Nov. 21; Serial No. 418,641; published Sept. 12, 1939.
Rules and gages, Measuring. Cleveland Twist Drill Company. 373,099; Nov. 21.

CLASS 29

Brushes, Paint. Pittsburgh Plate Glass Company. 372,933; Nov. 21; Serial No. 417,976; published Sept. 12, 1939.

CLASS 32

Chair, Longe. H. R. Lubben. 373,096; Nov. 21.

CLASS 34

Furnaces, Industrial heating and melting. Amsler-Morton Company. 372,992; Nov. 21; Serial No. 420,443; published Sept. 12, 1939.

CLASS 36

Musical instruments and supplies. Starr Piano Company. 126,968; renewed Oct. 14, 1939.

CLASS 37

Book binders, Metal. Tally-Ho Metals Corporation. 372,990; Nov. 21; Serial No. 420,394; published Sept. 12, 1939.
Checks and trading certificates, Blank. J. Rosenbloom. 372,905; Nov. 21; Serial No. 407,606; published Sept. 12, 1939.
Paper for use in making ticket blanks, Safety. J. Mehlman. 372,922; Nov. 21; Serial No. 415,659; published Sept. 12, 1939.
Paper, Writing. M. Milton. 128,791; renewed Jan. 13, 1940.
Pencils, Mechanical. A. Schlosser. 373,010; Nov. 21; Serial No. 420,877; published Sept. 12, 1939.
Pens and pencils, Fountain. David Kahn, Inc. 373,097; Nov. 21.
Pens, lead-pencils, etc., Fountain. A. T. Cross Pencil Co. 129,664; renewed Mar. 9, 1940.
Stamps and stencils, Rubber. A. C. Gibson Company. 130,303; renewed Apr. 20, 1940.
Tissue, Paper facial. Biltmore Paper Co. Inc. 372,909; Nov. 21, 1939; Serial No. 408,873; published Sept. 12, 1939.

CLASS 38

Periodical. International Harvester Company of America. 127,955; renewed Dec. 16, 1939.
Periodical. International Harvester Company of America. 127,957; renewed Dec. 16, 1939.
Publication, Periodical. E. M. Arnold. 373,057; Nov. 21; Serial No. 421,557; published Sept. 12, 1939.

CLASS 39

Boots and shoes, overshoes, etc., Rubber. Hood Rubber Company. 127,059; renewed Oct. 21, 1939.
Caps and mufflers, Knitted. Lion Knitting Mills Company. 130,346; renewed Apr. 20, 1940.
Footwear, Canvas. La Crosse Rubber Mills Co. 372,991; Nov. 21; Serial No. 420,417; published Sept. 5, 1939.
Girdles and foundation garments. Formfit Company. 373,066; Nov. 21; Serial No. 421,733; published Sept. 5, 1939.
Girdles and foundation garments. Formfit Company. 373,067; Nov. 21; Serial No. 421,735; published Sept. 5, 1939.
Girdles, brassières, corsets, and foundation garments. Lewel Mfg. Co. 373,041; Nov. 21; Serial No. 421,311; published Sept. 5, 1939.
Gloves. Wells-Lamont Manufacturing Company. 129,562; renewed Feb. 24, 1940.
Gloves, Work. M. S. Baus. 373,054; Nov. 21; Serial No. 421,507; published Sept. 5, 1939.
Hats, Ladies'. Ogus, Rabinovich & Ogus, Inc. 372,928; Nov. 21; Serial No. 417,233; published Sept. 5, 1939.
Heels, Rubber. I. T. S. Company. 373,055; Nov. 21; Serial No. 421,517; published Sept. 5, 1939.
Neckties, mufflers, and handkerchiefs. Goldman Sarlow Co. 372,926; Nov. 21; Serial No. 417,009; published Sept. 5, 1939.
Shoes. Ephrata Shoe Company. 372,979; Nov. 21; Serial No. 420,171; published Sept. 5, 1939.
Shoes, Men's. Sears, Roebuck and Co. 373,039; Nov. 21; Serial No. 421,264 published Sept. 5, 1939.
Underwear, Robert C. King & Co. 130,327; renewed Apr. 20, 1940.
Underwear and hosiery. Robert C. King & Co. 130,326; renewed Apr. 20, 1940.

CLASS 40

Buttons, medallions, pins, etc. H. Fishlove & Co. 372,914; Nov. 21; Serial No. 412,964; published Sept. 5, 1939.
Buttons, medallions, pins, etc. H. Fishlove & Co. 372,915; Nov. 21; Serial No. 412,965; published Sept. 12, 1939.
Hairpins and bobby pins. Scolding Locks Corporation. 372,949; Nov. 21; Serial No. 419,128; published Sept. 12, 1939.

CLASS 42

Cloth. Broad Brook Company. 372,932; Nov. 21; Serial No. 417,832; published Sept. 12, 1939.
Cloth, Shade. Talbert-Whitmore Company. 130,423; renewed Apr. 20, 1940.
Cotton and rayon piece goods. Tabin-Picker & Company. 373,092; Nov. 21.
Cotton, mohair, and rayon fabrics, Woven. Kenya Corporation. 372,944; Nov. 21; Serial No. 418,881; published Sept. 12, 1939.
Fabrics, Textile. United States Finishing Company. 373,077; Nov. 21; Serial No. 421,954; published Sept. 12, 1939.
Linings, Textile. Sperber Company. 373,065; Nov. 21; Serial No. 421,718; published Sept. 12, 1939.
Piece goods. Gernes Garment Company. 372,936; Nov. 21; Serial No. 418,300; published Sept. 12, 1939.
Piece goods. Mouakad Bros. Inc. 373,034; Nov. 21; Serial No. 421,153; published Sept. 12, 1939.
Piece goods of wool. William Hollins & Company. 373,069; Nov. 21; Serial No. 421,776; published Sept. 12, 1939.
Rugs, mats, and seat covers, Textile bath. Callaway Mills. 373,035; Nov. 21; Serial No. 421,177; published Sept. 12, 1939.

CLASS 43

Thread and yarn. H. E. Locke & Company. 130,088; renewed Apr. 6, 1940.
Thread and yarn. H. E. Locke & Company. 130,204; renewed Apr. 13, 1940.
Threads, Cotton sewing. Seamans & Cobb Co. 130,404; renewed Apr. 20, 1940.
Yarns. Bernard Weil, Inc. 372,986; Nov. 21; Serial No. 420,351; published Aug. 22, 1939.
Yarns, threads, and yarn and thread filaments. American Viscose Corporation. 373,048; Nov. 21; Serial No. 421,365; published Sept. 5, 1939.

CLASS 44

Tape, Adhesive. P. Beiersdorf & Co. 373,074; Nov. 21; Serial No. 421,839; published Sept. 12, 1939.
X-ray tubes and housings therefor. Machlett Laboratories Incorporated. 372,958; Nov. 21; Serial No. 419,725; published Sept. 12, 1939.

CLASS 45

Beverage. Jacob Ries Bottling Works, Inc. 130,229; renewed Apr. 13, 1940.
Beverage and concentrate for making same. Green & Green Inc. 372,916; Nov. 21; Serial No. 413,478; published Sept. 12, 1939.
Beverages. R. N. Price. 373,043–4; Nov. 21; Serial Nos. 421,320–1; published Sept. 12, 1939.
Beverages, soda fountain syrups, bottlers' flavors, etc. Julep Company. 373,070; Nov. 21; Serial No. 421,778; published Sept. 12, 1939.
Water and its products, Spring. Chippewa Springs Corporation. 130,164; renewed Apr. 13, 1940.

CLASS 46

Beef, Fresh ground. C. Offenhauser. 372,930; Nov. 21; Serial No. 417,342; published Sept. 12, 1939.
Candy. Campus Candy Co. 372,964; Nov. 21; Serial No. 419,846; published Sept. 12, 1939.
Candy. R. Rizzuto. 373,064; Nov. 21; Serial No. 421,714; published Sept. 12, 1939.
Candles. Henry Heide, Incorporated. 373,012; Nov. 21; Serial No. 420,904; published Sept. 12, 1939.
Canned apricots, dried fruits, and canned tomatoes. Smith-Frank Packing Co. 129,080; renewed Jan. 20, 1940.
Canned evaporated goat milk. Meyenberg Milk Products Co. 372,920; Nov. 21; Serial No. 415,133; published Sept. 12, 1939.
Canned fruits and vegetables, canned sauerkraut, etc. W. A. Gemant. 372,977; Nov. 21; Serial No. 420,099; published Sept. 12, 1939.
Canned peaches and apricots. Charles Stern & Sons Inc. 128,531; renewed Jan. 6, 1940.
Canned peaches and apricots. Charles Stern & Sons Inc. 128,867–8; renewed Jan. 13, 1940.
Canned peaches, canned apricots. Charles Stern & Sons Inc. 129,225; renewed Jan. 27, 1940.
Canned shrimp. J. M. Humphreys. 373,026; Nov. 21; Serial No. 421,042; published Sept. 12, 1939.
Canned vegetables; coffee, mayonnaise, etc. Easton Wholesale Grocery Company. 373,094; Nov. 21.
Canned vegetables, fruits, and fruit juices. Tyrrell and Garth, Inc. 373,100; Nov. 21.
Confection. E. F. Kemp, Inc. 372,924; Nov. 21; Serial No. 416,327; published Sept. 12, 1939.
Corn and cane products syrups. Hardaway-Cargill Co. 130,183; renewed Apr. 13, 1940.
Feeds. Ballard & Ballard Company. 372,942; Nov. 21; Serial No. 418,702; published Sept. 12, 1939.
Flour. Ballard & Ballard Company. 372,941; Nov. 21; Serial No. 418,701; published Sept. 12, 1939.
Food beverage. Kovac Laboratories, Inc. 372,973; Nov. 21; Serial No. 419,940; published Sept. 12, 1939.
Food, Poultry. N. Tesla. 372,906; Nov. 21; Serial No. 407,826; published Sept. 5, 1939.
Fruit, Fresh citrus. Mapu Citrus Association. 373,063; Nov. 21; Serial No. 421,710; published Sept. 12, 1939.
Fruit preserves, jams, vegetable pickle relishes, etc. M. B. Gosnell. 127,186; renewed Oct. 21, 1939.
Fruits, Citrus. Lake Wales Citrus Growers Association. 130,337; renewed Apr. 20, 1940.
Fruits, Fresh. M. M. Wilson. 372,987; Nov. 21; Serial No. 420,353; published Sept. 12, 1939.
Fruits, Fresh citrus. Ryan Fruit Company. 130,399; renewed Apr. 20, 1940.
Gingerbread. P. Freund. 372,925; Nov. 21; Serial No. 416,847; published Sept. 5, 1939.
Gum, Chewing. Gumakers of America, Inc. 372,943; Nov. 21; Serial No. 418,713; published Sept. 12, 1939.
Ice-cream, frozen custards, and ices. Hendler Creamery Co. 128,401; renewed Jan. 6, 1940.
Lard, spiced pork and beef, and vegetable shortening. Cudahy Brothers Company. 372,901; Nov. 21; Serial No. 394,587; published Sept. 5, 1939.
Milk, Condensed. Borden Company. 130,265; renewed Apr. 20, 1940.
Oil, Olive. Lekas & Drivas, Inc. 373,071; Nov. 21; Serial No. 421,781; published Sept. 12, 1939.
Olives, bottled cherries, dates. Van Dyk & Reeves Inc. 372,976; Nov. 21; Serial No. 420,034; published Sept. 12, 1939.
Popcorn, Cheese flavored. A. T. McGonigle. 372,955; Nov. 21; Serial No. 419,537; published Sept. 12, 1939.
Sauce. W. P. Bowman. 128,943; renewed Jan. 20, 1940.
Vegetables, Fresh. Del Rey Celery Growers Association. 372,965; Nov. 21; Serial No. 419,860; published Sept. 12, 1939.
Vegetables, Fresh. Del Rey Celery Growers Association. 372,972; Nov. 21; Serial No. 419,910; published Sept. 12, 1939.
Vinegar. Hudson Valley Wine Company. 373,009; Nov. 21; Serial No. 420,861; published Sept. 12, 1939.

CLASS 47

Wine. S. Sands. 372,994; Nov. 21; Serial No. 420,501; published Sept. 12, 1939.
Wines. Hudson Valley Wine Company. 373,008; Nov. 21; Serial No. 420,860; published Sept. 12, 1939.

CLASS 48

Beer. Adolph Coors Company. 373,075; Nov. 21; Serial No. 421,846; published Sept. 12, 1939.

Beer and ale. Garden City Brewing Co. 373,095; Nov. 21.
Stout. George Raggett & Sons Limited. 372,911; Nov. 21; Serial No. 411,968; published Sept. 12, 1939.

CLASS 50

Set consisting of a mug and soap, Combination. Shulton, Inc. 372,968; Nov. 21; Serial No. 419,882; published Sept. 12, 1939.
Set consisting of a mug and soap, Combination. Shulton, Inc. 372,969; Nov. 21; Serial No. 419,886; published Sept. 12, 1939.
Stoppers, Bottle. P. C. McAbee. 372,950; Nov. 21; Serial No. 419,151; published Sept. 12, 1939.
Straws, Drinking. Marcalus Manufacturing Co. 373,031; Nov. 21; Serial No. 421,092; published Sept. 12, 1939.
Waterproof textile fabrics. Eastern Finishing Works, Inc. 127,734; renewed Dec. 2, 1939.

LIST OF LABELS

Adla Tablets. For Tablets for Gastric Hyperacidity. Adlerika Company. 53,930; Nov. 21.
For Safety Thumb 'Em. For Books of Safety Matches. B. Fredericks. 53,933; Nov. 21.
Gibbons Master. For Feeds. J. T. Gibbons, Inc. 53,934; Nov. 21.
Land-of-Bays. For Cranberries. C. A. Ricker. 53,935; Nov. 21.
Peace for Our Nation. For a Game. Bradlee Publishing Co. 53,931; Nov. 21.
Salerno Chocolate Thins. For Sweetened Thin Wafers or Cookies Flavored with Chocolate, Commercially Termed Chocolate Thins. Salerno-Megowen Biscuit Company. 53,936; Nov. 21.
Salerno Cocoanut Thins. For Sweetened Thin Cookies or Wafers Containing Cocoanut, Commercially Termed Cocoanut Thins. Salerno-Megowen Biscuit Company. 53,937; Nov. 21.
Salerno Vanilla Thins. For Sweetened Thin Wafers or Cookies Flavored with Vanilla, Commercially Termed Vanilla Thins. Salerno-Megowen Biscuit Company. 53,938; Nov. 21.
Union Made W. S. W. I. U. For Shoes. Webster Shoe Workers Independent Union. 53,939; Nov. 21.
Vinol. For a Tonic Combining the Vitamin B Complex and Iron with other Valuable Ingredients. Chester-Kent, Inc. 53,932; Nov. 21.

LIST OF PRINTS

Cellophalt. For Burial Vaults. Marion Metal Products Company. 17,703; Nov. 21.
E and B Special Beer. For Beer. Ekhardt & Becker Brewing Company. 17,701; Nov. 21.
Lucky Boy. For Cookies Known Generally by the Trade as Stage Planks. Chattanooga Bakery, Inc. 17,700; Nov. 21.
Riding High. For Beer. Ekhardt & Becker Brewing Company. 17,701; Nov. 21.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Baxter, Ernest L., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic backing paper. Re. 21,268; Nov. 21.

Brick-V-Neer Sales Company. (See Willson, Lester E., assignor.)

Cherry-Burrell Corp. (See Feldmeier, Harvey, assignor.)

Clark Equipment Company. (See Lapsley, Robert, assignor.)

Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)

Copeman, Lloyd G., Lapeer, assignor to Copeman Laboratories Company, Flint, Mich. Coating knit articles and products thereof. Re. 21,269; Nov. 21.

Eastman Kodak Company. (See Baxter, Ernest L., assignor.)

Feldmeier, Harvey, deceased, by Cherry-Burrell Corp., assignee, Little Falls, N. Y. Heat exchange device. Re. 21,270; Nov. 21.

Gustlin, Walter F., Santa Ana, Calif. Trouser support and shirt retainer. Re. 21,271; Nov. 21.

Hallerberg, Theodore W., Chicago, Ill., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich. Apparatus for cleaning air. Re. 21,272; Nov. 21.

Lapsley, Robert, Berrien Springs, assignors to Clark Equipment Company, Buchanan, Mich. Transmission. Re. 21,273; Nov. 21.

Orr, John A., Chicago, Ill. Electric cutter and trimmer. Re. 21,274; Nov. 21.

Pletcher, Clarence B., Buchanan, Mich. Blast gun. Re. 21,275; Nov. 21.

Reynolds, Frederick L., Mill Valley, assignor to United States Appliance Corporation, San Francisco, Calif. Chemical heating pad for permanent hair waving. Re. 21,276; Nov. 21.

Ruemelin, Richard, Milwaukee, Wis. Banker dust collector unit. Re. 21,277; Nov. 21.

United Specialties Company. (See Hallerberg, Theodore W., assignor.)

United States Appliance Corporation. (See Reynolds, Frederick L., assignor.)

Willson, Lester E., assignor to Brick-V-Neer Sales Company, Streator, Ill. Building wall structure. Re. 21,278; Nov. 21.

LIST OF PLANT PATENTEES

Armstrong Nurseries. (See Workman, John A., assignor.)

Workman, John A., Riverside, assignor to Armstrong Nurseries, Ontario, Calif. Orange tree. 347; Nov. 21.

LIST OF DESIGN PATENTEES

Abrams, Albert, New York, N. Y. Combined double ended jar and cap cover therefor or similar article. 117,705; Nov. 21.

Amick, Charles, Topeka, Kans. Compact case. 117,706; Nov. 21.

Allen, John E., Chicopee Falls, Mass., assignor to Sobol Bros. Service Stations, Inc., New York, N. Y. Tire. 117,660; Nov. 21.

American Optical Company. (See Cozzens, Charles O., assignor.)

Arrow Manufacturing Company Incorporated. (See Guttman, John, assignor.)

Baumer, Norbert J., assignor to A. Gross Candle Co., Inc., Baltimore, Md. Display box. 117,682; Nov. 21.

Baxter, Ernest W., Van Wert, Ohio. Fender. 117,707; Nov. 21.

Berens, Julius G., Brooklyn, N. Y. Advertising sign. 117,683; Nov. 21.

Bonnell, William L., Columbus, Ohio. Baseboard cap strip or similar article. 117,684; Nov. 21.

Bonnell, William L., Columbus, Ohio. Nosing strip or similar article. 117,685; Nov. 21.

Bonnell, William L., Columbus, Ohio. Nosing strip or similar article. 117,686; Nov. 21.

Bradley, James C., New York, N. Y. Display plate for automobiles. 117,687; Nov. 21.

Breen, Fred, assignor to Revlon Products Corporation, New York, N. Y. Bottle. 117,708; Nov. 21.

Brown, Willard E., Los Angeles, Calif. Evaporative cooler cabinet. 117,688; Nov. 21.

Brunetti, Joseph, Carlstadt, N. J. Goggle. 117,767; Nov. 21.

Bullock, Frederick A., Attleboro, Mass., assignor to Dolan & Bullock Company, Providence, R. I. Collar holder. 117,661; Nov. 21.

Campbell, Thomas R., Elmira, assignor to Corning Glass Works, Corning, N. Y. Display carton. 117,709; Nov. 21.

Carter, George I., Teaneck, assignor to General Oil Heating Corporation, West New York, N. J. Oil burner. 117,725; Nov. 21.

Casebeer, William H., Wenatchee, Wash. Combination can puncher and stopper. 117,768; Nov. 21.

Central Brass Manufacturing Company, The. (See Mortimer, Charles B., assignor.)

Chalk, Benjamin, New York, N. Y. Coat. 117,710; Nov. 21.

Consolidated Sewing Machine & Supply Co., Inc. (See Ingwer, Max, assignor.)

Corning Glass Works. (See Campbell, Thomas R., assignor.)

Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Spectacle frame. 117,769; Nov. 21.

Crosley Corporation, The. (See Gray, Walter P., assignor.)

Cuyahoga Furniture and Lamp Company. (See Kraft, Max E., assignor.)

Decsman, John, Los Angeles, Calif. Nutcracker or the like. 117,726; Nov. 21.

Deskey, Donald, assignor to The Federal Glass Company, New York, N. Y. Glass relish dish or article of similar nature. 117,740; Nov. 21.

Diamond, Leon W., Cleveland Heights, assignor to Neo-Lite Corporation, Cleveland, Ohio. Combined sign and display device. 117,662; Nov. 21.

Dolan & Bullock Company. (See Bullock, Frederick A., assignor.)

Dormeyer, A. F., Mfg. Co. (See Strauss, Hermann M. A., assignor.)

Doty, Edward J., assignor to Polan, Katz & Company, Baltimore, Md. Umbrella. 117,663; Nov. 21.

Dunton, Marjorie, New York, N. Y. Combination glove and handbag. 117,770; Nov. 21.

Ehret, Clement, White Plains, N. Y. Stove. 117,727; Nov. 21.

Elliott, Samuel H., Shaker Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Liquid dispensing casing. 117,664; Nov. 21.

Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)

Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Display rack. 117,728; Nov. 21.

Evans, Harvey B., Wakefield, Mass. Slipper. 117,665; Nov. 21.

F. & N. Lawn Mower Company, The. (See Kluter, Marlowe H., assignor.)

Federal Glass Company, The. (See Deskey, Donald, assignor.)

Feintuck, Rose, New York, N. Y. Dress ensemble. 117,729; Nov. 21.

Fracchia, Pauline, New York, N. Y. Dress. 117,741; Nov. 21.

Fracchia, Pauline, New York, N. Y. Dress. 117,742; Nov. 21.

Fracchia, Pauline, New York, N. Y. Dress. 117,743; Nov. 21.

Fracchia, Pauline, New York, N. Y. Dress. 117,744; Nov. 21.
Fracchia, Pauline, New York, N. Y. Dress. 117,745; Nov. 21.
Fracchia, Pauline, New York, N. Y. Dress. 117,771; Nov. 21.
Frank, William H., Detroit, Mich. Continuous outlet strip. 117,746; Nov. 21.
Frankenthaler, Adolph, New York, N. Y. Novelty pin. 117,689; Nov. 21.
Freysinger, John B., assignor to North and Judd Manufacturing Company, New Britain, Conn. Clasp. 117,747; Nov. 21.
Fuller, Frances, New York, N. Y. Age indicating numeral for birthday cakes. 117,730; Nov. 21.
Gaige, Richard T., New York, N. Y., assignor to Volupte, Inc., Elizabeth, N. J. Vanity case or similar article. 117,748; Nov. 21.
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
Gemex Company. (See Sand, John, assignor.)
General Oil Heating Corporation. (See Carter, George I., assignor.)
Gogarn, Ray A., Detroit, Mich. Bait box. 117,666; Nov. 21.
Goodkind, Louis W., New York, N. Y. Lady's suit. 117,731; Nov. 21.
Gordon, Benjamin, New York, N. Y. Woven textile fabric or similar article. 117,749; Nov. 21.
Gray, Walter P., assignor to The Crosley Corporation, Cincinnati, Ohio. Radio cabinet. 117,690; Nov. 21.
Gross, A., Candle Co. (See Baumer, Norbert J., assignor.)
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Tray or the like. 117,711; Nov. 21.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated. New Kensington, Pa. Plate or the like. 117,712; Nov. 21.
Guttman, John, Brooklyn, N. Y., assignor to Arrow Manufacturing Company Incorporated, Hoboken, N. J. Display case. 117,713; Nov. 21.
Guttman, John, Elmhurst, N. Y., assignor to Arrow Manufacturing Company Incorporated, Hoboken, N. J. Display case. 117,714; Nov. 21.
Hacker, Harry, Brooklyn, N. Y. Pipe. 117,715; Nov. 21.
Hay's Beverages, Inc. (See Rising, Paul E., assignor.)
Henney Motor Company. (See Schofield, Earl L., assignor.)
Herman, Edward B., Minneapolis, Minn. Ashtray. 117,716; Nov. 21.
Hettrick Manufacturing Company, The. (See West, Carmon E., assignor.)
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined broiler grill and pan. 117,732; Nov. 21.
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Broiler grill. 117,733; Nov. 21.
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Broiler pan. 117,734; Nov. 21.
Honig, Jacob L., New York, N. Y. Dress or similar article. 117,750; Nov. 21.
Horne, Otis, Atlanta, Ga. Building. 117,691; Nov. 21.
Horsley, James H., assignor to Shanklin Manufacturing Company, Chicago, Ill. Combined calendar and scratch pad holder. 117,667; Nov. 21.
Huestis, Elizabeth A., Greenville, R. I. Doll. 117,668; Nov. 21.
Ingwer, Max, Forest Hills, Long Island, assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Belt guard for sewing machines. 117,692; Nov. 21.
Jackson, Beverly R., Los Angeles., Calif. Automotive signal lamp. 117,669; Nov. 21.
Jorgensen, Enoch B., Los Angeles, Calif. Blanket clasp. 117,670; Nov. 21.
Jung, Albert H., Flushing, N. Y. Container cap. 117,717; Nov. 21.
Kaback, Nathan, New York, N. Y. Dress. 117,751; Nov. 21.
Kay, Ralph, New York, N. Y. Slide fastener closure. 117,671; Nov. 21.
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Kibbe, Clinton H., New York, N. Y. Magnifying device. 117,772; Nov. 21.
Kluter, Marlowe H., assignor to The F. & N. Lawn Mower Company, Richmond, Ind. Lawn mower handle. 117,693; Nov. 21.
Kraft, Max E., assignor to Cuyahoga Furniture and Lamp Company, Cleveland, Ohio. Adjustable lamp. 117,672; Nov. 21.
Kroder Reubel Co., The. (See Lester, Sidney, assignor.)
Lelong, Lucien, Inc. (See Lelong, Lucien, assignor.)
Lelong, Lucien, Paris, France, assignor to Lucien Lelong, Inc., Chicago, Ill. Perfume bottle or similar article. 117,718; Nov. 21.
Lester, Sidney, Brooklyn, assignor to The Kroder Reubel Co., Inc., New York, N. Y. Curtain rod. 117,673; Nov. 21.
Levine, Michael M., New York, N. Y. Dress. 117,773; Nov. 21.
Levine, Michael M., New York, N. Y. Dress. 117,774; Nov. 21.
Lewis, Evelyn C., New York, N. Y. Pendant hanger. 117,674; Nov. 21.
Lewis, George C., Bryn Mawr, Pa. Aspirating air diffuser. 117,694; Nov. 21.
Logan, George M., Jr., New York, N. Y. Handkerchief. 117,752; Nov. 21.
March, Walter, West Nyack, N. Y. Building front. 117,753; Nov. 21.
Martin, Glenn L., Company, The. (See McDonnell, James S., Jr., assignor.)
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner. 117,775; Nov. 21.
Matteson, Burton J., Jr., Mission, assignor to Roadrunner Corporation, Brownsville, Tex. Motor vehicle body. 117,696; Nov. 21.
McDonald, Alexander J., Denver, Colo. Impeller. 117,719; Nov. 21.
McDonnell, James S., Jr., assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 117,695; Nov. 21.
Mey, Marcel, New York, N. Y. Textile fabric. 117,754; Nov. 21.
Mortimer, Charles B., Lakewood, assignor to The Central Brass Manufacturing Company, Cleveland, Ohio. Combined faucet and soap holder. 117,697; Nov. 21.
Murdock, James A., Chicago, Ill. Food grater. 117,755; Nov. 21.
Neo-Lite Corporation. (See Diamond, Leon W., assignor.)
Newman, Alexander I., assignor to Precision Scientific Company, Chicago, Ill. Water bath. 117,720; Nov. 21.
Newman, Alexander I., assignor to Percision Scientific Company, Chicago, Ill. Water still. 117,756; Nov. 21.
North and Judd Manufacturing Company. (See Freysinger, John B., assignor.)
Oliver, Theodore, Detroit, Mich. Douche-bench. 117,735; Nov. 21.
Perfex Corporation. (See Stevens, Clifford B., assignor.)
Polan, Katz & Company. (See Doty, Edward J., assignor.)
Precision Scientific Company. (See Newman, Alexander I., assignor.)
Proteau, Andre, New York, N. Y. Textile fabric. 117,736; Nov. 21.
Ranney, Fred T., Minneapolis, Minn. Highway marker. 117,675; Nov. 21.
Ray, Don, Beverly Hills, Calif. Protective hood for milk bottles and the like. 117,721; Nov. 21.
Revlon Products Corporation. (See Breen, Fred, assignor.)
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Richardson, Irving, Newark, N. J. Carpet sweeper shell. 117,676; Nov. 21.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Battery box. 117,698; Nov. 21.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 117,699; Nov. 21.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery box. 117,722; Nov. 21.
Rising, Paul E., Beverly Hills, assignor to Hay's Beverages, Inc., Los Angeles, Calif. Beverage bottle. 117,723; Nov. 21.
Roadrunner Corporation. (See Matteson, Burton J., Jr., assignor.)
Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)
Rosen, Max J., Brooklyn, N. Y. Handkerchief. 117,757; Nov. 21.
Rosen, Max J., Brooklyn, N. Y. Handkerchief. 117,776; Nov. 21.
Rosen, Sydelle, New York, N. Y. Dress. 117,758; Nov. 21.
Rosen, Sydelle, New York, N. Y. Dress. 117,759; Nov. 21.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet chain. 117,700; Nov. 21.
Sand, John, assignor to Gemex Company, Newark, N. J. Bracelet link. 117,701; Nov. 21.
Schwartz, Samuel M., Paterson, N. J. Textile fabric. 117,760; Nov. 21.
Schiff, Henry T., Chicago, Ill. Camera. 117,677; Nov. 21.
Schofield, Earl L., assignor to Henney Motor Company, Freeport, Ill. Hearse body. 117,702; Nov. 21.
Shanklin Manufacturing Company. (See Horsley, James H., assignor.)
Shaw, John N., Seattle, Wash. Coffee urn. 117,703; Nov. 21.
Sobol Bros. Service Stations, Inc. (See Allen, John E., assignor.)
Solash, Max, Linden, N. J. Hat. 117,761; Nov. 21.
Standard Oil Company. (See Elliott, Samuel H., assignor.)
Steeb, Emil, and A. T. Wallace, Indianapolis, Ind.; said Steeb assignor to said Wallace. Combination lamp and ash receiver. 117,678; Nov. 21.
Steinberg, Julius, New York, N. Y. Veil scarf. 117,724; Nov. 21.
Stevens, Clifford B., assignor to Perfex Corporation, Milwaukee, Wis. Air conditioning control. 117,679; Nov. 21.

Stiffel, Theophile A., Chicago, Ill. Illuminable holder for pictures or the like. 117,680; Nov. 21.
Strauss, Hermann M. A., assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill. Supporting stand for motor driven food appliances or similar articles. 117,762; Nov. 21.
Strauss, Hermann M. A., assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill. Electric food mixer. 117,763; Nov. 21.
Strauss, Hermann M. A., assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill. Combined electric motor and power unit for electric food devices. 117,764; Nov. 21.
Uhlemann Optical Company of Illinois. (See Uhlemann, William R., assignor.)
Uhlemann, William R., Evanston, assignor to Uhlemann Optical Company of Illinois, Chicago, Ill. Pair of spectacles. 117,766; Nov. 21.
Uihlein, George V., Worcester, Mass. Carpet or similar article. 117,737; Nov. 21.
Uihlein, George V., Worcester, Mass. Carpet or similar article. 117,738; Nov. 21.
Volupte, Inc. (See Gaige, Richard T., assignor.)
Wallace, Alvie T. (See Steeb, E., and Wallace.)
West, Carmon E., Sylvania, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. End frame for chairs, tables, or the like. 117,739; Nov. 21.
Winchester, Coleman S., Brockton, Mass. Shoe lace. 117,765; Nov. 21.
Wright, Denver M., Brentwood, Mo. Appointment pad. 117,681; Nov. 21.
Zenzen, Oliver, Washburn, Ill. Combined aquarium and radio cabinet. 117,704; Nov. 21.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbate, Louis M., Chicago, Ill. Electric siphon coffee maker. 2,180,655; Nov. 21.
Abel, Joseph C., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. End construction for railway cars. 2,180,494; Nov. 21.
Acme Visible Records, Inc. (See Rudolph, Walter J., assignor.)
Actiengesellschaft Joh. Jacob Rieter & Cie. (See Meier, Josef, assignor.)
Adams, Henry T., Chicago, Ill. Binder. 2,180,892; Nov. 21.
Advance Engineering Company. (See Nordell, Carl H., assignor.)
Agfa Ansco Corporation. (See Brunken, Johannes, assignor.)
Agfa Ansco Corporation. (See Frankenburger, W., and Schulz, assignors.)
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pressure governor. 2,180,856; Nov. 21.
Air Reduction Company. (See Balcar, Frederick R., assignor.)
Air Reduction Company. (See Schlitt, Joseph L., assignor.)
Air Reduction Company. (See Smith, Donald L., assignor.)
Air Reduction Company. (See Tisza, E. E., and Tyrner, assignors.)
Aitchison, Thomas C. (See Eby, E. D., and Aitchison.)
Aken, James N., Rome, assignor to General Cable Corporation, New York, N. Y. Electrical cable. 2,181,084; Nov. 21.
Akström, Herman, Stockholm, Sweden. Gasification burner with a cleansing device and a cut-off member. 2,181,014; Nov. 21.
Aktiengesellschaft Brown Boveri & Cie. (See Haller, Arnold, assignor.)
Aktiengesellschaft für Stickstoffdünger. (See Winter, E., and Polack, assignors.)
Alabama Asphaltic Limestone Company. (See Conzelman, Joseph H., assignor.)
Alfol Insulation Company. (See Scott, Roy J., assignor.)
Alfol Insulation Company. (See Sibley, L. T., and Scott, assignors.)
Allen, Albert, Sharon, assignor to The Foxboro Company, Foxboro, Mass. Stuff gate control. 2,180,656; Nov. 21.
Allen, Harold D., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Toy. 2,180,623; Nov. 21.
Alquist, Francis N. (See Slagh, H. R., and Alquist.)
Alquist, Francis N., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Ether. 2,181,085; Nov. 21.
Alt, Wolfgang. (See Krzikalla, H., and Alt.)
Aluminum Company of America. (See McFadden, Benjamin C., assignor.)
Alvarez, Nicolás M. A. A. A., and E. A. Viglione, Buenos Aires, Argentina. Buckle. 2,180,786; Nov. 21.
American Can Company. (See Hothersall, John M., assignor.)
American Car and Foundry Company. (See Abel, Joseph C., assignor.)
American Car and Foundry Company. (See Bradfield, G. K., Clarke, and Willoughby, assignors.)
American Car and Foundry Company. (See Bradfield, George K., Jr., assignor.)
American Car and Foundry Company. (See Christiansen, J., and Thompson, assignors.)
American Car and Foundry Company. (See Dietrichson, William F., assignor.)
American Car and Foundry Company. (See Kaseberg, Theodore C., assignor.)
American Car and Foundry Company. (See Kassler, A., and Shields, assignors.)
American Coach and Body Company, The. (See Larsen, N. P., and Troche, assignors.)
American Cyanamid Company. (See Jayne, D. W., Jr., and Anderson, assignors.)
American Cyanamid & Chemical Corporation. (See Caryl, C. R., and Jaeger, assignors.)
American Felt Company. (See Boeddinghaus, Hugo, assignor.)
American Locomotive Company. (See Blunt, James G., assignor.)
American Machine & Foundry Company. (See Dehuff, Walter F., assignor.)
American-National Company, The. (See Snell, Samuel A., assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)

American Radiator & Standard Sanitary Corporation. (See Cornell, Edward S., Jr., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Steel Foundries. (See Cottrell, R. B., and Flesch, assignors.)
American Window Glass Company. (See Bishop, Frederic L., assignor.)
Anaconda Wire & Cable Company. (See Dickinson, Harry F., assignor.)
Anderberg, Franz W., Youngstown, Ohio. Single reed instrument tuning device. 2,180,383; Nov. 21.
Anderson, Arvid E. (See Jayne, D. W., Jr., and Anderson.)
Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Electric range. 2,180,657; Nov. 21.
Arcadia Hosiery Co. (See Weisbecker, Frank G., assignor.)
Arkell Safety Bag Company. (See Robinson, Francis T., assignor.)
Arnett, Roy. (See Thomason, J., and Arnett.)
Associated Press. (See Barnes, James C., assignor.)
Associated Press. (See Gano, Alfred S., assignor.)
Associated Telephone & Telegraph Company. (See Pearce, Owen A., assignor.)
Atchison, Leonard W., and J. L. Fletcher, Schenectady, N. Y., assignors to General Electric Company. Refrigerating machine. 2,180,974; Nov. 21.
Auer, Laszlo, Budapest, Hungary, assignor to J. R. Newman, Washington, D. C., as trustee. Manufacture of modified isocolloid products having controlled solubility. 2,180,342; Nov. 21.
Aukland, Gabriel, Shabbona, Ill. Closure. 2,180,787; Nov. 21.
Austenal Laboratories, Inc. (See Prange, Charles H., assignor.)
Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co. Inc., Cedar Rapids, Iowa. Earth moving device. 2,180,658; Nov. 21.
Austin, Frank E., Hanover, N. H. Toeboard. 2,180,384; Nov. 21.
Automatic Devices Corporation. (See Carissimi, Louis C., assignor.)
Automatic Devices Corporation. (See Johnson, Arthur A., assignor.)
Automatic Devices Corporation. (See Lehmann, Herbert G., assignor.)
Axelson Manufacturing Co. (See Ostrom, Ernest W., assignor.)
Bacon, Raymond F., Bronxville, N. Y. Recovery of sulphur dioxide. 2,180,495; Nov. 21.
Badger, Kern, Ridgewood, N. J. Insert to be used in conjunction with an outlet box and other electrical units. 2,180,575; Nov. 21.
Bährinz, Herbert, Berlin-Zehlendorf-Mitte, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Multiple voltage divider. 2,180,659; Nov. 21.
Baily, Robert W., Narberth, Pa. Apparatus for consolidating plastic materials. 2,180,660; Nov. 21.
Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe and making the same. 2,180,385; Nov. 21.
Baker, Robert E., Muncie, Ind. Coin controlled vending machine. 2,181,039; Nov. 21.
Baker, Robert E., Muncie, Ind. Coin controlled vending machine. 2,181,040; Nov. 21.
Balcar, Frederick R., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of acetylene from gaseous mixtures. 2,180,386; Nov. 21.
Balcar, Frederick R., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Recovering solvent employed in the separation of acetylene from gaseous mixtures. 2,180,496; Nov. 21.
Ball, Harold H., assignor to Industrial Washing Machine Corporation, New Brunswick, N. J. Automatic washing machine. 2,180,947; Nov. 21.
Ballou, Lester W. (See Fassnacht, K., and Ballou.)
Barkin, David D., Brookline, Mass. Coat. 2,180,497; Nov. 21.
Barnes, George H. (See Fahrenwald, F. A., Parkinson, and Barnes.)
Barnes, James C., White Plains, assignor to Associated Press, New York, N. Y. Telephone coupling device. 2,180,498; Nov. 21.
Barnett, Paul B., and C. G. Upton, Freer; said Upton assignor to J. P. Muller, Fort Worth, Tex. Pump mechanism. 2,180,451; Nov. 21.

Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,180,933; Nov. 21.
Bartels, Bernhard. (See Knoll, M., Bartels, and Spengler.)
Barton, Frank. (See Lineham, R. A., and Barton.)
Baruch, Sydney N., assignor to Nortron Patents Corporation, New York, N. Y. Vacuum switch. 2,180,661; Nov. 21.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Freight car brake. 2,181,041; Nov. 21.
Bassett, Rex E., Jr., Detroit, Mich., assignor, by mesne assignments, to Bendix Home Appliances, Inc., South Bend, Ind. Sequential controller. 2,180,948; Nov. 21.
Bassford, Ethan F., assignor to George La Monte & Son, Nutley, N. J. Ornamentally coloring paper. 2,180,387; Nov. 21.
Bastian Brothers Company. (See Brown, Frank J., assignor.)
Baylis, Walter S., and W. Kelley, Los Angeles, Calif., assignors, by mesne assignments, to Fullerite, Incorporated. Adsorbent clay and producing same. 2,180,576; Nov. 21.
Beach, Ralph H., Ann Arbor, Mich. Electric heating device. 2,181,042; Nov. 21.
Beale, Martin J., Brooklyn, N. Y. Portable dispensing tank. 2,181,006; Nov. 21.
Beardsley, Harold H., Denver, Colo. Contra-angle dental hand piece. 2,180,499; Nov. 21.
Becker, Joseph, assignor to Koppers Company, Pittsburgh, Pa. Coke oven structure. 2,180,857; Nov. 21.
Beckmann, Werner N., et al. (See Browning, James E., assignor.)
Bedell, James R., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Container. 2,180,858; Nov. 21.
Beliaeff, Stephen B., Malverne, N. Y. Hair waving device. 2,180,388; Nov. 21.
Bell Telephone Laboratories, Incorporated. (See Bowen, Arnold E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bredehoft, Harold A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fry, Jacob R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Daniel D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Ralph L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Norton, Frank R., assignor.)
Bendix Aviation Corporation. (See Jones, Burr W., assignor.)
Bendix Home Appliances, Inc. (See Bassett, Rex E., Jr., assignor.)
Benedek, Elek K., Bucyrus, Ohio. Hydraulic pump or motor. 2,180,343; Nov. 21.
Bennis, Joseph. (See Pekalski, S., and Bennis.)
Benoit, John E. and C. B. Reynolds, Willsboro, N. Y. Detachable electrical connector. 2,180,662; Nov. 21.
Bergeron, Adelard P., E. J. Page, and A. C. Rushia, Claremont, N. H. Crankcase oil heater for engines. 2,180,663; Nov. 21.
Berkheimer, Benjamin F., Greenville, Ohio. Duo-functional cook and heating stove. 2,180,788; Nov. 21.
Bernstein, Samuel S., Beverly Hills, Calif. Attaching means for coil springs and the like. 2,180,500; Nov. 21.
Berquist, Frank O., Somerville, Mass. Plowshare guard. 2,181,007; Nov. 21.
Berryman, Elmer H., San Francisco, Calif. Furnace. 2,180,577; Nov. 21.
Berwick, Albert G. (See Berwick, Frederick W. and A. G.)
Berwick, Frederick W. and A. G., Streatham, London, England, assignors, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Device for delivering measured quantities of liquid. 2,180,702; Nov. 21.
Best, Cyril, assignor to Molins Machine Company Limited, Deptford, London, England. Weigh beam damping device. 2,180,893; Nov. 21.
Bethke, Leo, Melrose Park, assignor of one-half to S. W. Bradstreet, Maywood, Ill. Tooth powder dispenser. 2,180,389; Nov. 21.
Bethlehem Steel Company. (See Hammeren, Hans, assignor.)
Beutler, Herman L. (See Palmer, E. W., and Beutler.)
Binks Manufacturing Company. (See Gustafsson, Eric, assignor.)
Binns, Frederick W., Quincy, Mass., assignor to Virginia Smelting Company, Portland, Maine. Refrigeration and brine composition therefor. 2,180,624; Nov. 21.
Bird Machine Co. (See Lyons, Sanford C., assignor.)
Birkhead, Beckmann, Stanard & Vance. (See Browning, James E.)
Birkhead, Clande V., et al. (See Browning, James E., assignor.)
Bishop & Babcock Mfg. Company. (See Mayo, Edward L., assignor.)
Bishop, Frederic L., Fox Chapel Manor, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of laminated glass. 2,180,625; Nov. 21.
Blackledge, Robert. (See Hughes, L., and Blackledge.)
Blair, David, Chicago, Ill. Undergarment. 2,180,390; Nov. 21.
Blair, David, Chicago, Ill. Undergarment. 2,180,391; Nov. 21.
Blau, Ludwig W., W. D. Mounce, and W. M. Rust, Jr., Houston, Tex., assignors to Standard Oil Development Company. Feedover device. 2,180,949; Nov. 21.
Blicke, Frederick F., Ann Arbor, Mich. Tertiary N,N-dicycloalkyl-alkyl amines. 2,180,344; Nov. 21.
Blood, Robert A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Switch actuating mechanism. 2,180,501; Nov. 21.
Blue, Robert D., assignor to The Dow Chemical Company, Midland, Mich. Catalyst for making ethyl chloride. 2,180,345; Nov. 21.
Blunt, James G., Schenectady, assignor to American Locomotive Company, New York, N. Y. Railway vehicle. 2,180,392; Nov. 21.
Boeddinghaus, Hugo, Newburgh, assignor to American Felt Company, New York, N. Y. Felted fabric and making the same. 2,181,043; Nov. 21.
Boggia, Moses J., Corona, N. Y. Luggage rack. 2,180,333; Nov. 21.
Bohrer, Joseph H., assignor to Continental Rubber Works, Erie, Pa. Hose grip and protector. 2,181,086; Nov. 21.
Bohuslav, Hans A., assignor to Enterprise Foundry Corporation, San Francisco, Calif. Reciprocating valve. 2,180,347; Nov. 21.
Boomer, Max. (See Felix, F., Grossmann, and Bommer.)
Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Refrigerator car floor rack. 2,180,502; Nov. 21.
Bonzack, Stanley, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,181,008; Nov. 21.
Borchers, Alwin C., assignor to The General Industries Company, Elyria, Ohio. Vibration retarding means for electrically actuated apparatus. 2,180,859; Nov. 21.
Borden Company, The. (See Salzberg, Harold K., assignor.)
Borg-Warner Corporation. (See Hubacker, Earl F., assignor.)
Borg-Warner Corporation. (See Mills, Herbert E., assignor.)
Borg-Warner Corporation. (See Sherman, Alvin G., assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Schlenker, Kurt, assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Stribeck, Richard, assignor.)
Bouget, Yves A., West Orange, and J. N. Selvig, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Control mechanism for material mixing apparatus. 2,180,393; Nov. 21.
Boulter, George M., Bakersfield, Calif. Underreamer. 2,180,452; Nov. 21.
Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Guided wave transmission. 2,180,950; Nov. 21.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,180,453; Nov. 21.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,180,454; Nov. 21.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,180,455; Nov. 21.
Bower, George D., Columbia Heights, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Adjustable follow-up control system. 2,180,503; Nov. 21.
Bowyer, Abbie G., assignor of one-fourth to S. E. Fouts, Los Angeles, Calif. Comb. 2,180,394; Nov. 21.
Bradfield, George K., Jr., Hackensack, N. J., assignor to American Car and Foundry Company, New York, N. Y. Reclining seat mechanism. 2,180,505; Nov. 21.
Bradfield, George K., Hackensack, N. J., A. W. Clarke, St. Charles, Mo., and V. Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Metal floor construction. 2,180,504; Nov. 21.
Bradley, Elizabeth K., New York, N. Y. Novelty jewelry and accessories. 2,180,726; Nov. 21.
Bradshaw, Joe B., Stanford, Ky. Door guard and stay. 2,180,578; Nov. 21.
Bradshaw, Robert S., Jr., et al., joint tenants. (See Westcott, Clifford H., assignor.)
Bradstreet, Samuel W. (See Bethke, Leo, assignor.)
Brancato, Joe, and D. Scalese, Barnesboro, Pa. Automatic scissors. 2,181,009; Nov. 21.
Brandt, Henry E., assignor to Dobbins Manufacturing Company, North St. Paul, Minn. Dispensing tank closure structure. 2,180,664; Nov. 21.
Bredehoft, Harold A., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,180,334; Nov. 21.
Brewster, Henry, New York, N. Y. Waist band construction. 2,180,346; Nov. 21.
Brigham, Arthur E. (See Sawdon, V. J., and Brigham.)
Briscoe, James, Bridgeport, Conn., assignor to Manning, Maxwell & Moore Incorporated, New York, N. Y. Apparatus for controlling pressure fluid. 2,180,395; Nov. 21.
Brower, Eugene F., assignor to Micromatic Hone Corporation, Detroit, Mich. Honing structure. 2,181,011; Nov. 21.

Brower, Eugene F., and W. H. Harris, Jr., assignors to Micromatic Hone Corporation, Detroit, Mich. Honing tool. 2,181,010; Nov. 21.
Brown Company. (See Schur, M. O., and Hoos, assignors.)
Brown, Frank J., assignor to Bastian Brothers Company, Rochester, N. Y. Ornamental name plate and the like. 2,181,044; Nov. 21.
Brown, George R., Stratford, Conn., assignor to General Electric Company. Time lag fuse. 2,180,975; Nov. 21.
Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vehicle suspension. 2,180,860; Nov. 21.
Browning, James E., assignor of one-half to C. V. Birkhead and W. N. Beckmann, San Antonio, Tex., copartners doing business as Birkhead, Beckmann, Stanard & Vance. Gas burner. 2,180,789; Nov. 21.
Bruggerman, Bertrand F., Los Angeles, Calif. Electrically heated tool. 2,180,665; Nov. 21.
Brummett, Durell E., Shreveport, La. Automatic water control for bathtubs. 2,180,790; Nov. 21.
Brunken, Johannes, Dessau, Anhalt, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Hardening albuminous substances. 2,180,335; Nov. 21.
Brunner, Arnold, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation products and preparing them. 2,180,791; Nov. 21.
Bryant Heater Company, The. (See Heisterkamp, Herbert W., assignor.)
Buehler, Leon, Jr., assignor to Frick Company, Waynesboro, Pa. Refrigerating system. 2,180,456; Nov. 21.
Buffalo Bolt Company. (See McLaughlin, John J., assignor.)
Buffalo Electro-Chemical Company. (See Wilson, Virden W., assignor.)
Buffalo Jewelry Case Co. (See Sundee, John R., assignor.)
Bunting, Alwyn R., Portsmouth, Va. Adjustable wrench. 2,181,012; Nov. 21.
Burbig, Henry C., Ridgefield, Conn. Fluid control for applicators. 2,180,506; Nov. 21.
Burchenal, William, et al. (See Peck, Robert E., assignor.)
Burgess Battery Company. (See Graham, Erwin W., assignor.)
Burgess Battery Company. (See Morey, Roger G., assignor.)
Burke, James P., Knoxville, Tenn. Electrical contactor. 2,180,396; Nov. 21.
Burndy Engineering Co. Inc. (See Rogoff, Julian, assignor.)
Burns, Cloyd E. (See Hogg, Robert T. and H. V.)
Bursnall, William G., Norfolk, Va. Dispensing top for containers. 2,181,045; Nov. 21.
Burt, F. N., Company. (See Royal, Joseph N., assignor.)
Butkiewicz, Felix, Omro, Wis. Cast cutter. 2,180,457; Nov. 21.
Butler, Fred A. (See Doyle, E. J., and Butler.)
Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Film cut-out. 2,180,976; Nov. 21.
Butzbach, Orville K., assignor to The Studebaker Corporation, South Bend, Ind. Gear shifting mechanism. 2,180,579; Nov. 21.
Buxbaum, Edwin C., Shorewood, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dihalogen quinizarins. 2,181,046; Nov. 21.
Buxbaum, Edwin C., Silverside Heights, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuff intermediates of the anthraquinone series. 2,180,336; Nov. 21.
Buxbaum, Edwin C., Silverside Heights, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,180,337; Nov. 21.
Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)
Callender's Cable and Construction Company Limited. (See Hunter, P. V., and Metcalf, assignors.)
Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)
Carbide and Carbon Chemicals Corporation. (See Logan, Leonard A., assignor.)
Carbide and Carbon Chemicals Corporation. (See Maxcy, John D., assignor.)
Carissimi, Louis C., Fairfield, assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,180,703; Nov. 21.
Carlisle, Richard W., Elmsford, N. Y. Facsimile system. 2,180,397; Nov. 21.
Carlson, George W., assignor to R. H. McClintic, Pittsburgh, Pa. Driving mechanism for pneumatic actions. 2,180,793; Nov. 21.
Carpenter, George M. (See Lemmers, E., and Carpenter.)
Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,180,794; Nov. 21.
Carr Fastener Company Limited. (See Kohler, John H., assignor.)
Carrier Corporation. (See Soule, Lawrence C., assignor.)
Carroll & Carroll. (See Hill, Ernest F., assignor.)
Carrom Company, The. (See Stearns, Freeman R., assignor.)
Carter, Bernard M., Montclair, N. J., assignor to General Chemical Company, New York, N. Y. Manufacture of sulphuric acid. 2,180,727; Nov. 21.
Carter Carburetor Corporation. (See Nieman, Ernst H., assignor.)
Caryl, Coleman R., and A. O. Jaeger, Mount Lebanon, assignors to American Cyanamid & Chemical Corporation, Bridgeville, Pa. Detergent composition. 2,181,087; Nov. 21.
Casablancas, Fernando, assignor of one-half to Casablancas High Draft Company Limited, Manchester, England. Flyer frame for textile rovings. 2,180,792; Nov. 21.
Casablancas High Draft Company Limited. (See Casablancas, Fernando, assignor.)
Case, J. I., Company. (See Larsen, Carl B., assignor.)
Casidy, Osceola, Wichita, Kans. Necktie device. 2,180,861; Nov. 21.
Cavins, Paul. (See Dumble, William H., assignor.)
Celanese Corporation of America. (See Moncrieff, R. W., and Thomas, assignors.)
Celanese Corporation of America. (See Sitzler, Richard R., assignor.)
Cellulose Research Corporation, The. (See Goff, Lionel E., assignor.)
Chambers, Cal C., et al., joint tenants. (See Westcott, Clifford H., assignor.)
Chambers, John E., Shelbyville, Ind. Gas range. 2,180,862; Nov. 21.
Chambon Corporation. (See Wickwire, Arthur M., Jr., assignor.)
Chapman, Harry J., Detroit, Mich. Aerial. 2,180,398; Nov. 21.
Checkos, Theodore, Los Angeles, Calif. Combined license plate holder and illuminator. 2,180,754; Nov. 21.
Chemical Works, formerly Sandoz. (See Kartaschoff, Valentin, assignor.)
Chisholm-Ryder Company. (See de Back, William, assignor.)
Christensen, Niels A., South Euclid, Ohio. Packing. 2,180,795; Nov. 21.
Christiansen, John, and J. B. D. Thompson, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Car door locking device. 2,180,507; Nov. 21.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Window strip installation and fastener for the same. 2,180,920; Nov. 21.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical contact member and making same. 2,180,921; Nov. 21.
Cichoski, Felix W. (See Schroeder, L. R., and Cichoski.)
Cinch Manufacturing Corporation. (See Del Camp, Scipione M., assignor.)
Cinch Manufacturing Corporation. (See Pool, Esson J., assignor.)
Clancy, Charles E., Glendale, Calif. Venetian blind. 2,180,863; Nov. 21.
Clark Controller Company, The. (See Hart, Earl R., assignor.)
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Sadiron. 2,180,399; Nov. 21.
Clark Equipment Company. (See Orsmby, Donald D., assignor.)
Clark, Kendall, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill. Control system. 2,180,580; Nov. 21.
Clarke, Allen W. (See Bradfield, G. K., Clarke, and Willoughby, assignors.)
Clasen, John H., Anaheim, Calif. Disk harrow. 2,180,458; Nov. 21.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Voltage control system. 2,180,796; Nov. 21.
Cleveland Cooperative Stove Company, The. (See Schroeder, L. R., and Cichoski, assignors.)
Cleveland Cooperative Stove Company, The. (See Taylor, Thomas E., assignor.)
Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Antioxidant. 2,180,666; Nov. 21.
Cloud, William S., Wilmette, Ill. Method and apparatus for forming paper packages. 2,180,338; Nov. 21.
Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Method and apparatus for controlling fluid operated pumps. 2,180,400; Nov. 21.
Cockerham, Luther M., Elkin, N. C. Furnace door structure. 2,180,797; Nov. 21.
Collett, Hubert L., Novinger, Mo. Wood saw. 2,181,047; Nov. 21.
Collins, Joseph L., assignor to Sprague Specialties Company, North Adams, Mass. Electrotytic device. 2,180,798; Nov. 21.
Conkey, H. D., Company. (See Kettleborough, Harry J., assignor.)
Conmar Products Corporation. (See Eisler, Marcel J., assignor.)
Connor, William L., Los Angeles, assignor to Fluid Packed Pump Company, Whittier, Calif. Deep well pump. 2,180,864; Nov. 21.
Connor, William L., Los Angeles, assignor to Fluid Packed Pump Company, Whittier, Calif. Deep well pump. 2,180,865; Nov. 21.
Continental Rubber Works. (See Bohrer, Joseph H., assignor.)

Conzelman, Joseph H., assignor to Alabama Asphaltic Limestone Company, Birmingham, Ala. Bituminous non-skid pavement. 2,180,339; Nov. 21.
Cook, John B., assignor to Reliable Electric Company, Chicago, Ill. Dead end clamp. 2,180,977; Nov. 21.
Copeland, Claude F. (See Doll, C. E., and Copeland.)
Cordsmeier, Otto. (See Wundt, R. M., and Cordsmeier.)
Corey, Donald H. (See Fugill, A. P., and Corey.)
Corkery, Frank W., Crafton, Pa. Paint and tile base. 2,180,729; Nov. 21.
Corkery, Frank W., Crafton, Pa., assignor to Pennsylvania Industrial Chemical Corporation. Separation of sulphonates. 2,180,728; Nov. 21.
Cornell, Edward S., Jr., Larchmont, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Water circulator. 2,180,401; Nov. 21.
Cottrell, Robert B., and J. E. Flesch, assignors to American Steel Foundries, Chicago, Ill. Car underframe. 2,180,799; Nov. 21.
Courtinade, François, New York, N. Y. Signaling switch. 2,180,894; Nov. 21.
Cox, Henry L., South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Alkyl 12-ketostearate. 2,180,730; Nov. 21.
Crane, Theodore D., Council Bluffs, Iowa. Milk bottle stopper. 2,180,582; Nov. 21.
Crest Specialty Company. (See Spenard, Elmer H., assignor.)
Crewe, Samuel, East Cleveland, Ohio. Calk gun. 2,180,978; Nov. 21.
Crown Can Company. (See Weisenburg, Andrew, assignor.)
Crown Cork & Seal Company. (See Pearson, Thomas F., assignor.)
Crouse-Hinds Company. (See Blood, Robert A., assignor.)
Cryer, John A., Purling, N. Y. Connector. 2,180,866; Nov. 21.
Cyr, Benjamin, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve. 2,180,800; Nov. 21.
Dahl, Edward T., Abington, assignor to E. and C. Macleod, L. Soule, S. A. Sargent, Jr., H. A. Stebbins, and F. A. Morrison, trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass. Liquid level control device. 2,180,844; Nov. 21.
Dale, Frank L., assignor to Mechanical Man, Inc., New York, N. Y. Automaton merchandising device. 2,180,951; Nov. 21.
Daniels, Arthur W., Chicago, Ill., assignor to Daniels-Murtaugh Company, Cedar Rapids, Iowa. Dipper. 2,180,348; Nov. 21.
Daniels-Murtaugh Company. (See Daniels, Arthur W., assignor.)
Daumas, Carl V. (See Schorn, H., and Daumas.)
Davies, Clarence J. (See Mitchell, A. S., and Davies.)
Davis, Frank L., College Point, N. Y. Fastening means. 2,181,103; Nov. 21.
De Back, William, assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Apparatus for packing foodstuffs. 2,180,349; Nov. 21.
De Bothezat, George, New York, assignor to Helicopter Corporation of America, Long Island City, N. Y. Helicopter device. 2,180,922; Nov. 21.
Decker, Josef B., Elkton, Md., assignor to Triumph Explosives, Inc. Parachute signal. 2,180,667; Nov. 21.
Deere & Company. (See Strandlund, Carl G., assignor.)
De Fraine, John L., Brooklyn, and J. Y. Smith, Mastic Park, Long Island, N. Y.; said Smith assignor to said De Fraine. Method and material for marking laundered articles. 2,180,508; Nov. 21.
Dehuff, Walter F., Glen Rock, Pa., assignor to American Machine & Foundry Company. Mixing machine beater. 2,181,078; Nov. 21.
Dehuff, Walter F., Glen Rock, Pa., assignor to American Machine & Foundry Company. Mixing machine. 2,181,079; Nov. 21.
Delnet, Joseph. (See Perkins, M. A., and Delnet.)
Delnet, Joseph, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinonoyl-amino anthraquinones. 2,181,048; Nov. 21.
De Laval Separator Company, The. (See Berwick, Frederick W., and A. G., assignors.)
Delavenna, Lucien, and J. Maillard, Paris, France. Electrolytic preparation of oxychlorine salts. 2,180,668; Nov. 21.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical plug and socket connection. 2,180,923; Nov. 21.
Delorme, Jean, Aubiere, France, assignor to George Morrell Corporation, Muskegon, Mich. Thermoplastic composition and making same. 2,180,626; Nov. 21.
Dent, Harry M., Buffalo, and A. J. Norton, assignors to General Plastics, Inc., North Tonawanda, N. Y. Molded product. 2,180,934; Nov. 21.
De Seversky, Alexander P., Northport, N. Y., assignor to Seversky Aircraft Corporation. Aircraft structure. 2,180,462; Nov. 21.
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Hollow article. 2,180,402; Nov. 21.
Dickinson, Harry F., Yonkers, assignor to Anaconda Wire & Cable Company, New York, N. Y. Combined power and communication cable. 2,180,731; Nov. 21.
Dickson, Charles L., Harvard, Ill. Combined square, level, protractor, etc. 2,180,509; Nov. 21.
Dietrich, Johannes, Berlin-Charlottenburg, and K. Hagenhaus, Berlin-Siemensstadt, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Interference preventing arrangement for internal combustion engines. 2,180,704; Nov. 21.
Dietrichson, William F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Refrigerator car. 2,180,510; Nov. 21.
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,180,802; Nov. 21.
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Dobbins Manufacturing Company. (See Brandt, Henry E., assignor.)
Dodge, Mary N., Studio City, Calif. Confection. 2,181,109; Nov. 21.
Dodge, William A., administrator. (See Sabbah, Camil A.)
Dodson, William C. (See Drum, H. S., Dodson, and Jaxheimer.)
Doehler Die-Casting Co. (See Harrison, George, assignor.)
Dohe, Ernest F. (See Wilson, W. J., and Dohe.)
Doll, Charles E., and C. F. Copeland, Mount Clemens, Mich. Machine for manufacturing clay products. 2,180,895; Nov. 21.
Douglas, James K., Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive. 2,181,049; Nov. 21.
Dow Chemical Company, The. (See Alquist, F. N., and Slagh, assignors.)
Dow Chemical Company, The. (See Blue, Robert D., assignor.)
Dow Chemical Company, The. (See Perkins, Ralph P., assignor.)
Dow Chemical Company, The. (See Slagh, H. R., and Alquist, assignors.)
Dow Chemical Company, The. (See Stoesser, Sylvia M. and W. C., assignors.)
Doyle, Edward J., Watertown, and F. A. Butler, Newton Center, Mass. Locomotive lubricating system and apparatus. 2,180,867; Nov. 21.
Dresner, S., & Son, Inc. (See Plotkin, Joseph H., assignor.)
Drum, Harry S., and W. C. Dodson, Abington, and W. H. Jaxheimer, assignors to Smith, Drum and Company, Philadelphia, Pa. Dyeing package yarn. 2,180,896; Nov. 21.
Drybak Corporation, The. (See Speh, Herman A., assignor.)
Duffe, Frank A., Wilton Junction, Iowa. Gate operating means. 2,180,803; Nov. 21.
Dumble, William H., Bakersfield, assignor to P. Cavins, Long Beach, Calif. Well bailer. 2,180,935; Nov. 21.
Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Rubber footwear. 2,180,924; Nov. 21.
Dunbeck, Norman J., assignor to Eastern Clay Products, Inc., Elfort, Ohio. Composition. 2,180,897; Nov. 21.
Dunbrook, Raymond F., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber composition and method of preserving rubber. 2,180,936; Nov. 21.
Dunkelow, Henry J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,180,403; Nov. 21.
Dunlop Rubber Company Limited. (See Ward, A. N., and Purkis, assignors.)
Dunning, Eric W. B., London, and P. H. Pearce, Exeter, assignors to The Gas Light & Coke Company, Westminster, London, England. Griller. 2,180,868; Nov. 21.
Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,180,463; Nov. 21.
Du Pont, E. I., de Nemours & Company. (See Buxbaum, Edwin C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Delnet, Joseph, assignor.)
Du Pont, E. I., de Nemours & Company. (See Fields, Charles M. and R. T., assignors.)
Du Pont, E. I., de Nemours & Company. (See Kramer, Edward N., assignor.)
Du Pont, E. I., de Nemours & Company. (See Perkins, M. A., and Delnet, assignors.)
Du Pont, E. I., de Nemours & Company. (See Whelan, Myron S., assignor.)
Durand & Huguenin A. G. (See Peyer, Eduard, assignor.)
Durham, Hobart N., Manhasset, N. Y., assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate. 2,180,732; Nov. 21.
Dwyer, Frank W., Chicago, Ill. Gas testing device. 2,181,013; Nov. 21.
Dyresen, Didrick, Billerica, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener member. 2,180,925; Nov. 21.
Earle, Guyon L. C., Forest Hills, N. Y. Kitchen device. 2,180,459; Nov. 21.
Earle, Guyon L. C., Forest Hills, N. Y. Refrigerator. 2,180,460; Nov. 21.
Eastern Clay Products, Inc. (See Dunbeck, Norman J., assignor.)
Eastley, Mona V., assignor to C. A. Mureau, Los Angeles, Calif. Device for containing and applying cosmetics. 2,180,404; Nov. 21.
Ebner, Oswald. (See Hönigsberg, R., and Ebner.)

Eby, Eugene D., and T. C. Aitchison, Pittsfield, Mass., assignors to General Electric Company. Hydraulic press. 2,180,979; Nov. 21.
Economy Baler Company. (See Langford, George W., assignor.)
Edison, Thomas A., Incorporated. (See Wilson, Herbert O., assignor.)
Edwards, William F. M., London, and R. F. May, Middlesex, assignors to Filter Tips Limited, London, England. Manufacture of cigarettes. 2,180,669; Nov. 21.
Einfalt, Georg, Nuremberg, Germany. Toy railway. 2,180,405; Nov. 21.
Eisenberg, Leonard, Bronx, N. Y. Attachment for paint cans or the like. 2,180,581; Nov. 21.
Eisler, Marcel J., New York, N. Y., assignor to Conmar Products Corporation, Bayonne, N. J. Figure adapted for advertising and toy purposes. 2,180,340; Nov. 21.
Ekholm, Carl G. (See Summers, Austin P., assignor.)
Electric Furnace Company, The. (See Vaughan, Arthur H., assignor.)
Electrolux Corporation. (See Mortensen, Rasmus P., assignor.)
Eliel, Leon T., Pasadena, and E. R. Polley and M. A. Phillips, assignors to Fairchild, Polley & Eliel, Inc., Los Angeles, Calif. Method and apparatus for assembling maps. 2,180,406; Nov. 21.
Ellis, Owen W., Forest Hill, Ontario, Canada. Pipe closure. 2,180,461; Nov. 21.
Elston, George F., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Double diode. 2,181,080; Nov. 21.
Emmert, Kenneth L. (See Hensel, F. R., and Emmert.)
Engel, Kurt, St. Louis, Ht. Rhin, France, assignor to the firm of J. R. Geigy S. A., Basel, Switzerland. Sulphonated indole derivatives and their manufacture. 2,180,801; Nov. 21.
Enterprise Foundry Corporation. (See Bohuslav, Hans A., assignor.)
Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)
Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Advertising door pull. 2,180,670; Nov. 21.
Erickson, Hugo, Chicago, Ill. Radiator stop-leak. 2,180,341; Nov. 21.
Ericson, Don A. (See Shinn, A. A., and Ericson.)
Erlach, Iva L. (See Yancey, W. O., and Erlach.)
Esser, Heinrich, Berlin-Charlottenburg, Germany. Heel with exchangeable tip. 2,181,110; Nov. 21.
Evans, Earl R., Jackson Heights, N. Y. Lamp or plug and receptacle therefor. 2,181,050; Nov. 21.
Everett, Edward A., Long Island City, N. Y., assignor to M. H. Loughridge, Bogota, N. J. Electric bond for rail joints. 2,180,350; Nov. 21.
Fahrenwald, Frank A., Harvey, Ill., and N. F. Parkinson and G. H. Barnes, assignors to International Titanium Limited, Toronto, Ontario, Canada. Electrostatic separation. 2,180,804; Nov. 21.
Fahrney, Delmer S., U. S. Navy. Rotary internal combustion engine. 2,180,352; Nov. 21.
Fairchild, Polley & Eliel, Inc. (See Eliel, L. T., Polley, and Phillips, assignors.)
Falkenberg, William P., assignor to Rayolite Rifle Range Company, Chicago, Ill. Electric target practice game. 2,181,015; Nov. 21.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic rail brake. 2,180,870; Nov. 21.
Farrell, Richard, Detroit, Mich. Speedometer drive. 2,180,511; Nov. 21.
Farrens, Edward F., assignor of forty per cent to R. Foo, Stockton, Calif. Clock. 2,180,627; Nov. 21.
Fassnacht, Karl, Cranston, R. I., and L. W. Ballou, assignors to D. E. Makepeace Co., Attleboro, Mass. Bracelet structure and making the same. 2,180,980; Nov. 21.
Fedders Manufacture Company. (See Przyborowski, Stanislaus, assignor.)
Federal Products Corporation. (See Street, Chauncey C., assignor.)
Fehrle, Alfred. (See Streitwolf, K., Fehrle, and Herrmann.)
Felix, Friedrich, Basel, P. Grossmann, Binningen, and M. Bommer, Riehen, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. α-amino-anthraquinones and making same. 2,180,805; Nov. 21.
Fenske, Merrell R., assignor to The Pennsylvania Research Corporation, State College, Pa. Process and apparatus for fractionating. 2,180,512; Nov. 21.
Fernseh Aktiengesellschaft. (See Bähring, Herbert, assignor.)
Few, Ernald L., Wimbledon, England. Steam joint. 2,180,407; Nov. 21.
Fiedler, Edmond F., Adams, Mass., assignor to General Electric Company. Making phenol-aldehyde resins. 2,180,981; Nov. 21.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,180,583; Nov. 21.
Fielding, George T., Stamford, Conn. Glass washing machine. 2,180,408; Nov. 21.
Fields, Charles M. and R. T., Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for maintaining constant hydrostatic pressure upon a liquid. 2,180,818; Nov. 21.
Fields, Reuben T. (See Fields, Charles M. and R. T.)
Filter Tips Limited. (See Edwards, W. F. M., and May, assignors.)
Findlay, Alexander C., Chicago, Ill. Locking mechanism for automobile doors. 2,180,819; Nov. 21.
Firestone Tire & Rubber Company, The. (See Brown, Roy W., assignor.)
Firestone Tire & Rubber Company, The. (See Dunbrook, Raymond F., assignor.)
Firestone Tire & Rubber Company, The. (See Kuhn, John W., assignor.)
Fischer, William L., Philadelphia, Pa. Torsional vibration damper. 2,180,351; Nov. 21.
Fleischel, Gaston, Bieneau, Yonne, France. Planetary transmission system. 2,180,671; Nov. 21.
Fleischer, Gerhard A. (See Schwenk, E., Whitman, and Fleischer.)
Fleischhauer, Richard, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Monoazo dyestuffs. 2,181,051; Nov. 21.
Flesch, John E. (See Cottrell, R. B., and Flesch.)
Fletcher, James L. (See Atchison, L. W., and Fletcher.)
Fluid Packed Pump Company. (See Connor, William L., assignor.)
Fluor Corporation, The. (See Laulhere, Bernard M., assignor.)
Follett, Benjamin B., Warwick, R. I., assignor to United Electric Railways Company. Circuit breaker for electrically powered vehicles. 2,180,871; Nov. 21.
Foo, Richard. (See Farrens, Edward F., assignor.)
Food Machinery Corporation. (See Stebler, Fred, assignor.)
Ford, Lee W. (See Parsons, Edward B., assignor.)
Ford, William H., Williamsville, N. Y. Machining curved surfaces. 2,180,872; Nov. 21.
Foster, Boutwell H., Maplewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Asbestos fabric cover for ironing surfaces. 2,180,515; Nov. 21.
Foster, Harold B., Williamsville, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Vanadium oxide catalyst. 2,180,353; Nov. 21.
Foster, Nathaniel L. (See Sipe, Harry E., assignor.)
Foulds, John P., Revere, Mass., assignor to General Electric Company. Floodlight projector. 2,180,982; Nov. 21.
Fouts, Samuel E. (See Bowyer, Abbie G., assignor.)
Fowler, Clarence B., West New Brighton, N. Y. Liquid container with electric heating means. 2,180,733; Nov. 21.
Fox River Tractor Company, The. (See Salberlich, Erwin W., assignor.)
Foxboro Company, The. (See Allen, Albert, assignor.)
Frank, Charles S. (See Lorenzen, Ben L., assignor.)
Frankenburger, Walter, Ludwigshafen, and H. Schulz, Heidelberg, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic material. 2,180,409; Nov. 21.
Frazer, James S., Earleville, Md. Internal combustion engine. 2,180,898; Nov. 21.
Frazier, Arthur H., Washington, D. C., assignor to the Government of the United States, as represented by the Secretary of the Interior. Water surveying apparatus. 2,180,354; Nov. 21.
Fred, Walter, Chattanooga, Tenn. Lubricating bearing for spring leaves. 2,180,464; Nov. 21.
Freeman, Stanley C. (See Horton, A. J., and Freeman.)
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Converting gaseous hydrocarbons. 2,180,672; Nov. 21.
Frick Company. (See Buehler, Leon, Jr., assignor.)
Fridén, John H., Maplewood, assignor to The Sun Tube Corporation, Hillside, N. J. Making collapsible containers. 2,180,628; Nov. 21.
Fries, Gustav, assignor to Tefi-Apparatebau Dr. Daniel K.-G., Cologne, Germany. Sound reproducing apparatus for endless band sound carriers. 2,181,112; Nov. 21.
Fry, Jacob R., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,180,705; Nov. 21.
Fryer, Louis S., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for the manufacture of artificial filaments. 2,181,052; Nov. 21.
Fugill, Alfred P., Ferndale, and D. H. Corey, Grosse Pointe, assignors, by mesne assignments, to Kuhlman Electric Company, Bay City, Mich. Apparatus for relieving stresses in welds. 2,180,513; Nov. 21.
Fullerite, Incorporated. (See Baylis, W. S., and Kelley, assignors.)
Gaede, John W., Cleveland, Ohio. Saw set. 2,180,899; Nov. 21.
Galetti, Mario, Milan, Italy. Articulator. 2,180,673; Nov. 21.
Gannaway, John E., Fort Smith, Ark. Gun sight. 2,181,081; Nov. 21.
Gano, Alfred S., assignor to Associated Press, New York, N. Y. Modulation system. 2,180,514; Nov. 21.

Gardner, John W., Liverpool, England. Canister container. 2,180,806; Nov. 21.
Garrels, John C., and H. Roderick, Grosse Ile, assignor to Michigan Alkali Company, Wyandotte, Mich. Production of a pure caustic soda in conjunction with the ammonia soda process. 2,180,755; Nov. 21.
Garrett, Joseph E. (See Kugelman, J., and Garrett.)
Gas Light & Coke Company, The. (See Dunning, E. W. B., and Pearce, assignors.)
Gas Machinery Company, The. (See Printz, Charles H., assignor.)
Gaspari, J., & Co. (See Gaspari, Joseph, assignor.)
Gaspari, Joseph, Harrison, assignor to J. Gaspari & Co., Inc., New York, N. Y. Ophthalmic mounting. 2,180,820; Nov. 21.
Gattoni, John, Union City, assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J. Apparatus for sharpening knife edges. 2,180,952; Nov. 21.
Gauch, Harold W. (See Steuernagel, G. H., and H. W. and R. R. Gauch.)
Gauch, Ray R. (See Steuernagel, G. H., and H. W. and R. R. Gauch.)
Gay, Joseph S., Buffalo, N. Y. Method of and templet punch for stamping flat sheet metalwork. 2,180,869; Nov. 21.
Gehnrich, Charles L., Elmhurst, N. Y. Locking device. 2,180,516; Nov. 21.
Geigy, J. R., S. A. (See Engel, Kurt, assignor.)
Geisse, John H., Washington, D. C. Internal combustion engine. 2,180,674; Nov. 21.
Geissel, Leonard C., South Pasadena, Calif. Attachment for line casting machines. 2,180,410; Nov. 21.
Gelfand, George, Wilkes-Barre, Pa. Pretzel stick package. 2,180,465; Nov. 21.
General American Precooling Corporation. (See Stebbins, Harry Y., assignor.)
General Aniline Works, Inc. (See Fleischhauer, Richard, assignor.)
General Aniline Works, Inc. (See Kramer, Erwin, assignor.)
General Aniline Works, Inc. (See Krzikalla, H., and Alt, assignors.)
General Aniline Works, Inc. (See Scherer, Otto, assignor.)
General Cable Corporation. (See Aken, James N., assignor.)
General Chemical Company. (See Carter, Bernard M., assignor.)
General Electric Company. (See Atchison, L. W., and Fletcher, assignors.)
General Electric Company. (See Brown, George R., assignor.)
General Electric Company. (See Butler, Henry E., assignor.)
General Electric Company. (See Eby, E. D., and Aitchison, assignors.)
General Electric Company. (See Fiedler, Edmond F., assignor.)
General Electric Company. (See Foulds, John P., assignor.)
General Electric Company. (See Hall, Ralph W., assignor.)
General Electric Company. (See Lemmers, E., and Carpenter, assignors.)
General Electric Company. (See Mason, Charles R., assignor.)
General Electric Company. (See Matusita, Yosio, assignor.)
General Electric Company. (See Meyers, George J., Jr., assignor.)
General Electric Company. (See Sabbah, Camil A., assignor.)
General Electric Company. (See Warner, Donald F., assignor.)
General Industries Company, The. (See Borchers, Alwin C., assignor.)
General Motors Corporation. (See Carlson, Wilbur L., assignor.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Marvin, John T., assignor.)
General Motors Corporation. (See Poole, Lorn E., assignor.)
General Plastics, Inc. (See Dent, H. M., and Norton, assignors.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
George, Roscoe H., West Lafayette, Ind., assignor to Radio Corporation of America. Screen material. 2,180,734; Nov. 21.
Gerst, Chris. (See Jaeger, G., and Gerst.)
Gesellschaft für Linde's Eismaschinen A.-G., et al. (See Schaftan, P., and Steinbacher, assignors.)
Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel combustion control system. 2,180,675; Nov. 21.
Gillis, Gary. (See Reitz, August P., assignor.)
Ginnel, Henry, Scarsdale, N. Y. Fluid dispensing apparatus. 2,180,821; Nov. 21.
Gleason, Anthony H., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparation of aromatic esters. 2,180,953; Nov. 21.
Glenwood Range Company. (See Wiley, Clarence F., assignor.)
Globe-Wernicke Company, The. (See Hearn, Thomas A., assignor.)
Goff, Lionel E., Alton, assignor to The Cellulose Research Corporation, East Alton, Ill. Making cellulose derivatives. 2,180,517; Nov. 21.
Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. Temperature control device. 2,180,706; Nov. 21.
Gong Bell Manufacturing Company, The. (See Allen, Harold D., assignor.)
Goodrich, B. F., Company, The. (See Bedell, James R., assignor.)
Goodwin, Ernest G., Roanoke, Va. Load responsive recoil snubber. 2,180,900; Nov. 21.
Goss Printing Press Company, The. (See Durham, Hobart N., assignor.)
Government of the United States, as represented by the Secretary of the Interior. (See Frazier, Arthur H., assignor.)
Graham, Erwin W., assignor to Burgess Battery Company, Madison, Wis. Air cleaner. 2,180,411; Nov. 21.
Great Southern Box Company. (See Lapara, Anthony, assignor.)
Great Southern Box Company. (See Olivier, Paul E., assignor.)
Green, William A., Jonesboro, Ark., and E. Rolle, New York, N. Y., assignors to Standard Oil Company of California, San Francisco, Calif. Odorizer for natural gas. 2,180,584; Nov. 21.
Gregory, Carey G., Los Angeles, Calif. Desk set. 2,180,518; Nov. 21.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Floor discharging defecator. 2,180,585; Nov. 21.
Gross, William F., De Pere, Wis. Plant protector. 2,181,016; Nov. 21.
Grosse, Aristid V. (See Mattox, W. J., and Grosse.)
Grossmann, Paul. (See Felix, F., Grossmann, and Bommer.)
Gruenhagen, William H., St. Paul, Minn. Fishing bait. 2,180,822; Nov. 21.
Guest, Albert. (See Neale, J. E., and Guest.)
Gulmond, Isadore E., Kankakee, Ill. Bowling pin. 2,180,676; Nov. 21.
Gustafsson, Eric, assignor to Binks Manufacturing Company, Chicago, Ill. Spray booth. 2,180,586; Nov. 21.
Haber, Christian, Hechingen, and E. Haumann, Stetten, near Hechingen, Germany. Device for finishing the soles of shoes. 2,180,807; Nov. 21.
Haffcke, Philip M., Washington, D. C. Suppressing noise in radio receivers. 2,180,355; Nov. 21.
Hagenhaus, Kurt. (See Dietrich, J., and Hagenhaus.)
Hagquist, Gustaf E. (See Rundell, R. E., and Hagquist.)
Haigh, Leslie B. (See Hatton, W., Haigh, and Kozma.)
Hall, Ralph W., Fort Wayne, Ind., assignor to General Electric Company. Dynamo-electric machine. 2,180,983; Nov. 21.
Hall-Welter Co. (See Welter, Herman C., assignor.)
Haller, Arnold, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Disk brake. 2,180,677; Nov. 21.
Hamilton, Francis F., and A. R. Lundquist, Miami, Fla. Nail coating stencil. 2,180,519; Nov. 21.
Hamilton, William S. H., Larchmont, N. Y., assignor to The New York Central Railroad Company. Air conditioning. 2,181,053; Nov. 21.
Hamister, Victor C., Lakewood, Ohio, assignor to National Carbon Company, Inc. Making sorptive carbon. 2,180,735; Nov. 21.
Hammeren, Hans, Bethlehem, Pa., assignor to Bethlehem Steel Company. Floating roof seal. 2,180,587; Nov. 21.
Hammon, George L., assignor to National Welding Equipment Company, San Francisco, Calif. Metal spray gun. 2,181,082; Nov. 21.
Hamprecht, Guenther, and G. Pauckner, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separation of nickel from copper. 2,180,520; Nov. 21.
Hampton, Horace A., A. Hill, and E. B. Robinson, Manchester, England, assignors to Imperial Chemical Industries Limited. Modified alkyd resin. 2,181,054; Nov. 21.
Hanhart, Walter. (See Straub, F., and Hanhart.)
Hanks, Frederick W., Cleveland, Ohio. Fluid-meter structure. 2,180,629; Nov. 21.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Phase modulation receiver. 2,180,736; Nov. 21.
Hanson, Henry L. (See Hanson, Henry Lauritz and Henry L.)
Hanson, Henry L., deceased, and H. L. Hanson, Worcester, Mass.; T. C. Hanson, executrix of Henry Lauritz Hanson. Tube threading implement. 2,180,466; Nov. 21.
Hanson, Thekla C., executrix. (See Hanson, Henry Lauritz and Henry L.)
Harding, Leo R., Buffalo, N. Y. Stitching mechanism for sewing machines. 2,180,756; Nov. 21.
Harleston, Loyd, Baton Rouge, La. Control system for pipe lines. 2,180,901; Nov. 21.
Harley-Davidson Motor Company. (See Harley, William S., assignor.)

Harley, William S., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Piston. 2,180,521; Nov. 21.

Harris-Seybold-Potter Company. (See Sims, William O., assignor.)

Harris, William H., Jr. (See Brower, E. F., and Harris.)

Harrison, George, assignor to Doehler Die-Casting Co., Toledo, Ohio. Hole sizing tool. 2,180,823; Nov. 21.

Harrison, John K. M., Ogontz, Pa. Machine for making, filling, and sealing containers. 2,180,954; Nov. 21.

Hart, Earl R., Cleveland Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Clutch. 2,180,412; Nov. 21.

Harvey, Robert L., Oaklyn, N. J., assignor to Radio Corporation of America. Magnetically tuned high frequency circuits. 2,180,413; Nov. 21.

Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)

Hatton, William, L. B. Haigh, and L. Kozma, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic call ticketing system. 2,180,824; Nov. 21.

Hattox, Erwin M. (See Stahly, E. E., and Hattox.)

Haumann, Ernst. (See Haber, C., and Haumann.)

Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Stitch-cutting machine. 2,180,414; Nov. 21.

Hearn, Thomas A., Ludlow, Ky., assignor to The Globe-Wernicke Company, Norwood, Ohio. Locking device. 2,180,630; Nov. 21.

Heise, George W. (See Schumacher, E. A., and Heise.)

Heise, George W., Rocky River, and E. A. Schumacher, Lakewood, Ohio, assignors to Union Carbide and Carbon Corporation. Primary battery. 2,180,955; Nov. 21.

Heisterkamp, Herbert W., assignor to The Bryant Heater Company, Cleveland, Ohio. Air conditioning system. 2,180,467; Nov. 21.

Helicopter Corporation of America. (See de Bothezat, George, assignor.)

Helyan, Charles M. (See Hetessy, Frank A., assignor.)

Henne, Isabelle, Brooklyn, N. Y. Dental floss throw-away unit and making same. 2,180,522; Nov. 21.

Henricksen, Bjarne, North Bergen, N. J., assignor to Sedgwick Machine Works, Incorporated, Poughkeepsie, N. Y. Elevator safety device. 2,180,825; Nov. 21.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contacting element. 2,180,956; Nov. 21.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Metal composition. 2,180,984; Nov. 21.

Hensel, Franz R., and K. L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contacting element. 2,180,827; Nov. 21

Hensel, Franz R., and K. L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical make and break contact. 2,180,845; Nov. 21.

Hensel, Franz R., and E. F. Swazy, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact. 2,180,826; Nov. 21.

Henze, Hubert A., Wood-Ridge, N. J. Measuring instrument. 2,180,588; Nov. 21.

Hercules Powder Company. (See Mayfield, Evart E., assignor.)

Hermann, Earnest T., El Segundo, Calif. Forming lightweight fluid pervious ceramic bodies. 2,180,757; Nov. 21.

Herodes, Vincent, and E. Janes, Chicago, Ill. Flush tank moisture collection device. 2,180,902; Nov. 21.

Herrmann, Arthur L., Detroit, Mich. Combination storm sash and screen frame construction. 2,180,415; Nov. 21.

Herrmann, Walter. (See Streitwolf, K., Fehrle, and Herrmann.)

Hess, Henry W., Toledo, Ohio. Heat treatment for glass. 2,180,737; Nov. 21.

Hetessy, Frank A., assignor of one-half to C. M. Helyan, Chicago, Ill. Portable oxygen therapy apparatus. 2,180,631; Nov. 21.

Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Adjustable speed drive. 2,180,678; Nov. 21.

Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Multiple belt adjustable speed drive system. 2,180,679; Nov. 21.

Heywood-Wakefield Company. (See Sellers, Austin C., assignor.)

Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation of oils containing vitamins. 2,180,356; Nov. 21.

Hild, Frederic W., Los Angeles, Calif. Casing head for pressure drilling. 2,180,680; Nov. 21.

Hill, Arthur. (See Hampton, H. A., Hill, and Robinson.)

Hill, Charles A., Oakland, Calif. Game apparatus 2,180,416; Nov. 21.

Hill, Edward G., assignor to Hill Engineering Corporation, Richmond, Va. Vehicle brake mechanism. 2,180,937; Nov. 21.

Hill Engineering Corporation. (See Hill, Edward G., assignor.)

Hill, Ernest F., assignor to Carroll & Carroll, Oakland, Calif. Toilet seat hinge. 2,181,017; Nov. 21.

Hill, Wayne B., Redondo Beach, Wash. Bid scoring device for contract and auction bridge. 2,180,873; Nov. 21.

Hillis, David R., Detroit, Mich., assignor to Trabon Engineering Corporation, Cleveland, Ohio. Reversible single-line feeder. 2,180,632; Nov. 21.

Hirvonen, Eric J., assignor to Leland-Gifford Company, Worcester, Mass. Boring machine. 2,181,055; Nov. 21.

Hochstim, Samuel, Schenectady, N. Y. Dispenser. 2,180,468; Nov. 21.

Hodges, Finers F., Dallas, Tex. Well drilling and reaming tool. 2,180,589; Nov. 21.

Hoe, R., & Co. (See Horton, A. J., and Freeman, assignors.)

Hoe, R., & Co. Inc. (See Stone, Leslie N., assignor.)

Hogg, Hazel V. (See Hogg, Robert T. and H. V.)

Hogg, Robert T. and H. V., Portland, Oreg., assignors to C. E. Burns, Stamford, Conn. Hair retaining attachment for power razors. 2,180,738; Nov. 21.

Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electronic device. 2,180,957; Nov. 21.

Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electronic system. 2,180,958; Nov. 21.

Holt, Clarence G., Melrose, Mass. Screw head. 2,180,633; Nov. 21.

Holzner, Adolf, Brooklyn, N. Y. Score register. 2,180,590; Nov. 21.

Hönigsberg, Robert, and O. Ebner, Vienna, Austria; said Ebner assignor to said Hönigsberg. Article of linen or garment. 2,180,758; Nov. 21.

Hoos, Benjamin G. (See Schur, M. O., and Hoos.)

Hooven, Frederick J., Dayton, Ohio. Ignition system. 2,180,358; Nov. 21.

Hopkins, Mark A., Indianapolis, assignor to Prest-O-Lite Storage Battery Corporation, Speedway, Ind. Storage battery construction. 2,180,959; Nov. 21.

Horansky, Charles, and F. J. Suchanek, New York, N. Y. Beer return device. 2,180,828; Nov. 21.

Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Apparatus for testing axles and the like. 2,180,363; Nov. 21.

Horn, Josef, assignor of fifty per cent to E. Weber, Dresden, Germany. Production of metallic printing plates or cylinders. 2,181,111; Nov. 21.

Horton, Albert J., White Plains, and S. C. Freeman, Mount Vernon, assignors to R. Hoe & Co., Inc., New York, N. Y. Printing and bundling machine. 2,181,088; Nov. 21.

Horton, Frank J., Detroit, Mich. Smoothing iron reservoir. 2,180,523; Nov. 21.

Hosmer, Emery N. (See Verzi, Linus A., assignor.)

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,180,357; Nov. 21.

Houde Engineering Corporation. (See Peo, Ralph F., assignor.)

Houdry Process Corporation. (See Lassiat, Raymond C., assignor.)

Houseman, Harold E., assignor to Scott & Williams, Inc., Laconia, N. H. Knitting machine. 2,180,707; Nov. 21.

Houseman, Harold E., assignor to Scott & Williams, Inc., Laconia, N. H. Knitting machine. 2,180,708; Nov. 21.

Houseman, Harold E., assignor to Scott & Williams, Inc., Laconia, N. H. Knitting machine. 2,180,709; Nov. 21.

Howe, Andrew F., University City, Mo. Burial box. 2,180,739; Nov. 21.

Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation. Air conditioning system. 2,180,634; Nov. 21.

Hudson, H. D., Manufacturing Company. (See Oys, J. E., and Perron, assignors.)

Huebner, William C., New York, N. Y. Photographically composing type characters. 2,180,417; Nov. 21.

Hughes, Lester, and R. Blackledge, Blandinsville, Ill. Expansion joint. 2,181,018; Nov. 21.

Hunter, Philip V., and A. W. Metcalf, assignors to Callender's Cable and Construction Company Limited, London, England. Cartridge fuse. 2,180,874; Nov. 21.

Huye, Joseph G., New Orleans, La. Hat packing stay and combination thereof with a hat box. 2,180,524; Nov. 21.

Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)

Hydraulic Equalizer Company. (See Wilson, Thomas J., assignor.)

Hyslop, Samuel, Newton, Mass. Thread cleaning device. 2,180,985; Nov. 21.

I. G. Farbenindustrie Aktiengesellschaft. (See Brunner, Arnold, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Hamprecht, G., and Pauckner, assignors.)

Imperial Chemical Industries Limited. (See Hampton, H. A., Hill, and Robinson, assignors.)

Industrial Patents Corporation. (See Urbain, Walter M., assignor.)

Industrial Rayon Corporation. (See Fryer, Louis S., assignor.)

Industrial Washing Machine Corporation. (See Ball, Harold H., assignor.)

Ingersoll-Rand Company. (See Terry, Edward F., assignor.)

Ingram, George V., Oakland, Calif. Table. 2,180,525; Nov. 21.

International Cigar Machinery Company. (See Rundell, R. E., and Hagquist, assignors.)

International Engineering Corporation. (See Clark, Kendall, assignor.)

International Engineering Corporation. (See Kliesrath, Victor W., assignor.)

International Titanium Limited. (See Fahrenwald, F. A., Parkinson, and Barnes, assignors.)

Irvine, Samuel M., assignor of one-half to R. B. Koehler, Great Neck, N. Y. Hedge shears. 2,181,056; Nov. 21.

Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)

Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Method and apparatus for cold rolling strip metal. 2,180,635; Nov. 21.

Jacobstein, Archie and B., Louisville, Ky. Chance ticket. 2,180,808; Nov. 21.

Jacobstein, Bessie. (See Jacobstein, Archie and B.)

Jacquard Knitting Machine Co. (See Sirmay, Julius, assignor.)

Jaeger, Alphons O. (See Caryl, C. R., and Jaeger.)

Jaeger, Gebhard, Columbus, Ohio, and C. Gerst, Detroit, Mich. Transmission. 2,180,470; Nov. 21.

Jaeger, Gebhard, Columbus, Ohio, and C. Gerst, Detroit, Mich., assignors to The Jaeger Machine Company, Columbus, Ohio. Transmission. 2,180,469; Nov. 21.

Jaeger Machine Company, The. (See Jaeger, G., and Gerst, assignors.)

James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, Sewickley, Pa., trustee. Resinification of oxidized terpene hydrocarbons. 2,180,418; Nov. 21.

Janes, Emil. (See Herodes, V., and Janes.)

Jaxheimer, William H. (See Drum, H. S., Dodson, and Jaxheimer.)

Jayne, David W., Jr., Old Greenwich, and A. E. Anderson, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Substituted biguanides as flotation reagents. 2,180,926; Nov. 21.

Jensen, Louis, Chicago, Ill., assignor to United Autographic Register Co. Feeding and aligning mechanism for a cutting device. 2,180,903; Nov. 21.

Johns-Manville Corporation. (See Rembert, Ernest W., assignor.)

Johnsen, George E., Phoenix, Ariz. Retractable landing gear. 2,180,526; Nov. 21.

Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,180,927; Nov. 21.

Johnson, Fred P., Raeford, N. C. Conveyer. 2,180,681; Nov. 21.

Johnson, Jay J. R., Mumford, N. Y. Collapsible vehicle wheel. 2,180,471; Nov. 21.

Johnston, James W., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Grading machine. 2,180,591; Nov. 21.

Jones, Burr W., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,180,527; Nov. 21.

Jorgensen, Knud C., Auckland, Auckland, New Zealand. Expansion joint for roofing and the like surfaces. 2,180,904; Nov. 21.

Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 2,180,359; Nov. 21.

Kaegi, Hans. (See Miescher, K., Kaegi, and Plattner.)

Karl, Heinrich, Jersey City, N. J. Automatic and manually operable stopping and assisting device for automobiles. 2,180,846; Nov. 21.

Kartaschoff, Valentin, assignor to the firm of Chemical Works formerly Sandoz, Basel, Switzerland. Basic condensation products and their manufacture. 2,180,809; Nov. 21.

Kasarjian, Armen A., Jackson Heights, Long Island, N. Y. Spark plug. 2,180,528; Nov. 21.

Kaseberg, Theodore C., Granite City, Ill., assignor to American Car and Foundry Company, New York, N. Y. Grinding machine. 2,180,529; Nov. 21.

Kassler, Adolph, New York, N. Y., and R. A. Shields, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Drop bottom railway car. 2,180,530; Nov. 21.

Kaye, Harold J., New York, N. Y. Selector control mechanism. 2,180,740; Nov. 21.

Keegan, Edward J., Richmond, Va. Pipe joint mold. 2,180,810; Nov. 21.

Kelley, William. (See Baylis, W. S., and Kelley.)

Kelsey-Hayes Wheel Company. (See Bonzack, Stanley, assignor.)

Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)

Kelsey-Hayes Wheel Company. (See Main, Frank L., assignor.)

Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)

Kelsey-Hayes Wheel Company. (See Thomas, George J., assignor.)

Kemet Laboratories Company. (See McQuade, John D., assignor.)

Kemmerer, Kenneth S., assignor to Mead Johnson & Company, Evansville, Ind. Amino acids product and manufacture. 2,180,636; Nov. 21.

Kemmerer, Kenneth S., assignor to Mead Johnson & Company, Evansville, Ind. Amino acids product and manufacture. 2,180,637; Nov. 21.

Kennedy, Benjamin H., Pittsford, N. Y. Nipple structure. 2,180,960; Nov. 21.

Kettleborough, Harry J., Mendota, assignor to H. D. Conkey & Company, Chicago, Ill. Ice cream freezer. 2,181,089; Nov. 21.

Kinder, Halsey G., assignor to Macwhyte Company, Kenosha, Wis. Apparatus for lubrication. 2,180,875; Nov. 21.

King, Henry V., Shawnee, Okla. Liquid separator. 2,180,811; Nov. 21.

Kingsport Press, Inc. (See Palmer, E. W., and Beutler, assignors.)

Klangfilm Gesellschaft mit beschrankter Haftung. (See Wohlrab, Hans C., assignor.)

Kliesrath, Victor W., South Bend, Ind., assignor, by mesne assignors, to International Engineering Corporation, Chicago, Ill. Vehicle. 2,180,592; Nov. 21.

Kneisley, Richard F., Toledo, Ohio. Stationary induction apparatus. 2,180,759; Nov. 21.

Knoll, Max, B. Bartels, and O. Spengler, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray tube screen. 2,180,710; Nov. 21.

Koehler, Rosa B. (See Irvine, Samuel M., assignor.)

Kohler, John H., Nottingham, assignor to Carr Fastener Company Limited, Staplefford, England. Sliding clasp fastener. 2,180,928; Nov. 21.

Kolmodin, Axel, Lockport Township, Will County, Ill. Motion picture film reel. 2,180,829; Nov. 21.

Koppers Company. (See Becker, Joseph, assignor.)

Kozma, Ladislas. (See Hatton, W., Haigh, and Kozma.)

Kramer, Edward N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of water-soluble titanium compounds. 2,180,961; Nov. 21.

Kramer, Erwin, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone-acridone series. 2,180,419; Nov. 21.

Krause, Georg A., et al. (See Schuftan, P., and Steinbacher, assignors.)

Kroll, Nathan J. (See Kroll, Samuel and N. J.)

Kroll, Samuel and N. J., Chicago, Ill. Carriage. 2,180,531; Nov. 21.

Krum, Howard L., Kenilworth, and C. W. Swan, assignors to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,180,360; Nov. 21.

Krzikalla, Hans, and W. Alt, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 2,181,057; Nov. 21.

Kucher, Andrew A., Dayton, Ohio. Refrigerating apparatus. 2,180,472; Nov. 21.

Kueffer, E. H. (See Metcalf, Herbert E., assignor.)

Kugelman, Jack, Abington, and J. E. Garrett, Philadelphia, Pa.; said Garrett assignor to said Kugelman. Stocking and making same. 2,180,593; Nov. 21.

Kuhlman Electric Company. (See Fugill, A. P., and Corey, assignors.)

Kuhlman, Henry J., assignor to Kuhlman Manufacturing Company, Waterloo, Iowa. Corn harvester. 2,180,594; Nov. 21.

Kuhlman, Henry J., assignor to Kuhlman Manufacturing Company, Waterloo, Iowa. Corn harvester. 2,180,595; Nov. 21.

Kuhlman Manufacturing Company. (See Kuhlman, Henry J., assignor.)

Kuhn, John W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Individual pneumatic suspension system. 2,180,876; Nov. 21.

L. T. Corporation. (See Tench, Frederick, assignor.)

Lambert, Byron J., Iowa City, Iowa. Grandstand construction. 2,180,986; Nov. 21.

La Monte, George, & Son. (See Bassford, Ethan F., assignor.)

Landers, Frary & Clark. (See Anderson, Oscar M., assignor.)

Lange, Karl, Hamburg, Germany. Moving coil induction meter. 2,180,473; Nov. 21.

Langford, George W., assignor to Economy Baler Company, Ann Arbor, Mich. Baling press. 2,181,019; Nov. 21.

Lapara, Anthony, New Orleans, assignor to Great Southern Box Company, Inc., Southport, La. Lightproof shipping container. 2,180,682; Nov. 21.

La Plant-Choate Manufacturing Co. Inc. (See Austin, Ellsworthh W., assignor.)

Larsen, Carl B., assignor to J. I. Case Company, Racine, Wis. Gasifier. 2,181,058; Nov. 21.

Larsen, Leonard O., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated spool for electromagnets. 2,180,420; Nov. 21.

Larsen, Neil P., and H. J. Troche, assignors to The American Coach and Body Company, Cleveland, Ohio. Apparatus for guiding cables. 2,180,987; Nov. 21.

Lassiat, Raymond C., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Separation and treatment of fluids. 2,180,361; Nov. 21.

Laube, Grover, R. C. Stevens, and C. M. Miller, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Sound insulation means for motion picture cameras. 2,180,683; Nov. 21.

Laughton, Nelles B. (See Macallum, A. B., and Laughton.)

Laulhere, Bernard M., Walnut Park, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Treating natural gas. 2,180,596; Nov. 21.
Lavino, E. J., and Company. (See Sell, Gilbert E., assignor.)
Le Bus, George F., Longview, Tex. Self-aligning clutch. 2,180,597; Nov. 21.
Lee, Halfdan, executor. (See Lee, Leif.)
Lee, Henry B., assignor to The Ludlow Valve Manufacturing Co. Inc., Troy, N. Y. Valve. 2,181,059; Nov. 21.
Lee, Leif, Youngstown, Ohio, deceased; H. Lee, executor. Air heating system. 2,180,532; Nov. 21.
Leece, Bennett M., Shaker Heights, assignor to The Leece-Neville Company, Cleveland, Ohio. Variable speed transmission. 2,180,474; Nov. 21.
Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
Leef Bros. Inc. (See Leef, John H., assignor.)
Leef, John H., Minneapolis, Minn. Garment leg and sleeve ironer. 2,180,939; Nov. 21.
Leef, John H., Minneapolis, Minn. Apparatus for pressing tubular garment elements. 2,180,940; Nov. 21.
Leef, John H., Minneapolis, Minn. Garment leg ironer. 2,180,941; Nov. 21.
Leef, John H., Minneapolis, Minn. Garment sleeve ironer. 2,180,942; Nov. 21.
Leef, John H., assignor to Leef Bros. Inc., Minneapolis, Minn. Method of and apparatus for pressing tubular garment elements. 2,180,938; Nov. 21.
Leffler, Edmund J., Glendale, Calif. Applicator. 2,180,533; Nov. 21.
Lehmann, Herbert G., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,180,711; Nov. 21.
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Apparatus for manufacturing vehicle wheel rims. 2,181,020; Nov. 21.
Leland-Gifford Company. (See Hirvonen, Eric J., assignor.)
Lemmers, Eugene, Cleveland, and G. M. Carpenter, Mentor, Ohio, assignors to General Electric Company. Electrode for electric discharge devices. 2,180,988; Nov. 21.
Leonard, Benjamin C., Monroe, Mich. Feed table for balers. 2,181,060; Nov. 21.
Leonard, Frederick C., Cranston, R. I. Manufacture of thermostatic mixing valves. 2,180,362; Nov. 21.
Leonard, Merrill G., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control device. 2,180,421; Nov. 21.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Steel building panel. 2,180,830; Nov. 21.
Levesque, Arthur H., North Attleboro, assignor to R. F. Simmons Company, Attleboro, Mass. Clasp or coupling device for bracelets, chains, necklaces, and the like. 2,180,534; Nov. 21.
Libby, Carl F., Stoughton, Mass. Shuttleless loom. 2,180,831; Nov. 21.
Libby, Carl F., Stoughton, Mass. Loom. 2,180,832; Nov. 21.
Lindeberg, Carl, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Double bass shift for accordions. 2,180,684; Nov. 21.
Lindsay, Harvey B., Evanston, Ill. Metal mold. 2,180,422; Nov. 21.
Lineham, Rowland A., and F. Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,180,423; Nov. 21.
Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Television and like receiver. 2,180,944; Nov. 21.
Lippincott, Morss, et al. (See Peck, Robert E., assignor.)
Lisov(John, Montclair, N. J. Magazine for firearms. 2,180,741; Nov. 21.
Little, Lucius F., Owensboro, Ky. Artificial maturing of alcoholic liquors. 2,180,685; Nov. 21.
Ljungstrom, Olof, Detroit, Mich. Fuel injector pump. 2,180,475; Nov. 21.
Lockwood, George M., River Rouge, Mich., and O. H. Schoenberger, Los Angeles County, Calif.; said Lockwood assignor to said Schoenberger. Display machinery. 2,181,021; Nov. 21.
Logan, Leonard A., Flushing, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Adsorber apparatus. 2,180,712; Nov. 21.
Lohn, Peter, New York, N. Y. Liquid dispensing apparatus. 2,180,989; Nov. 21.
Lorant, Hermann, Vienna, Austria. Case for the reception of elongated articles. 2,180,713; Nov. 21.
Lorenz, C., Aktiengesellschaft. (See Reiser, Ernst, assignor.)
Lorenz, C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)
Lorenz, C., Aktiengesellschaft. (See Wundt, R. M., and Cordsmeier, assignors.)
Lorenzen, Ben L., assignor of one-half to C. S. Frank, Los Angeles, Calif. Continuous operation centrifugal juice extractor. 2,180,877; Nov. 21.
Lorinovich, Alec, Springfield, Vt. Ski protector. 2,180,686; Nov. 21.
Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Loose leaf binder. 2,180,833; No. 21.
Loughridge, Matthew H. (See Everett, Edward A., assignor.)
Lucia, Louis V., West Hartford, assignor to The Silex Company, Hartford, Conn. Automatic control for coffee makers. 2,181,090; Nov. 21.
Ludlow Valve Manufacturing Co. Inc., The. (See Lee, Henry B., assignor.)
Lundquist, Arthur R. (See Hamilton, F. F., and Lundquist.)
Lyons-Magnus, Incorporated. (See Steinbiss, Carl H., assignor.)
Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass. Refining clay. 2,180,742; Nov. 21.
Macallum, Archibald B., and N. B. Laughton, London, Ontario, Canada. Obtaining an extract of duodenal mucosa. 2,180,905; Nov. 21.
Mackenzie, Andrew A., Passaic, N. J. Cutting and hemming and stitching apparatus. 2,180,424; Nov. 21.
Macleod, Cameron, et al., trustees. (See Dahl, Edward T., assignor.)
Macleod, Eldon, et al., trustees. (See Dahl, Edward T., assignor.)
Macwhyte Company. (See Kinder, Halsey G., assignor.)
Mahan, James S., Chicago, Ill. Receptacle holder. 2,180,598; Nov. 21.
Maillard, Jean. (See Delavenna, L., and Maillard.)
Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,181,022; Nov. 21.
Makepeace, D. E., Co. (See Fassnacht, K., and Ballou, assignors.)
Mallory, P. R., & Co. (See Hensel, Franz R., assignor.)
Mallory, P. R., & Co. (See Hensel, F. R., and Emmert, assignors.)
Mallory, P. R., & Co. (See Hensel, F. R., and Swazy, assignors.)
Manning, Maxwell & Moore Incorporated. (See Briscoe, James, assignor.)
Marcel, François R., Brooklyn, N. Y. Comb. 2,180,834; Nov. 21.
Marek, Anthony J., London, England. Capping head for bottle capping machines. 2,180,812; Nov. 21.
Martin, Charles A., Buffalo, N. Y. Machine for cutting tile and the like. 2,180,743; Nov. 21.
Marvin, John T., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Welding electrode. 2,180,813; Nov. 21.
Mason, Charles R., Schenectady, N. Y., assignor to General Electric Company. Protection of alternating current systems. 2,180,990; Nov. 21.
Mason-Neilan Regulator Company. (See Dahl, Edward T.)
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire support. 2,180,878; Nov. 21.
Mattox, William J., and A. V. Grosse, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of anthracene. 2,180,814; Nov. 21.
Matusita, Yosio, Yokahama, Japan, assignor to General Electric Company. Electric valve converting system. 2,180,991; Nov. 21.
Maxcy, John D., Albany, Calif., assignor to Carbide and Carbon Chemicals Corporation. Composition of matter. 2,170,744; Nov. 21.
May, Rowland F. (See Edwards, W. F. M., and May.)
Mayfield, Evart E., Elsmere, assignor to Hercules Powder Company, Wilmington, Del. Making varnishes having high paraffin hydrocarbon tolerance, and the product thereof. 2,180,535; Nov. 21.
Mayo, Edward L., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Cooling system for vehicles. 2,180,760; Nov. 21.
Maywald, Eleanor A., executrix. (See Maywald, Frederick J.)
Maywald-Fleming Patents Company. (See Maywald, Frederick J. and F. J., Jr., assignors.)
Maywald, Frederick J. and F. J., Jr., Rutherford, N. J.; E. A. Maywald, executrix of said F. J. Maywald, deceased, assignors to Maywald-Fleming Patents Company. Rubber compound and making same. 2,180,906; Nov. 21.
McClintic, Robert H. (See Carlson, George W., assignor.)
McCollum, Henry J. De N. (See McCollum, James H. K. and H. J. De N.)
McCollum, James H. K. and H. J. De N., Evanston, Ill. Motor vehicle clutch control mechanism. 2,180,537; Nov. 21.
McElroy, Isaac E., and R. H. Shadrick, Minneapolis, Minn., assignors, by mesne assignments, to U. S. Electrical Motors, Inc., Los Angeles, Calif. Variable speed pulley. 2,180,687; Nov. 21.
McFadden, Benjamin C., assignor to Aluminum Company of America, Pittsburgh, Pa. Method of and apparatus for flattening sheet material. 2,180,879; Nov. 21.
McGrath, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,181,061; Nov. 21.
McLaughlin, John J., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Machine for threading nuts. 2,180,536; Nov. 21.

McLean, Robert W., Bridgewater, Mass., assignor to The Murray Company, Dallas, Tex. Textile machine. 2,181,091; Nov. 21.
McMahon, John H., and A. W. Miller, Berkeley, Calif. Amusement apparatus. 2,180,638; Nov. 21.
McMahon, John H., and A. W. Miller, Berkeley, Calif. Amusement apparatus. 2,180,639; Nov. 21.
McQuade, John D., Lakewood, Ohio, assignor to Kemet Laboratories Company, Inc. Thermionic device. 2,180,714; Nov. 21.
Mead Johnson & Company. (See Kemmerer, Kenneth S., assignor.)
Mechanical Man, Inc. (See Dale, Frank L., assignor.)
Mefferd, Ira W., Ainsworth, Nebr. Invisible rim spectacles. 2,181,062; Nov. 21.
Mehner, Wilma. (See Rostler, F., and Mehner.)
Meier, Josef, assignor to the firm Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Control device for cleaning machines for textile materials. 2,180,761; Nov. 21.
Meier, Wilber L., North Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Gas discharge tube and circuit. 2,180,815; Nov. 21.
Menasco, Albert S., Beverly Hills, assignor, by mesne assignments, to Vega Airplane Company, Burbank, Calif. Multiple motor drive. 2,180,599; Nov. 21.
Menefee, Robert B. (See Weatherwax, Leon J., assignor.)
Messer, Adolf, Frankfort-on-the-Main, Germany. Liquefaction and separation of gases. 2,180,715; Nov. 21.
Mesta Machine Company. (See Iversen, Lorenz, assignor.)
Metals & Controls Corporation. (See Payette, Joseph A., assignor.)
Metcalf, Alfred W. (See Hunter, P. V., and Metcalf.)
Metcalf, Herbert E., Walnut Creek, assignor to E. H. Kneffer, Oakland, Calif. Steering column directional signal switch. 2,180,688; Nov. 21.
Meyer, Fred C., Wyckoff, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,180,425; Nov. 21.
Meyer, Siegfried, Berlin, Germany. Garment hanger and support therefor. 2,180,489; Nov. 21.
Meyers, George J., Jr., Lynn, Mass., assignor to General Electric Company. Spinning together a metal and a ceramic article. 2,180,992; Nov. 21.
Michigan Alkali Company. (See Garrels, J. C., and Roderick, assignors.)
Micro Switch Corporation. (See Riche, Arthur L., assignor.)
Micromatic Hone Corporation. (See Brower, Eugene F., assignor.)
Micromatic Hone Corporation. (See Brower, E. F., and Harris, assignors.)
Miescher, Karl, Rieben, and H. Kaegi and P. Plattner, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of carbonyl compounds of the cyclopentanopolyhydrophenanthrene series. 2,180,762; Nov. 21.
Mikalson, Arthur V., Arlington, Wash. Fruit jar grinder. 2,180,640; Nov. 21.
Milhomme, Alexander, Ridgefield Park, assignor to Progressive Silk Finishing Co., Hoboken, N. J. Decorating narrow fabrics. 2,180,745; Nov. 21.
Mill, Gjon, Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Incandescent filament and lamp. 2,180,538; Nov. 21.
Millard, Jacob F., Gerrardstown, W. Va. Fruit treating and washing machine. 2,180,689; Nov. 21.
Miller, Arthur W. (See McMahon, J. H., and Miller.)
Miller, Charles M. (See Laube, G., Stevens, and Miller.)
Miller, Daniel D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,180,539; Nov. 21.
Miller, James W., Roosevelt, Okla. Swing. 2,181,063; Nov. 21.
Miller, Ralph L., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency conversion circuit. 2,180,816; Nov. 21.
Milligan, John R., San Diego, Calif. Portable collapsible seat. 2,180,426; Nov. 21.
Mills, Herbert E., Detroit, Mich., assignor to Borg-Warner Corporation. Heating unit. 2,180,600; Nov. 21.
Milton, Peter, Milwaukee, Wis., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Dispensing rack. 2,180,641; Nov. 21.
Minich, Arthur. (See Roon, L., and Minich.)
Minneapolis-Honeywell Regulator Company. (See Bower, George D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Cyr, Benjamin, assignor.)
Minneapolis-Honeywell Regulator Company. (See Gille, Willis H., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)
Mitchell, Allister S., and C. J. Davies, assignors to National Automotive Fibres, Inc., Detroit, Mich. Accumulating conveyer. 2,180,601; Nov. 21.
Mochan, George, New York, N. Y. Foldable truck. 2,180,642; Nov. 21.
Moebus, Jeanne V. (See Moebus, Robert H. and J. V.)
Moebus, Robert H. and J. V., Omaha, Nebr. Bun server. 2,180,540; Nov. 21.
Molinare, Anthony W., Oak Park, Ill. Race track. 2,180,476; Nov. 21.
Molins Machine Company. (See Ruau, Félix F., assignor.)
Molins Machine Company Limited. (See Best, Cyril, assignor.)
Moncrieff, Robert W., and E. B. Thomas, Spondon, near Derby, England, assignors to Celanese Corporation of America. Corrosion prevention. 2,180,427; Nov. 21.
Monnier, Emory J., Detroit, Mich. Pneumatic motor. 2,180,993; Nov. 21.
Monroe, Daniel A., Biscoe, N. C. Chair bottom. 2,180,690; Nov. 21.
Montel, André, and M. Rabine, Boulogne-Billancourt, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone set. 2,180,716; Nov. 21.
Moore, John B., North Chicago, Ill., assignor to Vanadium-Alloys Steel Company, Latrobe, Pa. Cutting tool. 2,181,023; Nov. 21.
Moorhouse, Henry J., South Range, Wis. Advertising device. 2,181,104; Nov. 21.
Morey, Roger G., Madison, Wis., assignor to Burgess Battery Company, Chicago, Ill. Ventilating construction. 2,180,945; Nov. 21.
Morgan, David W. R. (See Tuley, C. B., and Morgan.)
Morgan, John D., South Orange, assignor to Power Patents Company, Hillside, N. J. Electric hot plate. 2,180,602; Nov. 21.
Morgan, John D., South Orange, assignor to Power Patents Company, Hillside, N. J. Electrical heating iron and making the same. 2,180,603; Nov. 21.
Morrell, George, Corporation. (See Delorme, Jean, assignor.)
Morris, Thomas W., Chicago, Ill. Trimming apparatus for molded rubber articles. 2,180,604; Nov. 21.
Morrison, Frank A., et al., trustees. (See Dahl, Edward T., assignor.)
Mortensen, Rasmus P., Copenhagen, Denmark, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,180,930; Nov. 21.
Morton, George A., Haddon Heights, N. J., and A. W. Vance, Philadelphia, Pa., assignors to Radio Corporation of America. Television transmitting tube. 2,180,946; Nov. 21.
Morton, Henry E., Muskegon Heights, Mich. Work locating and tool guiding means for keyway forming devices. 2,180,477; Nov. 21.
Motor Wheel Corporation. (See Valjean, Ben, assignor.)
Mounce, Whitman D. (See Blau, L. W., Mounce, and Rust.)
Mulcahy, James E., Cleveland, Ohio. Sash fastener. 2,180,994; Nov. 21.
Muller, John P. (See Barnett, P. B., and Upton, assignors.)
Mullin, William B., Seattle, Wash. Multicontact thermal-control apparatus. 2,180,643; Nov. 21.
Murdock, Edwin E. (See Pfeiffer, A. G., and Murdock.)
Mureau, Charles A. (See Eastley, Mona V., assignor.)
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Knob fastening installation and knob fastener. 2,180,929; Nov. 21.
Murray, Albert F., Haddonfield, N. J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Television signal system. 2,181,064; Nov. 21.
Murray Company, The. (See McLean, Robert W., assignor.)
N. V. "Agratherm". (See Schorn, H., and Daumas, assignors.)
Naftolen-Gesellschaft zur Verwertung der Rostler-Mehner'schen Verfahren m. b. H. (See Rostler, F., and Mehner, assignors.)
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Nash-Kelvinator Corporation. (See Thomas, Charles C., assignor.)
National Aniline & Chemical Company. (See Foster, Harold B., assignor.)
National Automotive Fibres, Inc. (See Mitchell, A. S., and Davies, assignors.)
National Carbon Company. (See Hamister, Victor C., assignor.)
National Carbon Company. (See Schumacher, E. A., and Heise, assignors.)
National Welding Equipment Company. (See Hammon, George L., assignor.)
Neale, John E., and A. Guest, Coventry, England. Tubular water heater or geyser. 2,180,907; Nov. 21.
Nederbragt, Gerrit W., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Fractionating hydrocarbon oils. 2,180,763; Nov. 21.
Nelson, Earl C., Detroit, Mich. Key container. 2,180,717; Nov. 21.
Nesaloy Products, Inc. (See Ness, Harold J., assignor.)
Ness, Harold J., Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y. Metallurgical process and apparatus. 2,181,092; Nov. 21.
Ness, Harold J., Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y. Heat treatment of metals. 2,181,093; Nov. 21.
Ness, Harold J., Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y. Metallurgical process. 2,181,094; Nov. 21.

Ness, Harold J., Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y. Heating torch. 2,181,095; Nov. 21.
Ness, Harold J., Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y. Production of ferreous metals. 2,181,096; Nov. 21.
Ness, Harold J., Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y. Furnace. 2,181,097; Nov. 21.
Nessell, Clarence W., Forest Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Lighting control system. 2,180,764; Nov. 21.
Nevinger, Ralph A., Greenville, Ill. Scoreboard. 2,180,908; Nov. 21.
Newman, J. Randolph, trustee. (See Auer, Laszlo, assignor.)
New York Central Railroad Company, The. (See Hamilton, William S. H., assignor.)
Nichols, Harry T., Los Angeles, Calif. Multiple sheave block construction. 2,180,541; Nov. 21.
Nieman Ernst H., Pine Lawn, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor device. 2,180,765; Nov. 21.
Nissen, Alfred, Lake Forest, Ill. Arm rake and carrier. 2,180,544; Nov. 21.
Nordell, Carl H., assignor to Advance Engineering Company, Chicago, Ill. Testing device. 2,180,847; Nov. 21.
North American Holding Corporation. (See Johnston, James W., assignor.)
North American Holding Corporation, et al. (See White, Frank E., assignor.)
Norton, Arthur J. (See Dent, H. M., and Norton.)
Norton, Frank R., Livingston, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray sweep circuits. 2,180,364; Nov. 21.
Norton, Frank R., Livingston, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep circuits. 2,180,365; Nov. 21.
Nortron Patents Corporation. (See Baruch, Sydney N., assignor.)
Novick, Daniel, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope fastener machine. 2,180,718; Nov. 21.
Nuodex Products Co. (See Roon, L., and Minich, assignors.)
Nurnberg, Charles, Brooklyn, N. Y. Hydrometer. 2,180,995; Nov. 21.
Nye, Hugh C., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,180,817; Nov. 21.
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Oilgear Company, The. (See Douglas, James K., assignor.)
Olivier, Paul E., New Orleans, assignor to Great Southern Box Company, Inc., Southport, La. Folding display carton. 2,180,691; Nov. 21.
Ormsby, Donald D., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Drive axle assembly. 2,180,962; Nov. 21.
Osgood, George H. (See Peterson, Russell G., assignor.)
Osgood, George H., Tacoma, Wash. Glue base. 2,180,542; Nov. 21.
Osgood, George H., Tacoma, Wash. Casein glue. 2,180,543; Nov. 21.
Ostrander, John K., Philadelphia, Pa. Water heater control system. 2,180,432; Nov. 21.
Ostrom, Ernest W., Pasadena, assignor to Axelson Manufacturing Co., Los Angeles, Calif. Adjustable rod guide for pumps. 2,180,719; Nov. 21.
Otis, Herbert C., Dallas, Tex. Well plug. 2,180,605; Nov. 21.
Owens-Illinois Glass Company. (See Thomas, John H., assignor.)
Owens-Illinois Glass Company. (See Vogt, Clarence W., assignor.)
Oys, John E., and W. C. Perron, Hastings, Minn., assignors to H. D. Hudson Manufacturing Company, Chicago, Ill. Sprayer construction and cover clamping device. 2,180,606; Nov. 21.
Pacifico, Arthur. (See Silverstri, C. A., and Pacifico.)
Page, Edward J. (See Bergeron, A. P., Page, and Rushia.)
Page, John, Evanston, and C. R. Southwick, assignors to United States Gypsum Company, Chicago, Ill. Method of and apparatus for manufacturing wallboard joint tape. 2,180,433; Nov. 21.
Palmer, Elbridge W., and H. L. Beutler, assignors to Kingsport Press, Inc., Kingsport, Tenn. Book. 2,180,965; Nov. 21.
Parkinson, Norman F. (See Fahrenwald, F. A., Parkinson, and Barnes.)
Parrott, Warley L. (See Taggart, A. F., and Parrott.)
Parshad Holding Corporation et al. (See White, Frank E., assignor.)
Parsons, Edward B., assignor of one-half to L. W. Ford, Chicago, Ill. Circuit closing device. 2,180,607; Nov. 21.
Parsons, John H., Pontiac, and R. M. Powell, Detroit, Mich. Apparatus for tapping sheet metal. 2,180,545; Nov. 21.
Pauckner, Gustav. (See Hamprecht, G., and Pauckner.)
Payette, Joseph A., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass. Laminated contact. 2,181,083; Nov. 21.
Pearce, Owen A., Barnston, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 2,180,963; Nov. 21.
Pearce, Philip H. (See Dunning, E. W. B., and Pearce.)
Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal, Company, Inc., New York, N. Y. Forming machine for glassware. 2,180,766; Nov. 21.
Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Skimming device for glass tanks or furnaces. 2,180,767; Nov. 21.
Peck, Robert E., assignor of nine-twentieths to W. Burchenal, and one-twentieth to M. Lippincott, Cincinnati, Ohio. Conduit construction. 2,180,644; Nov. 21.
Peckat, Charles, River Forest, Ill. Awning for automobiles. 2,180,909; Nov. 21.
Pekalski, Stanley, and J. Bennis, Greenfield, Mass. Game apparatus. 2,180,478; Nov. 21.
Pellet, August V., Chicago, Ill. Magneto attachment. 2,180,546; Nov. 21.
Pennsylvania Industrial Chemical Corporation. (See Corkery, Frank W., assignor.)
Pennsylvania Research Corporation, The. (See Fenske, Merrell R., assignor.)
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Air conditioning system for automobiles. 2,180,943; Nov. 21.
Perkins, Melvin A., Wilmington, Del., and J. Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Bromination of benzanthrone. 2,180,835; Nov. 21.
Perkins, Ralph P., assignor to The Dow Chemical Company, Midland, Mich. Phenylmercuric citrate and making same. 2,181,098; Nov. 21.
Perron, Walter C. (See Oys, J. E., and Perron.)
Petersen, Thorvald, Erie, Pa., assignor to R. G. Wright & Company, Buffalo, N. Y. Package advancing mechanism. 2,180,548; Nov. 21.
Peterson, Russell G., assignor to G. H. Osgood, Tacoma, Wash. Wood veneer glue. 2,180,547; Nov. 21.
Peterson, Russell M., Holdrege, Nebr. Adjustable headrest. 2,180,768; Nov. 21.
Petty Laboratories, Inc. (See Reichert, Conrad, assignor.)
Peyer, Eduard, assignor to the firm of Durand & Huguenin A. G., Basel, Switzerland. Producing easily soluble coerulein derivatives. 2,180,769; Nov. 21.
Pfeiffer, Albert G., Stamford, Conn., and E. E. Murdock, Center Moriches, N. Y. Wall case. 2,181,065; Nov. 21.
Pferdmenges, Heinrich, Giesenkirchen, near Rheydt, Germany. Plural-ply woven fabrics. 2,180,770; Nov. 21.
Philco Radio & Television Corporation. (See Murray, Albert F., assignor.)
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Air conditioning system. 2,180,479; Nov. 21.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston expander. 2,180,428; Nov. 21.
Phillips, Maxwell A. (See Eliel, L. T., Polley, and Phillips.)
Phillips Petroleum Company. (See Frey, Frederick E., assignor.)
Philpott, La Verne R., Washington, D. C. Frequency modulation. 2,180,369; Nov. 21.
Przyborowski, Stanislaus, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Making cross-fin coils. 2,181,107; Nov. 21.
Przyborowski, Stanislaus, Tonawanda, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Apparatus for making cross-fin coils. 2,181,108; Nov. 21.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pifalo, Michael, Malden, Mass. Toy animal. 2,181,024; Nov. 21.
Plattner, Placidus. (See Miescher, K., Kaegi, and Plattner.)
Plotkin, Joseph H., assignor to S. Dresner & Son, Inc., Chicago, Ill. Stop hinge for luggage cases. 2,181,025; Nov. 21.
Polack, Herbert. (See Winter, E., and Polack.)
Polley, Edward R. (See Eliel, L. T., Polley, and Phillips.)
Pool, Esson J., Elmhurst, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Soldering lug and soldering lug installation. 2,180,919; Nov. 21.
Poole, Lora E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Commutator separator undercutting machine. 2,180,771; Nov. 21.
Pooler, Cecil B., Riverside, assignor to United States Gypsum Company, Chicago, Ill. Bag testing device. 2,180,608; Nov. 21.
Potter, John S., assignor to The S. W. Shattuck Chemical Company, Denver, Colo. Treating ores. 2,180,692; Nov. 21.
Poulsen, Alfred E., Los Angeles, Calif. Rotating pump rod in a well. 2,180,880; Nov. 21.
Powell, Robert M. (See Parsons, J. H., and Powell.)
Power Patents Company. (See Morgan, John D., assignor.)
Prange, Charles H., Lyndhurst, N. J., assignor to Austenal Laboratories, Inc., New York, N. Y. Denture. 2,180,549; Nov. 21.
Prest-O-Lite Storage Battery Corporation. (See Hopkins, Mark A., assignor.)

Prewitt, Arthur T., Brooklyn, N. Y. Toe and vamp liner for shoes. 2,180,996; Nov. 21.
Price, Osborne I., Frederick, Md. Sound reproducer and manufacturing the same. 2,180,482; Nov. 21.
Prince, John, assignor to Wincharger Corporation, Sioux City, Iowa. Generator tuntable mounting. 2,180,609; Nov. 21.
Printz, Charles H., assignor to The Gas Machinery Company, Cleveland, Ohio. Separating fluid-tar and sludge from hot newly made water gas. 2,180,848; Nov. 21.
Printz, Charles H., assignor to The Gas Machinery Company, Cleveland, Ohio. Removing liquid tar and sludge from water gas with the non-formation of tar emulsion. 2,180,849; Nov. 21.
Progressive Silk Finishing Co. (See Milhomme, Alexander, assignor.)
Purkis, Frank T. (See Ward, A. N., and Purkis.)
Pyle, Howard C., assignor to Union Oil Company of California, Los Angeles, Calif. Gas lift or natural flow well. 2,181,099; Nov. 21.
Rabine, Mendel. (See Montel, A., and Rabine.)
Radio Corporation of America. (See Elston, George F., assignor.)
Radio Corporation of America. (See George, Roscoe H., assignor.)
Radio Corporation of America. (See Goldstine, Hallan E., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Harvey, Robert L., assignor.)
Radio Corporation of America. (See Linsell, Alfred A., assignor.)
Radio Corporation of America. (See Meier, Wilber L., assignor.)
Radio Corporation of America. (See Morton, G. A., and Vance, assignors.)
Radio Corporation of America. (See Rust, Noël M., assignor.)
Raedie, Theodor, New York, N. Y. Pipe joint. 2,180,720; Nov. 21.
Rain Topper Corporation. (See Timmons, George and C. M., assignors.)
Rasmussen, Edward L., near Seattle, Wash. Weeder. 2,180,429; Nov. 21.
Rau, Richard C., Jamaica Plain, Mass. Rotary windshield wiper. 2,181,066; Nov. 21.
Ravolite Rifle Range Company. (See Falkenberg, William P., assignor.)
Redinger, Joseph M., Johnston, R. I. Mounting for a grinding wheel. 2,180,550; Nov. 21.
Reed, Dempson H., Houston, Tex. Inside pipe cutter. 2,180,693; Nov. 21.
Reed, Walter C., North Hollywood, Calif. Vacuum cleaner. 2,180,694; Nov. 21.
Reichert, Conrad, assignor to Petty Laboratories, Inc., San Antonio, Tex. Pumping apparatus. 2,180,366; Nov. 21.
Reigh, Clarence J., Altoona, Pa. Electric revolving signal light for railway switches. 2,181,067; Nov. 21.
Reiser, Ernst, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Self-inductance device. 2,180,850; Nov. 21.
Reitz, August P., Houston, assignor, by mesne assignments, to G. Gillis, Harris County, Tex. Steering mechanism. 2,180,430; Nov. 21.
Reliable Electric Company. (See Cook, John B., assignor.)
Rembert, Ernest W., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Pipe coupling assembly and making the same. 2,180,695; Nov. 21.
Reynolds, Clifford B. (See Benoit, J. E., and Reynolds.)
Reynolds, Walter M., San Antonio, Tex. Cultivator attachment. 2,180,910; Nov. 21.
Richardson, Mary G., Fort Worth, Tex. Anesthetic screen. 2,180,480; Nov. 21.
Riche, Arthur L., assignor to Micro Switch Corporation, Freeport, Ill. Electric snap switch construction. 2,181,068; Nov. 21.
Risser, Arthur L., assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Closure applying machine. 2,180,836; Nov. 21.
Ritz-Woller, Oliver C., Chicago, Ill. Combination truck mirror and clearance lamp device. 2,180,610; Nov. 21.
Robinson, Edwin B. (See Hampton, H. A., Hill, and Robinson.)
Robinson, Francis T., Rockville Centre, assignor to Arkell Safety Bag Company, New York, N. Y. Method of and machine for producing crinkled paper lined bags. 2,180,431; Nov. 21.
Robinson, James D., Memphis, Tenn. Chlorinating water. 2,181,069; Nov. 21.
Roderick, Howard. (See Garrels, J. C., and Roderick.)
Rogers, Burr S., Lindsey, Ohio. Universal lawn mower grinder. 2,180,911; Nov. 21.
Rogers, Harvey R., Springfield, Ill. Vehicle occupant protector. 2,180,912; Nov. 21.
Rogoff, Julian, New York, N. Y., assignor to Burndy Engineering Co. Inc. Connector with reinforcing follower. 2,180,931; Nov. 21.
Rogow, Sydney, Forest Hills, N. Y. Concrete joist form and the like. 2,180,964; Nov. 21.
Roko Corporation. (See Coberly, Clarence J., assignor.)
Rolle, Edward. (See Green, W. A., and Rolle.)

Roon, Leo, South Orange, and A. Minich, East Orange, assignors to Nuodex Products Co., Inc., Elizabeth, N. J. Speeding up the making of pigment pastes. 2,180,721; Nov. 21.
Rosner, Frederick, Brooklyn, N. Y. Driving means for rotary pumps and engines. 2,180,851; Nov. 21.
Rostler, Fritz and V. Mehner, Vienna, Austria, assignors to Naftolen-Gesellschaft zur Verwertung der Rostler-Mehner'schen Verfahren m. b. H., Vienna, Germany. Producing mixtures for use in the manufacturing of rubber goods and in allied branches of industry. 2,180,367; Nov. 21.
Rostron, Joseph A., Cambridge, Mass. Alternating current buzzer. 2,180,881; Nov. 21.
Royal, Joseph N., assignor, by mesne assignments, to F. N. Burt Company, Inc., Buffalo, N. Y. Container. 2,180,882; Nov. 21.
Rnau, Félix F., assignor to Molins Machine Company, Limited, Deptford, London, England. Variable speed gearing. 2,180,481; Nov. 21.
Rubilino, Carmelo, Philadelphia, Pa. Record book. 2,180,997; Nov. 21.
Rudolph, Maurice L., Vineland, N. J. Device for preventing pick-outs. 2,181,070; Nov. 21.
Rudolph, Walter J., assignor, by mesne assignments, to Acme Visible Records, Inc., Chicago, Ill. Strip separating device. 2,180,837; Nov. 21.
Rundell, Rupert E., Rockville Centre, and G. E. Hagquist, Brooklyn, N. Y., assignors to International Cigar Machinery Company. Leaf opener for tobacco stripping and booking machines. 2,180,368; Nov. 21.
Runton, Leslie A., Andover, Mass. Stop motion for winding machines. 2,180,434; Nov. 21.
Rushia, Alec C. (See Bergeron, A. P., Page, and Rushia.)
Russell, Malle L., Philadelphia, Pa. Brooch. 2,181,071; Nov. 21.
Russell, Stanley, Vincennes, Ind. Combined harvester and baler. 2,180,852; Nov. 21.
Rust, Noël M., Chelmsford, England, assignor to Radio Corporation of America. Lead-in arrangement. 2,180,722; Nov. 21.
Rust, William M., Jr. (See Blau, L. W., Mounce, and Rust.)
Sabbah, Camil A., deceased, by W. A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system. 2,180,998; Nov. 21.
Saiberlich, Erwin W., assignor to Fox River Tractor Company, Appleton, Wis. Crop blower. 2,180,838; Nov. 21.
Saks, Ira, Shaker Heights, Ohio. Clutch disk. 2,180,746; Nov. 21.
Salisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Method and apparatus for packaging articles. 2,180,966; Nov. 21.
Salzberg, Harold K., Pittsburgh, Pa., assignor to The Borden Company, New York, N. Y. Soluble dried solids of milk and producing the same. 2,181,003; Nov. 21.
Salzberg, Harold K., Pittsburgh, Pa., assignor to The Borden Company, New York, N. Y. Foundry core binder. 2,181,004; Nov. 21.
Sargent, Sullivan A., Jr., et al., trustees. (See Dahl, Edward T., assignor.)
Sawdon, Victor J., Bronxville, N. Y., and A. E. Brigham, Worcester, Mass. Printed publication. 2,180,551; Nov. 21.
Sayers, Eugene T., Falmouth, Ky. Cable clamp. 2,181,072; Nov. 21.
Scalese, Dominick. (See Brancato, J., and Scalese.)
Scavelli, George, Sr. (See Scavelli, Howard A. and G., Sr.)
Scavelli, Howard A. and G., Sr., Dover, N. J. Sewing machine. 2,180,696; Nov. 21.
Schafer, Fred W., and G. W. Stephens, Denver, Colo. Hydraulic brake system flusher and bleeder. 2,181,073; Nov. 21.
Schaligruber, Frederick, Bogota, Colombia. Cigarette, cigar, and the like. 2,180,370; Nov. 21.
Schauweker, William K., Cleveland, Ohio. Check and check controlled device. 2,180,611; Nov. 21.
Scheppmann, Wilhelm, Berlin-Neutempelhof, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Shaft arrangement. 2,180,853; Nov. 21.
Schier, Louis, Shaker Heights, assignor to The Ticket Issuing Machine Company, Cleveland, Ohio. Ticket issuing mechanism. 2,180,483; Nov. 21.
Scherer, Otto, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Trifluoromethyl benzaldehydes. 2,180,772; Nov. 21.
Schering Corporation. (See Schwenk, E., Whitman, and Fleischer, assignors.)
Schirmer, Frank C., Spokane, Wash. Condensation trap. 2,180,747; Nov. 21.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,180,371; Nov. 21.
Schlenker, Kurt, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Starting device for internal combustion engines. 2,180,612; Nov. 21.

Schlitt, Joseph L., Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separating the constituents of gaseous mixtures. 2,180,435; Nov. 21.

Schmidt, Fritz, Harburg-Wilhelmsburg, Germany. Elastic mounting device. 2,180,613; Nov. 21.

Schoenberger, Otto H. (See Lockwood, G. M., and Schoenberger.)

Schor, Joseph. (See Skoverski, John R., assignor.)

Schorn, Helmut, Dillingen-Saar, and C. V. Daumas, Duesseldorf, Germany, assignors to N. V. "Agratherm", Amsterdam, Netherlands. Process and means for drying starch. 2,180,968; Nov. 21.

Schroeder, Lawrence R., Lakewood, and F. W. Cichoski, assignors to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Concealed combination hinge, opening and closing, and limit stop device for doors. 2,180,552; Nov. 21.

Schuftan, Paul, Hollriegelskreuth, near Munich, and F. Steinbacher, Munich, assignors of one-half to Gesellschaft für Linde's Eismaschinen A.-G., Wiesbaden, and one-half to G. A. Krause, Hollriegelskreuth, near Munich, Germany. Separating a liquid into constituent parts. 2,180,553; Nov. 21.

Schulz, Hermann. (See Frankenburger, W., and Schulz.)

Schumacher, Erwin A. (See Heise, G. W., and Schumacher.)

Schumacher, Erwin A., Lakewood, and G. W. Heise, Rocky River, Ohio, assignors to National Carbon Company. Primary cell. 2,180,839; Nov. 21.

Schur, Milton O., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Manufacture of fabric-reinforced artificial leathers. 2,180,723; Nov. 21.

Schwartz, Nathan, New York, N. Y. Respirator. 2,181,026; Nov. 21.

Schwenk, Erwin, Montclair, N. J., B. Whitman, New York, N. Y., and G. A. Fleischer, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Preparation of epiallo-pregnanol(3)-one(20). 2,180,614; Nov. 21.

Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Fuel pump assembly. 2,180,883; Nov. 21.

Scott, Roy J. (See Sibley, L. T., and Scott.)

Scott, Roy J., Forest Hills, N. Y., assignor to Alfol Insulation Company, Inc. Heat insulating panel. 2,181,074; Nov. 21.

Scott & Williams, Inc. (See Houseman, Harold E., assignor.)

Sedgwick Machine Works, Incorporated. (See Hendricksen, Bjarne, assignor.)

Seederer-Kohibusch, Inc. (See Gattoni, John, assignor.)

Sell, Gilbert E., Cynwyd, assignor to E. J. Lavino and Company, Philadelphia, Pa. Furnace construction. 2,180,969; Nov. 21.

Sellers, Austin C., Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 2,180,999; Nov. 21.

Selvig, John N. (See Bouget, Y. A., and Selvig.)

Selvig, John N., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Handling strands. 2,180,554; Nov. 21.

Serge, Igor B., Grosse Pointe Park, Mich. Speaker. 2,180,615; Nov. 21.

Seversky Aircraft Corporation. (See de Seversky, Alexander P., assignor.)

Shadrick, Richard H. (See McElroy, I. E., and Shadrick.)

Shattuck, S. W., Chemical Company, The. (See Potter, John S., assignor.)

Sheaffer, W. A., Pen Company. (See Stempel, Herman K., assignor.)

Sheldon, Waldo, South Norwalk, Conn. Rotary drilling. 2,180,724; Nov. 21.

Shell Development Company. (See Nederbragt, Gerrit W., assignor.)

Sherman, Alvin G., Detroit, Mich., assignor to Borg-Warner Corporation. Stove. 2,180,645; Nov. 21.

Sherwood, Carroll P., Camden, N. J. Flow meter system. 2,181,075; Nov. 21.

Shields, Robert A. (See Kassler, A., and Shields.)

Shinn, Alice A., and D. A. Ericson, Oklahoma City, Okla. Router machine. 2,181,027; Nov. 21.

Shively, John J., New York, N. Y. Ice chipping device. 2,181,000; Nov. 21.

Shoe Form Co. (See De Witt, William J., assignor.)

Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Making gasoline. 2,180,372; Nov. 21.

Sibley, Leon T., Rutherford, N. J., and R. J. Scott, Forest Hills, Long Island, N. Y., assignors to Alfol Insulation Company, Inc. Heat insulating panel. 2,180,373; Nov. 21.

Sidebotham, Melvin H., West Newton, Mass. Manufacture of locked corner boxes. 2,180,748; Nov. 21.

Siebenmorgen, William, Westfield, N. J., assignor to Speer Carbon Company, St. Marys, Pa. Electrical brush. 2,181,076; Nov. 21.

Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Dietrich, J., and Hagenhaus, assignors.)

Silex Company, The. (See Lucia, Louis V., assignor.)

Silvestri, Carl A., and A. Pacifico, Providence, R. I. Float switch for fuel oil burners. 2,180,884; Nov. 21.

Simmons, R. F., Company. (See Levesque, Arthur H., assignor.)

Simpson, William O., Mexico City, D. F., Mexico. Nut lock. 2,180,773; Nov. 21.

Sims, William O., Niagara Falls, N. Y., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Metal stitching machine. 2,180,484; Nov. 21.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Making vehicle wheel bodies. 2,181,028; Nov. 21.

Sinclair Refining Company. (See Vobach, Arnold C., assignor.)

Sinn, Clarence W. (See Volf, Christian A., assignor.)

Sipe, Harry E., New York, N. Y. Tire slitting machine. 2,180,556; Nov. 21.

Sipe, Harry E., New York, N. Y., assignor of one-fourth to N. L. Foster, Montclair, N. J. Machine and method for rolling rivets. 2,180,555; Nov. 21.

Sirmay, Julius, assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Knitting machine. 2,181,105; Nov. 21.

Sitzler, Richard R., Cumberland, Md., assignor to Celanese Corporation of America. Textile materials. 2,180,436; Nov. 21.

Skoverski, John R., Oakland, assignor to J. Schor, San Francisco, Calif. Fishhook. 2,180,557; Nov. 21.

Slagh, Harold R. (See Alquist, F. N., and Slagh.)

Slagh, Harold R., and F. N. Alquist, assignors to The Dow Chemical Company, Midland, Mich. Ethers of hydrogenated phenols. 2,181,100; Nov. 21.

Smith, Clifford F., Sioux Falls, S. Dak., assignor to Wolverine Brass Works, Grand Rapids, Mich. Pipe cleaner. 2,180,437; Nov. 21.

Smith, Donald L., Dunellen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Cutting machine. 2,180,646; Nov. 21.

Smith, Drum and Company. (See Drum, H. S., Dodson, and Jaxheimer, assignors.)

Smith, Elmer H., assignor, by mesne assignments, to Smith Welding Equipment Corporation, Minneapolis, Minn. Gas lighter. 2,180,616; Nov. 21.

Smith, James Y. (See De Fraine, J. L., and Smith.)

Smith, John W., Lakewood, Ohio. Power-transmitting belt. 2,181,001; Nov. 21.

Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)

Smithe, F. L., Machine Co. (See Novick, Daniel, assignor.)

Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Handlebar structure. 2,180,617; Nov. 21.

Snow, Barton S., Wheaton, assignor to T. W. Snow Construction Company, Chicago, Ill. Coaling station. 2,180,913; Nov. 21.

Snow, T. W., Construction Company. (See Snow, Barton S., assignor.)

Society of Chemical Industry in Basle. (See Felix, F., Grossmann, and Bommer, assignors.)

Society of Chemical Industry in Basle. (See Miescher, K., Kaegi, and Plattner, assignors.)

Society of Chemical Industry in Basle. (See Straub, F., and Hanhart, assignors.)

Socony-Vacuum Oil Company. (See Milton, Peter, assignor.)

Soldinger, Harry, Edgemere, N. Y. Combination garment. 2,180,970; Nov. 21.

Solomon, Linton M., Macon, Ga. Apparatus for making measurements and graphs of successive tree ring widths. 2,180,485; Nov. 21.

Soule, Lawrence C., Essex Fells, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Heater apparatus. 2,180,854; Nov. 21.

Soule, Leslie, et al., trustees. (See Dahl, Edward T., assignor.)

Southwick, Charles R. (See Page, J., and Southwick.)

Speer Carbon Company. (See Siebenmorgen, William, assignor.)

Speh, Hazel C., executrix. (See Speh, Herman A.)

Speh, Herman A., deceased; H. C. Speh, executrix, assignor to The Drybak Corporation, Binghamton, N. Y. Pocket construction. 2,180,914; Nov. 21.

Spenard, Elmer H., assignor to Crest Specialty Company, Chicago, Ill. Venetian blind attachment. 2,181,101; Nov. 21.

Spengler, Otto. (See Knoll, M., Bartels, and Spengler.)

Sperry Gyroscope Company. (See Zand, Stephen J., assignor.)

Sprague Specialties Company. (See Collins, Joseph L., assignor.)

Stahly, Eldon E., and E. M. Hattox, Baton Rouge, La., assignors to Standard Oil Development Company. Production of liquid saturated hydrocarbons. 2,180,374; Nov. 21.

Standard Oil Company. (See Shoemaker, Bernard H., assignor.)

Standard Oil Company of California. (See Green, W. A., and Rolle, assignors.)

Standard Oil Development Company. (See Blau, L. W., Mounce, and Rust, assignors.)

Standard Oil Development Company. (See Gleason, Anthony H., assignor.)

Standard Oil Development Company. (See Stahly, E. E., and Hattox, assignors.)

Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)

Standard Railway Equipment Manufacturing Company. (See Zeidler, Kurt E., assignor.)

Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heel-pressure mechanism. 2,180,438; Nov. 21.

Stanworth, James. (See Stanworth, Stephen and J.)

Stanworth, Stephen, and J., Burnley, England. Gas fired furnace. 2,180,774; Nov. 21.

Stastny, John, Rogers, Tex. Coupling pin. 2,180,558; Nov. 21.

Stationers Loose Leaf Company. (See Lotter, Adolph G., assignor.)

Stator Corporation. (See Tibbetts, Raymond W., assignor.)

Stator Corporation. (See Whitney, Lyman F., assignor.)

Stäubli, Gebr. & Co. (See Stäubli, Hugo, assignor.)

Stäubli, Hugo, assignor to Gebr. Stäubli & Co., Horgen, Canton of Zurich, Switzerland. Dobby with more than one pattern-card cylinder. 2,180,777; Nov. 21.

Stearns, Freeman R., assignor to The Carron Company, Ludington, Mich. Game board and apparatus for use therewith. 2,180,439; Nov. 21.

Stebbins, Harry Y., Los Angeles, Calif., assignor to General American Precooling Corporation, Chicago, Ill. Refrigerating unit. 2,180,915; Nov. 21.

Stebbins, Herbert A., et al., trustees. (See Dahl, Edward T., assignor.)

Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Fruit sizer. 2,180,559; Nov. 21.

Steinbacher, Friedrich, et al. (See Schuftan, P., and Steinbacher, assignors.)

Steinbiss, Carl H., assignor to Lyons-Magnus, Incorporated, San Francisco, Calif. Fruit pitting machine. 2,180,647; Nov. 21.

Stempel, Herman K., assignor to W. A. Sheaffer Pen Company, Fort Madison, Wis. Writing instrument. 2,180,560; Nov. 21.

Stephens, George W. (See Schafer, F. W., and Stephens.)

Steuernagel, George H., II. W. Gauch, and R. R. Gauch, Belleville, Ill. Dispensing carton. 2,180,916; Nov. 21.

Stevens, Evan W., Roscoe, Mo. Spinal adjuster. 2,180,775; Nov. 21.

Stevens, Robert C. (See Laube, G., Stevens, and Miller.)

Stevens, William H. N., Columbus, Ohio. Combined canteen, cooking, and mess kit. 2,180,561; Nov. 21.

Stockelbach, Frits E., Verona, N. J. Flavoring solution. 2,180,932; Nov. 21.

Stoesser, Sylvia M. and W. C., assignors to The Dow Chemical Company, Midland, Mich. Stabilization of polymerizable vinyl compounds. 2,181,102; Nov. 21.

Stoesser, Wesley C. (See Stoesser, Sylvia M. and W. C.)

Stone, Leslie N., Greenford, England, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 2,180,440; Nov. 21.

Stone Paper Tube Company. (See White, Clayton E., assignor.)

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,180,618; Nov. 21.

Straub, Fritz, Basel, and W. Hanhart, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of complex metal compounds of polyazo dyestuffs. 2,180,776; Nov. 21.

Street, Chauncey C., Providence, R. I., assignor to Federal Products Corporation. Shock-absorbing dial indicator. 2,181,077; Nov. 21.

Streitwolf, Frieda, administratrix. (See Streitwolf, K., Fehrle, and Herrmann.)

Streitwolf, Karl, deceased, by F. Streitwolf, administratrix, Frankfort-on-the-Main, A. Fehrle, Bad Soden, Taunus, and W. Herrmann, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Asymmetric arseno compounds. 2,180,778; Nov. 21.

Stribeck, Richard, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Etched sparking plug. 2,180,779; Nov. 21.

Strobel, Margot, New York, N. Y. Automatic disinfecting device. 2,180,967; Nov. 21.

Strobino, Louis J., Bethel, Conn. Apparatus and method for treating animal skins. 2,180,562; Nov. 21.

Studebaker Corporation, The. (See Butzbach, Orville K., assignor.)

Sturm, Frederick W., assignor to The Wayne Pump Company, Fort Wayne, Ind. Liquid dispensing apparatus. 2,180,619; Nov. 21.

Suchanek, Frank J. (See Horansky C., and Suchanek.)

Sullivan Machinery Company. (See Joy, Joseph F., assignor.)

Summers, Austin P., assignor of one-half to C. G. Ekholm, Spokane, Wash. Window screen. 2,180,780; Nov. 21.

Sun Tube Corporation, The. (See Fridén, John H., assignor.)

Sundee, John R., assignor to Buffalo Jewelry Case Co., Inc., Buffalo, N. Y. Jewelry box. 2,180,885; Nov. 21.

Super Diesel Tractor Corporation. (See Scott, Philip L., assignor.)

Swan, Carl W. (See Krum, H. L., and Swan.)

Swazy, Earl F. (See Hensel, F. R., and Swazy.)

Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)

Taggart, Arthur F., Scarsdale, and W. L. Parrott, New York, N. Y. Waterproofing composition. 2,180,971; Nov. 21.

Tatum, John J., Baltimore, Md. Center sills construction for freight cars. 2,180,450; Nov. 21.

Taylor, Thomas E., assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Oven for domestic ranges. 2,180,563; Nov. 21.

Taylor, William L., Roanoke, Va. Fishing tackle. 2,180,781; Nov. 21.

Tefi-Apparatebau Dr. Daniel K.-G. (See Fries, Gustav, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knoll, M., Bartels, and Spengler, assignors.)

Teletype Corporation. (See Krum, H. L., and Swan, assignors.)

Tench, Frederick, White Plains, N. Y., assignor to L. T. Corporation, Exchange Place, Hudson County, N. J. Welded skeleton joist or truss. 2,180,486; Nov. 21.

Terrell, Orey C., Attica, Kans. Running gear for motor vehicles. 2,180,917; Nov. 21.

Terry, Edward F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 2,180,564; Nov. 21.

Thayer, Paul W., Minneapolis, Minn. Closure structure with spraying device. 2,180,565; Nov. 21.

Thomas, Charles C., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Cabinet and making and assembling the same. 2,180,886; Nov. 21.

Thomas, Edward B. (See Moncrieff, R. W., and Thomas.)

Thomas, George J., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake construction. 2,181,029; Nov. 21.

Thomas, John H., Newark, Ohio, assignor to Owens-Illinois Glass Company. Electric glass furnace. 2,181,030; Nov. 21.

Thomason, Jake, and R. Arnett, Litchfield, Nebr. Trailer crane. 2,180,621; Nov. 21.

Thompson, James C., Wytheville, Va. Artificial leg. 2,181,031; Nov. 21.

Thompson, John B. D. (See Christiansen, J., and Thompson.)

Thompson Reel Co. (See Thompson, Richard B., assignor.)

Thompson, Richard B., assignor to Thompson Reel Co., San Francisco, Calif. Fishing reel. 2,180,566; Nov. 21.

Thompson, William E., Winnipeg, Manitoba, Canada. Kitchen utensil. 2,180,648; Nov. 21.

Thrush, H. A., & Co. (See Thrush, Homer A., assignor.)

Thrush, Homer A., assignor to H. A. Thrush & Co., Peru, Ind. Water heater and making same. 2,180,620; Nov. 21.

Tibbetts, Raymond W., Camden, Maine, assignor, by mesne assignments, to Stator Corporation. Fluid pumping arrangement. 2,180,441; Nov. 21.

Ticket Issuing Machine Company, The. (See Scher, Louis, assignor.)

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lenses, series of said lenses, and making the same. 2,180,887; Nov. 21.

Timken Roller Bearing Company, The. (See Horger, Oscar J., assignor.)

Timmons, Clara M. (See Timmons, George and C. M.)

Timmons, George and C. M., assignors to Rain Topper Corporation, Memphis, Tenn. Covering for a hat. 2,181,106; Nov. 21.

Tisza, Ernest E., Englewood, and J. Tyrner, Elizabeth, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Direct-current arc-welding generator. 2,180,700; Nov. 21.

Tondeur, Rene, London, England. Mechanism generally known as Bowden mechanism. 2,180,442; Nov. 21.

Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Rotary printing press. 2,180,782; Nov. 21.

Trabon Engineering Corporation. (See Hillis, David R., assignor.)

Triplett, Ray L., Bluffton, Ohio. Detachable rectifier plug. 2,180,487; Nov. 21.

Triumph Explosives, Inc. (See Decker, Josef B., assignor.)

Troche, Herman J. (See Larsen, N. P., and Troche.)

Trubshaw, Herbert R., Spokane, Wash. Semaphore signal. 2,180,749; Nov. 21.

Trusler, Frank S., Vernon, Tex. Clamp for dental flasks. 2,180,375; Nov. 21.

Tuley, Charles B., Glenolden, and D. W. R. Morgan, Swarthmore, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser apparatus. 2,180,840; Nov. 21.

Twentieth Century-Fox Film Corporation. (See Laube, G., Stevens, and Miller, assignors.)

Twin Disc Clutch Company. (See Dunkelow, Henry J., assignor.)

Tyrner, Joseph. (See Tisza, E. E., and Tyrner.)

Underwood, Arthur J. V., London, England. Gas and liquid contact apparatus. 2,180,888; Nov. 21.

Union Carbide and Carbon Corporation. (See Cox, Henry L., assignor.)

Union Carbide and Carbon Corporation. (See Heise, G. W., and Schumacher, assignors.)

Union Oil Company of California. (See Pyle, Howard C., assignor.)

United Autographic Register Co. (See Jensen, Louis, assignor.)
United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)
United-Carr Fastener Corporation. (See Dyresen, Didrick, assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Electric Railways Company. (See Follett, Benjamin B., assignor.)
United Shoe Machinery Corporation. (See Baker, Corwin W., assignor.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United Shoe Machinery Corporation. (See Lineham, R. A., and Barton, assignors.)
United Shoe Machinery Corporation. (See Standish, John F., assignor.)
United Shoe Machinery Corporation. (See Willmott, Herbert J., assignor.)
U. S. Bottlers Machinery Company. (See Risser, Arthur I., assignor.)
U. S. Electrical Motors, Inc. (See Heyer, Don, assignor.)
U. S. Electrical Motors, Inc. (See McElroy, I. E., and Shadrick, assignors.)
United States Gypsum Company. (See Page, J., and Southwick, assignors.)
United States Gypsum Company. (See Pooler, Cecil B., assignor.)
United States Rubber Company. (See Foster, Boutwell H., assignor.)
Universal Oil Products Company. (See Mattox, W. J., and Grosse, assignors.)
Upton, Clarence G. (See Barnett, P. B., and Upton.)
Urbain, Walter M., assignor to Industrial Patents Corporation, Chicago, Ill. Meat curing. 2,180,750; Nov. 21.
Urschel, William E., Valparaiso, Ind. Fruit stemmer. 2,180,567; Nov. 21.
Urschel, William E., Valparaiso, Ind. Machine for picking cotton. 2,180,568; Nov. 21.
Valjean, Ben, East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Combustion apparatus. 2,180,443; Nov. 21.
Valjean, Ben, East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Combustion apparatus. 2,180,444; Nov. 21.
Vanadium-Alloys Steel Company. (See Moore, John B., assignor.)
Vance, Arthur W. (See Morton, G. A., and Vance.)
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Chuck closing and opening mechanism 2,180,488; Nov. 21.
Vaughan, Arthur H., assignor to The Electric Furnace Company, Salem, Ohio. Controlled atmosphere heat treatment. 2,180,376; Nov. 21.
Vega Airplane Company. (See Menasco, Albert S., assignor.)
Verzi, Linus A., Arlington, assignor of one-half to E. N. Hosmer, Arlington County, Va. Fish lure. 2,180,918; Nov. 21.
Vickers Incorporated. (See Nye, Hugh C., assignor.)
Vickery, Ralph W. E., Brockton, Mass. Electric steam generator. 2,180,445; Nov. 21.
Viglione, Enrique A. (See Alvarez, N. M. A. A. A., and Viglione.)
Vincent, Cuthbert, Omaha, Nebr. Air draft control appliance. 2,180,622; Nov. 21.
Virginia Smelting Company. (See Binns, Frederick W., assignor.)
Vobach, Arnold C., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,180,697. Nov. 21.
Vobach, Arnold C., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,180,698; Nov. 21.
Vobach, Arnold C., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,180,699; Nov. 21.
Vogel, Max, Frankfort-on-the-Main, Germany. Card index device. 2,180,490; Nov. 21.
Vogt, Clarence W., Norwalk, Conn., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Collapsible container. 2,180,841; Nov. 21.
Volf, Christian A., assignor to C. W. Sinn, New York, N. Y. Acoustic assembly for the hard of hearing. 2,180,889; Nov. 21.
Vredenburg, Edric, Jr., London, England. Racket press. 2,180,783; Nov. 21.
Wagner, Paul G., Los Angeles, Calif. Machine gun starter and recharger. 2,180,751; Nov. 21.
Walls, Walter H., Darwin, Minn. Electrical connector. 2,180,569; Nov. 21.
Walper, Curry O., Hamilton, Ontario, Canada. Apparatus for finishing the edges of wallboard. 2,180,570; Nov. 21.
Ward, Albert N., Bordesley Green, Birmingham, and F. T. Purkis, Moseley, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Making goods of cellular rubber. 2,180,725; Nov. 21.
Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Elastic fluid turbine plant. 2,181,002; Nov. 21.
Warner & Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
Waters, Samuel S., Washington, D. C. Adjustable combination action for pipe organs. 2,180,784; Nov. 21.
Watkins, Edmund W., Palatka, Fla. Permanent land marker. 2,181,032; Nov. 21.
Watkins, Edmund W., Palatka, Fla. Lettering and marking guide. 2,181,033; Nov. 21.
Wayne Pump Company, The. (See Sturm, Frederick W., assignor.)
Weatherly, William J., Tampa, Fla. Locking device for loose leaf binders and the like. 2,180,973; Nov. 21.
Weatherwax, Leon J., assignor of one-half to R. B. Menefee, Toledo, Wash. Fishtail propeller. 2,180,890; Nov. 21.
Weber, Erich. (See Horn, Josef, assignor.)
Welsbecker, Frank G., Glenside, assignor to Arcadia Hosiery Co., Lansdale, Pa. Knitting machine. 2,180,571; Nov. 21.
Weisenburg, Andrew, assignor to Crown Can Company, Philadelphia, Pa. Container. 2,180,891; Nov. 21.
Weiss, Harold T., Los Angeles, Calif. Dispenser for vaporizable material. 2,180,752; Nov. 21.
Welter, Herman C., Rochester, N. Y., assignor to Hall-Welter Co., Incorporated. Check writing machine. 2,180,446; Nov. 21.
Westcott, Clifford H., Oak Park, Ill., assignor, by mesne assignments, to C. C. Chambers and R. S. Bradshaw, Jr., as joint tenants, St. Louis, Mo. Dowel bar structure. 2,181,005; Nov. 21.
Western Electric Company. (See Bouget, Y. A., and Selvig, assignors.)
Western Electric Company. (See Hatton, W., Haigh, and Kozma, assignors.)
Western Electric Company. (See Larsen, Leonard O., assignor.)
Western Electric Company. (See Montel, A., and Rabine, assignors.)
Western Electric Company. (See Selvig, John N., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Leonard, Merrill G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mill, Gjon, assignor.)
Westinghouse Electric & Manufacturing Company. (See Tuley, C. B., and Morgan, assignors.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Whelen, Myron S., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 1-amino-6-chloroanthraquinone. 2,181,034; Nov. 21.
White, Clayton E., Cleveland, Ohio, assignor to Stone Paper Tube Company, Washington, D. C. Tubing and making the same. 2,181,035; Nov. 21.
White, David E., Silver Spring, Md. Nonskid tire. 2,180,649; Nov. 21.
White, David E., Silver Spring, Md. Making a nonskid tire. 2,180,650; Nov. 21.
White, Frank E., Lynn, Mass., assignor of one-half to North American Holding Corporation, and one-half to Parshad Holding Corporation, Syracuse, N. Y. Tool kit. 2,180,572; Nov. 21.
Whitfield, Joseph E., Grove City, Pa. Blower. 2,180,377; Nov. 21.
Whitfield, Joseph E., Grove City, Pa. Pump. 2,180,378; Nov. 21.
Whitfield, Joseph E., Grove City, Pa. Material moving apparatus. 2,180,379; Nov. 21.
Whitman, Bradley. (See Schwenk, E., Whitman, and Fleischer.)
Whitney, Lyman F., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Refrigerating system. 2,180,447; Nov. 21.
Wickwire, Arthur M., Jr., Mountain Lakes, assignor to Chambon Corporation, Garfield, N. J. Wiping mechanism for intaglio printing presses. 2,180,785; Nov. 21.
Wiley, Clarence F., Norton, assignor to Glenwood Range Company, Taunton, Mass. Stove door assembly. 2,180,573; Nov. 21.
Willard Storage Battery Company. (See Dunzweiler, Carl J., assignor.)
Willat, Arnold F., San Rafael, Calif. Permanent waving of hair. 2,180,380; Nov. 21.
Williams, Frederick W., Headingly, Manitoba, Canada. Amusement device. 2,180,448; Nov. 21.
Williams, Frederick W., Honolulu, Hawaii. Fastening device. 2,180,651; Nov. 21.
Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe machine. 2,180,381; Nov. 21.
Willoughby, Victor. (See Bradfield, G. K., Clarke, and Willoughby.)
Wilson, Herbert O., Livingston, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electric switch. 2,180,701; Nov. 21.
Wilson, John H., Wichita Falls, Tex. Adjusting device for endless chains. 2,180,449; Nov. 21.
Wilson, Thomas J., Pittsburgh, Pa., assignor to Hydraulic Equalizer Company. Cable equalizer. 2,180,491; Nov. 21.

Wilson, Virden W., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Treating hydrocarbon distillates. 2,181,036; Nov. 21.
Wilson, Virden W., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Sweetening hydrocarbon distillates. 2,181,037; Nov. 21.
Wilson, Walter R., Douglas, Ga. Eye testing instrument. 2,180,652; Nov. 21.
Wilson, William J., and E. F. Dohe, Omaha, Nebr. Air cushion rail truck. 2,180,492; Nov. 21.
Wimberger, Leopold, assignor to L. Wimberger Kommanditgesellschaft & Co., Patent-Verwertungsgesellschaft, Vienna, Austria. Dry-shaving device. 2,181,038; Nov. 21.
Wimberger, L., Kommanditgesellschaft & Co., Patent-Verwertungsgesellschaft. (See Wimberger, Leopold, assignor.)
Wincharger Corporation. (See Prince, John, assignor.)
Winding, Walter G., Milwaukee, Wis. Form for concrete curb and gutter work. 2,180,842; Nov. 21.
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Winter, Ernst, Cologne-Braunsfeld, and H. Polack, assignors to Aktiengesellschaft für Stickstoffdünger, Knapsack, near Cologne-on-the-Rhine, Germany. Preparing calcium cyanamide. 2,180,382; Nov. 21.
Winthrop Chemical Company. (See Streitwolf, K., Fehrle, and Herrmann, assignors.)
Woglom, Albert G., Melrose Highlands, Mass. Cigarette package. 2,180,753; Nov. 21.
Wohlrab, Hans C., Berlin-Wilmersdorf, assignor to Klangfilm Gesellschaft mit beschrankter Haftung, Berlin, Germany. Measuring the quality of an optical slit. 2,180,972; Nov. 21.
Wolfert, Edward R., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus and method. 2,180,493; Nov. 21.
Wolverine Brass Works. (See Smith, Clifford F., assignor.)
Wood, Charles E., Baxter Springs, Kans. Concentrating apparatus. 2,180,574; Nov. 21.
Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)
Wright, R. G., & Company. (See Petersen, Thorvald, assignor.)
Wundt, Rolf M., Eberswalde, and O. Cordsmeier, Berlin-Charlottenburg, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Antenna system. 2,180,855; Nov. 21.
Wurlitzer, Rudolph, Company, The. (See Lindeberg, Carl, assignor.)
Yancey, William O., and I. L. Erlach, San Francisco, Calif. Container. 2,180,653; Nov. 21.
Zand, Stephen J., Forest Hills, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Noise reducing means for cabin aircraft. 2,180,843; Nov. 21.
Zeidler, Kurt E., Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car. 2,180,654; Nov. 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air, Apparatus for cleaning. T. W. Hallerberg. Re. 21,272; Nov. 21.
Cutter and trimmer, Electric. J. A. Orr. Re. 21,274; Nov. 21.
Dust collector unit, Banker. R. Ruemelin. Re. 21,277; Nov. 21.
Gun, Blast. C. B. Pletcher. Re. 21,275; Nov. 21.
Heat exchange device. H. Feldmeier. Re. 21,270; Nov. 21.
Knit articles and products thereof, Coating. L. G. Copeman. Re. 21,269; Nov. 21.
Pad for permanent hair waving, Chemical heating. F. L. Reynolds. Re. 21,276; Nov. 21.
Paper, Photographic backing. E. L. Baxter. Re. 21,268; Nov. 21.
Support and shirt retainer, Trouser. W. F. Gustlin. Re. 21,271; Nov. 21.
Transmission. R. Lapsley. Re. 21,273; Nov. 21.
Wall structure, Building. L. E. Willson. Re. 21,278; Nov. 21.

LIST OF PLANT INVENTIONS

Tree, Orange. J. A. Workman. 347; Nov. 21.

LIST OF DESIGN INVENTIONS

Air conditioning control. C. B. Stevens. 117,679; Nov. 21.
Air diffuser, Aspirating. G. C. Lewis. 117,694; Nov. 21.
Airplane. J. S. McDonnell, Jr. 117,695; Nov. 21.
Aquarium and radio cabinet, Combined. O. Zenzen. 117,704; Nov. 21.
Ashtray. E. B. Herman. 117,716; Nov. 21.
Baseboard cap strip or similar article. W. L. Bonnell. 117,684; Nov. 21.
Bath, Water. A. I. Newman. 117,720; Nov. 21.
Bottle. F. Breen. 117,708; Nov. 21.
Bottle, Beverage. P. E. Rising. 117,723; Nov. 21.
Bottle or similar article, Perfume. L. Lelong. 117,718; Nov. 21.
Box, Bait. R. A. Gogarn. 117,666; Nov. 21.
Box, Battery. O. O. Rieser. 117,698; Nov. 21.
Box, Display. N. J. Baumer. 117,682; Nov. 21.
Box, Storage battery. O. O. Rieser. 117,722; Nov. 21.
Bracelet chain. J. Sand. 117,700; Nov. 21.
Bracelet link. J. Sand. 117,701; Nov. 21.
Building. O. Horne. 117,691; Nov. 21.
Building front. W. March. 117,753; Nov. 21.
Burner, Oil. G. I. Carter. 117,725; Nov. 21.
Cabinet, Evaporative cooler. W. E. Brown. 117,688; Nov. 21.
Cabinet, Radio. W. P. Gray. 117,690; Nov. 21.
Calendar and scratch pad holder, Combined. J. H. Horsley. 117,667; Nov. 21.
Camera. H. T. Schiff. 117,677; Nov. 21.
Can puncher and stopper, Combination. W. H. Casebeer. 117,768; Nov. 21.
Cap, Container. A. H. Jung. 117,717; Nov. 21.
Carpet or similar article. G. W. Uihlein. 117,737–8; Nov. 21.
Carton, Display. T. R. Campbell. 117,709; Nov. 21.
Case, Compact. C. Amick. 117,706; Nov. 21.
Case, Display. J. Guttman. 117,713–14; Nov. 21.
Case or similar article, Vanity. R. T. Galge. 117,748; Nov. 21.
Case, Storage battery. O. O. Rieser. 117,699; Nov. 21.
Casing, Liquid dispensing. S. H. Elliott. 117,664; Nov. 21.
Clasp. J. B. Freysinger. 117,747; Nov. 21.
Clasp, Blanket. E. B. Jorgensen. 117,670; Nov. 21.
Cleaner, Suction. E. F. Martinet. 117,775; Nov. 21.
Closure, Slide fastener. R. Kay. 117,671; Nov. 21.
Coat. B. Chalk. 117,710; Nov. 21.
Dish or article of similar nature, Glass relish. D. Deskey. 117,740; Nov. 21.
Display plate for automobiles. J. C. Bradley. 117,687; Nov. 21.
Doll. E. A. Huestis. 117,668; Nov. 21.
Douche-bench. T. Oliver. 117,735; Nov. 21.
Dress. P. Fracchia. 117,741–5; Nov. 21.
Dress. P. Fracchia. 117,771; Nov. 21.
Dress. N. Kaback. 117,751; Nov. 21.
Dress. M. M. Levine. 117,773–4; Nov. 21.
Dress. S. Rosen. 117,758–9; Nov. 21.
Dress ensemble. R. Feintuck. 117,729; Nov. 21.
Dress or similar article. J. L. Honig. 117,750; Nov. 21.
Fabric or similar article, Woven textile. B. Gordon. 117,749; Nov. 21.
Fabric, Textile. M. Mey. 117,754; Nov. 21.
Fabric, Textile. A. Proteau. 117,736; Nov. 21.
Fabric, Textile. S. M. Schwartz. 117,760; Nov. 21.
Faucet and soap holder, Combined. C. B. Mortimer. 117,697; Nov. 21.
Fender. E. W. Baxter. 117,707; Nov. 21.
Frame for chairs, tables, or the like, End. C. E. West. 117,739; Nov. 21.
Glove and handbag, Combination. M. Dunton. 117,770; Nov. 21.
Goggle. J. Brunetti. 117,767; Nov. 21.
Grater, Food. J. A. Murdock. 117,755; Nov. 21.
Grill and pan, Combined broiler. S. H. Hobson. 117,732; Nov. 21.
Grill, Broiler. S. H. Hobson. 117,733; Nov. 21.
Handkerchief. G. M. Logan, Jr. 117,753; Nov. 21.
Handkerchief. M. J. Rosen. 117,757; Nov. 21.
Handkerchief. M. J. Rosen. 117,776; Nov. 21.
Handle, Lawn mower. M. H. Kluter. 117,693; Nov. 21.
Hanger, Pendant. E. C. Lewis. 117,674; Nov. 21.
Hat. M. Solash. 117,761; Nov. 21.
Hearse body. E. L. Schofield. 117,702; Nov. 21.
Holder, Collar. F. A. Bullock. 117,661; Nov. 21.
Holder for pictures or the like, Illuminable. T. A. Stiffel. 117,680; Nov. 21.
Hood for milk bottles and the like, Protective. D. Ray. 117,721; Nov. 21.
Impeller. A. J. McDonald. 117,719; Nov. 21.
Jar and cap cover therefor or similar article, Combined double ended. A. Abrams. 117,705; Nov. 21.
Lace, Shoe. C. S. Winchester. 117,765; Nov. 21.
Lamp, Adjustable. M. E. Kraft. 117,672; Nov. 21.
Lamp and ash receiver, Combination. E. Steeb and A. T. Wallace. 117,678; Nov. 21.
Lamp, Automotive signal. B. R. Jackson. 117,669; Nov. 21.
Magnifying device. C. H. Kibbe. 117,772; Nov. 21.
Marker, Highway. F. T. Ranney. 117,675; Nov. 21.
Mixer, Electric food. H. M. A. Strauss. 117,763; Nov. 21.
Motor and power unit for electric food devices, Combined electric. H. M. A. Strauss. 117,764; Nov. 21.
Nosing strip or similar article. W. L. Bonnell. 117,685–6; Nov. 21.
Numeral for birthday cake, Age indicating. F. Fuller. 117,730; Nov. 21.
Nutcracker or the like. J. Decsman. 117,726; Nov. 21.
Pad, Appointment. D. M. Wright. 117,681; Nov. 21.
Pan, Broiler. S. H. Hobson. 117,734; Nov. 21.
Pin, Novelty. A. Frankenthaler. 117,689; Nov. 21.
Pipe. H. Hacker. 117,715; Nov. 21.
Plate or the like. L. Guild. 117,712; Nov. 21.
Rack, Display. E. H. Erickson. 117,728; Nov. 21.
Rod, Curtain. S. Lester. 117,673; Nov. 21.
Scarf, Veil. J. Steinberg. 117,724; Nov. 21.
Sewing machines, Belt guard for. M. Ingwer. 117,692; Nov. 21.
Sign, Advertising. J. G. Berens. 117,683; Nov. 21.
Sign and display device, Combined. L. W. Diamond. 117,662; Nov. 21.
Slipper. H. B. Evans. 117,665; Nov. 21.
Spectacle frame. C. O. Cozzens. 117,769; Nov. 21.

Spectacles, Pair of. W. R. Uhlemann. 117,766; Nov. 21.
Stand for motor driven food appliances or similar articles, Supporting. H. M. A. Strauss. 117,762; Nov. 21.
Still, Water. A. I. Newman. 117,756; Nov. 21.
Stove. C. Ehret. 117,727; Nov. 21.
Strip, Continuous outlet. W. H. Frank. 117,746; Nov. 21.
Suit, Lady's. L. W. Goodkind. 117,731; Nov. 21.
Sweeper shell, Carpet. I. Richardson. 117,676; Nov. 21.
Tire. J. E. Allen. 117,660; Nov. 21.
Tray or the like. L. Guild. 117,711; Nov. 21.
Umbrella. E. J. Doty. 117,663; Nov. 21.
Urn, Coffee. J. N. Shaw. 117,703; Nov. 21.
Vehicle body, Motor. B. J. Matteson, Jr. 117,696; Nov. 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF NOVEMBER, 1939

NOTE.- Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accordions, Double bass shift for. C. Lindeberg. 2,180,684; Nov. 21.
Acetylene from gaseous mixtures, Separation of. F. R. Balcar. 2,180,386; Nov. 21.
Acid, Manufacture of sulphuric. B. M. Carter. 2,180,727; Nov. 21.
Acids product and manufacture, Amino. K. S. Kemmerer. 2,180,636–7; Nov. 21.
Acoustic assembly for the hard of hearing. C. A. Volf. 2,180,889; Nov. 21.
Adjustable wrench. A. R. Bunting. 2,181,012; Nov. 21.
Adjusting device for endless chains. J. H. Wilson. 2,180,449; Nov. 21.
Adsorber apparatus. L. A. Logan. 2,180,712; Nov. 21.
Advertising device. H. J. Moorhouse. 2,181,104; Nov. 21.
Aerial. H. J. Chapman. 2,180,398; Nov. 21.
Air cleaner. E. W. Graham. 2,180,411; Nov. 21.
Air conditioning. W. S. H. Hamilton. 2,181,053; Nov 21.
Air conditioning system. H. W. Heisterkamp. 2,180,467; Nov. 21.
Air conditioning system. E. F. Hubacker. 2,180,634; Nov. 21.
Air conditioning system. L. A. Philipp. 2,180,479; Nov. 21.
Air conditioning system for automobiles. R. F. Peo. 2,180,943; Nov. 21.
Air draft control appliance. C. Vincent. 2,180,622; Nov. 21.
Air heating system. L. Lee. 2,180,532; Nov. 21.
Aircraft structure. A. P. de Seversky. 2,180,462; Nov. 21.
Albuminous substances, Hardening. J. Brunken. 2,180,335; Nov. 21.
Alkyl 12-ketostearate. H. L. Cox. 2,180,730; Nov. 21.
α-Amino-anthraquinones and making same. F. Felix, P. Grossmann, and M. Bommer. 2,180,805; Nov. 21.
Amusement apparatus. J. H. McMahon and A. W. Miller. 2,180,638–9; Nov. 21.
Amusement device. F. W. Williams. 2,180,448; Nov. 21.
Anesthetic screen. M. G. Richardson. 2,180,480; Nov. 21.
Antenna system. R. M. Wundt and O. Cordsmeier. 2,180,855; Nov. 21.
Anthracene, Manufacture of. W. J. Mattox and A. V. Grosse. 2,180,814; Nov. 21.
Anthraquinonoyl-amino anthraquinones. J. Deinet. 2,181,048; Nov. 21.
Antioxidant. A. M. Clifford. 2,180,666; Nov. 21.
Apparatus for controlling pressure fluid. J. Briscoe. 2,180,395; Nov. 21.
Apparatus for finishing the edges of wallboard. C. O. Walper. 2,180,570; Nov. 21.
Apparatus for maintaining constant hydrostatic pressure upon a liquid. C. M. and R. T. Fields. 2,180,818; Nov. 21.
Apparatus for making measurements and graphs of successive tree ring widths. L. M. Solomon. 2,180,485; Nov. 21.
Apparatus for pressing tubular garment elements. J. H. Leef. 2,180,940; Nov. 21.
Apparatus for sharpening knife edges. J. Gattoni. 2,180,952; Nov. 21.
Apparatus for tapping sheet metal. J. H. Parsons and R. M. Powell. 2,180,545; Nov. 21.
Apparatus for testing axles and the like. O. J. Horger. 2,180,363; Nov. 21.
Apparatus for the manufacture of artificial filaments. L. S. Fryer. 2,181,052; Nov. 21.
Applicator. E. J. Leffler. 2,180,533; Nov. 21.
Arseno compounds, Asymmetric. K. Streitwolf, A. Fehrle, and W. Herrmann. 2,180,778; Nov. 21.
Article of linen or garment. R. Hönigsberg and O. Ebner. 2,180,758; Nov. 21.
Articles, Method and apparatus for packaging. L. L. Salfisberg. 2,180,966; Nov. 21.
Articulator. M. Galetti. 2,180,673; Nov. 21.
Attachment for line casting machines. L. C. Geissel. 2,180,410; Nov. 21.
Attachment for paint cans or the like. L. Eisenberg. 2,180,581; Nov. 21.
Attachment for power razors, Hair retaining. R. T. and H. V. Hogg. 2,180,738; Nov. 21.
Awning for automobiles. C. Peckat. 2,180,909; Nov. 21.
Axle assembly, Drive. D. D. Ormsby. 2,180,962; Nov. 21.
Bag testing device. C. B. Pooler. 2,180,608; Nov. 21.
Bags, Method of and machine for producing crinkled paper lined. F. T. Robinson. 2,180,431; Nov. 21.
Bailer, Well. W. H. Dumble. 2,180,935; Nov 21.
Baling press. G. W. Langford. 2,181,019; Nov. 21.
Base, Paint and tile. F. W. Corkery. 2,180,729; Nov. 21.
Battery construction, Storage. M. A. Hopkins. 2,180,959; Nov. 21.
Battery, Primary. G. W. Heise and E. A. Schumacher. 2,180,955; Nov. 21.
Battery, Storage. C. J. Dunzweiler. 2,180,463; Nov. 21.
Bearing for spring leaves, Lubricating. W. Fred. 2,180,464; Nov. 21.
Beater, Mixing machine. W. F. Dehuff. 2,181,078; Nov. 21.
Beer return device. C. Horansky and F. J. Suchanek. 2,180,828; Nov. 21.
Belt, Power-transmitting. J. W. Smith. 2,181,001; Nov. 21.
Benzanthrone, Bromination of. M. A. Perkins and J. Deinet. 2,180,835; Nov. 21.
Bid scoring device for contract and auction bridge. W. B. Hill. 2,180,873; Nov. 21.
Bignanides as flotation reagents, Substituted. D. W. Jayne, Jr., and A. E. Anderson. 2,180,926; Nov. 21.
Binder. H. T. Adams. 2,180,892; Nov. 21.
Binder, Foundry core. H. K. Salzberg. 2,181,004; Nov. 21.
Binder, Loose leaf. A. G. Lotter. 2,180,833; Nov. 21.
Blind attachment, Venetian. E. H. Spenard. 2,181,101; Nov. 21.
Blind, Venetian. C. E. Clancy. 2,180,863; Nov. 21.
Block construction, Multiple sheave. H. T. Nichols. 2,180,541; Nov. 21.
Blower. J. E. Whitfield. 2,180,377; Nov. 21.
Blower, Crop. E. W. Salberlich. 2,180,838; Nov. 21.
Bond for rail joints, Electric. E. A. Everett. 2,180,350; Nov. 21.
Book. E. W. Palmer and H. L. Beutler. 2,180,965; Nov. 21.
Book, Record. C. Rubilino. 2,180,997; Nov. 21.
Booth, Spray. E. Gustafsson. 2,180,586; Nov. 21.
Boring machine. E. J. Hirvonen. 2,181,055; Nov. 21.
Bowling pin. I. E. Guimond. 2,180,676; Nov. 21.
Box: *See*—
  Burial box.
  Jewelry box.
Boxes, Manufacture of locked corner. M. H. Sidebotham. 2,180,748; Nov. 21.
Bracelet structure and making the same. K. Fassnacht and L. W. Ballou. 2,180,980; Nov. 21.
Brake: *See*—
  Disk brake.
  Magnetic rail brake.
  Freight car brake.
Brake. H. C. Bowen. 2,180,453; Nov. 21.
Brake construction. G. J. Thomas. 2,181,029; Nov. 21.
Brake mechanism. S. Bonzack. 2,181,008; Nov. 21.
Brake mechanism. F. L. Main. 2,181,022; Nov. 21.
Brake mechanism, Vehicle. E. G. Hill. 2,180,937; Nov. 21.
Brake system flusher and bleeder, Hydraulic. F. W. Schafer and G. W. Stephens. 2,181,073; Nov. 21.
Braking system, Fluid pressure. H. C. Bowen. 2,180,454; Nov. 21.
Brooch. M. L. Russell. 2,181,071; Nov. 21.
Brush, Electrical. W. Siebenmorgen. 2,181,076; Nov. 21.
Buckle. N. M. A. A. A. Alvarez and E. A. Vigilone. 2,180,786; Nov. 21.
Burial box. A. F. Howe. 2,180,739; Nov. 21.
Burner: *See*—
  Gas burner.
Burner with a cleansing device and a cut-off member, Gasification. H. Akström. 2,181,014; Nov. 21.
Buzzer, Alternating current. J. A. Rostron. 2,180,881; Nov. 21.
Cabinet and making and assembling the same. C. C. Thomas. 2,180,886; Nov. 21.
Cable: *See*—
  Electrical cable.
  Power and communication cable.
Cable clamp. E. T. Sayers. 2,181,072; Nov. 21.
Cable equalizer. T. J. Wilson. 2,180,491; Nov. 21.
Cable system, Electric. F. C. Meyer. 2,180,125; Nov. 21.
Cables, Apparatus for guiding. N. P. Larsen and H. J. Troche. 2,180,987; Nov. 21.
Calcium cyanamide, Preparing. E. Winter and H. Polack. 2,180,382; Nov. 21.
Call ticketing system, Automatic. W. Hatton, L. B. Haigh, and L. Kozma. 2,180,824; Nov. 21.
Canister container. J. W. Gardner. 2,180,806; Nov. 21.
Canteen, cooking, and mess kit, Combined. W. H. N. Stevens. 2,180,561; Nov. 21.

Capping head for bottle capping machines. A. J. Marek. 2,180,812; Nov. 21.
Car: *See*—
  Railway car.
  Refrigerator car.
Car underframe. R. B. Cottrell and J. E. Flesch. 2,180,799; Nov. 21.
Carbonyl compounds of the cyclopentanopolyhydrophenanthrene series, Manufacture of. K. Miescher, H. Kaegi, and P. Plattner. 2,180,762; Nov. 21.
Carbon, Making sorptive. V. C. Hamister. 2,180,735; Nov. 21.
Carburetor device. E. H. Nieman. 2,180,765; Nov. 21.
Carriage. S. and N. J. Kroll. 2,180,531; Nov. 21.
Carton, Dispensing. G. H. Steuernagel and H. W. and R. R. Gauch. 2,180,916; Nov. 21.
Carton folding display, Folding. P. E. Olivier. 2,180,691; Nov. 21.
Case: *See*—
  Wall case.
Case for the reception of elongated articles. H. Lorant. 2,180,713; Nov. 21.
Casing head for pressure drilling. F. W. Hild. 2,180,680; Nov. 21.
Cast cutter. F. Butkiewicz. 2,180,457; Nov. 21.
Catalyst for making ethyl chloride. R. D. Blue. 2,180,345; Nov. 21.
Cathode ray tube screen. M. Knoll, B. Bartels, and O. Spengler. 2,180,710; Nov. 21.
Cell, Primary. E. A. Schumacher and G. W. Heise. 2,180,839; Nov. 21.
Cellulose derivatives, Making. L. E. Goff. 2,180,517; Nov. 21.
Ceramic bodies, Forming lightweight fluid pervious. E. T. Hermann. 2,180,757; Nov. 21.
Chair bottom. D. A. Monroe. 2,180,690; Nov. 21.
Check and check-controlled device. W. K. Schauweker. 2,180,611; Nov. 21.
Check writing machine. H. C. Welter. 2,180,446; Nov. 21.
Chuck closing and opening mechanism. J. J. N. Van Hamersveld. 2,180,488; Nov. 21.
Cigarette, cigar, and the like. F. Schallgruber. 2,180,370; Nov. 21.
Cigarette package. A. G. Woglom. 2,180,753; Nov. 21.
Cigarettes, Manufacture of. W. F. M. Edwards and R. F. May. 2,180,669; Nov. 21.
Circuit: *See*—
  Frequency conversion circuit.
Circuit breaker for electrically powered vehicles. B. B. Follett. 2,180,871; Nov. 21.
Circuit closing device. E. B. Parsons. 2,180,607; Nov. 21.
Circuits, Cathode ray sweep. F. R. Norton. 2,180,364; Nov. 21.
Circuits, Magnetically tuned high frequency. R. L. Harvey. 2,180,413; Nov. 21.
Circuits, Sweep. F. R. Norton. 2,180,365; Nov. 21.
Clamp: *See*—
  Cable clamp.
  Dead end clamp.
Clamp for dental flasks. F. S. Trusler. 2,180,375; Nov. 21.
Clasp or coupling device for bracelets, chains, necklaces, and the like. A. H. Levesque. 2,180,534; Nov. 21.
Clay and producing same, Adsorbent. W. S. Baylis and W. Kelley. 2,180,576; Nov. 21.
Clay, Refining. S. C. Lyons. 2,180,742; Nov. 21.
Cleaner: *See*—
  Air cleaner.
  Vacuum cleaner.
  Pipe cleaner.
Clock. E. F. Farrens. 2,180,627; Nov. 21.
Closure. G. Aukland. 2,180,787; Nov. 21.
Closure applying machine. A. I. Risser. 2,180,836; Nov. 21.
Closure structure with spraying device. P. W. Thayer. 2,180,565; Nov. 21.
Clutch: *See*—
  Self-aligning clutch.
Clutch. H. J. Dunkelow. 2,180,403; Nov. 21.
Clutch. E. R. Hart. 2,180,412; Nov. 21.
Clutch control mechanism, Motor vehicle. J. H. K. and H. J. De N. McCollum. 2,180,537; Nov. 21.
Clutch disk. I. Saks. 2,180,746; Nov. 21.
Coaling station. B. S. Snow. 2,180,913; Nov. 21.
Coat. D. D. Barkin. 2,180,497; Nov. 21.
Coerulein derivatives, Producing easily soluble. E. Peyer. 2,180,769; Nov. 21.
Coffee maker, Electric siphon. L. M. Abbate. 2,180,655; Nov. 21.
Coils, Apparatus for making cross-fin. S. Przyborowski. 2,181,108; Nov. 21.
Coils, Making cross-fin. S. Przyborowski. 2,181,107; Nov. 21.
Collapsible container. C. W. Vogt. 2,180,841; Nov. 21.
Collapsible seat, Portable. J. B. Milligan. 2,180,426; Nov. 21.
Collapsible vehicle wheel. J. J. R. Johnson. 2,180,471; Nov. 21.
Comb. A. G. Bowyer. 2,180,394; Nov. 21.
Comb. F. R. Marcel. 2,180,834; Nov. 21.
Combustion apparatus. B. Valjean. 2,180,443–4; Nov. 21.
Commutator separator undercutting machine. L. E. Poole. 2,180,771; Nov. 21.
Composition. N. J. Dunbeck. 2,180,897; Nov. 21.
Composition of matter. J. D. Maxcy. 2,180,744; Nov. 21.
Concentrating apparatus. C. E. Wood. 2,180,574; Nov. 21.
Condensation products and preparing them. A. Brunner. 2,180,791; Nov. 21.
Condensation products and their manufacture, Basic. V. Kartaschoff. 2,180,809; Nov. 21.
Condensation trap. F. C. Schirmer. 2,180,747; Nov. 21.
Condenser apparatus. C. B. Tuley and D. W. R. Morgan. 2,180,840; Nov. 21.
Conduit construction. R. E. Peck. 2,180,644; Nov. 21.
Confection. M. N. Dodge. 2,181,109; Nov. 21.
Connector: *See*—
  Detachable electrical connector.
Connector. J. A. Cryer. 2,180,866; Nov. 21.
Connector with reinforcing follower. J. Rogoff. 2,180,931; Nov. 21.
Contact, Electric. F. R. Hensel and E. F. Swazy. 2,180,826; Nov. 21.
Contact, Laminated. J. A. Payette. 2,181,083; Nov. 21.
Contact member and making same, Electrical. W. H. Churchill. 2,180,921; Nov. 21.
Contacting element, Electric. F. R. Hensel. 2,180,956; Nov. 21.
Container: *See*—
  Canister container.
  Lightproof shipping container.
  Collapsible container.
  Key container.
Container. J. R. Bedell. 2,180,858; Nov. 21.
Container. J. M. Hothersall. 2,180,357; Nov. 21.
Container. J. N. Royal. 2,180,882; Nov. 21.
Container. A. Weisenburg. 2,180,891; Nov. 21.
Container. W. O. Yancey and I. L. Erlach. 2,180,653; Nov. 21.
Container with electric heating means, Liquid. C. B. Fowler. 2,180,733; Nov. 21.
Containers, Making collapsible. J. H. Fridén. 2,180,628; Nov. 21.
Control device. E. J. Dillman. 2,180,802; Nov. 21.
Control device. M. G. Leonard. 2,180,421; Nov. 21.
Control device for cleaning machines for textile materials. J. Meier. 2,180,761; Nov. 21.
Control for coffee makers, Automatic. L. V. Lucia. 2,181,090; Nov. 21.
Control mechanism for material mixing apparatus. Y. A. Bouget and J. N. Selvig. 2,180,393; Nov. 21.
Control system. K. Clark. 2,180,580; Nov. 21.
Control system, Adjustable follow-up. G. D. Bower. 2,180,503; Nov. 21.
Control system for pipe lines. L. Harleston. 2,180,901; Nov. 21.
Controller, Sequential. R. E. Bassett, Jr. 2,180,948; Nov. 21.
Conveyer. F. P. Johnson. 2,180,681; Nov. 21.
Conveyer, Accumulating. A. S. Mitchell and C. J. Davies. 2,180,601; Nov. 21.
Cooling system for vehicles. E. L. Mayo. 2,180,760; Nov. 21.
Corrosion prevention. R. W. Moncrieff and E. B. Thomas. 2,180,427; Nov. 21.
Cosmetics, Device for containing and applying. M. V. Eastley. 2,180,404; Nov. 21.
Coupling pin. J. Stastny. 2,180,558; Nov. 21.
Cover for ironing surfaces, Asbestos fabric. B. H. Foster. 2,180,515; Nov. 21.
Covering for a hat. G. and C. M. Timmons. 2,181,106; Nov. 21.
Cultivator attachment. W. M. Reynolds. 2,180,910; Nov. 21.
Current systems, Protection of alternating. C. R. Mason. 2,180,990; Nov. 21.
Cutter: *See*—
  Cast cutter.
Cutting and hemming and stitching apparatus. A. A. Mackenzie. 2,180,424; Nov. 21.
Cutting machine. D. L. Smith. 2,180,646; Nov. 21.
Cutting tool. J. B. Moore. 2,181,023; Nov. 21.
Damper, Torsional vibration. W. L. Fischer. 2,180,351; Nov. 21.
Dead end clamp. J. B. Cook. 2,180,977; Nov. 21.
Deep well pump. W. L. Connor. 2,180,864–5; Nov. 21.
Defecator, Floor discharging. W. C. Groeniger. 2,180,585; Nov. 21.
Dental floss throw-away unit and making same. I. Henne. 2,180,522; Nov. 21.
Dental hand piece, Contra-angle. H. H. Beardsley. 2,180,499; Nov. 21.
Denture. C. H. Prange. 2,180,549; Nov. 21.
Desk set. C. G. Gregory. 2,180,518; Nov. 21.
Detachable electrical connector. J. E. Benoit and C. B. Reynolds. 2,180,662; Nov. 21.
Detachable rectifier plug. R. L. Triplett. 2,180,487; Nov. 21.
Detergent composition. C. R. Caryl and A. O. Jaeger. 2,181,087; Nov. 21.
Device for delivering measured quantities of liquid. F. W. and A. G. Berwick. 2,180,702; Nov. 21.
Device for finishing the soles of shoes. C. Haber and E. Hanmann. 2,180,807; Nov. 21.
Device for preventing pick-outs. M. L. Rudolph 2,181,070; Nov. 21.

Dial indicator, Shock-absorbing. C. C. Street. 2,181,077; Nov. 21.
Dihalogen quinizarins. E. C. Buxbaum. 2,181,046; Nov. 21.
Diode, Double. G. F. Elston. 2,181,080; Nov. 21.
Dispenser: *See*—
Tooth powder dispenser.
Dipper. A. W. Daniels. 2,180,348; Nov. 21.
Direct-current arc-welding generator. E. E. Tisza and J. Tyrner. 2,180,700; Nov. 21.
Disinfecting device, Automatic. M. Strobel. 2,180,967; Nov. 21.
Disk brake. A. Haller. 2,180,677; Nov. 21.
Disk harrow. J. H. Clasen. 2,180,458; Nov. 21.
Dispenser. S. Hochstim. 2,180,468; Nov. 21.
Dispenser for vaporizable material. H. T. Weiss. 2,180,752; Nov. 21.
Dispensing rack. P. Milton. 2,180,641; Nov. 21.
Dispensing tank, Portable. M. J. Beale. 2,181,006; Nov. 21.
Display machinery. G. M. Lockwood and O. H. Schoenberger. 2,181,021; Nov. 21.
Dobby with more than one pattern-card cylinder. H. Stäubli. 2,180,777; Nov. 21.
Door assembly, Stove. C. F. Wiley. 2,180,573; Nov. 21.
Door lock. W. R. Schlage. 2,180,371; Nov. 21.
Door locking device, Car. J. Christiansen and J. B. D. Thompson. 2,180,507; Nov. 21.
Door pull, Advertising. E. R. Erickson. 2,180,670; Nov. 21.
Door structure, Furnace. L. M. Cockerham. 2,180,797; Nov. 21.
Dowel bar structure. C. H. Westcott. 2,181,005; Nov. 21.
Drilling, Rotary. W. Sheldon. 2,180,724; Nov. 21.
Drive, Multiple motor. A. S. Menasco. 2,180,599; Nov. 21.
Drive, Speedometer. R. Farrell. 2,180,511; Nov. 21.
Driving means for rotary pumps and engines. F. Rosner. 2,180,851; Nov. 21.
Driving mechanism for pneumatic actions. G. W. Carlson. 2,180,793; Nov. 21.
Dry-shaving device. L. Wimberger. 2,181,038; Nov. 21.
Duodenal mucosa, Obtaining an extract of. A. B. Macallum and N. B. Laughton. 2,180,905; Nov. 21.
Dyestuff intermediates of the anthraquinone series. E. C. Buxbaum. 2,180,336; Nov. 21.
Dyestuffs, Azo. H. Krzikalla and W. Alt. 2,181,057; Nov. 21.
Dyestuffs, Monoazo. R. Fleischhauer. 2,181,051; Nov. 21.
Dyestuffs of the anthraquinone-acridone series, Vat. E. Kramer. 2,180,419; Nov. 21.
Dyestuffs of the anthraquinone series. E. C. Buxbaum. 2,180,337; Nov. 21.
Dynamo-electric machine. R. W. Hall. 2,180,983; Nov. 21.
Earth moving device. E. W. Austin. 2,180,658; Nov. 21.
Elastic mounting device. F. Schmidt. 2,180,613; Nov. 21.
Electric contacting element. F. R. Hensel and K. L. Emmert. 2,180,827; Nov. 21.
Electric switch. H. O. Wilson. 2,180,701; Nov. 21.
Electrical cable. J. N. Aken. 2,181,084; Nov. 21.
Electrical connector. W. H. Walls. 2,180,569; Nov. 21.
Electrical contactor. J. P. Burke. 2,180,396; Nov. 21.
Electrical make and break contact. F. R. Hensel and K. L. Emmert. 2,180,845; Nov. 21.
Electrically heated tool. B. F. Bruggerman. 2,180,665; Nov. 21.
Electrode for electric discharge devices. E. Lemmers and G. M. Carpenter. 2,180,988; Nov. 21.
Electrode, Welding. J. T. Marvin. 2,180,813; Nov. 21.
Electrolytic device. J. L. Collins. 2,180,798; Nov. 21.
Electronic device. H. E. Hollmann. 2,180,957; Nov. 21.
Electronic system. H. E. Hollmann. 2,180,958; Nov. 21.
Electrostatic separation. F. A. Fahrenwald, N. F. Parkinson, and G. H. Barnes. 2,180,804; Nov. 21.
Elevator safety device. B. Henriksen. 2,180,825; Nov. 21.
End construction for railway cars. J. C. Abel. 2,180,494; Nov. 21.
Engine: *See*—
Internal combustion engine.
Envelope fastener machine. D. Novick. 2,180,718; Nov. 21.
Epiallo-pregnanol (3) - one (20), Preparation of. E. Schwenk, B. Whitman, and G. A. Fleischer. 2,180,614; Nov. 21.
Esters, Preparation of aromatic. A. H. Gleason. 2,180,953; Nov. 21.
Ether. F. N. Alquist and H. R. Slagh. 2,181,085; Nov. 21.
Ethers of hydrogenated phenols. H. R. Slagh and F. N. Alquist. 2,181,100; Nov. 21.
Eye testing instrument. W. R. Wilson. 2,180,652; Nov. 21.
Expansion joint. L. Hughes and R. Blackledge. 2,181,018; Nov. 21.
Extractor: *See*—
Juice extractor.
Fabric and making the same, Felted. H. Boeddinghaus. 2,181,043; Nov. 21.
Fabrics, Decorating narrow. A. Milhomme. 2,180,745; Nov. 21.
Fabrics, Plural-ply woven. H. Pferdmenges. 2,180,770; Facsimile system. R. W. Carlisle. 2,180,397; Nov. 21.
Fastener: *See*—
Sash fastener. Sliding clasp fastener.
Fastener member. D. Dryesen. 2,180,925; Nov. 21.
Fastening device. F. W. Williams. 2,180,651; Nov. 21.
Fastening means. F. L. Davis. 2,181,103; Nov. 21.
Feeder: *See*—
Reversible single-line feeder.
Feeding and aligning mechanism for a cutting device. L. Jensen. 2,180,903; Nov. 21.
Feedover device. L. W. Blau, W. D. Mounce, and W. M. Rust, Jr. 2,180,949; Nov. 21.
Figure adapted for advertising and toy purposes. M. J. Eisler. 2,180,340; Nov. 21.
Filament and lamp, Incandescent. G. Mill. 2,180,538; Nov. 21.
Film cut-out. H. E. Butler. 2,180,976; Nov. 21.
Fish lure. L. A. Verzi. 2,180,918; Nov. 21.
Fishhook. J. R. Skoverski. 2,180,557; Nov. 21.
Fishing bait. W. H. Gruenhagen. 2,180,822; Nov. 21.
Fishing reel. R. B. Thompson. 2,180,566; Nov. 21.
Fishing tackle. W. L. Taylor. 2,180,781; Nov. 21.
Fishtail propeller. L. J. Weatherwax. 2,180,890; Nov. 21.
Flavoring solution. F. E. Stockelbach. 2,180,932; Nov. 21.
Floor construction, Metal. G. K. Bradfield, A. W. Clarke, and V. Willoughby. 2,180,504; Nov. 21.
Fluid control for applicators. H. C. Burbig. 2,180,506; Nov. 21.
Fluid dispensing apparatus. H. Ginnel. 2,180,821; Nov. 21.
Fluid-meter structure. F. W. Hanks. 2,180,629; Nov. 21.
Fluid pressure producing device. H. C. Bowen. 2,180,455; Nov. 21.
Fluid pumping arrangement. R. W. Tibbetts. 2,180,441; Nov. 21.
Fluid-tar and sludge from hot newly made water gas, Separating. C. H. Printz. 2,180,848; Nov. 21.
Fluids, Separation and treatment of. R. C. Lassiat. 2,180,361; Nov. 21.
Flyer frame for textile rovings. F. Casablancas. 2,180,792; Nov. 21.
Foodstuffs, Apparatus for packing. W. de Back. 2,180,349; Nov. 21.
Footwear, Rubber. E. W. Dunbar. 2,180,924; Nov. 21.
Form for concrete curb and gutter work. W. G. Winding. 2,180,842; Nov. 21.
Forming machine for glassware. T. F. Pearson. 2,180,766; Nov. 21.
Fractionating, Process and apparatus for. M. R. Fenske. 2,180,512; Nov. 21.
Freezer, Ice cream. H. J. Kettleborough. 2,181,089; Nov. 21.
Freight car brake. W. H. Baselt. 2,181,041; Nov. 21.
Frequency conversion circuit. R. L. Miller. 2,180,816; Nov. 21.
Frequency modulation. L. V. R. Philpott. 2,180,369; Nov. 21.
Fruit pitting machine. C. H. Steinbiss. 2,180,647; Nov. 21.
Fruit treating and washing machine. J. F. Millard. 2,180,689; Nov. 21.
Fuel combustion control system. W. H. Gille. 2,180,675; Nov. 21.
Fuel injector pump. O. Ljungstrom. 2,180,475; Nov. 21.
Furnace: *See*—
Gas fired furnace. Glass furnace.
Furnace. E. H. Berryman. 2,180,577; Nov. 21.
Furnace. H. J. Ness. 2,181,097; Nov. 21.
Furnace construction. G. E. Seil. 2,180,969; Nov. 21.
Fuse, Cartridge. P. V. Hunter and A. W. Metcalf. 2,180,874; Nov. 21.
Fuse, Time lag. G. R. Brown. 2,180,975; Nov. 21.
Game apparatus. C. A. Hill. 2,180,416; Nov. 21.
Game apparatus. S. Pekalski and J. Bennis. 2,180,478; Nov. 21.
Game board and apparatus for use therewith. F. R. Stearns. 2,180,439; Nov. 21.
Game, Electric target practice. W. P. Falkenberg. 2,181,015; Nov. 15.
Garment, Combination. H. Soldinger. 2,180,970; Nov. 21.
Garment elements, Method and apparatus for pressing tubular. J. H. Leef. 2,180,938; Nov. 21.
Gas and liquid contact apparatus. A. J. V. Underwood. 2,180,888; Nov. 21.
Gas burner. J. E. Browning. 2,180,789; Nov. 21.
Gas fired furnace. S. and J. Stanworth. 2,180,774; Nov. 21.
Gas testing device. F. W. Dwyer. 2,181,013; Nov. 21.
Gas, Treating natural. B. M. Laulhere. 2,180,596; Nov. 21.
Gases, Liquefaction and separation of. A. Messer. 2,180,715; Nov. 21.
Gaseous mixtures, Separating the constituents of. J. L. Schlitt. 2,180,435; Nov. 21.
Gasifier. C. B. Larsen. 2,181,058; Nov. 21.
Gasoline, Making. B. H. Shoemaker. 2,180,372; Nov. 21.

Gate control, Stuff. A. Allen. 2,180,656; Nov. 21.
Gate operating means. F. A. Duffe. 2,180,803; Nov. 21.
Gear: *See*—
Retractable landing gear.
Gear for motor vehicles, Running. O. C. Terrell. 2,180,917; Nov. 21.
Gear shifting mechanism. O. K. Butzbach. 2,180,579; Nov. 21.
Gearing, Variable speed. F. F. Ruau. 2,180,481; Nov. 21.
Generator: *See*—
Direct-current arc-welding Steam generator. generator.
Glass furnace, Electric. J. H. Thomas. 2,181,030; Nov. 21.
Glass washing machine. G. T. Fielding. 2,180,408; Nov. 21.
Generator turntable mounting. J. Prince. 2,180,609; Nov. 21.
Glass, Manufacture of laminated. F. L. Bishop. 2,180,625; Nov. 21.
Glue base. G. H. Osgood. 2,180,542; Nov. 21.
Glue, Casein. G. H. Osgood. 2,180,543; Nov. 21.
Glue, Wood veneer. R. G. Peterson. 2,180,547; Nov. 21.
Governor, Pressure. B. S. Aikman. 2,180,856; Nov. 21.
Grading machine. J. W. Johnston. 2,180,591; Nov. 21.
Grandstand construction. B. J. Lambert. 2,180,986; Nov. 21.
Griller. E. W. B. Dunning and P. H. Pearce. 2,180,868; Nov. 21.
Grinder, Fruit jar. A. V. Mikalson. 2,180,640; Nov. 21.
Grinder, Universal lawn mower. B. S. Rogers. 2,180,911; Nov. 21.
Grinding machine. T. C. Kaseberg. 2,180,529; Nov. 21.
Grip and protector, Hose. J. H. Bohrer. 2,181,086; Nov. 21.
Guard and stay, Door. J. B. Bradshaw. 2,180,578; Nov. 21.
Guard, Plowshare. F. O. Berquist. 2,181,007; Nov. 21.
Gun, Calk. S. Crewe. 2,180,978; Nov. 21.
Gun, Metal spray. G. L. Hammon. 2,181,082; Nov. 21.
Gun sight. J. E. Ganaway. 2,181,081; Nov. 21.
Gun starter and recharger, Machine. P. G. Wagner. 2,180,751; Nov. 21.
Hair, Permanent waving of. A. F. Willat. 2,180,380; Nov. 21.
Hair waving device. S. B. Belilaeff. 2,180,388; Nov. 21.
Holder: *See*—
Receptacle holder.
Handlebar structure. S. A. Snell. 2,180,617; Nov. 21.
Hanger and support therefor, Garment. S. Meyer. 2,180,489; Nov. 21.
Harvester and baler, Combined. S. Russell. 2,180,852; Nov. 21.
Harvester, Corn. H. J. Kuhlman. 2,180,594–5; Nov. 21.
Headrest, Adjustable. R. M. Peterson. 2,180,768; Nov. 21.
Heat insulating panel. R. J. Scott. 2,181,074; Nov. 21.
Heat treatment, Controlled atmosphere. A. H. Vaughan. 2,180,376; Nov. 21.
Heat treatment for glass. H. W. Hess. 2,180,737; Nov. 21.
Heat treatment of metals. H. J. Ness. 2,181,093; Nov. 21.
Heater and making same, Water. H. A. Thrush. 2,180,620; Nov. 21.
Heater apparatus. L. C. Soule. 2,180,854; Nov. 21.
Heater control system, Water. K. K. Ostrander. 2,180,432; Nov. 21.
Heater for engines, Crankcase oil. A. P. Bergeron, E. J. Page, and A. C. Rushia. 2,180,663; Nov. 21.
Heater or geyser, Tubular water. J. E. Neale and A. Guest. 2,180,907; Nov. 21.
Heating device, Electric. R. H. Beach. 2,181,042; Nov. 21.
Heating unit. H. E. Mills. 2,180,600; Nov. 21.
Heel-pressure mechanism. J. F. Standish. 2,180,438; Nov. 21.
Heel with exchangeable tip. H. Esser. 2,181,110; Nov. 21.
Helicopter device. G. de Bothezat. 2,180,922; Nov. 21.
Hinge for luggage cases, Stop. J. H. Plotkin. 2,181,025; Nov. 21.
Hinge, opening and closing, and limit stop for doors, Concealed combination. L. R. Schroeder and F. W. Cichoski. 2,180,552; Nov. 21.
Hinge, Toilet seat. E. F. Hill. 2,181,017; Nov. 21.
Hole sizing tool. G. Harrison. 2,180,823; Nov. 21.
Holder and Illuminator, Combined license plate. T. Checkos. 2,180,754; Nov. 21.
Hollow article. W. J. De Witt. 2,180,402; Nov. 21.
Honing structure. E. F. Brower. 2,181,011; Nov. 21.
Honing tool. E. F. Brower and W. H. Harris, Jr. 2,181,010; Nov. 21.
Hydraulic drive. J. K. Douglas. 2,181,049; Nov. 21.
Hydraulic press. E. D. Eby and T. C. Aitchison. 2,180,979; Nov. 21.
Hydrocarbon distillates, Sweetening. V. W. Wilson. 2,181,037; Nov. 21.
Hydrocarbon distillates, Treating. V. W. Wilson. 2,181,036; Nov. 21.
Hydrocarbons, Converting gaseous. F. E. Frey. 2,180,672; Nov. 21.
Hydrocarbons, Production of liquid saturated. E. E. Stahly and E. M. Hattoc. 2,180,374; Nov. 21.
Hydrocarbons, Resinification of oxidized terpene. J. H. James. 2,180,418; Nov. 21.
Hydrometer. C. Nürnberg. 2,180,995; Nov. 21.
Ice chipping device. J. J. Shively. 2,181,000; Nov. 21.
Ignition system. W. L. Carlson. 2,180,794; Nov. 21.
Ignition system. F. J. Hooven. 2,180,358; Nov. 21.
Index device, Card. M. Vogel. 2,180,490; Nov. 21.
Indicator: *See*—
Dial indicator.
Indole derivatives and their manufacture, Sulphonated. K. Engel. 2,180,801; Nov. 21.
Induction apparatus, Stationary. R. F. Knelsley. 2,180,759; Nov. 21.
Insert to be used in conjunction with an outlet box and other electrical units. K. Badger. 2,180,575; Nov. 21.
Inside pipe cutter. D. H. Reed. 2,180,693; Nov. 21.
Interference preventing arrangement for internal combustion engines. J. Dietrich and K. Hagenhaus. 2,180,704; Nov. 21.
Internal combustion engine. J. S. Frazer. 2,180,898; Nov. 21.
Internal combustion engine. J. H. Geisse. 2,180,674; Nov. 21.
Internal combustion engine, Rotary. D. S. Fahrney. 2,180,352; Nov. 21.
Iron and making the same, Electrical heating. J. D. Morgan. 2,180,603; Nov. 21.
Ironer, Garment leg. J. H. Leef. 2,180,941; Nov. 21.
Ironer, Garment leg and sleeve. J. H. Leef. 2,180,939; Nov. 21.
Ironer, Garment sleeve. J. H. Leef. 2,180,942; Nov. 21.
Isocolloid products, having controlled solubility, Manufacture of modified. L. Auer. 2,180,342; Nov. 21.
Jewelry and accessories, Novelty. E. K. Bradley. 2,180,726; Nov. 21.
Jewelry box. J. R. Sundee. 2,180,885; Nov. 21.
Joint: *See*—
Expansion joint. Steam joint.
Pipe joint.
Joint for roofing and the like surfaces, Expansion. K. C. Jorgensen. 2,180,904; Nov. 21.
Joist form and the like, Concrete. S. Rogow. 2,180,964; Nov. 21.
Joist or truss, Welded skeleton. F. Tench. 2,180,486; Nov. 21.
Juice extractor, Continuous operation centrifugal. B. L. Lorenzen. 2,180,877; Nov. 21.
Key container. E. C. Nelson. 2,180,717; Nov. 21.
Kit, Tool. F. E. White. 2,180,572; Nov. 21.
Kitchen device. G. L. C. Earle. 2,180,459; Nov. 21.
Knitting machine. H. E. Houseman. 2,180,707–9; Nov. 21.
Knitting machine. J. Sirmay. 2,181,105; Nov. 21.
Knitting machine. F. G. Weisbecker. 2,180,571; Nov. 21.
Knob fastening installation and knob fastener. H. J. Murphy. 2,180,929; Nov. 21.
Lamp or plug and receptacle therefor. E. R. Evans. 2,181,050; Nov. 21.
Laundered articles, Method and material for marking. J. L. De Fraine and J. Y. Smith 2,180,508; Nov. 21.
Lead-in arrangement. N. M. Rust. 2,180,722; Nov. 21.
Leathers, Manufacture of fabric-reinforced artificial. M. O. Schur and B. G. Hoos. 2,180,723; Nov. 21.
Leg, Artificial. J. C. Thompson. 2,181,031; Nov. 21.
Lenses, series of said lenses, and making the same, Ophthalmic. E. D. Tillyer. 2,180,887; Nov. 21.
Lettering and marking guide. E. W. Watkins. 2,181,033; Nov. 21.
Lighter, Cigar. L. C. Carissimi. 2,180,703; Nov. 21.
Lighter, Cigar. A. A. Johnson. 2,180,927; Nov. 21.
Lighter, Cigar. H. G. Lehmann. 2,180,711; Nov. 21.
Lighter, Gas. E. H. Smith. 2,180,616; Nov. 21.
Lighting control system. C. W. Nessell. 2,180,764; Nov. 21.
Lightproof shipping container. A. Lapara. 2,180,682; Nov. 21.
Liner for shoes, Toe and vamp. A. T. Prewitt. 2,180,996; Nov. 21.
Liquid dispensing apparatus. P. Lohn. 2,180,989; Nov. 21.
Liquid dispensing apparatus. F. W. Sturm. 2,180,619; Nov. 21.
Liquid into constituent parts, Separating a. P. Schuftan and F. Steinbacher. 2,180,553; Nov. 21.
Liquid level control device. E. T. Dahl. 2,180,844; Nov. 21.
Liquid separator. H. V. King. 2,180,811; Nov. 21.
Liquors, Artificial maturing of alcoholic. L. F. Little. 2,180,685; Nov. 21.
Lock: *See*—
Door lock. Nut lock.
Locking device. C. L. Gehnrich. 2,180,516; Nov. 21.
Locking device. T. A. Hearn. 2,180,630; Nov. 21.
Locking device for loose leaf binders and the like. W. J. Weatherly. 2,180,973; Nov. 21.
Locking mechanism for automobile doors: A. C. Findlay. 2,180,819; Nov. 21.
Locomotive lubricating system and apparatus. E. J. Doyle and F. A. Butler. 2,180,867; Nov. 21.
Loom: *See*—
Shuttleless loom.
Loom. C. F. Libby. 2,180,832; Nov. 21.
Lubrication, Apparatus for. H. G. Kinder. 2,180,875; Nov. 21.

Lug and soldering lug installation, Soldering. E. J. Pool. 2,180,919; Nov. 21.
Luggage rack. M. J. Boggia. 2,180,333; Nov. 21.
Machine and method for rolling rivets. H. E. Sipe. 2,180,555; Nov. 21.
Machine for cutting tile and the like. C. A. Martin. 2,180,743; Nov. 21.
Machine for making, filling, and sealing containers. J. K. M. Harrison. 2,180,954; Nov. 21.
Machine for manufacturing clay products. C. E. Doll and C. F. Copeland. 2,180,895; Nov. 21.
Machine for picking cotton. W. E. Urschel. 2,180,568; Nov. 21.
Machine for threading nuts. J. J. McLaughlin. 2,180,536; Nov. 21.
Magazine for firearms. J. Lisov. 2,180,741; Nov. 21.
Magnetic rail brake. C. C. Farmer. 2,180,870; Nov. 21.
Magneto attachment. A. V. Pellet. 2,180,546; Nov. 21.
Maps, Method and apparatus for assembling. L. T. Eliel, E. R. Polley, and M. A. Phillips. 2,180,406; Nov. 21.
Marker, Permanent land. E. W. Watkins. 2,181,032; Nov. 21.
Material moving apparatus. J. E. Whitfield. 2,180,379; Nov. 21.
Measuring instrument. H. A. Henze. 2,180,588; Nov. 21.
Meat curing. W. M. Urbain. 2,180,750; Nov. 21.
Mechanism generally known as Bowden mechanism. R. Tondeur. 2,180,442; Nov. 21.
Merchandising device, Automaton. F. L. Dale. 2,180,951; Nov. 21.
Metal and a ceramic article, Spinning together a. G. J. Meyers, Jr. 2,180,992; Nov. 21.
Metal composition. F. R. Hensel. 2,180,984; Nov. 21.
Metal compounds of polyazo dyestuffs, Manufacture of complex. F. Straub and W. Hanhart. 2,180,776; Nov. 21.
Metal, Method and apparatus for cold rolling strip. L. Iversen. 2,180,635; Nov. 21.
Metal mold. H. B. Lindsay. 2,180,422; Nov. 21.
Metal stitching machine. W. O. Sims. 2,180,484; Nov. 21.
Metals, Production of ferreous. H. J. Ness. 2,181,096; Nov. 21.
Metallurgical process. H. J. Ness. 2,181,094; Nov. 21.
Metallurgical process and apparatus. H. J. Ness. 2,181,092; Nov. 21.
Metalwork, Method of and templet punch for stamping flat sheet. J. S. Gay. 2,180,869; Nov. 21.
Meter: *See*—
Moving coil induction meter.
Meter system, Flow. C. P. Sherwood. 2,181,075; Nov. 21.
Paper packages, Method and apparatus for forming. W. S. Cloud. 2,180,338; Nov. 21.
Milk and producing the same, Soluble dried solids of. H. K. Salzberg. 2,181,003; Nov. 21.
Mining machine. J. F. Joy. 2,180,359; Nov. 21.
Mirror and clearance lamp device, Combination truck. O. C. Ritz-Woller. 2,180,610; Nov. 21.
Mixing machine. W. F. Dehuff. 2,181,079; Nov. 21.
Modulation system. A. S. Gano. 2,180,514; Nov. 21.
Moisture collection device, Flush tank. V. Herodes and E. Janes. 2,180,902; Nov. 21.
Mold: *See*—
Metal mold. Pipe joint mold.
Molded product. H. M. Dent and A. J. Norton. 2,180,934; Nov. 21.
Motor: *See*—
Pneumatic motor.
Mounting: *See*—
Generator turntable mounting. Ophthalmic mounting.
Mounting for a grinding wheel. J. M. Redinger. 210,550; Nov. 21.
Moving coil induction meter. K. Lange. 2,180,473; Nov. 21.
N,N-di-cycloalkyl-alkyl amines, Tertiary. F. F. Blicke. 2,180,344; Nov. 21.
Name plate and the like, Ornamental. F. J. Brown. 2,181,044; Nov. 21.
Necktie device. O. Casidy. 2,180,861; Nov. 21.
Nickel from copper, Separation of. G. Hamprecht and G. Panckner. 2,180,520; Nov. 21.
Nipple structure. B. H. Kennedy. 2,180,960; Nov. 21.
Noise in radio receivers, Suppressing. P. M. Haffcke. 2,180,355; Nov. 21.
Noise reducing means for cabin aircraft. S. J. Zand. 2,180,843; Nov. 21.
Nut lock. W. O. Simpson. 2,180,773; Nov. 21.
Odorizer for natural gas. W. A. Green and E. Rolle. 2,180,584; Nov. 21.
Oil composition, Lubricating. A. C. Vobach. 2,180,697-9; Nov. 21.
Oils containing vitamins, Vacuum distillation of. K. C. D. Hickman. 2,180,356; Nov. 21.
Oils, Fractionating hydrocarbon. G. W. Nederbragt. 2,180,763; Nov. 21.
1-amino-6-chloroanthraquinone, Preparation of. M. S. Whelen. 2,181,034; Nov. 21.
Opener for tobacco stripping and booking machines, Leaf. R. E. Rundell and G. E. Hagquist. 2,180,368; Nov. 21.
Ophthalmic mounting. J. Gaspari. 2,180,820; Nov. 21.
Optical slit, Measuring the quality of an. H. C. Wohlrab. 2,180,972; Nov. 21.
Ores, Treating. J. S. Potter. 2,180,692; Nov. 21.
Organs, Adjustable combination action for pipe. S. S. Waters. 2,180,784; Nov. 21.
Oven for domestic ranges. T. E. Taylor. 2,180,563; Nov. 21.
Oven structure, Coke. J. Becker. 2,180,857; Nov. 21.
Oxide catalyst, Vanadium. H. B. Foster. 2,180,353; Nov. 21.
Oxygen therapy apparatus, Portable. F. A. Hetessy. 2,180,631; Nov. 21.
Package advancing mechanism. T. Petersen. 2,180,548; Nov. 21.
Packing. N. A. Christensen. 2,180,795; Nov. 21.
Panel, Heat insulating. L. T. Sibley and R. J. Scott. 2,180,373; Nov. 21.
Paper, Ornamentally coloring. E. F. Bassford. 2,180,387; Nov. 21.
Parachute signal. J. R. Decker. 2,180,667; Nov. 21.
Pavement, Bituminous non-skid. J. H. Conzelman. 2,180,339; Nov. 21.
Phase modulation receiver. C. W. Hansell. 2,180,736; Nov. 21.
Phenylmercuric citrate and making same. R. P. Perkins. 2,181,098; Nov. 21.
Photographic material. W. Frankenburger and H. Schulz. 2,180,409; Nov. 21.
Picture film reel, Motion. A. Kolmodin. 2,180,829; Nov. 21.
Pigment pastes, Speeding up the making of. L. Room and A. Minich. 2,180,721; Nov. 21.
Pin: *See*—
Bowling pin. Coupling pin.
Pipe cleaner. C. F. Smith. 2,180,437; Nov. 21.
Pipe closure. O. W. Ellis. 2,180,461; Nov. 21.
Pipe coupling assembly and making the same. E. W. Rembert. 2,180,695; Nov. 21.
Pipe joint. T. Raedle. 2,180,720; Nov. 21.
Pipe joint mold. E. J. Keegan. 2,180,810; Nov. 21.
Piston. W. S. Harley. 2,180,521; Nov. 21.
Piston expander. H. P. Phillips. 2,180,428; Nov. 21.
Planetary transmission system. G. Fleischel. 2,180,671; Nov. 21.
Plant protector. W. F. Gross. 2,181,016; Nov. 21.
Plastic materials, Apparatus for consolidating. R. W. Baily. 2,180,660; Nov. 21.
Plate, Electric hot. J. D. Morgan. 2,180,602; Nov. 21.
Plate, Stereotype. H. N. Durham. 2,180,732; Nov. 21.
Plow. C. G. Strandlund. 2,180,618; Nov. 21.
Plug: *See*—
Detachable rectifier plug. Sparking plug.
Spark plug. Well plug.
Plug and socket connection, Electrical. S. M. Del Camp. 2,180,923; Nov. 21.
Pneumatic motor. E. J. Monnier. 2,180,993; Nov. 21.
Pocket construction. H. A. Speh. 2,180,914; Nov. 21.
Power and communication cable, Combined. H. F. Dickinson. 2,180,731; Nov. 21.
Power transmission. H. C. Nye. 2,180,817; Nov. 21.
Press: *See*—
Baling press. Printing press.
Hydraulic press. Racquet press.
Pretzel stick package. G. Gelfand. 2,180,465; Nov. 21.
Printing and bundling machine. A. J. Horton and S. C. Freeman. 2,181,088; Nov. 21.
Printing machine. L. N. Stone. 2,180,440; Nov. 21.
Printing plates or cylinders, Production of metallic. J. Horn. 2,181,111; Nov. 21.
Printing press, Rotary. I. Tornberg. 2,180,782; Nov. 21.
Projector, Floodlight. J. P. Foulds. 2,180,982; Nov. 21.
Protector: *See*—
Plant protector. Vehicle occupant protector.
Ski protector.
Publication, Printed. V. J. Sawdon and A. E. Brigham. 2,180,551; Nov. 21.
Pulley, Variable speed. I. E. McElroy and R. H. Shadrick. 2,180,687; Nov. 21.
Pump: *See*—
Deep well pump. Fuel injector pump.
Pump. J. E. Whitfield. 2,180,378; Nov. 21.
Pump assembly, Fuel. P. L. Scott. 2,180,883; Nov. 21.
Pump mechanism. P. B. Barnett and C. G. Upton. 2,180,451; Nov. 21.
Pump or motor, Hydraulic. E. K. Benedek. 2,180,343; Nov. 21.
Pump rod in a well, Rotating. A. E. Poulsen. 2,180,880; Nov. 21.
Pumps, Method and apparatus for controlling fluid operated. C. J. Coberly. 2,180,400; Nov. 21.
Pumping apparatus. C. Reuchert. 2,180,366; Nov. 21.
Rack: *See*—
Dispensing rack. Refrigerator car floor rack.
Luggage rack.
Racket press E. Vredenburg, Jr. 2,180,783; Nov. 21.
Radiator stop-leak. H. Erickson. 2,180,341; Nov. 21.
Railway car, Drop bottom. A. Kassler and R. A. Shields. 2,180,530; Nov. 21.
Railway vehicle. J. G. Blunt. 2,180,392; Nov. 21.
Rake and carrier, Arm. A. Nissen. 2,180,544; Nov. 21.
Range, Electric. O. M. Anderson. 2,180,657; Nov. 21.
Range, Gas. J. E. Chambers. 2,180,862; Nov. 21.
Receptacle holder. J. S. Mahan. 2,180,598; Nov. 21.

Reciprocating valve. H. A. Bohuslav. 2,180,347; Nov. 21.
Reed instrument tuning device, Single. F. W. Anderberg. 2,180,383; Nov. 21.
Reel: *See*—
Fishing reel. Picture film reel.
Refrigerating apparatus. A. A. Kucher. 2,180,472; Nov. 21.
Refrigerating machine. L. W. Atchison and J. L. Fletcher. 2,180,974; Nov. 21.
Refrigerating system. L. Buehler, Jr. 2,180,456; Nov. 21.
Refrigerating system. L. F. Whitney. 2,180,447; Nov. 21.
Refrigerating unit. H. Y. Stebbins. 2,180,915; Nov. 21.
Refrigeration and brine composition therefor. F. W. Binns. 2,180,624; Nov. 21.
Refrigeration apparatus and method. E. R. Wolfert. 2,180,493; Nov. 21.
Refrigerator. G. L. C. Earle. 2,180,460; Nov. 21.
Refrigerator car. W. F. Dietrichson. 2,180,510; Nov. 21.
Refrigerator car. K. E. Zeidler. 2,180,654; Nov. 21.
Refrigerator car floor rack. C. D. Bonsall. 2,180,502; Nov. 21.
Register, Score. A. Holzner. 2,180,590; Nov. 21.
Relay. O. S. Field. 2,180,583; Nov. 21.
Relay. J. R. Fry. 2,180,705; Nov. 21.
Relay. D. Miller. 2,180,539; Nov. 21.
Reservoir, Smoothing iron. F. J. Horton. 2,180,523; Nov. 21.
Resin, Modified alkyd. H. A. Hampton, A. Hill, and E. B. Robinson. 2,181,054; Nov. 21.
Resins, Making phenol-aldehyde. E. F. Fiedler. 2,180,981; Nov. 21.
Respirator. N. Schwartz. 2,181,026; Nov. 21.
Retractable landing gear. G. E. Johnsen. 2,180,526; Nov. 21.
Reversible single-line feeder. D. R. Hillis. 2,180,632; Nov. 21.
Rod guide for pumps, Adjustable. E. W. Ostrom. 2,180,719; Nov. 21.
Router machine. A. A. Shinn and D. A. Ericson. 2,181,027; Nov. 21.
Rubber composition and preserving rubber. R. F. Dunbrook. 2,180,936; Nov. 21.
Rubber compound and making same. F. J. and F. J. Maywald, Jr. 2,180,906; Nov. 21.
Rubber goods and in allied branches of industry, Producing mixtures for use in the manufacturing of. F. Rostler and V. Mehner. 2,180,367; Nov. 21.
Rubber, Making goods of cellular. A. N. Ward and F. T. Purkis. 2,180,725; Nov. 21.
Sadiron. E. K. Clark. 2,180,399; Nov. 21.
Salts, The electrolytic preparation of oxychlorine. L. Delavenna and J. Maillard. 2,180,668; Nov. 21.
Sash and screen frame construction, Combination storm. A. L. Herrmann. 2,180,415; Nov. 21.
Sash fastener. J. E. Mulcahy. 2,180,994; Nov. 21.
Saw set. J. W. Gaede. 2,180,899; Nov. 21.
Saw, Wood. H. L. Collett. 2,181,047; Nov. 21.
Scissors, Automatic. J. Brancato and D. Scalese. 2,181,009; Nov. 21.
Scoreboard. R. A. Nevinger. 2,180,908; Nov. 21.
Screen: *See*—
Anesthetic screen. Window screen.
Cathode ray tube screen.
Screen material. R. H. George. 2,180,734; Nov. 21.
Screw head. C. G. Holt. 2,180,633; Nov. 21.
Seal, Floating roof. H. Hammeren. 2,180,587; Nov. 21.
Seat: *See*—
Collapsible seat.
Seat mechanism, Reclining. G. K. Bradfield, Jr. 2,180,505; Nov. 21.
Selector control mechanism. H. J. Kaye. 2,180,740; Nov. 21.
Self-aligning clutch. G. F. Le Bus. 2,180,597; Nov. 21.
Self-inductance device. E. Reiser. 2,180,850; Nov. 21.
Semaphore signal. H. R. Trubshaw. 2,180,749; Nov. 21.
Separator: *See*—
Liquid separator.
Server, Bun. R. H. and J. V. Moebus. 2,180,540; Nov. 21.
Sewing machine. R. A. Lineham and F. Barton. 2,180,423; Nov. 21.
Sewing machine. H. A. and G. Scavelli, Sr. 2,180,696; Nov. 21.
Sewing machines, Stitching mechanism for. L. R. Harding. 2,180,756; Nov. 21.
Shaft arrangement. W. Scheppmann. 2,180,853; Nov. 21.
Shears, Hedge. S. M. Irvine. 2,181,056; Nov. 21.
Sheet material, Method of and apparatus for flattening. B. C. McFadden. 2,180,879; Nov. 21.
Shoe and making the same. C. W. Baker. 2,180,385; Nov. 21.
Shoe machine. H. J. Willmott. 2,180,381; Nov. 21.
Shuttleless loom. C. F. Libby. 2,180,831; Nov. 21.
Signal light for railway switches, Electric revolving. C. J. Reigh. 2,181,067; Nov. 21.
Signal switch, Steering column directional. H. E. Metcalf. 2,180,688; Nov. 21.
Signaling system. H. A. Bredehoft. 2,180,334; Nov. 21.
Signaling switch. F. Courtinade. 2,180,894; Nov. 21.
Sills construction for freight cars, Center. J. J. Tatum. 2,180,450; Nov. 21.
Sizer, Fruit. F. Stebler. 2,180,559; Nov. 21.
Ski protector. A. Lorinovich. 2,180,686; Nov. 21.
Skimming device for glass tanks or furnaces. T. F. Pearson. 2,180,767; Nov. 21.
Skins, Apparatus and method for treating animal. L. J. Strobino. 2,180,562; Nov. 21.
Sliding clasp fastener. J. H. Kohler. 2,180,928; Nov. 21.
Snubber, Load responsive recoil. E. G. Goodwin. 2,180,900; Nov. 21.
Solvent employed in the separation of acetylene from gaseous mixtures, Recovering. F. R. Balcar. 2,180,496; Nov. 21.
Soda in conjunction with the ammonia-soda process, Production of a pure caustic. J. C. Garrels and H. Roderick. 2,180,755; Nov. 21.
Sound insulation means for motion picture cameras. G. Laube, R. C. Stevens, and C. M. Miller. 2,180,683; Nov. 21.
Sound reproducer and manufacturing the same. O. I. Price. 2,180,482; Nov. 21.
Sound reproducing apparatus for endless band sound carriers. G. Fries. 2,181,112; Nov. 21.
Square, level, protractor, etc., Combined. C. L. Dickson. 2,180,509; Nov. 21.
Spark plug. A. A. Kasarjian. 2,180,528; Nov. 21.
Sparking plug, Etched. R. Stribeck. 2,180,779; Nov. 21.
Speaker. I. B. Serge. 2,180,615; Nov. 21.
Speed drive, Adjustable. D. Heyer. 2,180,678; Nov. 21.
Speed drive system, Multiple belt adjustable. D. Heyer. 2,180,679; Nov. 21.
Speed transmission, Variable. B. M. Leece. 2,180,474; Nov. 21.
Spectacles, Invisible rim. I. W. Mefferd. 2,181,062; Nov. 21.
Spinal adjuster. E. W. Stevens. 2,180,775; Nov. 21.
Spool for electromagnets, Insulated. L. O. Larsen. 2,180,420; Nov. 21.
Sprayer construction and cover clamping device. J. E. Oys and W. C. Perron. 2,180,606; Nov. 21.
Springs and the like, Attaching means for coil. S. S. Bernstein. 2,180,500; Nov. 21.
Signal: *See*—
Parachute signal. Semaphore signal.
Standard for theatre chairs, End. A. C. Sellers. 2,180,999; Nov. 21.
Starch, Drying. H. Schorn and C. V. Daumas. 2,180,968; Nov. 21.
Starting device for internal combustion engines. K. Schlenker. 2,180,612; Nov. 21.
Stay and combination thereof with a hat box, Hat packing. J. G. Huye. 2,180,524; Nov. 21.
Steam generator, Electric. R. W. E. Vickery. 2,180,445; Nov. 21.
Steam joint. E. L. Few. 2,180,407; Nov. 21.
Stemmer, Fruit. W. E. Urschel. 2,180,567; Nov. 21.
Steel building panel. R. G. Le Tourneau. 2,180,830; Nov. 21.
Steering mechanism. A. P. Reitz. 2,180,430; Nov. 21.
Stencil, Nail coating. F. F. Hamilton and A. R. Lundquist. 2,180,519; Nov. 21.
Stitch-cutting machine. G. Hazelton. 2,180,414; Nov. 21.
Stocking and making same. J. Kugelman and J. E. Garrett. 2,180,593; Nov. 21.
Stop motion for winding machines. L. A. Runton. 2,180,434; Nov. 21.
Stopper, Milk bottle. T. D. Crane. 2,180,582; Nov. 21.
Stopping and assisting device for automobiles, Automatic and manually operable. H. Karl. 2,180,846; Nov. 21.
Stove. A. G. Sherman. 2,180,645; Nov. 21.
Stove, Duo-functional cook and heating. B. F. Berkheimer. 2,180,788; Nov. 21.
Strands, Handling. J. N. Selvig. 2,180,554; Nov. 21.
Stresses in welds, Apparatus for relieving. A. P. Fugill and D. H. Corey. 2,180,513; Nov. 21.
Strip separating device. W. J. Rudolph. 2,180,837; Nov. 21.
Sulphonates, Separation of. F. W. Corkery. 2,180,728; Nov. 21.
Sulphur dioxide, Recovery of. R. F. Bacon. 2,180,495; Nov. 21.
Support: *See*—
Trolley wire support.
Surfaces, Machining curved. W. H. Ford. 2,180,872; Nov. 21.
Suspension system, Individual pneumatic. J. W. Kuhn. 2,180,876; Nov. 21.
Swing. J. W. Miller. 2,181,063; Nov. 21.
Switch: *See*—
Electric switch. Signaling switch.
Signal switch. Vacuum switch.
Switch actuating mechanism. R. A. Blood. 2,180,501; Nov. 21.
Switch construction, Electric snap. A. L. Riche. 2,181,068; Nov. 21.
Switch for fuel oil burners, Float. C. A. Silvestri and A. Pacifico. 2,180,884; Nov. 21.
Table. G. V. Ingram. 2,180,525; Nov. 21.
Table for balers, Feed. B. C. Leonard. 2,181,060; Nov. 21.
Tank: *See*—
Dispensing tank.
Tank closure structure, Dispensing. H. E. Brandt. 2,180,664; Nov. 21.
Tape, Method of and apparatus for manufacturing wallboard joint. J. Page and C. R. Southwick. 2,180,433; Nov. 21.

Tar and sludge from water gas with the nonformation of tar emulsion, Removing liquid. C. H. Printz. 2,180,849; Nov. 21.
Telegraph apparatus, Printing. H. L. Krum and C. W. Swan. 2,180,360; Nov. 21.
Telephone coupling device. J. C. Barnes. 2,180,498; Nov. 21.
Telephone set. A. Montel and M. Rabine. 2,180,716; Nov. 21.
Telephone system. O. A. Pearce. 2,180,963; Nov. 21.
Television and like receiver. A. A. Linsell. 2,180,944; Nov. 21.
Television signal system. A. F. Murray. 2,181,064; Nov. 21.
Television transmitting tube. G. A. Morton and A. W. Vance. 2,180,946; Nov. 21.
Temperature control device. H. E. Goldstine. 2,180,706; Nov. 21.
Temperature control system. W. L. McGrath. 2,181,061; Nov. 21.
Testing device. C. H. Nordell. 2,180,847; Nov. 21.
Textile machine. R. W. McLean. 2,181,091; Nov. 21.
Textile materials. R. R. Sitzler. 2,180,436; Nov. 21.
Thermal-control apparatus, Multicontact. W. B. Mullin. 2,180,643; Nov. 21.
Thermionic device. J. D. McQuade. 2,180,714; Nov. 21.
Thermoplastic composition and making same. J. Delorme. 2,180,626; Nov. 21.
Thread cleaning device. S. Hyslop. 2,180,985; Nov. 21.
Ticket, Chance. A. and B. Jacobstein. 2,180,808; Nov. 21.
Ticket issuing mechanism. L. Scher. 2,180,483; Nov. 21.
Tire, Making a nonskid. D. E. White. 2,180,650; Nov. 21.
Tire, Nonskid. D. E. White. 2,180,649; Nov. 21.
Tire slitting machine. H. E. Sipe. 2,180,556; Nov. 21.
Titanium compounds, Production of water-soluble. E. N. Kramer. 2,180,961; Nov. 21.
Toeboard. F. E. Austin. 2,180,384; Nov. 21.
Tool: *See*—
Cutting tool.
Electrically heated tool.
Hole sizing tool.
Honing tool.
Well drilling and reaming tool.
Tooth powder dispenser. L. Bethke. 2,180,389; Nov. 21.
Top for containers, Dispensing. W. G. Bursnall. 2,181,045; Nov. 21.
Torch, Heating. H. J. Ness. 2,181,095; Nov. 21.
Toy. H. D. Allen. 2,180,623; Nov. 21.
Toy animal. M. Pifalo. 2,181,024; Nov. 21.
Toy railway. G. Einfalt. 2,180,405; Nov. 21.
Track, Race. A. W. Molinare. 2,180,476; Nov. 21.
Trailer crane. J. Thomason and R. Arnett. 2,180,621; Nov. 21.
Transmission. G. Jaeger, and C. Gerst. 2,180,469; Nov. 21.
Transmission. G. Jaeger and C. Gerst. 2,180,470; Nov. 21.
Transmission. B. W. Jones. 2,180,527; Nov. 21.
Trap: *See*—
Condensation trap.
Trifluoromethyl benzaldehydes. O. Scherer. 2,180,772; Nov. 21.
Trimming apparatus for molded rubber articles. T. W. Morris. 2,180,604; Nov. 21.
Trolley wire support. S. S. Matthes. 2,180,878; Nov. 21.
Truck, Air cushion rail. W. J. Wilson and E. F. Dohe. 2,180,492; Nov. 21.
Truck, Foldable. G. Mochan. 2,180,642; Nov. 21.
Truck, Railway. D. S. Barrows. 2,180,933; Nov. 21.
Tube: *See*—
Television transmitting tube.
Tube and circuit, Gas discharge. W. L. Meier. 2,180,815; Nov. 21.
Tube threading implement. H. Lauritz Hanson and H. L. Hanson. 2,180,466; Nov. 21.
Tubing and making the same. C. E. White. 2,181,035; Nov. 21.
Turbine plant, Elastic fluid. D. F. Warner. 2,181,002; Nov. 21.
Type characters, Photographically composing. W. C. Huebner. 2,180,417; Nov. 21.
Undergarment. D. Blair. 2,180,390–1; Nov. 21.
Underreamer. G. M. Boulter. 2,180,452; Nov. 21.
Utensil, Kitchen. W. E. Thompson. 2,180,648; Nov. 21.
Vacuum cleaner. R. P. Mortensen. 2,180,930; Nov. 21.
Vacuum cleaner. W. C. Reed. 2,180,694; Nov. 21.
Vacuum switch. S. N. Baruch. 2,180,661; Nov. 21.
Valve: *See*—
Reciprocating valve.
Valve. B. Cyr. 2,180,800; Nov. 21.
Valve. H. B. Lee. 2,181,059; Nov. 21.
Valve converting system, Electric. Y. Matusita. 2,180,991; Nov. 21.
Valve converting system, Electric. C. A. Sabbah. 2,180,998; Nov. 21.
Valve mechanism for rock drills. E. F. Terry. 2,180,564; Nov. 21.
Valves, Manufacture of thermostatic mixing. F. C. Leonard. 2,180,362; Nov. 21.
Varnishes having high paraffin hydrocarbon tolerance and the product thereof, Making. E. E. Mayfield. 2,180,535; Nov. 21.
Vehicle: *See*—
Railway vehicle.
Vehicle. V. W. Kliesrath. 2,180,592; Nov. 21.
Vehicle occupant protector. H. R. Rogers. 2,180,912; Nov. 21.
Vehicle suspension. R. W. Brown. 2,180,860; Nov. 21.
Vending machine, Coin controlled. R. E. Baker. 2,181,039–40; Nov. 21.
Ventilating construction. Roger G. Morey. 2,180,945; Nov. 21.
Vibration retarding means for electrically actuated apparatus. A. C. Borchers. 2,180,859; Nov. 21.
Vinyl compounds, Stabilization of polymerizable. S. M. and W. C. Stoesser. 2,181,102; Nov. 21.
Voltage control system. E. M. Claytor. 2,180,796; Nov. 21.
Voltage divider, Multiple. H. Bähring. 2,180,659; Nov. 21.
Waist band construction. H. Brewster. 2,180,346; Nov. 21.
Wall case. A. G. Pfeiffer and E. E. Murdock. 2,181,065; Nov. 21.
Washing machine, Automatic. H. H. Ball. 2,180,947; Nov. 21.
Water circulator. E. S. Cornell, Jr. 2,180,401; Nov. 21.
Water, Chlorinating. J. D. Robinson. 2,181,069; Nov. 21.
Water control for bathtubs, Automatic. D. E. Brummett. 2,180,790; Nov. 21.
Water surveying apparatus. A. H. Frazier. 2,180,354; Nov. 21.
Waterproofing composition. A. F. Taggart and W. L. Parrott. 2,180,971; Nov. 21.
Wave transmission, Guided. A. E. Bowen. 2,180,950; Nov. 21.
Weeder. E. L. Rasmussen. 2,180,429; Nov. 21.
Weigh beam damping device. C. Best. 2,180,893; Nov. 21.
Well drilling and reaming tool. F. F. Hodges. 2,180,589; Nov. 21.
Well, Gas lift or natural flow. H. C. Pyle. 2,181,099; Nov. 21.
Well plug. H. C. Otis. 2,180,605; Nov. 21.
Wheel: *See*—
Collapsible vehicle wheel.
Wheel bodies, Making vehicle. C. W. Sinclair. 2,181,028; Nov. 21.
Wheel rims, Apparatus for manufacturing vehicle. F. H. Le Jeune. 2,181,020; Nov. 21.
Window screen. A. P. Summers. 2,180,780; Nov. 21.
Window strip installation and fastener for the same. W. H. Churchill. 2,180,920; Nov. 21.
Wiper, Rotary windshield. R. C. Rau. 2,181,066; Nov. 21.
Wiping mechanism for intaglio printing presses. A. M. Wickwire, Jr. 2,180,785; Nov. 21.
Work locating and tool guiding means for keyway forming devices. H. E. Morton. 2,180,477; Nov. 21.
Wrench: *See*—
Adjustable wrench.
Writing instrument. H. K. Stempel. 2,180,560; Nov. 21.
Yarn, Dyeing package. H. S. Drum, W. C. Dodson, and W. H. Jaxheimer. 2,180,896; Nov. 21.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 21, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1—	2: 2,180,484	30—	261: 2,181,056	66—	24: 2,181,105	91—	68: Re.21,269	123—	149: 2,180,794	155—	177: 2,180,768
	3: 2,180,718	32—	2: 2,180,549		130: 2,180,571	92—	41: 2,180,554		169: 2,180,528		182: 2,180,690
	32: 2,180,438		27: 2,180,499		138: 2,180,708	93—	1: 2,180,338		2,180,779		198: 2,180,999
2—	30: 2,180,391		32: 2,180,673		2,180,709		2,180,433		174: 2,180,663	156—	17: 2,180,863
	31: 2,180,390	33—	1: 2,180,406		140: 2,180,707		3: 2,180,954		188: 2,180,347		2,181,101
	70: 2,180,970		89: 2,180,509		187: 2,180,593		2,180,966	125—	13: 2,180,743		39: 2,180,780
	97: 2,180,497		147: 2,180,591	67—	6.1: 2,180,616		8: 2,180,431	126—	4: 2,180,788	158—	28: 2,180,580
	116: 2,180,758		172: 2,181,077	70—	147: 2,180,371		47: 2,180,748		37: 2,180,459		2,180,675
	153: 2,180,861		174: 2,180,485		264: 2,180,819		93: 2,181,088		39: 2,180,563		2,180,443
	187: 2,181,106		184.6: 2,181,033		456: 2,180,717	94—	9: 2,180,339		2,180,645		2,180,444
	229: 2,180,346	34—	24: 2,180,968	72—	7: 2,180,739		18: 2,181,005		2,180,862		115: 2,180,789
	247: 2,180,914	35—	8: 2,180,653		19: Re.21,278		2,181,018		41: 2,180,868		120: 2,181,014
3—	6: 2,181,031	36—	14: 2,180,924		101: 2,180,969		48: 2,180,660		110: 2,180,532	161—	1: 2,180,740
4—	69: 2,180,585		36: 2,181,110		118: 2,180,651	95—	4.5: 2,180,417		191: 2,180,573		17: 2,180,906
	192: 2,180,790		55: 2,180,996	73—	51: 2,180,363		7: 2,180,335	128—	69: 2,180,775	164—	0.4: 2,180,693
	240: 2,181,017	37—	133: 2,180,658		2,180,608		8: 2,180,409		146: 2,181,026		18: 2,180,859
	252: 2,180,902	38—	78: 2,180,523		122: 2,180,354		9: Re.21,268		203: 2,180,631		42: 2,180,483
8—	7: 2,180,387	39—	39: 2,180,803		209: 2,181,075	97—	100: 2,180,618		267: 2,180,533		47: 2,180,556
	150: 2,180,562	40—	28: 2,181,021		277: 2,180,629		198.1: 2,180,910	129—	1: 2,180,892		63: 2,180,604
	155: 2,180,896		97: 2,181,104	74—	12: 2,180,511		208: 2,181,007		13: 2,180,973		65: 2,181,049
10—	101: 2,180,466		125: 2,180,670		50: 2,180,674	98—	40: 2,180,945		16: 2,180,490		68: 2,180,903
	139: 2,180,536		130: 2,180,754		100: 2,181,068	99—	48: 2,180,685		41: 2,180,833		84.5: 2,180,837
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	7: 2,180,381	41—	41.5: 2,181,111		230.17: 2,180,678		140: 2,180,932	131—	7: 2,180,370		13: 2,180,605
	17: 2,180,807	43—	19: 2,180,781		2,180,679		159: 2,180,750		94: 2,180,481		19: 2,180,935
	142: 2,180,385		28: 2,180,557		2,180,687		172: 2,180,465		2,180,669	167—	39: 2,180,744
13—	6: 2,181,030		42: 2,180,822		231: 2,181,001	100—	12: 2,181,019		124: 2,180,368		74: 2,180,905
15—	75: 2,180,408		2,180,918		242.16: 2,180,449		24: 2,180,852	132—	18: 2,180,834	169—	41: 2,180,461
	104.30: 2,180,437	45—	94: 2,180,630		268: 2,180,671		25: 2,181,060		19: 2,180,394	171—	95: 2,180,473
	158: 2,180,930	46—	9: 2,180,951		291: 2,180,474	101—	93: 2,180,446		31: 2,180,380		119: 2,180,413
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16—	180: 2,180,552		115: 2,180,340		333: Re.21,273		178: 2,180,782		38: 2,180,388		2,180,850
	191: 2,181,025		152: 2,181,024		389: 2,180,599		221: 2,180,440		73: 2,180,519		223: 2,180,700
18—	8: 2,181,052		216: 2,180,405		473: 2,180,579		378: 2,180,732		79: 2,180,404		229: 2,180,659
	33: 2,180,375	47—	28: 2,181,016		501: 2,180,442	102—	24: 2,180,667		91: 2,180,522		252: 2,180,983
19—	63: 2,181,091		62: PLPt.347		551.1: 2,180,617	103—	25: 2,180,400	134—	13: 2,180,971		324: 2,181,076
	65: 2,180,761	48—	87: 2,180,565		568: 2,180,766		38: 2,180,475		17.5: 2,180,341	172—	239: 2,180,503
20—	35: 2,180,886	49—	56: 2,180,767		604: 2,180,351		45: 2,180,366		23.9: 2,180,542		274: 2,180,998
21—	77: 2,180,967		81: 2,180,625	75—	20: 2,181,094		103: 2,180,401		2,180,543	173—	280: 2,180,350
22—	69.1: 2,180,577		89: 2,180,737		45: 2,181,096		125: 2,180,378		2,181,003		343: 2,180,662
	188: 2,180,897	51—	11: Re.21,275		76: 2,181,092		129: 2,180,851		26: 2,180,535		358: 2,181,050
	2,181,004		34: 2,180,911		95: 2,181,097		148: 2,180,818	135—	7.1: 2,180,480		361: 2,180,569
23—	19: 2,180,692		2,181,011		115: 2,180,961		161: 2,180,343	136—	90: 2,180,955		563: 2,180,923
	78: 2,180,382		48: 2,180,529		119: 2,180,520		180: 2,180,451		134: 2,180,463	174—	11: 2,180,425
	175: 2,180,727		80: 2,180,570		136: 2,180,984		181: 2,180,719		2,180,959		27: 2,180,722
	185: 2,180,755		124: 2,180,952	76—	62: 2,180,899		187: 2,180,864		136: 2,180,839		59: 2,180,575
	233: 2,180,345		184.3: 2,181,010	77—	3: 2,181,055		2,180,865	137—	21: 2,180,747		105: 2,180,731
	234: 2,180,353		209: 2,180,550	80—	18: 2,180,555	105—	190: 2,180,933		104: 2,180,844		115: 2,181,084
	239: 2,180,427		241: 2,180,640		35: 2,180,635		193: 2,180,900		139: 2,180,656	175—	21: 2,180,420
	250: 2,181,102	55—	83: 2,180,458	81—	64: 2,181,012		208.1: 2,180,492		152: 2,180,393		294: 2,180,990
	253: 2,180,847	56—	18: 2,180,595	83—	62: 2,181,000		222: 2,180,392		153: 2,180,828		312: 2,180,764
	254: 2,181,013		25: Re.21,274	84—	338: 2,180,784		253: 2,180,530		2,180,901		336: 2,180,705
24—	87: 2,181,071		40: 2,180,568		376: 2,180,684		375: 2,180,502	138—	61: 2,181,086		337: 2,180,583
	136: 2,180,866	57—	51: 2,180,792		383: 2,180,383		414: 2,180,494	139—	66: 2,180,777		345: 2,180,539
	178: 2,180,786	58—	125: 2,180,627	85—	2: 2,181,103		416: 2,180,450		124: 2,180,831		363: 2,180,487
	205: 2,180,928	60—	54.6: 2,180,454		45: 2,180,633		420: 2,180,799		2,180,832		2,180,991
	241: 2,180,534		2,180,455		49: 2,180,500	107—	49: 2,180,648		408: 2,180,770		376: 2,181,072
	243: 2,180,931		64: 2,180,843	87—	5: 2,181,087	108—	12: 2,180,904		420: 2,180,515	176—	16: 2,180,538
25	—22: 2,180,895	62—	5: 2,180,634		9: 2,180,697	109—	64: 2,180,997	140—	113: 2,180,979		24: 2,180,976
	118: 2,180,842		6: 2,180,479		2,180,698	110—	173: 2,180,797	141—	1: 2,180,947	177—	7: 2,180,881
	121: 2,180,422		16: 2,180,654		2,180,699	112—	62: 2,180,423	143—	43: 2,181,047		339: 2,180,688
	127: 2,180,810		89: 2,180,460	88—	2.2: 2,181,061		122: 2,180,424	146—	3: 2,180,877	178—	5.8: 2,180,944
	131.5: 2,180,964		91.5: 2,180,510		16.2: 2,180,639		218: 2,180,756		19: 2,180,647		6: 2,181,064
	156: 2,180,757		101: 2,180,624		18: 2,180,683		236: 2,180,696		55: 2,180,567		6.7: 2,180,397
26—	69: 2,180,745		102: 2,180,974		20: 2,180,652	113—	111: 2,180,919		195: 2,180,689		7.2: 2,180,946
28—	1: 2,180,436		115: 2,180,441		24: 2,180,638		118: 2,181,107	148—	8: 2,180,798		44: 2,180,950
	2,181,043		2,180,447		47: 2,180,820	115—	28: 2,180,890		16: 2,180,376	179—	1: 2,180,889
	70: 2,180,985		2,180,456		2,181,062	116—	39: 2,180,749		2,181,093		2: 2,180,498
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	90: 2,180,823		116: 2,180,472	89—	1: 2,180,751	120—	9: 2,180,560	152—	209: 2,180,649		26: 2,180,963
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	148.2: 2,180,992		2,180,915	90—	15: 2,181,027	121—	19: 2,180,564		2,181,020		100: 2,180,716
	149.5: 2,180,883		2,180,943		15.1: 2,180,771	122—	355: 2,180,907		54: 2,180,879		100.3: 2,180,972
	155.55: 2,180,921		122: 2,180,715		33: 2,180,817		479: 2,180,395	154—	2.6: 2,181,035		115.5: 2,180,482
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	159.03: 2,181,028		129: 2,180,467		62: 2,180,872		51: 2,180,898		40: 2,180,723		171: 2,180,957
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	43: 2,181,038	63—	1: 2,180,726		60: 2,180,586		148: 2,180,358	155—	58: 2,181,063		2,180,514
	228: 2,181,009		7: 2,180,980		63: 2,180,581		2,180,704		153: 2,180,426	180—	54: 2,180,592
	233: 2,180,457	65—	53: 2,180,540		67.2: 2,180,506		149: 2,180,546		161: 2,180,505		79.2: 2,180,430

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1939

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acrow (Engineers) Ltd., London, England. Engineering, architectural, and building contrivances. Serial No. 420,617; Nov. 28. Class 23.
All American Comics, Inc., New York, N. Y. Magazine publication. Serial No. 423,195; Nov. 28. Class 38.
American Exporting Service Company, New York, N. Y. Razor blades. Serial No. 421,957; Nov. 28. Class 23.
American Lead Pencil Company, Hoboken, N. J. Lead pencils. Serial No. 422,166; Nov. 28. Class 37.
American Musical Company, Philadelphia, Pa. Harmonica. Serial No. 422,193; Nov. 28. Class 36.
American Type Founders, Incorporated, Elizabeth, N. J. Printers' type. Serial No. 423,744; Nov. 28. Class 14.
Ames Redbook Daily Ratings, Chicago, Ill. Printed forms. Serial No. 423,874; Nov. 28. Class 38.
Aner, James J., doing business as T. F. L. Insects Company, Farmington, Mich. Insecticide. Serial No. 423,785; Nov. 28. Class 6.
Aperion, Inc., Boston, Mass. Soup crackers. Serial No. 390,983; Nov. 28. Class 46.
April, Abe, Fur Dyeing Corporation, New York, N. Y. Dyed fur skins. Serial No. 396,946; Nov. 28. Class 1.
Atlas Ball Company, Philadelphia, Pa. Metal balls used in bearings, valves, pigment grinding, etc. Serial Nos. 422,649–50; Nov. 28. Class 23.
Automatic Canteen Company of America, Chicago, Ill. Chocolate, candies, candy bars, etc. Serial No. 422,884; Nov. 28. Class 46.
Automatic Canteen Company of America, Chicago, Ill. Chocolate candies, candy bars, etc. Serial No. 422,887; Nov. 28. Class 46.
Ayerst, McKenna & Harrison (United States) Limited, Rouses Point, N. Y. Calcium and phosphorus preparation with vitamins A and D. Serial No. 423,788; Nov. 28. Class 6.
Baker, Stuart A., Chocolate Co. Inc., Toledo, Ohio. Ice-cream flavorings. Serial No. 422,803; Nov. 28. Class 46.
Bardstown Distillery, Inc., Bardstown, Ky. Whiskey. Serial No. 424,254; Nov. 28. Class 49.
Bartlett Manufacturing Corporation, Cameron, Wis. Compressed air engines. Serial No. 424,149; Nov. 28. Class 23.
Beautility Furniture Limited, London, England. Furniture. Serial No. 421,508; Nov. 28. Class 32.
Beck Vanilla Products Company, East St. Louis, Ill. Vanilla. Serial Nos. 421,064–5; Nov. 28. Class 46.
Beck Vanilla Products Company, East St. Louis, Ill. Vanilla. Serial No. 421,509; Nov. 28. Class 46.
Beck Vanilla Products Company, East St. Louis, Ill. Vanilla. Serial No. 421,794; Nov. 28. Class 46.
Bendixen Tobacco Company, Syracuse, N. Y. Tobacco. Serial No. 423,749; Nov. 28. Class 17.
Best & Co. Inc., New York, N. Y. Diaper bags. Serial No. 421,337; Nov. 28. Class 2.
Blackton-Fifth Avenue, Ltd., New York, N. Y. Brassières, corsets, and underwear. Serial No. 422,270; Nov. 28. Class 39.
Blum, D., & Co., Inc., New York, N. Y. Solvent for cleaning and removing stains from textile fabrics. Serial No. 423,489; Nov. 28. Class 4.
Bone Dry Fertilizer Company, Richmond, Va. Agricultural lime. Serial No. 424,154; Nov. 28. Class 10.
Bradley, Milton, Company, Springfield, Mass. Game. Serial No. 424,537; Nov. 28. Class 22.
Brooks, Barney, Shirt Co., New York, N. Y. Shirts, sports wear. Serial No. 423,520; Nov. 28. Class 39.
Brown & Sandelman Co., New York, N. Y. Dyed fur pelts. Serial Nos. 406,325–6; Nov. 28. Class 1.
Burlington Mills Incorporated, Burlington, Wis. Hair, wool, and jute felt products. Serial No. 423,625; Nov. 28. Class 50.
Busse, Lyman L., Lawrenceville, Ill. Dog food. Serial No. 423,967; Nov. 28. Class 46.
Butler Manufacturing Company, Kansas City, Mo. Dry cleaning apparatus. Serial No. 424,575; Nov. 28. Class 24.
Capitol Yeast Company. (See Varnum Yeast Company.)
Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 424,465–7; Nov. 28. Class 42.
Central Rice Mill. (See Simon, Theophas.)
Chicago Manufacturing and Distributing Company, Chicago, Ill. Lubricating oils and greases. Serial No. 423,256; Nov. 28. Class 15.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial No. 422,805; Nov. 28. Class 38.
Cinaudagraph Corporation, Stamford, Conn. Magnet parts formed by casting. Serial No. 423,257; Nov. 28. Class 21.
Classroom Laboratories, Inc., Chicago, Ill. Motion picture projectors. Serial No. 421,758; Nov. 28. Class 26.
Cleaver-Brooks Company, Milwaukee, Wis. Oil burning heaters. Serial No. 419,180; Nov. 28. Class 34.
Collegiate Manufacturing Company, Inc., New York, N. Y. Piece goods. Serial No. 424,577; Nov. 28. Class 42.
Compañía Industrial Flim Español, S. A., Valencia, Spain. Sensitized film. Serial No. 398,239; Nov. 28. Class 26.
Continental Mills, Inc., Philadelphia, Pa. Coats and suits, cloaks, etc. Serial No. 410,950; Nov. 28. Class 39.
Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lens blanks and lenses. Serial No. 416,314; Nov. 28. Class 26.
Cook, Harrison, doing business as Cook's Baking & Pretzel Company, Cleveland, Ohio. Prepared food product. Serial No. 423,159; Nov. 28. Class 46.
Copperweld Steel Company, Glassport, Pa. Ties for securing electrical conducting wire to insulators. Serial No. 419,794; Nov. 28. Class 21.
Curtain-Howe Corporation, New York, N. Y. Organic coating compositions. Serial No. 423,727; Nov. 28. Class 16.
Detroit Alloy Steel Company, Detroit, Mich. Alloy steel castings. Serial No. 421,731; Nov. 28. Class 14.
Detroit Oil Company, Detroit, Mich. Motor oil. Serial No. 423,850; Nov. 28. Class 15.
Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tubes. Serial No. 424,126; Nov. 28. Class 21.
Electric Railway Improvement Company, The, Cleveland, Ohio. Connectors and bonds for electrically connecting railway rails. Serial No. 424,001; Nov. 28. Class 21.
Emerson, Charles A., Dallas, Tex. Nose drops. Serial No. 422,813; Nov. 28. Class 6.
F. & N. Lawn Mower Company, The, Richmond, Ind. Lawn mowers and parts thereof. Serial Nos. 419,477–8; Nov. 28. Class 23.
Fair, The, Chicago, Ill. Men's and boys' clothing. Serial No. 423,526; Nov. 28. Class 39.
Famous-Barr Co. (See May Department Stores Company, The.)
Far-Wal Company, Chicago, Ill. Record cards and paper box containers, recording books, etc. Serial No. 423,293; Nov. 28. Class 37.
Federal Supply Company, Inc., Washington, D. C. Electrical flashlights and lanterns. Serial No. 424,165; Nov. 28. Class 21.
Fierst, Jay L., doing business as Jay-Eff Hosiery Co., New York, N. Y. Hosiery. Serial No. 423,020; Nov. 28. Class 39.
Flash Dog Food Co., Harbor City, Calif. Canned dog and cat food. Serial No. 424,542; Nov. 28. Class 46.
Fleetham, Hubert J., doing business as Hiawatha Products Company, Minneapolis, Minn. Tomato juice cocktails. Serial No. 424,037; Nov. 28. Class 46.
Florence Citrus Growers Association, Florence Villa, Fla. Fresh citrus fruits. Serial No. 424,082; Nov. 28. Class 46.
Frankly Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 419,756; Nov. 28. Class 42.
Friedman Dress Co., Inc., New York, N. Y. Dresses. Serial No. 423,879; Nov. 28. Class 39.
Funk Bros. Seed Co., Incorporated, Bloomington, Ill. Seed corn. Serial No 423,460; Nov. 28. Class 1.
Garrett & Company, Inc., Brooklyn, N. Y. Wines. Serial No. 423,418; Nov. 28. Class 47.
Gato, Eduardo H., Jr., Key West, Fla. Cigars. Serial Nos. 422,405–6; Nov. 28. Class 17.
Gehnrich Corporation, The, Long Island City, N. Y. Ovens, heaters, and drying equipment. Serial No. 418,437; Nov. 28. Class 34.
General Communication Company, Boston, Mass. Instrument for measuring the direction and velocity of the wind. Serial No. 423,211; Nov. 28. Class 26.
General Drug Company, New York, N. Y. Odoriferous and aromatic chemicals. Serial Nos. 421,075–81; Nov. 28. Class 6.
General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 424,083; Nov. 28. Class 46.
Germain Seed & Plant Company, Los Angeles, Calif. Processed paper used for plant covers. Serial No. 421,286; Nov. 28. Class 37.
General Tire & Rubber Company, The, Akron, Ohio. Camelback, a strip of unvulcanized rubber compound. Serial No. 410,257; Nov. 28. Class I.
Gilmore, Cecile, New York, N. Y. Printed paper napkins. Serial No. 416,508; Nov. 28. Class 37.
Gimbel Brothers, Inc., New York, N. Y. Trunks, valises, portfolios, etc. Serial No. 423,944; Nov. 28. Class 3.
Goldsmit-Black, Inc., Pittsburgh, Pa. Pipes. Serial No. 424,084; Nov. 28. Class 8.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Organic calcium and vitamin concentrate. Serial No. 419,190; Nov. 28. Class 6.
H-C Products Company, Detroit, Mich. Deodorizing cleaner and a sterilizing cleaner. Serial No. 396,535; Nov. 28. Class 4.
Hale Bros. Stores, Inc., San Francisco, Calif. Women's dresses. Serial No. 423,661; Nov. 28. Class 39.

Hammond Machinery Builders, Kalamazoo, Mich. Printing machinery. Serial No. 423,287; Nov. 28. Class 23.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Pencils. Serial No. 419,076; Nov. 28. Class 37.
Harmonic Reed Corporation, Philadelphia, Pa. Harmonicas and reeds therefor. Serial No. 422,932; Nov. 28. Class 36.
Harris, Laurenz, Chicago, Ill. Compound for the treatment of diseases of the mouth, gums, and teeth. Serial No. 423,057; Nov. 28. Class 6.
Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. Serial No. 424,006; Nov. 28. Class 39.
Hassenfeld Bros., Inc., Providence, R. I. Toy paint sets. Serial No. 424,004; Nov. 28. Class 22.
Hässler, Max, Buenos Aires, Argentina. Wall calendars. Serial No. 421,459; Nov. 28. Class 38.
Herman Body Company, The, St. Louis, Mo. Motor truck and trailer vehicles. Serial No. 422,898; Nov. 28. Class 19.
Hiawatha Products Company. (See Fleetham, Hubert J.)
Hooker Electrochemical Company, Niagara Falls, N. Y. Alphachlor naphthaline, aluminum chloride, ammonium benzoate, etc. Serial No. 422,974; Nov. 28. Class 6.
Hooper, Wm. E., & Sons Co., Baltimore, Md. Waterproof canvas piece goods, dyed. Serial No. 423,600; Nov. 28. Class 50.
Horwitz, Albert, doing business as International Import Company, El Paso, Tex. Salted pumpkin seeds. Serial No. 421,086; Nov. 28. Class 46.
Hudson Handkerchief Co., Inc., Newark, N. J. Handkerchiefs. Serial No. 422,819; Nov. 28. Class 39.
Hussmann-Ligonier Company, St. Louis, Mo. Refrigerator display cases. Serial No. 424,043; Nov. 28. Class 31.
Hygrade Sylvania Corporation, Salem, Mass. Fluorescent tubing for electric discharge lamps. Serial No. 424,303; Nov. 28. Class 21.
Illinois Meat Company, Chicago, Ill. Canned pork loaf. Serial No. 423,169; Nov. 28. Class 46.
Indian Head Products Co. (See Tripi, F. C., Co. Inc.)
International Cellucotton Products Company, Chicago, Ill. Deodorant for men. Serial No. 423,759; Nov. 28. Class 6.
International Import Company. (See Horwitz, Albert.)
International Latex Corporation, Dover, Del. Baby pants and diaper covers. Serial No. 422,249; Nov. 28. Class 39.
Inter-State Grove Properties, Inc., Tampa, Fla. Fresh citrus fruits. Serial No. 424,089; Nov. 28. Class 46.
J. & L. Paper Products Co., Inc., Albany, N. Y. Dog and cat food. Serial No. 424,090; Nov. 28. Class 46.
Jamesen Chemical Corp., Brooklyn, N. Y. Bleaching and deodorizing preparation. Serial No. 423,214; Nov. 28. Class 6.
Jay-Eff Hosiery Co. (See Fierst, Jay L.)
Kilborn-Sauer Company, The, Fairfield, Conn. Automobile light brackets, rear view mirrors, and mounting brackets therefor, etc. Serial No. 423,763; Nov. 28. Class 19.
La Compagnie Pharmaceutique Desburgers, Montreal, Quebec, Canada. Chemical compounds. Serial No. 424,009; Nov. 28. Class 6.
Lance, Incorporated, Charlotte, N. C. Peanut butter sandwiches. Serial No. 424,093; Nov. 28. Class 46.
Lansburgh & Bro., Washington, D. C. Boudoir slippers. Serial No. 423,815; Nov. 28. Class 39.
Lavanburg, Fred L., Company, Inc., Brooklyn, N. Y. Toners and lakes for use in paint enamels, etc. Serial No. 422,136; Nov. 28. Class 16.
Lavino, E. J., and Company, Philadelphia, Pa. Expansion plates for basic furnace construction. Serial No. 423,668; Nov. 28. Class 12.
Leindorf, Joseph P., doing business as Nature's Wonderland, New York, N. Y. Foods for fish. Serial No. 423,917; Nov. 28. Class 46.
Lelong, Lucien, Inc., Chicago, Ill. Lipsticks. Serial No. 423,889; Nov. 28. Class 6.
Leonard, Gerome, doing business as Gerome Leonard Company, New York, N. Y. Wool and rayon mixture goods in the piece. Serial No. 423,734; Nov. 28. Class 42.
Leroux and Company, Inc., Philadelphia, Pa. Rock and rye. Serial No. 424,483; Nov. 28. Class 49.
Linco Products Corporation, Chicago, Ill. Cleanser. Serial No. 423,690; Nov. 28. Class 4.
Linsk, Joseph, Philadelphia, Pa. Children's dresses. Serial No. 423,470; Nov. 28. Class 39.
Livesey, Edwin V., Fall River, Mass. Facial creams and cosmetics. Serial No. 417,340; Nov. 28. Class 6.
London & Co., Inc., Elizabeth, N. J. All grain alcohol. Serial No. 423,569; Nov. 28. Class 49.
Lowe, Joe, Corporation, New York, N. Y. Frozen confectionery products. Serial No. 424,235; Nov. 28. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Automatic doughnut forming and cooking machines. Serial No. 424,236; Nov. 28. Class 23.
Lustberg, Nast & Co., Inc., New York, N. Y. Outer garments. Serial No. 423,603; Nov. 28. Class 39.
Mall Tool Company, Chicago, Ill. Portable power tools. Serial No. 412,349; Nov. 28. Class 21.
Marshall-Wells Company, Duluth, Minn. Ice skates, hockey sticks, and pucks. Serial No. 423,892; Nov. 28. Class 22.
Marx, Louis, & Company, Inc., New York, N. Y. Miniature toy piano. Serial No. 424,048; Nov. 28. Class 22.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., doing business as Famous-Barr Co., St. Louis, Mo. Dresses, jackets, skirts, etc. Serial No. 423,955; Nov. 28. Class 39.
Mayer, Richard, New York, N. Y. Smoker's combination set. Serial No. 423,979; Nov. 28. Class 8.
McFalls, Jesse L., doing business as Nan-C-Ets Co., St. Louis, Mo. Food supplement and mineral tonic for animals. Serial No. 423,224; Nov. 28. Class 46.
Miles Shoes, Inc., New York, N. Y. Shoes, slippers, and boots, etc. Serial No. 423,673; Nov. 28. Class 39.
Miller, James, Manufacturing Company, Inc., Malden, Mass. Dielectric material. Serial No. 420,423; Nov. 28. Class 21.
Millville Manufacturing Company, The, Philadelphia, Pa. Cambrics. Serial No. 423,819; Nov. 28. Class 42.
Moore Fabric Company, Pawtucket, R. I. Elastic yarn. Serial No. 423,921; Nov. 28. Class 43.
Mueller, L. J., Furnace Company, Milwaukee, Wis. Automatic gas control pressure regulating valves for heating apparatus. Serial No. 421,574; Nov. 28. Class 13.
Nan-C-Ets-Co. (See McFall, Jesse L.)
National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Brooms, whisk brooms, scrubbing brushes, etc. Serial No. 423,634; Nov. 28. Class 29.
National Lock Co., Rockford, Ill. Stove, refrigerator, and furniture trim and hinges. Serial No. 423,822; Nov. 28. Class 13.
Nature's Wonderland. (See Leindorf, Joseph P.)
Newberry, J. J., Company, New York, N. Y. Sanitary napkins and elastic webbing supports for sanitary napkins. Serial No. 424,491; Nov. 28. Class 44.
New York Mercantile Company, The, St. Louis, Mo. Men's hats. Serial No. 423,774; Nov. 28. Class 39.
North American Rayon Corporation, New York, N. Y. Piece goods. Serial No. 423,827; Nov. 28. Class 42.
Nydin, Alf C., doing business as Nydin Publications, Seattle, Wash. Periodical. Serial No. 423,984; Nov. 28. Class 38.
Osborn, Andrew, doing business as Union Products Company, Detroit, Mich. Medicinal herb tea. Serial No. 423,436; Nov. 28. Class 6.
Pando, Jacinto M., Mexico, D. F., Mexico. Perfumes, face powders, creams for the skin, etc. Serial No. 422,408; Nov. 28. Class 6.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 424,523; Nov. 28. Class 22.
Peper, Christian, Tobacco Company, St. Louis, Mo. Smoking tobacco. Serial No. 422,972; Nov. 28. Class 17.
Pepperell Manufacturing Company, Boston, Mass. Blankets and blanket cloth. Serial No. 424,492; Nov. 28. Class 42.
Peter, Bud J., Santa Rosa, Calif. Beverages and syrups for making same. Serial No. 424,277; Nov. 28. Class 45.
Preservaline Manufacturing Co., The, Brooklyn, N. Y. Meat curing salts and liquids. Serial No. 423,739; Nov. 28. Class 6.
Rachelson, Sam, doing business as Southern Merchandise Company, Atlanta, Ga. Razor blades. Serial No. 424,313; Nov. 28. Class 23.
Reed & Prince Manufacturing Company, Worcester, Mass. Screws, bolts, nuts, etc. Serial No. 422,017; Nov. 28. Class 13.
Reis, Robert, & Co., New York, N. Y. Wearing apparel and furnishings. Serial Nos. 423,895–6; Nov. 28. Class 39.
Reliance Varnish Company, Inc., Louisville, Ky. Stains, varnishes, lacquers, etc. Serial No. 412,365; Nov. 28. Class 16.
Reynolds & Reynolds Company, The, Dayton, Ohio. Accounting forms. Serial No. 407,284; Nov. 28. Class 37.
Rice Growers Association of California, Sacramento, Calif. Rice. Serial No. 423,314; Nov. 28. Class 46.
Rig Company, The. (See Guy, Ralph I.)
Rockville Motor Accessories, Inc., New York, N. Y. Clutch controlled brake holding locks for automotive vehicles. Serial No. 387,476; Nov. 28. Class 19.
Rodes-Rapier Co., Inc., Louisville, Ky. Hats and shoes. Serial No. 398,062; Nov. 28. Class 39.
Ross, Alfred, New York, N. Y. Hosiery. Serial No. 412,873; Nov. 28. Class 39.
Rubin, Samuel, New York, N. Y. Mouth wash. Serial No. 423,233; Nov. 28. Class 6.
Sawyer, Rosa O., South Norfolk, Va. Hair dressing. Serial No. 423,116; Nov. 28. Class 6.
Severson, Martin, Galesville, Wis. Seed corn and other field seeds. Serial No. 423,898; Nov. 28. Class 1.
Shane, C. B., Corporation, Chicago, Ill. Overcoats and topcoats. Serial No. 423,835; Nov. 28. Class 39.
Simmons Hardware Company, St. Louis, Mo. Casting lines. Serial No. 424,526; Nov. 28. Class 22.
Simon, Theophas, doing business as Central Rice Mill, Crowley, La. Rice. Serial No. 423,836; Nov. 28. Class 46.
Slough, Glen S., Harrisburg, Pa. Base metal cooking and table hollowware. Serial No. 421,465; Nov. 28. Class 13.
Smith, H. A. & E., Limited, Hamilton, Bermuda. Perfumes and toilet waters. Serial No. 423,837; Nov. 28. Class 6.
Southern Merchandise Company. (See Rachelson, Sam.)

Spiegel, Incorporated, Chicago, Ill. Saws, wrenches, hammers, etc. Serial No. 424,104; Nov. 28. Class 23.
Sports Vogue Inc., New York, N. Y. Dresses, skirts, blouses, etc. Serial No. 416,484; Nov. 28. Class 39.
Squibb, E. R., & Sons, New York, N. Y. Local anesthetics. Serial No. 423,612; Nov. 28. Class 6.
Squirrel Brand Co., Cambridge, Mass. Candies. Serial No. 417,186; Nov. 28. Class 46.
Steber Manufacturing Co., Chicago, Ill. Electric lighting fixtures. Serial No. 424,212; Nov. 28. Class 21.
Stein, Joseph, Coats, Inc., New York, N. Y. Ladies' and misses' coats, suits. Serial No. 414,279; Nov. 28. Class 39.
Stirn, L. & E., Inc., New York, N. Y. Fabrics in the piece. Serial No. 424,143; Nov. 28. Class 42.
Stowe-Woodward, Inc., Newton and Newton Upper Falls, Mass. Bowling balls. Serial No. 421,266; Nov. 28. Class 22.
Sullivan Manufacturing Co. Inc., North Syracuse, N. Y. Paper napkins. Serial No. 423,988; Nov. 28. Class 37.
Sumi-Citrus Products Company, Haines City, Fla. Dried citrus pulp. Serial No. 420,659; Nov. 28. Class 46.
Superior Porcelain Company, Parkersburg, W. Va. Electric porcelain insulators. Serial No. 403,480; Nov. 28. Class 21.
Superior Sheet Steel Company, The, Canton, Ohio. Galvanized steel sheets. Serial No. 424,068; Nov. 28. Class 14.
Swift and Company, Chicago, Ill. Canned pork. Serial No. 424,373; Nov. 28. Class 46.
Sword, James, & Son, Limited, Glasgow, Scotland. Whisky. Serial Nos. 422,637–8; Nov. 28. Class 49.
T. F. L. Insects Company. (See Aner, James J.)
Taylor, K., Distilling Co., Incorporated, Frankfort, Ky. Whisky. Serial No. 424,567; Nov. 28. Class 49.
Tayton Company, Kansas City, Mo. Compacts, creams, powders, etc. Serial No. 423,241; Nov. 28. Class 6.
Tecton Products, New York, N. Y. Vaginal suppository. Serial No. 423,615; Nov. 28. Class 6.
Terre Haute Brewing Company, Inc., Terre Haute, Ind. Beer. Serial No. 424,214; Nov. 28. Class 48.
Tremco Manufacturing Company, The, Cleveland, Ohio. Column published in a monthly publication. Serial No. 421,214; Nov. 28. Class 38.
Tripi, F. C., Co. Inc., doing business as Indian Head Products Co., Buffalo, N. Y. Canned fruits, canned vegetables, and tomato juice. Serial No. 410,711; Nov. 28. Class 46.
Triple E Products, Inc., New York, N. Y. Products for improving the combustion of fuels and the elimination or the reduction of waste products, soot, etc. Serial No. 422,721; Nov. 28. Class 6.
Union Nurseries & Company, Ltd., Los Angeles, Calif. Flowers and plants. Serial No. 422,838; Nov. 28. Class 1.
Union Products Company. (See Osborn, Andrew.)
Van Ameringen-Haebler, Inc., New York, N. Y. Beverages and artificial flavors for the manufacture of carbonated beverages. Serial No. 423,685; Nov. 28. Class 45.
Varnum Yeast Company, doing business as Capitol Yeast Company, West Brookfield, Mass. Yeast. Serial No. 415,274; Nov. 28. Class 46.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Hosiery. Serial No. 423,900; Nov. 28. Class 39.
White, Robert C., Falls of Schuylkill, Philadelphia, Pa. Sugar-coated white compressed medicinal tablets. Serial No. 422,764; Nov. 28. Class 6.
Windsor Products Corporation, Detroit, Mich. Board game. Serial No. 424,016; Nov. 28. Class 22.
Youngstown Sheet & Tube Company, The, Youngstown, Ohio. Ferrous bars, rods, and wire. Serial No. 424,284; Nov. 28. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

Abel Bros. & Co. Inc., New York, N. Y. Rings, brooches, bar-pins, and lavallières. 130,025; renewed Apr. 6, 1940.
Albert, Lisa, doing business as L. Albert Co., New York, N. Y. Cotton floor covering. 373,251; Nov. 28. Class 42.
Allegheny Ludlum Steel Corporation, Brackenridge and Pittsburgh, Pa. Metals and metal alloys and articles made therefrom. 373,126; Nov. 28; Serial No. 416,357; published Sept. 19, 1939. Class 14.
American Mutual Liability Insurance Co., Boston, Mass. Periodical. 373,129; Nov. 28; Serial No. 416,828; published Sept. 12, 1939. Class 38.
American Radiator Company, New York, N. Y. Heating units and for humidifiers. 373,107; Nov. 28; Serial No. 401,171; published Sept. 19, 1939. Class 34.
American Type Founders, Incorporated, Elizabeth, N. J. Printers type. 373,274; Nov. 28. Class 14.
Armour and Company, Chicago, Ill. Meat and cheese loaf. 373,181; Nov. 28; Serial No. 420,928; published Sept. 12, 1939. Class 46.
Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 373,108; Nov. 28; Serial No. 406,273; published Sept. 19, 1939. Class 19.
Artic Roofings, Inc., Edge Moor, Del. Roll roofing. 373,197; Nov. 28; Serial No. 421,470; published Sept. 12, 1939. Class 12.
Ashcraft, C. S., Manufacturing Corporation, Long Island City, N. Y. Electric arc lamps, and parts thereof, and power sources and supplies therefor. 373,215; Nov. 28; Serial No. 421,958; published Sept. 19, 1939. Class 21.
Associated General Contractors of America, Inc., The, Washington, D. C. Periodical magazines, pamphlets, printed manuals, etc. 373,159; Nov. 28; Serial No. 420,129; published Sept. 19, 1939. Class 38.
Ault & Wiborg Corporation, Cincinnati, Ohio, and New York, N. Y. Paints, varnishes, and paint enamels. 373,210; Nov. 28; Serial No. 421,836; published Sept. 19, 1939. Class 16.
Auto Specialties Manufacturing Company, St. Joseph, Mo. Tool kits. 373,155; Nov. 28; Serial No. 419,905; published Sept. 19, 1939. Class 23.
Autopoint Company. (See Keeran, Charles R., assignor.)
Bankers Supply Co., The, Denver, Colo., and Chicago, Ill., assignor, by mesne assignments, to The Todd Company, Inc., Rochester, N. Y. Safety-paper. 128,299; renewed Jan. 9, 1940.
Bastian-Blessing Company, The, Chicago, Ill. Cutting and welding torches and parts thereof. 130,151; renewed Apr. 13, 1940.
Bay State Milling Co., Winona, Minn. Bulletin. 373,206; Nov. 28; Serial No. 421,757; published Sept. 19, 1939. Class 38.
Beacon, Inc., The, Hyannis, Mass. Canned bouillebaise, clam chowder, and fish chowder. 373,122; Nov. 28; Serial No. 415,759; published Sept. 19, 1939. Class 46.
Best & Co. Inc., New York, N. Y. Pads, bedspreads, quilts, etc. 373,194; Nov. 28; Serial No. 421,338; published Sept. 19, 1939. Class 42.
Blatchford Calf Meal Company, Waukegan, Ill. Feeds. 128,632; renewed Jan. 13, 1940.
Blind-X Company, Minneapolis, Minn. Cleaner for venetian blinds, etc. 373,112; Nov. 28; Serial No. 410,679; published Sept. 19, 1939. Class 4.
Blue Seal Extract Co., Cambridge, Mass. Beverages, and sirups and extracts for making the same. 373,277; Nov. 28. Class 45.
Botany Worsted Mills, Passaic, N. J. Woolen and worsted fabrics. 373,160; Nov. 28; Serial No. 420,203; published Sept. 19, 1939. Class 42.
Bowerston Shale Company, The, Bowerston, Ohio. Drain tiles, building blocks, filter blocks, etc. 373,266; Nov. 28. Class 12.
Bradford Bros., Inc., Placentia, Calif. Fresh citrus fruit. 373,226; Nov. 28; Serial No. 422,167; published Sept. 19. 1939. Class 46.
Brown Durrell Co., New York, N. Y., and Boston, Mass. Hosiery. 373,105; Nov. 28; Serial No. 394,163; published Sept. 5, 1939. Class 39.
Bryant Electric Company, The, Bridgeport, Conn. Scoops, cookie cutters, and spoons. 373,176; Nov. 28; Serial No. 420,803; published Sept. 19, 1939. Class 23.
Butt, H. E., Grocery Company, Harlingen, Tex. Canned fruits and vegetables, bread, tea, etc. 373,130; Nov. 28; Serial No. 416,945; published Sept. 19, 1939. Class 46.
Canova Foods Incorporated, Memphis, Tenn. Tea and coffee. 373,124; Nov. 28; Serial No. 415,976; published Sept. 19, 1939. Class 46.
Carter, Henry B., Pittsburgh, Pa. Electric vacuum-cleaners. 127,350; renewed Nov. 11, 1939.
Chilvers, Ellaline W. (See Whitcomb, Georgiana M., assignor.)
Chocolaterie Jacques Société Anonyme, Verviers and Eupen, Belgium. Candy, biscuits, bread, etc. 373,147; Nov. 28; Serial No. 419,369; published Sept. 19, 1939. Class 46.
Clairol, Inc., New York, N. Y. Preparation for use in connection with the bleaching of hair. 373,178; Nov. 28; Serial No. 420,893; published Sept. 19, 1939. Class 6.
Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps. 129,651; renewed Mar. 9, 1940.
Collins, Ashton B., Birmingham, Ala. Circulars, booklets, and printed advertising material. 373,158; Nov. 28; Serial No. 420,092; published Sept. 12, 1939. Class 38.
Continental Baking Company, New York, N. Y. Scripts for a series of commercial radio broadcasts. 373,261; Nov. 28. Class 38.
Cox, Amy, doing business as Snap Shot Shop, Rochester, N. Y. Photographs. 373,264; Nov. 28. Class 38.
Cox, Irwin W., assignor, by mesne assignments, to The S. O. S. Company, Chicago, Ill. Cleaner and polish. 128,961; renewed Jan. 20, 1940.
Crown Can Company, Philadelphia, Pa. Canned corn. 373,193; Nov. 28; Serial No. 421,303; published Sept. 12, 1939. Class 46.

Crown Can Company, Philadelphia, Pa. Canned corn. 373,207; Nov. 28; Serial No. 421,765; published Sept. 19, 1939. Class 46.

Cuba-Py-A Products, Inc., New York, N. Y. Beverage, and sirup and extract for making the same. 373,278; Nov. 28. Class 45.

Currick & Leiken Co. Inc., New York, N. Y. Sport jackets, sport suits, slacks, etc. 373,272; Nov. 28. Class 39.

Curtis, Thomas J., Los Angeles, Calif. Electrotherapeutic device. 373,156; Nov. 28; Serial No. 419,909; published Sept. 19, 1939. Class 44.

Dayton Rubber Mfg. Company, The, Dayton, Ohio. Loom supplies. 373,257; Nov. 28. Class 23.

Dismuke, Ed. E., assignor to Famous Mineral Wells Water Co., Mineral Wells, Tex. Mineral water. 127,599; renewed Nov. 18, 1939.

Donaldson, J. S., Inc., New York, N. Y. Piece goods. 373,182; Nov. 28; Serial No. 420,943; published Sept. 19, 1939. Class 42.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. 373,258; Nov. 28. Class 12.

Drake, L. F., Mercedes, Tex. Canned citrus fruit juices, Fresh citrus fruits, and fresh vegetables. 373,268; Nov. 28. Class 46.

Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla. Lubricating oils and greases. 373,150; Nov. 28; Serial No. 419,661; published Sept. 19, 1939. Class 15.

Dutchess Underwear Corporation, New York, N. Y. Underwear, pajamas, nightgowns, etc. 373,244; Nov. 28. Class 39.

Ekstrand & Tholand, Inc., New York, N. Y. High carbon spring wire. 373,146; Nov. 28; Serial No. 419,295; published Sept. 19, 1939. Class 14.

Fairbanks Beauty Supply Company, Salt Lake City, Utah. Electric control in hair waving operations. 373,118; Nov. 28; Serial No. 413,863; published Sept. 19, 1939. Class 26.

Famous Mineral Wells Water Co. (See Dismuke, Ed. E., assignor.)

Fleming Specialty Company, Roanoke, Va. Baby chicks. 373,117; Nov. 28; Serial No. 412,278; published Sept. 19, 1939. Class 46.

Fox Publications, Inc., New York, N. Y. Periodical publication. 373,187; Nov. 28; Serial No. 421,033; published Sept. 12, 1939. Class 38.

Frailey, William O., & Son, Lancaster, Pa., assignor, by mesne assignments, to International Laboratories, Inc., Rochester, N. Y. Tonic and digestive system-cleaner. 127,833; renewed Dec. 9, 1939.

Freeman, Incorporated, Chicago, Ill. Inserts for identifying or marking strips for marking or identifying food products. 373,110; Nov. 28; Serial No. 409,351; published Sept. 12, 1939. Class 38.

Gallagher, Bernard. (See Parmoline Co., The.)

General Insulating & Mfg. Co., Alexandria, Ind. Insulation. 373,243; Nov. 28. Class 12.

General Mills, Inc., Minneapolis, Minn. Feeds. 373,119; Nov. 28; Serial No. 414,562; published Sept. 12, 1939. Class 46.

General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 373,236; Nov. 28; Serial No. 422,471; published Sept. 19, 1939. Class 35.

Gets-It, Inc. (See Lawrence, E., & Co., assignor.)

Gimbel Brothers, Inc., New York, N. Y. Brandy. 373,241; Nov. 28. Class 49.

Globe Distributing Company, The, Baltimore, Md. Wines. 373,179; Nov. 28; Serial No. 420,905; published Sept. 19, 1939. Class 47.

Good Brothers, Inc., Philadelphia, Pa. Horse radish with white distilled vinegar. 373,208; Nov. 28; Serial No. 421,773; published Sept. 12, 1939. Class 46.

Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. 373,175; Nov. 28; Serial No. 420,759; published Sept. 19, 1939. Class 21.

Gordon, Le Roy, Beauty Salon, Hollywood, Calif. Machineless permanent waving pads. 373,227; Nov. 28; Serial No. 422,175; published Sept. 19, 1939. Class 44.

Graef & Schmidt, Inc., New York, N. Y. Knives. 373,188; Nov. 28; Serial No. 421,083; published Sept. 19, 1939. Class 23.

Gruen Watch Company, The, Time Hill, Cincinnati, Ohio. Bracelets. 373,116; Nov. 28; Serial No. 412,092; published Jan. 31, 1939. Class 28.

Guth, Edwin F., Company, The, St. Louis, Mo. Electric lighting fixtures. 373,212; Nov. 28; Serial No. 421,877; published Sept. 19, 1939. Class 21.

Hammerstein, Theodore J., New York, N. Y. Periodical continuities and program skits. 373,240; Nov. 28. Class 38.

Harris, Claude E., Jennings Lodge, Oreg. Writing paper, envelopes, postcards, and greeting cards. 373,151; Nov. 28; Serial No. 419,666; published Sept. 19, 1939. Class 37.

Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. 373,250; Nov. 28. Class 39.

Hartmann Trunk Company, Racine, Wis. Trunks. 130,068; renewed Apr. 6, 1940.

Hefley, Chas., doing business as Chas. Hefley Popcorn Products, Los Angeles, Calif. Buttered popped popcorn. 373,163; Nov. 28; Serial No. 420,373; published Sept. 5, 1939. Class 46.

Herbrand Co., The, assignor to The Herbrand Corporation, Fremont, Ohio. Wrenches, screw-drivers, and hammers. 130,511; renewed Apr. 27, 1940.

Hermetite Corporation, Nutley, N. J. Lacquers and lacquers in colors. 373,195; Nov. 28; Serial No. 421,381; published Sept. 19, 1939. Class 16.

Holliday, Roy M., Chicago, Ill. Magnifying glass. 373,263; Nov. 28. Class 26.

Hollywood Services, Incorporated, Chicago, Ill. Bread. 373,270; Nov. 28. Class 46.

Hydraulic Press Manufacturing Company, The, Mount Gilead, Ohio. Hydraulic presses, injection molding machines, etc. 373,144; Nov. 28; Serial No. 418,778; published Sept. 19, 1939. Class 23.

Ideal Novelty & Toy Company, Long Island City, N. Y. Musical game. 373,230; Nov. 28; Serial No. 422,285; published Sept. 19, 1939. Class 22.

International Harvester Company, Chicago, Ill. Cultivator shovels. 373,249; Nov. 28. Class 23.

International Laboratories, Inc. (See Frailey, William O., & Son, assignor.)

International Safety Razor Corporation, Bloomfield, N. J. Razor blades. 373,216; Nov. 28; Serial No. 421,970; published Sept. 19, 1939. Class 23.

Iowa Soap Company, Burlington, Iowa. Toilet soap. 373,269; Nov. 28. Class 4.

Iroquois Beverage Corporation, Buffalo, N. Y. Beer and ale. 373,113; Nov. 28; Serial No. 411,167; published Sept. 19, 1939. Class 48.

Irwin Auger Bit Company, The, Wilmington, Ohio. Auger bits. 373,152; Nov. 28; Serial No. 419,669; published Sept. 19, 1939. Class 23.

Jackich, Joe L., Bend, Oreg. Swimming, bathing, and floating devices. 373,213; Nov. 28; Serial No. 421,938; published Sept. 19, 1939. Class 22.

Jelenko, J. F., & Co. Inc., New York, N. Y. Gold solder. 373,239; Nov. 28. Class 44.

Jessop, Morris K., Akron, Ohio. Candy bars. 373,247; Nov. 28. Class 46.

Juilliard, A. D., & Co., Inc. (See New York Mills Corporation, assignor.)

Kaplan Furniture Company, Cambridge, Mass. Tables. 373,233; Nov. 28; Serial No. 422,409; published Sept. 19, 1939. Class 32.

Karpen, S., & Bros., Chicago, Ill. Mattresses, box springs, sofas, and chairs. 373,231; Nov. 28; Serial No. 422,286; published Sept. 19, 1939. Class 32.

Katzinger, Edward, Company, The, Chicago, Ill. Kitchen and household tools and utensils. 373,114; Nov. 28; Serial No. 411,226; published Sept. 19, 1939. Class 23.

Keeran, Charles R., assignor to Keeran Products Company, assignor, by mesne assignments, to Autopoint Company, Chicago, Ill. Pencils and leads therefor. 125,149; renewed Apr. 15, 1939.

Kelly Brothers Company, Minneapolis, Minn. Gin. 373,220; Nov. 28; Serial No. 422,097; published Sept. 19, 1939. Class 49.

Klesier, Frederick J., New York, N. Y. Series of publications, magazine articles, etc. 373,132; Nov. 28; Serial No. 417,223; published Sept. 12, 1939. Class 38.

Kress, S. H., and Company, New York, N. Y. Tea spoons, table spoons, dessert spoons, etc. 373,262; Nov. 28. Class 28.

Kubatzky, Otto, doing business as Winco Ventilator Co., St. Louis, Mo. Ventilators. 373,165; Nov. 28; Serial No. 420,459; published Sept. 19, 1939. Class 34.

Kyed, Johannes C. C., Nordfyn, Beldringe, Fyn, Denmark. Blue cheese. 373,184–5; Nov. 28; Serial Nos. 420,999–421,000; published Sept. 19, 1939. Class 46.

Lager, Max, doing business as Regal Lamp Shade Company, New York, N. Y. Lamps. 373,217; Nov. 28; Serial No. 421,974; published Sept. 19, 1939. Class 21.

Laucks, I. F., Inc., Seattle, Wash. Plywood, insulating board, and wall board. 373,164; Nov. 28; Serial No. 420,419; published Aug. 29, 1939. Class 12.

Lawrence, E., & Co., assignor to Gets-It, Inc., Chicago, Ill. Remedy for corns, callouses, warts, etc. 129,490; renewed Feb. 24, 1940.

Lawther, W. J., Mills, Dallas, Tex. Poultry feed. 373,209; Nov. 28; Serial No. 421,780; published Sept. 12, 1939. Class 46.

Lee, D. C., Inc., Thonotosassa, Fla. Fresh citrus fruits. 373,221–2; Nov. 28; Serial Nos. 422,098–9; published Sept. 19, 1939. Class 46.

Lehn & Fink, Inc., New York, N. Y., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J. Cold-cream. 129,491; renewed Feb. 24, 1940.

Le Master, H. A., Bradley, Ill. Artificial bait and/or fish lures. 373,255; Nov. 28. Class 22.

Lindex Co., The. (See Rennisburgh, Cedric L.)

Loeser, Julius, & Co., Inc., Chicago, Ill. Whiskey. 373,228; Nov. 28; Serial No. 422,253; published Sept. 19, 1939. Class 49.

Logansport Machine, Inc., Logansport, Ind. Fluid operating machines. 373,149; Nov. 28; Serial No. 419,618; published Sept. 19, 1939. Class 23.

Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton and rayon piece goods. 373,252; Nov. 28. Class 42.

Lummus Company, The, New York, N. Y. Chemical and petroleum distillation and refinery apparatus. 373,267; Nov. 28. Class 34.

Macpherson & Company, assignor to H. C. Macpherson, San Francisco, Calif. Whiskey. 373,191; Nov. 28; Serial No. 421,190; published Sept. 19, 1939. Class 49.

Marshall Field & Company, Chicago, Ill. Rugs. 373,161; Nov. 28; Serial No. 420,366; published Sept. 12, 1939. Class 42.

Marshall Field & Company, Chicago, Ill. Rugs. 373,162; Nov. 28; Serial No. 420,367; published Sept. 19, 1939. Class 42.

Martinat, Henry F., Valdese, N. C. Men's hosiery. 373,275; Nov. 28. Class 39.

Massera, Al, Watsonville, Calif. Fresh vegetables. 373,232; Nov. 28; Serial No. 422,339; published Sept. 19, 1939. Class 46.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Gin. 373,102; Nov. 28; Serial No. 370,190; published Nov. 19, 1935. Class 49.

Midland Optical Company. (See New Era Optical Company.)

Morand Bros. Beverage Co., Chicago, Ill. Whisky. 373,201; Nov. 28; Serial No. 421,709; published Sept. 19, 1939. Class 49.

Morgan, John C., Company, Inc., Traverse City, Mich. Canned fruits, pectin, jellies, etc. 373,103; Nov. 28; Serial No. 371,223; published Sept. 19, 1939. Class 46.

Na-Mac Products Corporation, Los Angeles, Calif. Tableware with metal dispensing closures. 373,123; Nov. 28; Serial No. 415,959; published Sept. 19, 1939. Class 13.

Naolek Company, Herrin, Ill. Plates to be placed in the heels of shoes for possible therapeutic effect. 373,223; Nov. 28; Serial No. 422,100; published Sept. 19, 1939. Class 44.

Nashua Manuf. Company, Nashua, N. H., to Nashua Manufacturing Company, Nashua, N. H., and Boston, Mass. Cotton blankets. 129,800; renewed Mar. 9, 1940.

National Lock Co., Rockford, Ill. Casters and sash pulleys. 373,276; Nov. 28. Class 13.

National Publishing Company, Philadelphia, Pa. Loose-leaf binders. 373,204; Nov. 28; Serial No. 421,743; published Sept. 19, 1939. Class 37.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Hosiery. 373,253–4; Nov. 28. Class 39.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware, and tableware. 373,248; Nov. 28. Class 28.

National Transportation Association, Inc., The, New York, N. Y. Monthly publication. 373,214; Nov. 28; Serial No. 421,943; published Sept. 19, 1939. Class 38.

New Era Optical Company, also doing business as Midland Optical Company, Chicago, Ill. Sun glasses. 373,259; Nov. 28. Class 26.

New Warsaw Bakery Co. Inc., New York, N. Y. Cake. 373,183; Nov. 28; Serial No. 420,964; published Sept. 19, 1939. Class 46.

New York Mills Corporation, New York Mills, assignor to A. D. Juilliard & Co., Inc., New York, N. Y. Corduroy. 127,459; renewed Nov. 11, 1939.

New York Mills Corporation, New York Mills, assignor to A. D. Juilliard & Co., Inc., New York, N. Y. Uncoated fabrics, cotton piece goods. 127,974; renewed Dec. 16, 1939.

Nieves, J. R., & Cia, Arroyo, P. R. Rum. 373,237; Nov. 28; Serial No. 422,516; published Sept. 19, 1939. Class 49.

Noll, William H., Fort Wayne, Ind. Antiseptic, disinfecting, and deodorizing tablets. 129,516; renewed Feb. 24, 1940.

Norcross, New York, N. Y. Greeting cards. 373,200; Nov. 28; Serial No. 421,614; published Sept. 19, 1939. Class 38.

Nutrena Mills, Inc., Kansas City, Kans. Animal feeds. 373,153; Nov. 28; Serial No. 419,743; published Sept. 12, 1939. Class 46.

Oxford Products Co., Beverly Hills, Calif. Kit containing a variety of materials for photographic plates and prints. 373,166; Nov. 28; Serial No. 420,496; published Sept. 19, 1939. Class 26.

Paintsaver Corp., The, New York, N. Y. Waterproofing composition. 373,169; Nov. 28; Serial No. 420,685; published Sept. 19, 1939. Class 16.

Parmoline Co., The, to Bernard Gallagher, doing business as The Parmoline Company, Richmond, Va., successor. Hair-tonic. 128,814; renewed Jan. 13, 1940.

Peavey, F. H., & Company, Minneapolis, doing business as Thief River Falls Seed House, Thief River Falls, Minn. Wheat flour, farina, graham flour, etc. 373,189; Nov. 28; Serial No. 421,157; published Sept. 19, 1939. Class 46.

Pellegrino, Gustave, doing business as Rumo-Digest Mfg. Co., New York, N. Y. Acid neutralizer preparation. 373,134; Nov. 28; Serial No. 417,624; published July 4, 1939. Class 6.

Pennsylvania Distilling Company, Inc., Logansport, Pa. Whiskey and distilled London dry gin. 373,198; Nov. 28; Serial No. 421,530; published Sept. 19, 1939. Class 49.

Phoenix-Hermetic Co., Chicago, Ill., now by change of name to Phoenix Metal Cap Company, Inc. Metal caps for jars or bottles. 128,818; renewed Jan. 13, 1940.

Photoswitch Incorporated, Cambridge, Mass. Electric apparatus. 373,141; Nov. 28; Serial No. 417,889; published Sept. 19, 1939. Class 21.

Pork Skin Chips Company, Inc., Dallas, Tex. Fried hog skins. 373,192; Nov. 28; Serial No. 421,253; published Sept. 19, 1939. Class 46.

Quick, Bryce W., Baltimore, Md. Chemical heating appliance. 373,111; Nov. 28; Serial No. 410,520; published Sept. 19, 1939. Class 44.

Rector Well Equipment Co., Inc., Fort Worth, Tex. Oil well devices. 373,245; Nov. 28. Class 23.

Rector Equipment Co., Inc., Fort Worth, Tex. Liquid thread fillers and sealing compounds. 373,246; Nov. 28. Class 12.

Reed Street Neighborhood House, Philadelphia, Pa. Periodical. 373,154; Nov. 28; Serial No. 419,770; published Sept. 19, 1939. Class 38.

Regal Lamp Shade Company. (See Lager, Max.)

Reliance Manufacturing Company, doing business as The Sterling Company, Chicago, Ill. Dresses and pajamas. 373,238; Nov. 28. Class 39.

Remington Rand Inc., Buffalo, N. Y. Visible indexes, loose leaf binders, etc. 373,202; Nov. 28; Serial No. 421,713; published Sept. 19, 1939. Class 37.

Rennisburgh, Cedric L., doing business as The Lindex Co., Linden, N. J. Hand cleanser and a shaving cream. 373,106; Nov. 28; Serial No. 396,166; published Sept. 19, 1939. Class 4.

Reynolds Electric Company, Chicago, Ill. Electric fans. 373,180; Nov. 28; Serial No. 420,915; published Sept. 19, 1939. Class 21.

Riverdale Manufacturing Co., Inc., New York, N. Y. Piece goods. 373,109; Nov. 28; Serial No. 408,166; published Sept. 19, 1939. Class 42.

Roach, W. R., & Co., Hart, to W. R. Roach & Company, Grand Rapids, Mich. Canned vegetables. 128,258; renewed Dec. 30, 1939.

Roach, W. R., & Co., Hart, to W. R. Roach & Company, Grand Rapids, Mich. Canned fruit and vegetables. 128,259; renewed Dec. 30, 1939.

Roach, W. R., & Co., Hart, to W. R. Roach & Company, Grand Rapids, Mich. Canned peas. 128,260; renewed Dec. 30, 1939.

Ruberoid Co., The. (See Safepack Mills, assignor.)

Rumo-Digest Mfg. Co. (See Pellegrino, Gustave.)

S. O. S. Company, The. (See Cox, Irwin W., assignor.)

Sackrete Inc., doing business as Sakrete Inc., Cincinnati, Ohio. Sacks of concrete. 373,104; Nov. 28; Serial No. 382,178; published Sept. 5, 1939. Class 12.

Safepack Mills, Boston, Mass., assignor, by mesne assignments, to The Ruberoid Co., Bound Brook, N. J., and New York, N. Y. Composition roofing and shingles. 130,401; renewed Apr. 20, 1940.

St. Louis Music Supply Company, St. Louis, Mo. Guitars, mandolins, tenor banjos, etc. 373,242; Nov. 28. Class 36.

Sakrete Inc. (See Sackrete Inc.)

Saipirstein, Jacob, Cleveland, Ohio. Greeting cards. 373,265; Nov. 28. Class 38.

Scanlan, John M., New York, N. Y. Puzzles. 373,133; Nov. 28; Serial No. 417,236; published Sept. 19, 1939. Class 22.

Sims & Durham Company, Birmingham, Ala. Patching plaster. 373,199; Nov. 28; Serial No. 421,585; published Sept. 12, 1939. Class 12.

Skilsaw, Inc., Chicago, Ill. Portable sanding machines. 373,218; Nov. 28; Serial No. 422,022; published Sept. 19, 1939. Class 23.

Smidth, F. L., & Co., New York, N. Y. Air quenching coolers. 373,190; Nov. 28; Serial No. 421,164; published Sept. 19, 1939. Class 34.

Snap Shot Shop. (See Cox, Amy.)

Southern Sportswear Company, The, Austin, Tex. Magazine. 373,219; Nov. 28; Serial No. 422,023; published Sept. 19, 1939. Class 38.

Spaulding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. 373,229; Nov. 28; Serial No. 422,261; published Sept. 19, 1939. Class 22.

Spear & Susskind, Providence, R. I. Watch chains, tie chains, key chains, etc. 373,271; Nov. 28. Class 28.

Standard Lime and Stone Company, The, Baltimore, Md. Tap hole cement or mixture. 373,128; Nov. 28; Serial No. 416,707; published May 2, 1939. Class 12.

Standard Lime and Stone Company, The, Baltimore, Md. Refractory material. 373,260; Nov. 28. Class 12.

Standard Scientific Supply Corp., New York, N. Y. Laboratory apparatus and appliances. 373,168; Nov. 28; Serial No. 420,603; published Sept. 19, 1939. Class 26.

Sterling Company, The. (See Reliance Manufacturing Company.)

Story & Clark Piano Company, Chicago, Ill. Pianos, piano-players, and organs. 130,119; renewed Apr. 6, 1940.

Sugs, Inc., Belleville, Ill. Sugar-coated nuts. 373,157; Nov. 28; Serial No. 420,030; published Sept. 19, 1939. Class 46.

Superior Sleeprite Corporation, Chicago, Ill. Chairs and the like upholstered furniture. 373,225; Nov. 28; Serial No. 422,160; published Sept. 19, 1939. Class 32.

Supplee-Biddle Hardware Co., Philadelphia, Pa. Printed publications. 373,224; Nov. 28; Serial No. 422,114; published Sept. 19, 1939. Class 38.

Swift and Company, Chicago, Ill. Pot roast of beef. 373,174; Nov. 28; Serial No. 420,731; published Sept. 19, 1939. Class 46.

Taylor Wine Company, The, Hammondsport, N. Y. Wines. 373,135–7; Nov. 28; Serial Nos. 417,662–4; published Sept. 19, 1939. Class 47.

Taylor Wine Company, The, Hammondsport, N. Y. Wines. 373,138–40; Nov. 28; Serial Nos. 417,667–9; published Sept. 19, 1939. Class 47.

Taylor Wine Company, The, Hammondsport, N. Y. Wines. 373,142; Nov. 28; Serial No. 418,074; published Sept. 19, 1939. Class 47.

Terry Candy Company, Inc., Elizabeth, N. J. Candies. 373,145; Nov. 28; Serial No. 418,904; published Sept. 19, 1939. Class 46.

Thief River Falls Seed House. (See Peavey, F. H., & Company.)

Thoma, Arthur J., Springfield, Mass. Periodical. 373,196; Nov. 28; Serial No. 421,401; published Sept. 12, 1939. Class 38.

Todd Company, Inc., The. (See Bankers Supply Co., The, assignor.)

Tru-Bristle Brush Co., Seattle, Wash. Toothbrushes and parts thereof. 373,148; Nov. 28; Serial No. 419,532; published Sept. 19, 1939. Class 29.

Trull, Walter E., Boston, Mass. Vehicle tires. 373,205; Nov. 28; Serial No. 421,752; published Sept. 19, 1939. Class 35.

United Buyers Corporation, Chicago, Ill. Jar rings. 373,167; Nov. 28; Serial No. 420,550; published Sept. 19, 1939. Class 35.

United Cigar-Whelan Stores Corporation, New York, N. Y. Fever thermometers. 373,143; Nov. 28; Serial No. 418,462; published Sept. 19, 1939. Class 44.

United Cigar-Whelan Stores Corporation, New York, N. Y. Men's toiletries. 373,256; Nov. 28. Class 6.

Vacolite Company, Dallas, Tex. Electrical hearing devices. 373,234; Nov. 28; Serial No. 422,429; published Sept. 19, 1939. Class 44.

Vacolite Company, Dallas, Tex. Electrical hearing devices. 373,235; Nov. 28; Serial No. 422,431; published Sept. 19, 1939. Class 44.

Vadsco Sales Corporation, Long Island City, N. Y. Face cream, analgesic balm, headache and neuralgia preparations, etc. 373,131; Nov. 28; Serial No. 417,150; published Aug. 1, 1939. Class 6.

Walker, Hiram, & Sons Inc., Peoria, Ill. Anisette. 373,203; Nov. 28; Serial No. 421,719; published Sept. 19, 1939. Class 49.

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 373,211; Nov. 28; Serial No. 421,868; published Sept. 19, 1939. Class 49.

Wall Washing Machines, Inc., Conshohocken, Pa. Machine for cleaning walls. 373,170; Nov. 28; Serial No. 420,704; published Sept. 19, 1939. Class 23.

Wall Washing Machines, Inc., Conshohocken, Pa. Compound for cleaning painted surfaces. 373,171; Nov. 28; Serial No. 420,705; published Sept. 19, 1939. Class 4.

Westin, Arthur H., doing business as Westin House Contracting Co., Chicago, Ill. Sacked stucco refinishing construction material. 373,121; Nov. 28; Serial No. 414,810; published Sept. 19, 1939. Class 12.

Weston, Duncan, & Company Limited, London, England. Whisky. 373,127; Nov. 28; Serial No. 416,645; published Sept. 19, 1939. Class 49.

Whitcomb, Georgiana M., assignor to Ellaline W. Chilvers, New York, N. Y. Laxative. 126,806; renewed Sept. 30, 1939.

Whitcomb, Georgiana M., assignor to Ellaline W. Chilvers, New York, N. Y. Medicinal preparation. 127,162; renewed Oct. 21, 1939.

Whiting Paper Company, Holyoke, Mass. Fine writing-paper. 130,443; renewed Apr. 20, 1940.

Whiting Paper Company, Holyoke, Mass. Paper and mailing-envelops. 130,444; renewed Apr. 20, 1940.

Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. 373,186; Nov. 28; Serial No. 412,017; published July 11, 1939. Class 21.

Wills, Child H., Detroit, Mich. Razor blades. 373,120; Nov. 28; Serial No. 414,761; published Sept. 12, 1939. Class 23.

Winco Ventilator Co. (See Kubatzky, Otto.)

Winnebago Cheese Company, Fon du Lac, Wis. Cheese. 373,177; Nov. 28; Serial No. 420,837; published Sept. 19, 1939. Class 46.

Wish Manufacturing Company, The. (See Wishny, Milton.)

Wishny, Milton, doing business as The Wish Manufacturing Company, Los Angeles, Calif. Electrically illuminated house numbers. 373,115; Nov. 28; Serial No. 411,980; published Sept. 19, 1939. Class 21.

Worthington Oil Refiners, Inc., Arlington, Va. Lubricating oil. 373,125; Nov. 28; Serial No. 416,087; published Sept. 12, 1939. Class 15.

Yakima Valley Spray Company, Yakima, Wash. Fertilizers. 373,273; Nov. 28. Class 10.

Yates, William, and Sons, Limited, Manchester, England. Piece goods. 373,172–3; Nov. 28; Serial Nos. 420,706–7; published Sept. 19, 1939. Class 42.

LIST OF REGISTRANTS OF LABELS

Bengué, Inc., Union City, N. J. Baume Bengue. For Analgesic Balm. 53,940; Nov. 28.

Bengué, Inc., Union City, N. J. Children's Baume Bengué. For an Anodyne and Counterirritant Balm. 53,941; Nov. 28.

Comfort Paper Corporation, San Francisco, Calif. Facial Quality Tissue. For an All-Purpose Facial Quality Tissue for the Bathroom. 53,942; Nov. 28.

Comfort Paper Corporation, San Francisco, Calif. Zee Heavy Weight Waxed Paper. For Waxed Paper. 53,943; Nov. 28.

Diamond T Preserving Co., Los Angeles, Calif. Diamond-T Brand. For Jams. 53,944; Nov. 28.

Ellena Bros., Etiwanda, Calif. Vineyard Belle. For a California Sparkling Wine. 53,945; Nov. 28.

Fleischmann, E. M., Distilling Corp., Lansdowne, Md. Dog House. For Straight Rye Whiskey. 53,946; Nov. 28.

Frigid-H-Air Permanent Wave Corp., New York, N. Y. Frigid-H-Air. For Pads. 53,947; Nov. 28.

Greiner, C. A., doing business as Gulf Packing Company, New Orleans, La. Davy Jones. For Canned Shrimp. 53,948; Nov. 28.

Guarantee Exterminating Co., New York, N. Y. America's Pied Piper. For Exterminators. 53,949; Nov. 28.

Gulf Packing Company. (See Greiner, C. A.)

Hall, Martin L., Company, Boston, Mass. Victor The Ripe Coffee. For Coffee. 53,950; Nov. 28.

Hazard Lead Works, Inc., The, Brooklyn, N. Y. Haz-A-Wear Suction Wall Paper Sizing. For a Sizing for Wall Paper, Linerustra, Burlap, etc. 53,951; Nov. 28.

Hung's Food Products Inc., Boston, Mass. Hung's Chic-Chow Egg Noodles. For Egg Noodles. 53,952; Nov. 28.

Kemp, E. F., Inc., Sommerville, Mass. Peanut Brittle. For Peanut Brittle. 53,953; Nov. 28.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Country Club Quality Brand Peeled Nectarine Halves. For Canned Nectarines. 53,954; Nov. 28.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Country Club Quality Brand Fancy Whole Spiced Seedless Grapes. For Canned Seedless Grapes. 53,955; Nov. 28.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Country Club Quality Brand Fancy Whole Spiced Yellow Cling Peaches. For Canned Peaches. 53,956; Nov. 28.

Markwell Mfg. Co., Inc., New York, N. Y. Markwell 10,000 RX Staples. For Staples. 53,957; Nov. 28.

Markwell Mfg. Co., Inc., New York, N. Y. Markwell 1000 RX Staples. For Staples. 53,958; Nov. 28.

Menasha Products Company, Menasha, Wis. Meadowview Butter. For Butter. 53,959; Nov. 28.

Meyer, Frank C., Co. Inc., New York, N. Y. Cannon. For Shoes. 53,960; Nov. 28.

Meyer, Frank C., Co. Inc., New York, N. Y. Rich's. For Footwear. 53,961; Nov. 28.

Minnesota Valley Canning Company, Le Seuer, Minn. Azalea. For Canned Peas. 53,962; Nov. 28.

Northern Paper Mills, Green Bay, Wis. Gauze. For Tissue, (A Type of Toilet Paper). 53,963; Nov. 28.

Paysee, Robert B., Chicago, Ill. Mary Ann Specialized Kitchen Cutlery Set. For Kitchen Knives. 53,964; Nov. 28.

Pellegrini Bros. Winery, San Francisco, Calif. Casa Pellegrini. For Wines. 53,965; Nov. 28.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Ingleside. For Sugar Cane Syrup. 53,966; Nov. 28.

Penick & Ford, Ltd. Incorporated, New York, N. Y. My-T-Fine. For Lemon Pie Filling. 53,967; Nov. 28.

Pfeiffer, S. Mfg. Co., St. Louis, Mo. Hy-Geen Astringent Powder. For Astringent Powder. 53,968; Nov. 28.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Maxine Mouth Wash. For Mouth Wash. 53,969; Nov. 28.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Dent-A-Geen Mouth Wash. For Mouth Wash. 53,970; Nov. 28.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Dent-A-Geen. For Powder for False Teeth. 53,971; Nov. 28.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Pfeiffer's Iodine Antiseptic. For Iodine Antiseptic. 53,972; Nov. 28.

Thompson, Meta, Gulfport, Miss. Meta Thompson's "Key to Bald Pate". For a Tonic for Falling Hair and Baldness. 53,973; Nov. 28.

United Public Markets, Inc., Providence, R. I. Bonnie For Tomato Catsup. 53,974; Nov. 28.

Ward Baking Company, New York, N. Y. Butterfly Rolls. For Rolls. 53,975; Nov. 28.

West Chemical Company, The, Kansas City, Mo. West's Spic. For an All Purpose Cleaner. 53,976; Nov. 28.

Yale Filing Supply Co., Los Angeles, Calif. Yale Filing Supply Co. For Filing Folders. 53,977; Nov. 28.

LIST OF REGISTRANTS OF PRINTS

Adlerika Company, The, St. Paul, Minn. Adler-I-Ka. For a Carminative Evacuant. 17,704; Nov. 28.

Beener, William C., San Antonio, Tex. Orange Ana. For an Orange Drink. 17,705; Nov. 28.

Believe It or Not, Inc., Mamaroneck, N. Y. Believe It or Not—Donkey Discovers a Mine. For Coal. 17,706; Nov. 28.

Believe It or Not, Inc., Mamaroneck, N. Y. Believe It or Not—Home Sweet Home the Author Never Had a Home. For Coal. 17,707; Nov. 28.

Believe It or Not, Inc., Mamaroneck, N. Y. Believe It or Not—Lived in Three Centuries. For Coal. 17,708; Nov. 28.

Believe It or Not, Inc., Mamaroneck, N. Y. Believe It or Not—Richest Man Who Ever Lived. For Coal. 17,709; Nov. 28.

Believe It or Not, Inc., Mamaroneck, N. Y. Believe It or Not—The Cruise of the Dead. For Coal. 17,710; Nov. 28.

Bengue, Inc., Union City, N. J. Children's Mild Baume Bengué. For Analgesic Balm. 17,711; Nov. 28.

Bernstein, Leo, doing business as United Blade Sales Co., Chicago, Ill. Win $1000 Weekly Pick 8 Horses and Win $1000. For Razor Blades. 17,712; Nov. 28.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Charming Rooms Begin on the Floor! For Plie Fabric Floor Coverings. 17,713; Nov. 28.

Borden Company, The, New York, N. Y. "For Pretty Teeth All in a Row". For Vitamin D Milk. 17,714; Nov. 28.

Borden Co., The, New York, N. Y. Spicey, Old-Time Mince Meat Pie. For Mince Meat. 17,715; Nov. 28.

Drewrys Limited U. S. A., Inc., South Bend, Ind. Going to Town . . . In a Big Way! For Beer. 17,716; Nov. 28.

Ford Motor Company, Dearborn, Mich. Ford Tractor. For Tractors and Wheelless Implements. 17,717; Nov. 28.

General Mills, Inc., Minneapolis, Minn. Accept this $1.00 Value Roast Meat Thermometer. For Flour. 17,718; Nov. 28.

General Mills, Inc., Minneapolis, Minn. Football Training's a Cinch. For a Cereal Food. 17,719; Nov. 28.

General Mills, Inc., Minneapolis, Minn. "Automatic" Jack Manders Boots the Bears to a League Championship. For a Cereal Food. 17,720; Nov. 28.

Greiner, Otto R., Co., Newark, N. J. A New Improved All Glass Reflux Regulator for Laboratory Fractionating Columns. For Reflux Regulators for Laboratory Fractionating Columns. 17,721; Nov. 28.

Ludwig Mfg. Co., Racine, Wis. Ludwig Fasteners for Storm Windows and Screens. For Spring Tension Fasteners for Storm Windows and Screens. 17,722; Nov. 28.

McCullough, J. Chas., Seed Co., The, Cincinnati, Ohio. Acme Seeds Best on Earth. For Seeds. 17,723; Nov. 28.

Musebeck Shoe Company, Danville, Ill. When Your Feet Hurt! Ordinary Shoes are Wrong for Your Feet! Foot Comfort! The Health Spot Way. For Shoes. 17,724; Nov. 28.

Parker Pen Company, The, Janesville, Wis. Parker Guaranteed-For-Life Vacumatic. For Fountain Pens, Mechanical Pencils, and Ink. 17,725; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Label Law Bartlett Pears. For Labels. 17,726; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Label Law Country Style Whole Kernel Corn. For Labels. 17,727; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Label Law Freestone Peaches. For Labels. 17,728; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Label Law Fruit Cocktail. For Labels. 17,729; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Label Law Small Whole Beets. For Labels. 17,730; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Label Law Small Peas. For Labels. 17,731; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Label Law Sweet Variety Small Peas. For Labels. 17,732; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Label Law Whole Beets. For Labels. 17,733; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Label Law Whole Kernel Corn. For Labels. 17,734; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Legal Halved Apricots. For Labels. 17,735; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Legal Loganberries. For Labels. 17,736; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Legal Red Raspberries. For Labels. 17,737; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Legal Royal Anne Cherries. For Labels. 17,738; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Legal Strawberries. For Labels. 17,739; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. Legal Whole Peeled Apricots. For Labels. 17,740; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. New Law Apricots. For Labels. 17,741; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. New Law Bartlett Pears. For Labels. 17,742; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. New Law Freestone Peaches. For Labels. 17,743; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. New Law Kadota Figs. For Labels. 17,744; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. New Law Peeled Tomatoes. For Labels. 17,745; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. New Law Sliced Freestone Peaches in Syrup. For Labels. 17,746; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. New Law Spinach. For Labels. 17,747; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. New Law Yellow Cling Peaches. For Labels. 17,748; Nov. 28.

Schmidt Lithograph Company, San Francisco, Calif. New Law Golden Bantam Corn. For Labels. 17,749; Nov. 28.

United Blade Sales Co. (See Bernstein, Leo.)

Ziv, Frederick W., Inc., Cincinnati, Ohio. Announcing—New . . . Improved Your Bread Here. For Bread. 17,750; Nov. 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 3

Trunks. Hartmann Trunk Company. 130,068; renewed Apr. 6, 1940.

CLASS 4

Cleaner for venetian blinds, etc. Blind-X Company. 373,112; Nov. 28; Serial No. 410,679; published Sept. 19, 1939.

Cleanser and a shaving cream, Hand. C. L. Rennieburgh. 373,106; Nov. 28; Serial No. 396,166; published Sept. 19, 1939.

Cleanser and polish. I. W. Cox. 128,961; renewed Jan. 20, 1940.

Compound for cleaning painted surfaces. Wall Washing Machines, Inc. 373,171; Nov. 28; Serial No. 420,705; published Sept. 19, 1939.

Soap, Toilet. Iowa Soap Company. 373,269; Nov. 28.

Soaps. Colgate & Co. 129,651; renewed Mar. 9, 1940.

CLASS 6

Acid neutralizer preparation. G. Pellegrino. 373,134; Nov. 28; Serial No. 417,624; published July 4, 1939.

Antiseptic, disinfecting, and deodorizing tablets. W. H. Noll. 129,516; renewed Feb. 24, 1940.

Cream, analgesic balm, headache, and neuralgia preparations, etc., Face. Vadsco Sales Corporation. 373,131; Nov. 28; Serial No. 417,150; published Aug. 1, 1939.

Cream, Cold. Lehn & Fink, Inc. 129,491; renewed Feb. 24, 1940.

Hair-tonic. Parmoline Co. 128,814; renewed Jan. 13, 1940.

Laxative. G. M. Whitcomb. 126,806; renewed Sept. 30, 1939.

Medicinal preparation. G. M. Whitcomb. 127,162; renewed Oct. 21, 1939.

Preparation for use in connection with the bleaching of hair. Clairol, Inc. 373,178; Nov. 28; Serial No. 420,893; published Sept. 19, 1939.

Remedy for corns, callouses, warts, etc. E. Lawrence & Co. 129,490; renewed Feb. 24, 1940.

Toiletries, Men's. United Cigar-Whelan Stores Corporation. 373,256; Nov. 28.

Tonic and digestive system-cleaner. William O. Frailey & Son. 127,833; renewed Dec. 9, 1939.

CLASS 10

Fertilizers. Yakima Valley Spray Company. 373,273; Nov. 28.

CLASS 12

Cement or mixture, Tap hole. Standard Lime and Stone Company. 373,128; Nov. 28; Serial No. 416,707; published May 2, 1939.

Concrete, Sacks of. Sackrete Inc. 373,104; Nov. 28; Serial No. 382,178; published Sept. 5, 1939.

Fillers and sealing compounds, Liquid thread. Rector Well Equipment Co. 373,246; Nov. 28.
Insulation. General Insulating & Mfg. Co. 373,243; Nov. 28.
Plaster, Patching. Sims & Durham Company. 373,199; Nov. 28; Serial No. 421,585; published Sept. 12, 1939.
Plywood. Douglas Fir Plywood Association. 373,258; Nov. 28.
Plywood, insulating board, and wall board. I. F. Laucks, Inc. 373,164; Nov. 28; Serial No. 420,419; published Aug. 29, 1939.
Refractory material. Standard Lime and Stone Company. 373,260; Nov. 28.
Roofing and shingles. Safepack Mills. 130,401; renewed Apr. 20, 1940.
Roofing, Roll. Artic Roofings, Inc. 373,197; Nov. 28; Serial No. 421,470; published Sept. 12, 1939.
Stucco refinishing construction material, Sacked. A. H. Westin. 373,121; Nov. 28; Serial No. 414,810; published Sept. 19, 1939.
Tiles, building blocks, filter blocks, etc., Drain. Bowerston Shale Company. 373,266; Nov. 28.

CLASS 13

Casters and sash pulleys. National Lock Co. 373,276; Nov. 28.
Tableware with metal dispensing closures. Na-Mac Products Corporation. 373,123; Nov. 28; Serial No. 415,959; published Sept. 19, 1939.

CLASS 14

Metals and metal alloys and articles made therefrom. Allegheny Ludlum Steel Corporation. 373,126; Nov. 28; Serial No. 416,357; published Sept. 19, 1939.
Type, Printers. American Type Founders, Incorporated. 373,274; Nov. 28.
Wire, High carbon spring. Ekstrand & Tholand, Inc. 373,146; Nov. 28; Serial No. 419,295; published Sept. 19, 1939.

CLASS 15

Oil, Lubricating. Worthington Oil Refiners, Inc. 373,125; Nov. 28; Serial No. 416,087; published Sept. 12, 1939.
Oils and greases, Lubricating. Dryer, Clark & Dryer Oil Company. 373,150; Nov. 28; Serial No. 419,661; published Sept. 19, 1939.

CLASS 16

Lacquers and lacquers in colors. Hermetite Corporation. 373,195; Nov. 28; Serial No. 421,381; published Sept. 19, 1939.
Paints, varnishes, and paint enamels. Ault & Wiborg Corporation. 373,210; Nov. 28; Serial No. 421,836; published Sept. 19, 1939.
Waterproofing composition. Paintsaver Corp. 373,169; Nov. 28; Serial No. 420,685; published Sept. 19, 1939.

CLASS 19

Bicycles. Arnold, Schwinn & Co. 373,108; Nov. 28; Serial No. 406,273; published Sept. 19, 1939.

CLASS 21

Batteries and parts thereof, Storage. Willard Storage Battery Company. 373,186; Nov. 28; Serial No. 412,017; published July 11, 1939.
Electric apparatus. Photoswitch Incorporated. 373,141; Nov. 28; Serial No. 417,889; published Sept. 19, 1939.
Fans, Electric. Reynolds Electric Company. 373,180; Nov. 28; Serial No. 420,915; published Sept. 19, 1939.
Illuminated house numbers, Electrically. M. Wishny. 373,115; Nov. 28; Serial No. 411,980; published Sept. 19, 1939.
Lamps. M. Lager. 373,217; Nov. 28; Serial No. 421,974; published Sept. 19, 1939.
Lamps, and parts thereof, and power sources and supplies therefor, Electric arc. C. S. Ashcraft Manufacturing Corporation. 373,215; Nov. 28; Serial No. 421,958; published Sept. 19, 1939.
Lighting fixtures, Electric. Edwin F. Guth Company. 373,212; Nov. 28; Serial No. 421,877; published Sept. 19, 1939.
Lighting fixtures, Unitary electric. Goodrich Electric Company. 373,175; Nov. 28; Serial No. 420,759; published Sept. 19, 1939.
Vacuum-cleaners, Electric. H. B. Carter. 127,350; renewed Nov. 11, 1939.

CLASS 22

Bait and/or fish lures, Artificial. H. A. Le Master. 373,255; Nov. 28.
Game, Musical. Ideal Novelty & Toy Company. 373,230; Nov. 28; Serial No. 422,285; published Sept. 19, 1939.
Golf clubs. A. G. Spaulding & Bros. Inc. 373,229; Nov. 28; Serial No. 422,261; published Sept. 19, 1939.
Puzzles. J. M. Scanlan. 373,133; Nov. 28; Serial No. 417,236; published Sept. 19, 1939.
Swimming, bathing, and floating devices. J. L. Jackich. 373,213; Nov. 28; Serial No. 421,938; published Sept. 19, 1939.

CLASS 23

Bits, Auger. Irwin Auger Bit Company. 373,152; Nov. 28; Serial No. 419,669; published Sept. 19, 1939.
Fluid operating machines. Logansport Machine, Inc. 373,149; Nov. 28; Serial No. 419,618; published Sept. 19, 1939.
Knives. Graef & Schmidt, Inc. 373,188; Nov. 28; Serial No. 421,083; published Sept. 19, 1939.
Loom supplies. Dayton Rubber Mfg. Company. 373,257; Nov. 28.
Machine for cleaning walls. Wall Washing Machines, Inc. 373,170; Nov. 28; Serial No. 420,704; published Sept. 19, 1939.
Oil well devices. Rector Well Equipment Co. 373,245; Nov. 28.
Presses, injection molding machines, etc., Hydraulic. Hydraulic Press Manufacturing Company. 373,144; Nov. 28; Serial No. 418,778; published Sept. 19, 1939.
Razor blades. International Safety Razor Corporation. 373,216; Nov. 28; Serial No. 421,970; published Sept. 19, 1939.
Razor blades. C. H. Wills. 373,120; Nov. 28; Serial No. 414,761; published Sept. 19, 1939.
Sanding machines, Portable. Skilsaw, Inc. 373,218; Nov. 28; Serial No. 422,022; published Sept. 19, 1939.
Scoops, cookie cutters, and spoons. Bryant Electric Company. 373,176; Nov. 28; Serial No. 420,803; published Sept. 19, 1939.
Shovels, Cultivator. International Harvester Company. 373,249; Nov. 28.
Tool kits. Auto Specialties Manufacturing Company. 373,155; Nov. 28; Serial No. 419,905; published Sept. 19, 1939.
Tools and utensils, Kitchen and household. Edward Katzinger Company. 373,114; Nov. 28; Serial No. 411,226; published Sept. 19, 1939.
Wrenches, screw-drivers, and hammers. Herbrand Co. 130,511; renewed Apr. 27, 1940.

CLASS 26

Control in hair waving operations, Electric. Fairbanks Beauty Supply Company. 373,118; Nov. 28; Serial No. 413,863; published Sept. 19, 1939.
Glasses, Sun. New Era Optical Company. 373,259; Nov. 28.
Kit containing a variety of materials for photographic plates and prints. Oxford Products Co. 373,166; Nov. 28; Serial No. 420,496; published Sept. 19, 1939.
Laboratory apparatus and appliances. Standard Scientific Supply Corp. 373,168; Nov. 28; Serial No. 420,603; published Sept. 19, 1939.
Magnifying glass. R. M. Holliday. 373,263; Nov. 28.

CLASS 28

Bracelets. Gruen Watch Company. 373,116; Nov. 28; Serial No. 412,092; published Jan. 31, 1939.
Chains, tie chains, key chains, etc., Watch. Spear & Susskind. 373,271; Nov. 28.
Flatware, hollow ware, and tableware, Sterling silver and silver plated. National Silver Company. 373,248; Nov. 28.
Rings, brooches, bar-pins, and lavallières. Abel Bros. & Co. Inc. 130,025; renewed Apr. 6, 1940.
Spoons, table spoons, dessert spoons, etc., Tea. S. H. Kress and Company. 373,262; Nov. 28.

CLASS 29

Toothbrushes and parts thereof. Tru-Bristle Brush Co. 373,148; Nov. 28; Serial No. 419,532; published Sept. 19, 1939.

CLASS 32

Chairs and the like upholstered furniture. Superior Sleep-rite Corporation. 373,225; Nov. 28; Serial No. 422,160; published Sept. 19, 1939.
Mattresses, box springs, sofas, and chairs. S. Karpen & Bros. 373,231; Nov. 28; Serial No. 422,286; published Sept. 19, 1939.
Tables. Kaplan Furniture Company. 373,233; Nov. 28; Serial No. 422,409; published Sept. 19, 1939.

CLASS 34

Chemical and petroleum distillation and refinery apparatus. Lummus Company. 373,267; Nov. 28.
Coolers, Air quenching. F. L. Smidth & Co. 373,190; Nov. 28; Serial No. 421,164; published Sept. 19, 1939.
Heating units and for humidifiers. American Radiator Company. 373,107; Nov. 28; Serial No. 401,171; published Sept. 19, 1939.
Torches and parts thereof, Cutting and welding. Bastian-Blessing Company. 130,151; renewed Apr. 13, 1940.
Ventilators. O. Kubatzky. 373,165; Nov. 28; Serial No. 420,459; published Sept. 19, 1939.

CLASS 35

Jar rings. United Buyers Corporation. 373,167; Nov. 28; Serial No. 420,550; published Sept. 19, 1939.
Tires, Pneumatic. General Tire & Rubber Company. 373,236; Nov. 28; Serial No. 422,471; published Sept. 19, 1939.
Tires, Vehicle. W. E. Thull. 373,205; Nov. 28; Serial No. 421,752; published Sept. 19, 1939.

CLASS 36

Guitars, mandolins, tenor banjos, etc. St. Louis Music Supply Company. 373,242; Nov. 28.

Pianos, piano-players, and organs. Story & Clark Piano Company. 130,119; renewed Apr. 6, 1940.

CLASS 37

Binders, Loose-leaf. National Publishing Company. 373,204; Nov. 28; Serial No. 421,743; published Sept. 19, 1939.
Indexes, loose leaf binders, etc., Visible. Remington Rand Inc. 373,202; Nov. 28; Serial No. 421,713; published Sept. 19, 1939.
Paper and envelops. Whiting Paper Company. 130,444; renewed Apr. 20, 1940.
Paper, envelopes, postcards, and greeting cards, Writing. C. E. Harris. 373,151; Nov. 28; Serial No. 419,666; published Sept. 19, 1939.
Paper, Safety. Bankers Supply Co. 128,299; renewed Jan. 6, 1940.
Pencils and leads therefor. C. R. Keeran. 125,149; renewed Apr. 15, 1939.

CLASS 38

Bulletin. Bay State Milling Co. 373,206; Nov. 28; Serial No. 421,757; published Sept. 19, 1939.
Cards, Greeting. Norcross. 373,200; Nov. 28; Serial No. 421,614; published Sept. 19, 1939.
Cards, Greeting. J. Sapirstein. 373,265; Nov. 28.
Circulars, booklets, and printed advertising material. A. B. Collins. 373,158; Nov. 28; Serial No. 420,092; published Sept. 12, 1939.
Inserts for identifying or marking strips for marking or identifying food products. Freeman, Incorporated. 373,110; Nov. 28; Serial No. 409,351; published Sept. 12, 1939.
Magazine. Southern Sportswear Company. 373,219; Nov. 28; Serial No. 422,023; published Sept. 19, 1939.
Magazines, pamphlets, printed manuals, etc., Periodical. Associated General Contractors of America, Inc. 373,159; Nov. 28; Serial No. 420,129; published Sept. 19, 1939.
Paper, Writing. Whiting Paper Company. 130,443; renewed Apr. 20, 1940.
Periodical. American Mutual Liability Insurance Co. 373,129; Nov. 28; Serial No. 416,828; published Sept. 12, 1939.
Periodical. Reed Street Neighborhood House. 373,154; Nov. 28; Serial No. 419,770; published Sept. 19, 1939.
Periodical. A. J. Thoma. 373,196; Nov. 28; Serial No. 421,401; published Sept. 12, 1939.
Periodical continuities and program skits. T. J. Hammerstein. 373,240; Nov. 28.
Photographs. A. Cox. 373,264; Nov. 28.
Publication, Monthly. National Transportation Association. 373,214; Nov. 28; Serial No. 421,943; published Sept. 19, 1939.
Publication, Periodical. Fox Publications, Inc. 373,187; Nov. 28; Serial No. 421,033; published Sept. 12, 1939.
Publications, Printed. Supplee-Biddle Hardware Co. 373,224; Nov. 28; Serial No. 422,114; published Sept. 19, 1939.
Scripts for a series of commercial radio broadcasts. Continental Baking Company. 373,261; Nov. 28.
Series of publications, magazine articles, etc. F. J. Kiesler. 373,132; Nov. 28; Serial No. 417,223; published Sept. 12, 1939.

CLASS 39

Dresses and pajamas. Reliance Manufacturing Company. 373,238; Nov. 28.
Hosiery. Brown Durrell Co. 373,105; Nov. 28; Serial No. 394,163; published Sept. 5, 1939.
Hosiery. National Retailer-Owned Grocers, Inc. 373,253–4; Nov. 28.
Hosiery, Men's. H. F. Martinat. 373,275; Nov. 28.
Jackets, sport suits, slacks, etc., Sport. Currick & Leiken Co. Inc. 373,272; Nov. 28.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 373,250; Nov. 28.
Underwear, pajamas, nightgowns, etc. Dutchess Underwear Corporation. 373,244; Nov. 28.

CLASS 42

Blankets, Cotton. Nashua Manuf. Company. 129,800; renewed Mar. 9, 1940.
Corduroy. New York Mills Corporation. 127,459; renewed Nov. 11, 1939.
Cotton floor covering. L. Albert. 373,251; Nov. 28.
Cotton and rayon piece goods. M. Lowenstein & Sons, Inc. 373,252; Nov. 28.
Fabrics, cotton piece goods, Uncoated. New York Mills Corporation. 127,974; renewed Dec. 16, 1939.
Fabrics, Woolen and worsted. Botany Worsted Mills. 373,160; Nov. 28; Serial No. 420,203; published Sept. 19, 1939.
Pads, bedspreads, quilts, etc. Best & Co. Inc. 373,194; Nov. 28; Serial No. 421,338; published Sept. 19, 1939.
Piece goods. J. S. Donaldson, Inc. 373,182; Nov. 28; Serial No. 420,943; published Sept. 19, 1939.
Piece goods. Riverdale Manufacturing Co. 373,109; Nov. 28; Serial No. 408,166; published Sept. 19, 1939.
Piece goods. William Yates and Sons, Limited. 373,172–3; Nov. 28; Serial Nos. 420,706–7; published Sept. 19, 1939.
Rugs. Marshall Field & Company. 373,161; Nov. 28; Serial No. 420,366; published Sept. 12, 1939.
Rugs. Marshall Field & Company. 373,162; Nov. 28; Serial No. 420,367; published Sept. 19, 1939.

CLASS 44

Chemical heating appliance. B. W. Quick. 373,111; Nov. 28; Serial No. 410,520; published Sept. 19, 1939.
Electric thermapeutic device. T. J. Curtiss. 373,156; Nov. 28; Serial No. 419,909; published Sept. 19, 1939.
Hearing devices, Electrical. Vacolite Company. 373,234; Nov. 28; Serial No. 422,429; published Sept. 19, 1939.
Hearing devices, Electrical. Vacolite Company. 373,235; Nov. 28; Serial No. 422,431; published Sept. 19, 1939.
Permanent waving pads, Machineless. Le Roy Gordon Beauty Salon. 373,227; Nov. 28; Serial No. 422,175; published Sept. 19, 1939.
Plates to be placed in the heels of shoes for possible therapeutic effect. Naolek Company. 373,223; Nov. 28; Serial No. 422,100; published Sept. 19, 1939.
Solder, Gold. J. F. Jelenko & Co. Inc. 373,239; Nov. 28.
Thermometers, Fever. United Cigar-Whelan Stores Corporation. 373,143; Nov. 28; Serial No. 418,462; published Sept. 19, 1939.

CLASS 45

Beverage, and sirup and extract for making the same. Cuba-Py-A Products, Inc. 373,278; Nov. 28.
Beverages, and sirups and extracts for making the same. Blue Seal Extract Co. 373,277; Nov. 28.
Water, Mineral. E. E. Dismuke. 127,599; renewed Nov. 18, 1939.

CLASS 46

Beef, Pot roast of. Swift and Company. 373,174; Nov. 28; Serial No. 420,731; published Sept. 19, 1939.
Bread. Hollywood Services, Incorporated. 373,270; Nov. 28.
Cake. New Warsaw Bakery Co. Inc. 373,183; Nov. 28; Serial No. 420,964; published Sept. 19, 1939.
Candies. Terry Candy Company. 373,145; Nov. 28; Serial No. 418,904; published Sept. 19, 1939.
Candy bars. M. K. Jessop. 373,247; Nov. 28.
Candy, biscuits, bread, etc. Chocolaterie Jacques Société Anonyme. 373,147; Nov. 28; Serial No. 419,369; published Sept. 19, 1939.
Canned bouillebaise, clam chowder, and fish chowder. Beacon, Inc. 373,122; Nov. 28; Serial No. 415,759; published Sept. 19, 1939.
Canned citrus fruit juices, fresh citrus fruits, and fresh vegetables. L. F. Drake. 373,268; Nov. 28.
Canned corn. Crown Can Company. 373,193; Nov. 28; Serial No. 421,303; published Sept. 12, 1939.
Canned corn. Crown Can Company. 373,207; Nov. 28; Serial No. 421,765; published Sept. 19, 1939.
Canned fruit and vegetables. W. R. Roach & Co. 128,259; renewed Dec. 30, 1939.
Canned fruits and vegetables, bread, tea, etc. H. E. Butt Grocery Company. 373,130; Nov. 28; Serial No. 416,945; published Sept. 19, 1939.
Canned fruits, pectin, jellies, etc. John C. Morgan Company. 373,103; Nov. 28; Serial No. 371,223; published Sept. 19, 1939.
Canned peas. W. R. Roach & Co. 128,260; renewed Dec. 30, 1939.
Canned vegetables. W. R. Roach & Co. 128,258; renewed Dec. 30, 1939.
Cheese. Winnebago Cheese Company. 373,177; Nov. 28; Serial No. 420,837; published Sept. 19, 1939.
Cheese, Blue. J. C. C. Kyed. 373,184–5; Nov. 28; Serial Nos. 420,999–421,000; published Sept. 19, 1939.
Chicks, Baby. Fleming Specialty Company. 373,117; Nov. 28; Serial No. 412,278; published Sept. 19, 1939.
Feed, Poultry. W. J. Lawther Mills. 373,209; Nov. 28; Serial No. 421,780; published Sept. 12, 1939.
Feeds. Blatchford Calf Meal Company. 128,632; renewed Jan. 13, 1940.
Feeds. General Mills, Inc. 373,119; Nov. 28; Serial No. 414,562; published Sept. 12, 1939.
Feeds, Animal. Nutrena Mills, Inc. 373,153; Nov. 28; Serial No. 419,743; published Sept. 12, 1939.
Flour, farina, graham flour, etc., Wheat. F. H. Peavey & Company. 373,189; Nov. 28; Serial No. 421,157; published Sept. 19, 1939.
Fruits, Fresh citrus. Bradford Bros., Inc. 373,226; Nov. 28; Serial No. 422,167; published Sept. 19, 1939.
Fruits, Fresh citrus. D. C. Lee, Inc. 373,221–2; Nov. 28; Serial Nos. 422,098–9; published Sept. 19, 1939.
Horse radish with white distilled vinegar. Good Brothers, Inc. 373,208; Nov. 28; Serial No. 421,773; published Sept. 12, 1939.
Meat and cheese loaf. Armour and Company. 373,181; Nov. 28; Serial No. 420,928; published Sept. 12, 1939.
Nuts, Sugar-coated. Sugs, Inc. 373,157; Nov. 28; Serial No. 420,030; published Sept. 19, 1939.
Popcorn, Buttered popped. C. Hefley. 373,163; Nov. 28; Serial No. 420,373; published Sept. 5, 1939.
Skins, Fried hog. Pork Skin Chips Company. 373,192; Nov. 28; Serial No. 421,253; published Sept. 19, 1939.
Tea and coffee. Canova Foods Incorporated. 373,124; Nov. 28; Serial No. 415,976; published Sept. 19, 1939.
Vegetables, Fresh. A. Massera. 373,232; Nov. 28; Serial No. 422,339; published Sept. 19, 1939.

CLASS 47

Wines. Globe Distributing Company. 373,179; Nov. 28; Serial No. 420,905; published Sept. 19, 1939.
Wines. Taylor Wine Company. 373,135–7; Nov. 28; Serial Nos. 417,662–4; published Sept. 19, 1939.
Wines. Taylor Wine Company. 373,138–40; Nov. 28; Serial Nos. 417,667–69; published Sept. 19, 1939.
Wines. Taylor Wine Company. 373,142; Nov. 28; Serial No. 418,074; published Sept. 19, 1939.

CLASS 48

Beer and ale. Iroquois Beverage Corporation. 373,113; Nov. 28; Serial No. 411,167; published Sept. 19, 1939.

CLASS 49

Anisette. Hiram Walker & Sons Inc. 373,203; Nov. 28; Serial No. 421,719; published Sept. 19, 1939.
Brandy. Gimbel Brothers, Inc. 373,241; Nov. 28.
Gin. Kelly Brothers Company. 373,220; Nov. 28; Serial No. 422,097; published Sept. 19, 1939.
Gin. McKesson & Robbins, Incorporated. 373,102; Nov. 28; Serial No. 370,190; published Nov. 19, 1935.
Rum. J. R. Nieves & Cia. 373,237; Nov. 28; Serial No. 422,516; published Sept. 19, 1939.
Whiskey. Julius Loeser & Co. 373,228; Nov. 28; Serial No. 422,253; published Sept. 19, 1939.
Whiskey. Macpherson & Company. 373,191; Nov. 28; Serial No. 421,190; published Sept. 19, 1939.
Whiskey. Hiram Walker & Sons, Inc. 373,211; Nov. 28; Serial No. 421,868; published Sept. 19, 1939.
Whiskey and distilled London dry gin. Pennsylvania Distilling Company. 373,198; Nov. 28; Serial No. 421,530; published Sept. 19, 1939.
Whisky. Morand Bros. Beverage Co. 373,201; Nov. 28; Serial No. 421,709; published Sept. 19, 1939.
Whisky. Weston, Duncan, & Company Limited. 373,127; Nov. 28; Serial No. 416,645; published Sept. 19, 1939.

CLASS 50

Caps for jars or bottles, Metal. Phoenix-Hermetic Co. 128,818; renewed Jan. 13, 1940.

LIST OF LABELS

America's Pied Piper. For Exterminators. Guarantee Exterminating Co. 53,949; Nov. 28.
Azalea. For Canned Peas. Minnesota Valley Canning Company. 53,962; Nov. 28.
Baume Bengué. For Analgesic Balm. Bengué, Inc. 53,940; Nov. 28.
Bonnie. For Tomato Catsup. United Public Markets, Inc. 53,974; Nov. 28.
Butterfly Rolls. For Rolls. Ward Baking Company. 53,975; Nov. 28.
Cannon. For Shoes. Frank C. Meyer Co. Inc. 53,960; Nov. 28.
Casa Pellegrini. For Wines. Pellegrini Bros. Winery. 53,965; Nov. 28.
Children's Baume Bengué. For an Anodyne and Counter-Irritant Balm. Bengué, Inc. 53,941; Nov. 28.
Davy Jones. For Canned Shrimp. C. A. Greiner. 53,948; Nov. 28.
Dent-A-Geen. For Powder for False Teeth. S. Pfeiffer Mfg. Co. 53,971; Nov. 28.
Dent-A-Geen Mouth Wash. For Mouth Wash. S. Pfeiffer Mfg. Co. 53,970; Nov. 28.
Diamond-T Brand. For Jams. Diamond T Preserving Co. 53,944; Nov. 28.
Dog House. For Straight Rye Whiskey. E. M. Fleischmann Distilling Corp. 53,946; Nov. 28.
Facial Quality Tissue. For an All-Purpose Facial Quality Tissue for the Bathroom. Comfort Paper Corporation. 53,942; Nov. 28.
Frigid-H-Air. For Pads. Frigid-H-Air Permanent Wave Corp. 53,947; Nov. 28.
Gauze. For Tissue (a Type of Toilet Paper). Northern Paper Mills. 53,963; Nov. 28.
Haz-A-Wear Suction Wall Paper Sizing. For a Sizing for Wall Paper, Lincrustra, Burlap, Etc. Hazard Lead Works, Inc. 53,951; Nov. 28.
Hung's Chic-Chow Egg Noodles. For Egg Noodles. Hung's Food Products Inc. 53,952; Nov. 28.
Hy-Geen Astringent Powder. For Astringent Powder. S. Pfeiffer Mfg. Co. 53,968; Nov. 28.
Inglesde. For Sugar Cane Syrup. Penick & Ford, Ltd. Incorporated. 53,966; Nov. 28.
Kroger's Country Club Quality Brand Peeled Nectarine Halves. For Canned Nectarines. Kroger Grocery & Baking Company. 53,954; Nov. 28.
Kroger's Country Club Quality Brand Fancy Whole Spiced Seedless Grapes. For Canned Seedless Grapes. Kroger Grocery & Baking Company. 53,955; Nov. 28.
Kroger's Country Club Quality Brand Fancy Whole Spiced Yellow Cling Peaches. For Canned Peaches. Kroger Grocery & Baking Company. 53,956; Nov. 28.
Markwell 10,000 RX Staples. For Staples. Markwell Mfg. Co. 53,957; Nov. 28.
Markwell 1000 RX Staples. For Staples. Markwell Mfg. Co. 53,958; Nov. 28.
Mary Ann Specialized Kitchen Cutlery Set. For Kitchen Knives. R. B. Paysee. 53,964; Nov. 28.
Maxine Mouth Wash. For Mouth Wash. S. Pfeiffer Mfg. Co. 53,969; Nov. 28.
Meadowview Butter. For Butter. Menasha Products Company. 53,959; Nov. 18.
Meta Thompson's "Key to Bald Pate". For a Tonic for Falling Hair and Baldness. M. Thompson. 53,973; Nov. 28.
My-T-Fine. For Lemon Pie Filling. Penick & Ford, Ltd. Incorporated. 53,967; Nov. 28.
Peanut Brittle. For Peanut Brittle. E. F. Kemp, Inc. 53,953; Nov. 28.
Pfeiffer's Iodine Antiseptic. For Iodine Antiseptic. S. Pfeiffer Mfg. Co. 53,972; Nov. 28.
Rich's. For Footwear. Frank C. Meyer Co. Inc. 53,961; Nov. 28.
Victor the Ripe Coffee. For Coffee. Martin L. Hall Company. 53,950; Nov. 28.
Vineyard Belle. For a California Sparkling Wine. Ellena Bros. 53,945; Nov. 28.
West's Spic. For an All Purpose Cleaner. West Chemical Company. 53,976; Nov. 28.
Yale Filing Supply Co. For Filing Folders. Yale Filing Supply Co. 53,977; Nov. 28.
Zee Heavy Weight Waxed Paper. For Waxed Paper. Comfort Paper Corporation. 53,943; Nov. 28.

LIST OF PRINTS

Accept this $1.00 Value Roast Meat Thermometer. For Flour. General Mills, Inc. 17,718; Nov. 28.
Acme Seeds Best on Earth. For Seeds. J. C. McCullough Seed Co. 17,723; Nov. 28.
Adler-I-Ka. For a Carminative Evacuant. Adlerika Company. 17,704; Nov. 28.
A New Improved All Glass Reflux Regulator for Laboratory Fractionating Columns. For Reflux Regulators for Laboratory Fractionating Columns. Otto R. Greiner Co. 17,721; Nov. 28.
Announcing—New . . . Improved Your Bread Here. For Bread. Frederick W. Ziv, Inc. 17,750; Nov. 28.
"Automatic" Jack Manders Boots the Bears to a League Championship. For a Cereal Food. General Mills, Inc. 17,720; Nov. 28.
Believe It or Not—Donkey Discovers A Mine. For Coal. Believe It or Not, Inc. 17,706; Nov. 28.
Believe It or Not—Home Sweet Home the Author never had a Home. For Coal. Believe It or Not, Inc. 17,707; Nov. 28.
Believe It or Not—Lived in Three Centuries. For Coal. Believe It or Not, Inc. 17,708; Nov. 28.
Believe It or Not—Richest Man Who ever Lived. For Coal. Believe It or Not, Inc. 17,709; Nov. 28.
Believe It or Not—The Cruise of the Dead. For Coal. Believe It or Not, Inc. 17,710; Nov. 28.
Charming Rooms begin on the Floor! For Pile Fabric Floor Coverings. Bigelow-Sanford Carpet Co. Inc. 17,713; Nov. 28.
Children's Mild Baume Bengué. For Analgesic Balm. Bengue, Inc. 17,711; Nov. 28.
Football Training's a Cinch. For a Cereal Food. General Mills, Inc. 17,719; Nov. 28.
"For Pretty Teeth All in a Row". For Vitamin D Milk. Borden Company. 17,714; Nov. 28.
Ford Tractor. For Tractors and Wheelless Implements. Ford Motor Company. 17,717; Nov. 28.
Going to Town . . . In a Big Way! For Beer. Drewrys Limited U. S. A., Inc. 17,716; Nov. 28.
Label Law Bartlett Pears. For Labels. Schmidt Lithograph Company. 17,726; Nov. 28.
Label Law Country Style Whole Kernel Corn. For Labels. Schmidt Lithograph Company. 17,727; Nov. 28.
Label Law Freestone Peaches. For Labels. Schmidt Lithograph Company. 17,728; Nov. 28.
Label Law Fruit Cocktail. For Labels. Schmidt Lithograph Company. 17,729; Nov. 28.
Label Law Small Whole Beets. For Labels. Schmidt Lithograph Company. 17,730; Nov. 28.
Label Law Small Peas. For Labels. Schmidt Lithograph Company. 17,731; Nov. 28.
Label Law Sweet Variety Small Peas. For Labels. Schmidt Lithograph Company. 17,732; Nov. 28.

Label Law Whole Beets. For Labels. Schmidt Lithograph Company. 17,733; Nov. 28.
Label Law Whole Kernel Corn. For Labels. Schmidt Lithograph Company. 17,734; Nov. 28.
Legal Halved Apricots. For Labels. Schmidt Lithograph Company. 17,735; Nov. 28.
Legal Loganberries. For Labels. Schmidt Lithograph Company. 17,736; Nov. 28.
Legal Red Raspberries. For Labels. Schmidt Lithograph Company. 17,737; Nov. 28.
Legal Royal Anne Cherries. For Labels. Schmidt Lithograph Company. 17,738; Nov. 28.
Legal Strawberries. For Labels. Schmidt Lithograph Company. 17,739; Nov. 28.
Legal Whole Peeled Apricots. For Labels. Schmidt Lithograph Company. 17,740; Nov. 28.
Ludwig Fasteners for Storm Windows and Screens. For Spring Tension Fasteners for Storm Windows and Screens. Ludwig Mfg. Co. 17,722; Nov. 28.
New Law Apricots. For Labels. Schmidt Lithograph Company. 17,741; Nov. 28.
New Law Bartlett Pears. For Labels. Schmidt Lithograph Company. 17,742; Nov. 28.
New Law Freestone Peaches. For Labels. Schmidt Lithograph Company. 17,743; Nov. 28.
New Law Golden Bantam Corn. For Labels. Schmidt Lithograph Company. 17,749; Nov. 28.
New Law Kadota Figs. For Labels. Schmidt Lithograph Company. 17,744; Nov. 28.
New Law Peeled Tomatoes. For Labels. Schmidt Lithograph Company. 17,745; Nov. 28.
New Law Sliced Freestone Peaches in Syrup. For Labels. Schmidt Lithograph Company. 17,746; Nov. 28.
New Law Spinach. For Labels. Schmidt Lithograph Company. 17,747; Nov. 28.
New Law Yellow Cling Peaches. For Labels. Schmidt Lithograph Company. 17,748; Nov. 28.
Orange Ana. For an Orange Drink. W. C. Beener. 17,705; Nov. 28.
Parker Guaranteed-For-Life Vacumatic. For Fountain Pens, Mechanical Pencils and Ink. Parker Pen Company. 17,725; Nov. 28.
Spicey, Old-Time Mince Meat Pie. For Mince Meat. Borden Co. 17,715; Nov. 28.
When Your Feet Hurt! Ordinary Shoes are Wrong for Your Feet! Foot Comfort! The Health Spot Way. For Shoes. Musebeck Shoe Company. 17,724; Nov. 28.
Win $1000 Weekly Pick 8 Horses and Win $1000. For Razor Blades. L. Bernstein. 17,712; Nov. 28.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)

General Motors Corporation. (See McConkey, Montgomery W., assignor.)

Johnson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)

Leighton, John W., Port Huron, assignor to The Manufacturers National Bank of Detroit, Detroit, Mich. Wheel arm joint. Re. 21,279; Nov. 28.

Manufacturers National Bank of Detroit, The. (See Leighton, John W., assignor.)

McConkey, Montgomery W., Chicago, Ill., assignor to General Motors Corporation, Detroit, Mich. Brake. Re. 21,280; Nov. 28.

Polydoroff, Wladimir J., Wilmette, assignor to Johnson Laboratories, Inc., Chicago, Ill. Selective radio circuit. Re. 21,281; Nov. 28.

Polydoroff, Wladimir J., Wilmette, assignor to Johnson Laboratories, Inc., Chicago, Ill. Radio-amplifying circuits. Re. 21,282; Nov. 28.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing shuttle changing loom. Re. 21,283; Nov. 28.

LIST OF PLANT PATENTEES

Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose. 348; Nov. 28.

Hill, Joseph H., Company. (See Byrum, Roy L., assignor.)

LIST OF DESIGN PATENTEES

Albright, Raymond W., assignor to American Anode Inc., Akron, Ohio. Combined water and ice bag. 117,845; Nov. 28.

American Anode Inc. (See Albright, Raymond W., assignor.)

Amis, Charles S., Washington, D. C. Combination bathroom dresser cabinet or similar article. 117,778; Nov. 28.

Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)

Ayres, Waldemar, New York, N. Y. Combined drill press and frame. 117,777; Nov. 28.

Bahr, Gustave F., Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Grille guard. 117,779; Nov. 28.

Barefoot, Josie C., Charlotte, N. C. Display table. 117,780; Nov. 28.

Bauer, Edward H., Los Angeles, Calif. Cushion. 117,862; Nov. 28.

Beals, Gilison W., assignor to The Miller Company, Meriden, Conn. Desk lamp. 117,827; Nov. 28.

Beaver Pipe Tools, Inc. (See Pealer, Robert B., assignor.)

Bowers, Bailey T., Chicago, Ill. Desk unit. 117,828; Nov. 28.

Boyle, Homer G., assignor to The Crosley Corporation, Cincinnati, Ohio. Radio cabinet. 117,846; Nov. 28.

Boysen, George M., Philadelphia, Pa. Lace. 117,863; Nov. 28.

Bushwick, Anna, New York, N. Y. Hat. 117,864; Nov. 28.

Bushwick, Anna, New York, N. Y. Hat. 117,865; Nov. 28.

Casco Products Corporation. (See Bahr, Gustave F., assignor.)

Case, W. A., & Son Manufacturing Company, et al. (See Kohlmeyer, G. W., and Fraser, assignors.)

Caverly, Donald P., Marblehead, assignor to Hygrade Sylvania Corporation, Salem, Mass. Sterilizing tube reflecting unit. 117,874; Nov. 28.

Century Lighting, Inc. (See Levy, Joseph, assignor.)

Chandler, Homer P., Mansfield, Ohio. Rail bond terminal. 117,781; Nov. 28.

Cohn & Rosenberger Inc. (See Verrecchio, Gene, assignor.)

Crosley Corporation, The. (See Boyle, Homer G., assignor.)

Dalynip Pourer Corporation. (See Hoeter, Frederick W.)

Darby, Wade H., McDowell, Va. Wall plaque. 117,804; Nov. 28.

Dean, Arthur F., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant dispensing apparatus. 117,782; Nov. 28.

Dean, Arthur F., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant dispensing apparatus. 117,783; Nov. 28.

Druckenmiller, Joseph E., Ardsley, assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa. Doorframe. 117,805; Nov. 28.

Druckenmiller, Joseph E., Ardsley, assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa. Doorframe. 117,806; Nov. 28.

Dubbles, Grace M. H., Lincoln, Nebr. Toy. 117,784; Nov. 28.

Du Pont, E. I., de Nemours & Company. (See Tyson, Edmund H., assignor.)

Endicott Johnson Corporation. (See Johnson, Francis A., assignor.)

Engel, Alice, New York, N. Y. Dress ensemble. 117,875; Nov. 28.

Estate Stove Company, The. (See Kahn, B. B., and Tupper, assignors.)

Faber, Eberhard, Pencil Co. (See Zoll, Henry, assignor.)

Fatherley, Robert E., Darien, Conn. Textile fabric or similar article. 117,866; Nov. 28.

Federal Tool Corporation. (See Smith, Frasier, assignor.)

Feeny, George A. (See Gudell, Rudolph T., assignor.)

Footlik, Irving M., assignor to Leo G. Pilot, Chicago, Ill. Combined ashtray and glass retainer. 117,847; Nov. 28.

Footlong, Inc. (See Hater, H. J., and Macloon, assignors.)

Fracchia, Pauline, New York, N. Y. Dress. 117,785; Nov. 28.

Fraser, James. (See Kohlmeyer, G. W., and Fraser.)

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or similar article. 117,829; Nov. 28.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or similar article. 117,867; Nov. 28.

Gaul, Elmer W., Buffalo, N. Y. Garment fastener. 117,830; Nov. 28.

Goodman, Lillian, Brooklyn, assignor to Mitchell Brothers, Inc., New York, N. Y. Textile fabric. 117,848; Nov. 28.

Gorrias, Harry N., Los Angeles, Calif. Game board. 117,786; Nov. 28.

Gougler, Marcelline, Chicago, Ill., assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. 117,840; Nov. 28.

Gowran, Harry C., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Dentist's cabinet or the like. 117,807; Nov. 28.

Gudell, Rudolph T., North Chicago, assignor of one-half to G. A. Feeny, Chicago, Ill. Portable altar. 117,808; Nov. 28.

Guerra, Anthony, Hackensack, N. J. Game board. 117,787; Nov. 28.

Hall China Company, The. (See Thorley, Joseph P., assignor.)

Hamilton Manufacturing Company. (See Gowran, Harry C., assignor.)

Harvey, Bruce J., Des Moines, Iowa. Broom holder or similar article. 117,849; Nov. 28.

Hater, Harry J., Cincinnati, Ohio, and L. Macloon, Culver City, Calif., assignors to Footlong, Inc., Cincinnati, Ohio. Combined refreshment stand and shade therefor. 117,809; Nov. 28.

Hicks, Eileen, Indianapolis, Indiana. Make-up shield or similar article. 117,868; Nov. 28.

Hoeter, Frederick W., assignor to Dalynip Pourer Corporation, New York, N. Y. Bottle pourer. 117,841; Nov. 28.

Hygrade Sylvania Corporation. (See Caverly, Donald P., assignor.)

Johnson, Fern E., New York, N. Y. Golf dress. 117,885; Nov. 28.

Johnson, Francis A., assignor to Endicott Johnson Corporation, Endicott, N. Y. Combined rubber sole and heel. 117,831; Nov. 28.
Kahn, Bertrand B. and J. L. Tupper, Cincinnati, assignors to The Estate Stove Company, Hamilton, Ohio. Heater. 117,850; Nov. 28.
Karoff, Robert B., New York, N. Y. Combination container for perfumes. 117,851; Nov. 28.
Karoff, Robert B., New York, N. Y. Combination container for perfumes. 117,852; Nov. 28.
Kelsey, Cadwallader W., Troy, N. Y. Tiller. 117,788; Nov. 28.
Key, Ava J., Hempstead, N. Y. Dress ensemble. 117,832; Nov. 28.
Kohlmeyer, George W., Buffalo, N. Y., and J. Fraser, Wilmington, Del., assignors to W. A. Case & Son Manufacturing Company, Buffalo, N. Y., and Speakman Company, Wilmington, Del., jointly. Lavatory. 117,810; Nov. 28.
Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament. 117,789; Nov. 28.
Laine, Margaret, New York, N. Y. Folding box. 117,833; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,790; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,791; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,792; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,793; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,794; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,811; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,812; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,813; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,814; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,815; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,816; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,817; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,818; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,819; Nov. 28.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 117,820; Nov. 28.
Lentini, Helen, New York, N. Y. Dress. 117,882; Nov. 28.
Levy, Joseph, New York, N. Y., assignor to Century Lighting, Inc. Lighting fixture lens or the like article. 117,834; Nov. 28.
Luger, Elmer R., Anoka, Minn. Chair or similar article. 117,795; Nov. 28.
Macloon, Louis. (See Hater, H. J., and Macloon.)
Madda, Lauretta S., Chicago, Ill. Combined supporting bracket and shield for a condiment container or similar article. 117,821; Nov. 28.
Marschner, Max A. (See Percell, William, assignor.)
Marx, Bernard C., New York, N. Y. Textile fabric. 117,869; Nov. 28.
Mayer China Company. (See Gougler, Marcelline, assignor.)
Mazola, Christine, New York, N. Y. Dress ensemble. 117,883; Nov. 28.
Mazola, Christine, New York, N. Y. Dress. 117,884; Nov. 28.
Meyer, Emile, New York, N. Y. Textile fabric. 117,835; Nov. 28.
Miller Company, The. (See Beals, Gillson W., assignor.)
Millar, Lauretta, Maplewood, N. J. Hat. 117,870; Nov. 28.
Mitchell Brothers, Inc. (See Goodman, Lillian, assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined fender and skirt and chain guard. 117,796; Nov. 28.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Bicycle frame. 117,853; Nov. 28.
Morimura Bros., Inc. (See Leigh, Cyril W., assignor.)
Niedzinski, Adam, Nutley, N. J. Top. 117,797; Nov. 28.
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone desk stand. 117,876; Nov. 28.
Olean Glass Company. (See Smith, George, Jr., assignor.)
Pealer, Robert B., Parkman, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Die stock. 117,798; Nov. 28.
Pealer, Robert B., Parkman, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Die stock. 117,799; Nov. 28.
Percell, William, assignor of one-half to M. A. Marschner, Willow Grove, Pa. Stocking. 117,871; Nov. 28.
Perlberg, Fred, New York, N. Y. Dress ensemble. 117,877; Nov. 28.
Pilot, Leo G. (See Footlik, Irving M., assignor.)
Pilot, Leo G., Chicago, Ill. Combined ashtray and glass retainer. 117,854; Nov. 28.
Pogue, Tony L., May's Lick, Ky. Combined tie clasp and comb. 117,822; Nov. 28.
Post, Norman W., Miami, Fla. Box. 117,842; Nov. 28.
Poux, Noel J., assignor to Talon, Inc., Meadville, Pa. Combined slider body and pull tab bail for slide fasteners. 117,823; Nov. 28.
Poux, Noel J., assignor to Talon, Inc., Meadville, Pa. Bottom stop for slide fasteners. 117,824; Nov. 28.
Reiman, Paul, New York, N. Y. Towel or similar article. 117,878; Nov. 28.
Reiman, Paul, New York, N. Y. Towel or similar article. 117,879; Nov. 28.
Sawicki, Maryan E., Franklin, N. H. Drawer pull. 117,800; Nov. 28.
Schmid, Albert P. (See Kranz, P., and Schmid.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shapiro, Herbert R., New York, N. Y. Textile fabric. 117,872; Nov. 28.
Sherman, Florence A., New York, N. Y. Doll. 117,880; Nov. 28.
Sherman, Florence A., New York, N. Y. Doll. 117,881; Nov. 28.
Simon, Irwin B., San Francisco, Calif. Hat. 117,873; Nov. 28.
Smith, Frasier, Wheeling, W. Va., assignor, by mesne assignments, to Federal Tool Corporation, Chicago, Ill. Jar. 117,843; Nov. 28.
Smith, Fred E., Stowe, Vt. Knife holder. 117,825; Nov. 28.
Smith, George, Jr., assignor to Olean Glass Company, Olean, N. Y. Jar. 117,844; Nov. 28.
Smith, Wilbert C., Washington, Pa. Candelabrum. 117,836; Nov. 28.
Snedaker, Frank C., & Co. (See Druckenmiller, Joseph E., assignor.)
Speakman Company et al. (See Kohlmeyer, G. W., and Fraser, assignors.)
Stein, Marjorie, New York, N. Y. Dress. 117,886; Nov. 28.
Stewart-Warner Corporation. (See Dean, Arthur F., assignor.)
Sussman, Fannie, New York, N. Y. Dress. 117,801; Nov. 28.
Talon, Inc. (See Poux, Noel J., assignor.)
Thorley, Joseph P., assignor to The Hall China Company, East Liverpool, Ohio. Teapot. 117,855; Nov. 28.
Thorley, Joseph P., assignor to The Hall China Company, East Liverpool, Ohio. Teapot. 117,856; Nov. 28.
Thorley, Joseph P., assignor to The Hall China Company, East Liverpool, Ohio. Covered casserole. 117,857; Nov. 28.
Thorley, Joseph P., assignor to The Hall China Company, East Liverpool, Ohio. Shirred egg dish. 117,858; Nov. 28.
Thorley, Joseph P., assignor to The Hall China Company, East Liverpool, Ohio. Teapot or similar article. 117,859; Nov. 28.
Tint, Mollie, New York, N. Y. Dress. 117,887; Nov. 28.
Tint, Mollie, New York, N. Y. Dress. 117,888; Nov. 28.
Tint, Mollie, New York, N. Y. Dress. 117,889; Nov. 28.
Tint, Mollie, New York, N. Y. Dress. 117,890; Nov. 28.
Torrington Manufacturing Co., The. (See Upson, Walter L., assignor.)
Tupper, James L. (See Kahn, B. B., and Tupper.)
Tuttle, Homer S., Weedsport, N. Y. Cylinder type vacuum cleaner cabinet. 117,837; Nov. 28.
Tyson, Edmund H., Essex Fells, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic sheet or similar article. 117,826; Nov. 28.
Upson, Walter L., Litchfield, assignor to The Torrington Manufacturing Co., Torrington, Conn. Propeller type fan. 117,860; Nov. 28.
Vaughan, Sanford S., Oak Park, Ill. Hatchet. 117,803; Nov. 28.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Pin clip. 117,802; Nov. 28.
Weinstein, Benjamin, New York, N. Y. Dress. 117,891; Nov. 28.
Wilmsen, Bernard. (See Kranz, P., and Schmid, assignors.)
Wise, Solomon, Cleveland, Ohio. Padlock. 117,838; Nov. 28.
Woodford, Arthur W., Chicago, Ill. Hair curler. 117,861; Nov. 28.
Zoll, Henry, Elmhurst, assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y. Fountain pen or similar article. 117,839; Nov. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abramowitz, Morris, New York, and J. Marino, Brooklyn, N. Y. Spring cushion filling machine attachment. 2,181,308; Nov. 28.
Adams, James L., Jr., Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company. Method and apparatus for welding. 2,181,445; Nov. 28.
Adams, John W., Duncan, Okla. Irrigating implement. 2,181,540; Nov. 28.
Adams, Soren S., Asbury Park, N. J. Suction cup novelty. 2,181,113; Nov. 28.
Adamson, Andrew E., assignor to Brainard Steel Corporation, Warren, Ohio. Sealing tool. 2,181,755; Nov. 28.
Aetna Standard Engineering Company, The. (See Moore, George E., assignor.)
Agfa Ansco Corporation. (See Herbst, M., and Frankenburger, assignors.)
Air Reduction Company. (See Schmidt, Gustav H., assignor.)
Akins, Roy W., Akron, Ohio. Adjustable support for buildings or the like. 2,181,163; Nov. 28.
Aktiebolaget Superior. (See Caspersson, Karl A., assignor.)
Albero, Andrew D., Delaware Gardens, N. J., assignor of one-half to I. M. Falk, Philadelphia, Pa. Pressing machine steam valve. 2,181,529; Nov. 28.
Alexander, Elmo E., New Albany, Ind. Veneer bend. 2,181,164; Nov. 28.
Alles, Gordon A., Los Angeles, Calif. Medicinal agent. 2,181,845; Nov. 28.
Allis-Chalmers Manufacturing Company. (See Stern, A. F., and Hanners, assignors.)
Alluvial Mining Equipment Limited. (See Watson, George H., assignor.)
Altorfer, Alpheus W., Peoria, Ill. Wringer release mechanism. 2,181,255; Nov. 28.
Aluminum Company of America. (See Smith, James N., assignor.)
Alluvial Mining Equipment Limited. (See Eckart, Harry G. L., assignor.)
American Electric Switch Corporation. (See Lantz, William H., Jr., assignor.)
American Engineering Company. (See Bennett, Joseph S., assignor.)
American Houses, Inc. (See McLaughlin, Robert W., Jr., assignor.)
American-La France-Foamite Corporation. (See Lindsay, Charles H., assignor.)
American Machine and Foundry Company. (See Jensen, Thormod, assignor.)
American Manufacturing Company. (See Rick August J., assignor.)
American Optical Company. (See Cozzens, Charles O., assignor.)
American Smelting and Refining Company. (See Perkins, M. F., and Crane, assignors.)
American Steel and Wire Company of New Jersey, The. (See Reardon, Eugene J., assignor.)
American Steel and Wire Company of New Jersey, The. (See Stolnacke, C. E., and Sabol, assignors.)
American Steel and Wire Company of New Jersey. (See Thompson, James R., assignor.)
American Steel and Wire Company of New Jersey, The. (See Witherspoon, John C., assignor.)
American Telephone and Telegraph Company. (See Peterson, George H., assignor.)
American Zinc, Lead & Smelting Company. (See Calbeck, John H., assignor.)
Ames, George C., New York, N. Y. Headgear. 2,181,446; Nov. 28.
Andale Company. (See Jenkins, James M., assignor.)
Andale Company. (See McNeal, Daniel R., assignor.)
Anderson, Bert J., Hammond, Ind. Rear frame member. 2,181,413; Nov. 28.
Anderson, Bert J., Hammond, Ind. Saddle construction for velocipedes. 2,181,414; Nov. 28.
Anderson, Edward C. (See Wewetzer, A., and Anderson.)
Anderson Products, Inc. (See Upton, John, assignor.)
Anderson, William B., West Springfield, and G. S. McCloy, East Longmeadow, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus and method. 2,181,854; Nov. 28.
Andrews, Thomas C., Richmond, Va. Sorting device for loose leaves. 2,181,165; Nov. 28.
Andrieu, Robert, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electrical impulse segregation circuit. 2,181,309; Nov. 28.
Anslinger, Justin V., Haubstadt, assignor of one-half to Hansen Manufacturing Company, Inc., Princeton, Ind. Feeding finger. 2,181,358; Nov. 28.
Arbogast, Alfred C., assignor to Northern Indiana Brass Company, Elkhart, Ind. Core for electrodepositing pipe couplings. 2,181,256; Nov. 28.
Arbogast, Alfred C., assignor to Northern Indiana Brass Company, Elkhart, Ind. Core for producing pipe couplings by electrodeposition. 2,181,257; Nov. 28.
Arbolt, John D., Brooklyn, N. Y. Retractable pen point holder. 2,181,776; Nov. 28.
Ardito, William, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Display case. 2,181,637; Nov. 28.
Armitage, Wilfred. (See Lawson, R. H., and Armitage.)
Arnold, Charles B., assignor to Seymour & Peck Co., Chicago, Ill. Sieve. 2,181,718; Nov. 28.
Arquette, Russell C. (See Stone, F. B., Arquette, and Rossetter, C. F. and R. J.)
Arroyo, Rafael, Rio Piedras, assignor, by mesne assignments, to Borinquen Associates, Inc., San Juan, P. R. Fermentation process for producing butyric acid. 2,181,310; Nov. 28.
Arroyo, Rafael, Rio Piedras, assignor to Borinquen Associates, Inc., San Juan, P. R. Culture for butyric acid fermentation. 2,181,311; Nov. 28.
Art-O-Graphic Printing Company, Inc. (See Durup, Paul H., assignor.)
Arzmaier, Alfons, Berlin-Friedenau, assignor to Siemens & Halske, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Modulating system. 2,181,312; Nov. 28.
Asbelle, Julius A., Commerce, Ga. Split drawing. 2,181,777; Nov. 28.
Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning apparatus. 2,181,617; Nov. 28.
Askania-Werke A. G. (See Moerbitz, K., and Roux, assignors.)
Atlantic Refining Company, The. (See Marks, Ernest M., assignor.)
Atlas Powder Company. (See Bucy, Edmond H., assignor.)
Aurex Corporation. (See Huth, Walter H., assignor.)
Austin, William B., Ridgewood, N. J. Statistical machine. 2,181,166. Nov. 28.
Austin, William B., Ridgewood, N. J. Statistical machine. 2,181,167; Nov. 28.
Autographic Register Company. (See Brenn, Carl W., assignor.)
Automatic Drive and Transmission Company. (See Bateman, Roy D., assignor.)
Automatic Shifters, Inc. (See Hill, E. G., and Hey, assignors.)
Autoyre Company, The. (See Sanford, Roy S., assignor.)
Averill, Kathleen A. (See Coulter, J. N., and Williams.)
Aviation Manufacturing Corporation. (See Ayer, Robert W., assignor.)
Aviation Manufacturing Corporation. (See Gehret, Edward F., assignor.)
Ayer, Robert W., Wayne, Mich., assignor, by mesne assignments, to Aviation Manufacturing Corporation, Chicago, Ill. Operating device for control surfaces for airplanes. 2,181,258; Nov. 28.
Ayotte, Joseph P., and I. T. Holihan, assignors to Scovill Manufacturing Company, Waterbury, Conn. Lock switch for flashlights. 2,181,447; Nov. 28.
Babcock & Wilcox Company, The. (See Miller, Benjamin H., assignor.)
Badger, Henry. (See Shaffer, Harry G., assignor.)
Baird, William, and M. Jones, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Preservation of rubber. 2,181,719; Nov. 28.
Baldwin, Wayne A. (See Campbell, C. A., and Baldwin.)
Ball, Harvey W., assignor to The Morgan Engineering Company, Alliance, Ohio. Photoelectric control for traveling cranes or the like. 2,181,778; Nov. 28.
Balz, William G., and E. D. Clickner, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,181,259; Nov. 28.
Barber, Alfred W., Flushing, N. Y. Compensated diode detector. 2,181,469; Nov. 28.
Barber-Colman Company. (See Edgar, John, assignor.)
Barkeij, Jean A. H., Altadena, Calif. Power transmission mechanism. 2,181,541; Nov. 28.
Barnard, Thomas W., St. Paul, Minn. Skate guard. 2,181,779; Nov. 28.
Barnes, Allen L., Oak Park, Ill. Fluid pump or motor. 2,181,168; Nov. 28.
Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Hoist. 2,181,359; Nov. 28.
Barrett, Arthur M., Winnetka, Ill. Easel. 2,181,390; Nov. 28.
Barrett-Cravens Company. (See Barrett, Arthur M., assignor.)

Barthelemy, René, Fontenay aux Roses, assignor to Campagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Seine, France. Television receiver. 2,181,720; Nov. 28.

Bartling, Otto. (See Reynolds, Noel S., assignor.)

Bateman, Roy D., Washington, D. C., assignor to Automatic Drive and Transmission Company, Ossining, N. Y. Automatic clutch mechanism. 2,181,797; Nov. 28.

Bates, Jesse H., and T. H. Hansen, Wauwatosa, assignors to Harnischfeger Corporation, Milwaukee, Wis. Prefabricated house. 2,181,169; Nov. 28.

Baumbach, Emil A., Chicago, Ill. Leader pin oiler. 2,181,360; Nov. 28.

Beamer, Charles W., Mojave, Calif. Apparatus for dispensing straws. 2,181,542; Nov. 28.

Bean, Albert C., Kansas City, Mo., and J. B. Ray, Fort Worth, Tex. Pipe and forming same. 2,181,361; Nov. 28.

Becker, Ellsworth J. (See Becker, John C., O. C., and E. J.)

Becker, John C., O. C., and E. J., Maywood, Ill., assignors to Everett Experimental and Development Company, Shanghai, China. Burglar alarm. 2,181,648; Nov. 28.

Becker, John H., assignor to E. K. Davis, St. Louis, Mo. Stenographer's notebook cover and holder. 2,181,557; Nov. 28.

Becker, Ormonde C. (See Becker, John C., O. C., and E. J.)

Beckman, George O., assignor to Super Mold Corporation, Lodi, Calif. Pressure plate attachment for retread mold. 2,181,558; Nov. 28.

Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Producing a nitrate. 2,181,559; Nov. 28.

Behr, Siegfried, Flushing, assignor to Ben Hur Products, Inc., New York, N. Y. Brush comb with curler. 2,181,448; Nov. 28.

Behr, Siegfried, Flushing, assignor to Ben Hur Products, Inc., New York, N. Y. Curler comb. 2,181,472; Nov. 28.

Behrsin, August, Huntington Park, Calif. Oil burner. 2,181,500; Nov. 28.

Beisel, Rex B., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Airplane control device. 2,181,501; Nov. 28.

Bell Telephone Laboratories, Incorporated. (See Blount, Frank E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Curtis, Austen M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Given, Frederick J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kemp, A. R., and Malm, assignors.)

Bell Telephone Laboratories, Incorporated. (See Lewis, Herbert A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Miller, Ralph L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Nix, Foster C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Perreault, George E., assignor.)

Bell, William L., Oakland, Calif. Spinal brace. 2,181,689; Nov. 28.

Ben Hur Products, Inc. (See Behr, Siegfried, assignor.)

Bendix Aviation Corporation. (See Kurzina, Stanley B., Jr., assignor.)

Bendix Aviation Corporation. (See Reichel, Wladimir A., assignor.)

Bendix Aviation Corporation. (See Sanford, Roy S., assignor.)

Bendix Products Corporation. (See Kliesrath, Victor W., assignor.)

Bendix Products Corporation. (See McWade, Robert, Jr., and Lyndon, assignors.)

Bendix Products Corporation. (See White, John W., assignor.)

Bennett, Joseph S., Merion, assignor to American Engineering Company, Philadelphia, Pa. Water-cooled stoker. 2,181,473; Nov. 28.

Bentz, George B., New York, N. Y. Combination floor and tub towel racks. 2,181,543; Nov. 28.

Berg, Quentin, assignor to The Hoover Company, North Canton, Ohio. Ice tray. 2,181,114; Nov. 28.

Berger, Herbert R., Brooklyn, assignor to J. F. Jelenko & Co., Inc., New York, N. Y. Mandrel and polisher for polishing and grinding devices. 2,181,474; Nov. 28.

Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Clutch mechanism. 2,181,649; Nov. 28.

Bethlehem Steel Company. (See Epstein, S., and Larson, assignors.)

Bethlehem Steel Company. (See McCracken, Joseph E., assignor.)

Bethlehem Steel Company. (See Schenck, C., and Miller, assignors.)

Biggert, Florence C., Jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for welding metal strip end to end. 2,181,502; Nov. 28.

Biggert, Florence C., Jr., Crafton, and C. F. Buente, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Metal treating apparatus. 2,181,503; Nov. 28.

Biggs, Orrick H., Beverly, assignor to Hygrade Sylvania Corporation, Salem, Mass. Reflector bulb lamp. 2,181,291; Nov. 28.

Biggs, Orrick H., Beverly, assignor to Hygrade Sylvania Corporation, Salem, Mass. Reflector bulb lamp. 2,181,292; Nov. 28.

Biggs, Orrick H., Beverly, assignor to Hygrade Sylvania Corporation, Salem, Mass. Apparatus for irradiating foodstuffs and the like. 2,181,293; Nov. 28.

Biggs, Orrick H., Beverly, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electric discharge lamp. 2,181,294; Nov. 28.

Biggs, Orrick H., Beverly, and S. S. Davis, Lynn, assignors to Hygrade Sylvania Corporation, Salem, Mass. Reflector bulb lamp. 2,181,295; Nov. 28.

Björkman, Gustaf E., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,181,594; Nov. 28.

Blackley, James L., assignor to The Duplex Printing Press Company, Battle Creek, Mich. Ductor roller. 2,181,798; Nov. 28.

Blackstone Manufacturing Company. (See Conterman, Fred A., assignor.)

Blake, Dennis B. D., Chicago, assignor of one-half to D. E. Willard, Danville, Ill. Valve mechanism for shock absorbers. 2,181,415; Nov. 28.

Bliss, Harvey N., West Hartford, Conn., assignor to Veeder-Root Incorporated. Counter. 2,181,260; Nov. 28.

Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Lock. 2,181,313; Nov. 28.

Blount, Frank E., Cedar Grove, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical testing system. 2,181,560; Nov. 28.

Boardman, Cebert. (See Whittome, A. C., and Boardman.)

Bock Machine Company, The. (See Rowell, John T., assignor.)

Boettle, Max. (See Schlipp, L., and Boettle.)

Boggs, Walter W. (See Russell, J. K., Collins, and Boggs.)

Boldt, Werner F., Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Mounting for brake shoes. 2,181,721; Nov. 28.

Boles, Chalmers B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,181,416; Nov. 28.

Bole, George A. (See Co Van, H. E., and Bole.)

Bole, George A., and H. E. Co Van, assignors to Standard Pyrometric Cone Company, Columbus, Ohio. Punch and die mechanism for producing pyrometric cones. 2,181,618; Nov. 28.

Boley, Wilbur, Seattle, Wash. Brake testing apparatus. 2,181,544; Nov. 28.

Bolling, Robert P., Detroit, Mich. Stove structure. 2,181,362; Nov. 28.

Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Hatch construction. 2,181,115; Nov. 28.

Boothby, Albion M., Newton, and M. E. Gazette, Boston, Mass., assignors, by mesne assignments, to President and Directors of The Manhattan Company, New York, N. Y., as trustees for Gibson Patent Containers, Ltd. Container and closure therefor. 2,181,545; Nov. 28.

Borinquen Associates, Inc. (See Arroyo, Rafael, assignor.)

Bourdon, Pierre M., Paris, assignor to Michelin et Cie, Clermont-Ferraud, France. Cable. 2,181,475; Nov. 28.

Bowler, Ernest C., Jr., Portland, Maine. Lining unit for burial cases. 2,181,504; Nov. 28.

Bowles, Albert F., Jersey City, and S. Kaplan, Teaneck, assignors to The Richards Chemical Works, Incorporated, Jersey City, N. J. Aliphatic hydroxy ether ketones. 2,181,476; Nov. 28.

Bowman-Manifold, Michael, Worplesdon Station, and W. S. Percival, Hanwell, assignors to Electric & Musical Industries Limited, Middlesex, Hayes, England. Television and like system. 2,181,572; Nov. 28.

Bowman, Richard V., Philadelphia, Pa., assignor to Kee-Lox Manufacturing Company, Rochester, N. Y. Hectograph carbon and copy sheet assembly. 2,181,363; Nov. 28.

Boyd, Donald L., Huntington, W. Va., assignor to Carb-O-Spot Corporation, Athens, Ohio. Heating means for plate cylinders of rotary presses. 2,181,690; Nov. 28.

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Bowed curtain fixture. 2,181,417; Nov. 28.

Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)

Boyle, John D., Greenwich, Conn. Puzle. 2,181,116; Nov. 28.

Brackett, Clare L. (See Place, Charles E. S., assignor.)

Bradfield, Merrill L., Terre Haute, Ind., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph system. 2,181,505; Nov. 28.

Bradshaw, Charles E., assignor of one-third to C. Martin, Wellville, Va. Vehicle body mounting. 2,181,546; Nov. 28.

Brainard Steel Corporation. (See Adamson, Andrew E., assignor.)

Braun, Sylvan, assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Food chopper. 2,181,780; Nov. 28.

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner for liquid fuel. 2,181,261; Nov. 28.

Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Making continuous manifolding stationery. 2,181,117; Nov. 28.

Briggs, Guy L., St. Marys, Ohio. Humidifying apparatus. 2,181,650; Nov. 28.

Britton, Edgar C., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Hydrolysis of 1,3-dihalo-isobutanes. 2,181,297; Nov. 28.

Brown & Bigelow. (See Trollen, Martin E., assignor.)

Brown and Sharpe Manufacturing Company. (See Levesque, George N., assignor.)

Brown, Cal V., Santa Barbara, Calif. Package. 2,181,506; Nov. 28.

Brown, Charles H., Brooklyn, N. Y., assignor to Radio Corporation of America. Electronic device. 2,181,170; Nov. 28.

Browne, Floyd A., Cleveland, assignor of one-half to J. D. Overholt, Wooster, Ohio. Conveying mechanism. 2,181,298; Nov. 28.

Bruce, Wesley G., Dallas, Tex., dedicated to the free use of the People in the territory of the United States. Fly trap. 2,181,595; Nov. 28.

Brunette, Vernon L. (See Kelly, L. J., Mueller, and Brunette.)

Bucy, Edmond H., Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del. Dry-cleaning process. 2,181,691; Nov. 28.

Buente, Charles F. (See Biggert, F. C., Jr., and Buente.)

Bunker, Frank S., assignor to A. U. Magnan, Los Angeles, Calif. Affixing jewels in perforated plates. 2,181,573; Nov. 28.

Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Wheel assembly. 2,181,364; Nov. 28.

Burgeson, Gunnar E. and H. W., Chicago, and V. C. Wicklund, Oak Park, Ill. Sled. 2,181,391; Nov. 28.

Burgeson, Harvey W. (See Burgeson, Gunnar E. and H. W., and Wicklund.)

Burgess, William J., Palmyra, N. J., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Microporous separator and making the same. 2,181,299; Nov. 28.

Burnelli Aircraft, Limited. (See Burnelli, Vincent, assignor.)

Burnelli, Vincent J., assignor to Burnelli Aircraft, Limited, Keyport, N. J. All-wing airplane with separable flotation section. 2,181,574; Nov. 28.

Burner, Bingham, Annapolis, Md. Automatic infinitely variable transmission. 2,181,118; Nov. 28.

Burns, Joseph, Milwaukee, Wis. Abrasive wheel. 2,181,547; Nov. 28.

Burns, Wilford E., Burlingame, assignor to M. J. B. Company, San Francisco, Calif. Feed roll for sheet material. 2,181,314; Nov. 28.

Bushbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna. 2,181,171; Nov. 28.

Butter, Russell A., Orion, and L. B. Neighbour, assignors to Deere & Company, Moline, Ill. Caster wheel. 2,181,722; Nov. 28.

Calbeck, John H., Joplin, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Zinc sulphide pigment and improving the light stability of same. 2,181,651; Nov. 28.

Calco Chemical Co., The. (See Crossley, M. L., Kienle, and Peiker, assignors.)

Calhoon, Stanley B., Philadelphia, Pa. Meter-testing device. 2,181,172; Nov. 28.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,181,223; Nov. 28.

Campbell, Charles A., and W. A. Baldwin, Watertown, N. Y., assignors to The New York Air Brake Company. Valve for water systems of railway cars. 2,181,224; Nov. 28.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Pneumatic signaling device. 2,181,225; Nov. 28.

Capian, Solomon, New York, N. Y., assignor to The Harvel Corporation. Derivatives of a phenol obtained from cashew nut shell liquid and preparing same. 2,181,119; Nov. 28.

Caputo, James V., Crafton, Pa. Electric welding machine. 2,181,652; Nov. 28.

Carbide and Carbon Chemicals Corporation. (See Fligor, Kermith K., assignor.)

Carb-O-Spot. (See Boyd, Donald L., assignor.)

Carrier Corporation. (See Ashley, Carlyle M., assignor.)

Carrier Corporation. (See Shawhan, Sam F., assignor.)

Cartwright, Eugene M., North Woodbury, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Sizing the terminals of pipe fittings. 2,181,577; Nov. 28.

Carvalho, Leslie R. N., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Receptacle closure. 2,181,799; Nov. 28.

Casco Products Corporation. (See Cohen, J. H., and Youhouse, assignors.)

Case, J. I., Company. (See Traphagen, Harry R., assignor.)

Caspersson, Karl A., Alsten, assignor to Aktiebolaget Superior, Stockholm, Sweden. Lawn mower. 2,181,781; Nov. 28.

Catanach, Arthur E., and E. Kolthoff, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Dispersing agent and making the same. 2,181,449; Nov. 28.

Catulle, Gene, Brackenridge, Pa. Backed roll mill. 2,181,173; Nov. 28.

Celanese Corporation of America. (See Elvin, W. J., and Killoran, assignors.)

Chamberlain Corporation. (See Etten, Nicholas L., assignor.)

Chapin, Waldo M., et al. (See Palmieri, Cesare, assignor.)

Charak, Estey P., Newton Center, assignor to Charak Furniture Company, Boston, Mass. Extension table. 2,181,262; Nov. 28.

Charak Furniture Company. (See Charak, Estey P., assignor.)

Chase Brass & Copper Co. Incorporated. (See Cartwright, Eugene M., assignor.)

Chase-Shawmut Company, The. (See Wood, Morris B., assignor.)

Chatham, Clyde L., Nutley, N. J., assignor to Line Material Company, South Milwaukee, Wis. Dead-end cable gripping device. 2,181,392; Nov. 28.

Cheney, Charles W., Soho, Birmingham, England. Extensible hasp and hinge fittings for attaché and suit cases and the like. 2,181,723; Nov. 28.

Chicago Cardboard Company. (See Ziemmerman, Henry, assignor.)

Chickering, Louis, Cincinnati, Ohio. Ornamental ring. 2,181,507; Nov. 28.

Chipman, John B., Webster Groves, Mo. Lumber piling rack. 2,181,356; Nov. 28.

Chipman, John B., Webster Groves, Mo. Piling lumber. 2,181,357; Nov. 28.

Chirelstein, Nathan, Chicago, Ill. Attachment plug. 2,181,575; Nov. 28.

Chirelstein, Nathan, Chicago, Ill. Attachment plug. 2,181,576; Nov. 28.

Chupp, Carl B., Abington, Pa. Aerial device. 2,181,477; Nov. 28.

Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)

Clark Equipment Company. (See Burger, Frederick W., assignor.)

Clauder, Earle A., Madison, Wis., assignor to Ever-Flo Manufacturing Company, Inc. Shampoo apparatus. 2,181,653; Nov. 28.

Clickner, Earle D. (See Balz, W. G., and Clickner.)

Coates, Fielding C., assignor to Mole-Richardson Co., Los Angeles, Calif. Control for arc lamps. 2,181,174; Nov. 28.

Cohen, Alvin H., assignor of one-half to F. L. Katz, New York, N. Y. Garment-ventilating means. 2,181,175; Nov. 28.

Cohen, Joseph H., Bridgeport, and J. Youhouse, Fairfield, assignors to Casco Products Corporation, Bridgeport, Conn. Electric motor. 2,181,418; Nov. 28.

Coleman, Gerald H. (See Britton, E. C., and Coleman.)

Collins, Richard, et al. (See Hoenig, Heinrich, assignor.)

Collins, William B. (See Russell, J. K., Collins, and Boggs.)

Columbus Auto Parts Company, The. (See Flumerfelt, William A., assignor.)

Commercial Shearing & Stamping Company, The. (See Cushwa, C. B., and White, assignors.)

Commercial Shearing and Stamping Company, The. (See White, Thomas L., assignor.)

Commercial Solvents Corporation. (See Martin, Jerome, assignor.)

Commercial Solvents Corporation. (See Vanderbilt, Byron M., assignor.)

Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz. (See Barthelemy, René, assignor.)

Consolidated Sewing Machine & Supply Co. Inc. (See Ingwer, M., and Fleisher, assignors.)

Conterman, Fred A., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y. Washing machine. 2,181,596; Nov. 28.

Continental Can Company. (See Flugge, Sylvester L., assignor.)

Continental Can Company. (See Kronquest, Alfred L., assignor.)

Continental Can Company. (See Pearson, Paul E., assignor.)

Continental Can Company. (See Plumb, Walter G., assignor.)

Continental Can Company. (See Yarwood, Lancelot, assignor.)

Conway, Roy. (See Leistner, C. A., and Conway.)

Cook, John A., McAfee, N. J. Automatic weighing bag filler. 2,181,756; Nov. 28.

Cook, Leon W., Beacon, assignor to The Texas Company, New York, N. Y. Dewaxing of mineral oils. 2,181,638; Nov. 28.

Coolidge, William D., and W. K. Kearsley, Schenectady, N. Y., assignors to General Electric Company. Electrostatic machine. 2,181,724; Nov. 28.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration. 2,181,561; Nov. 28.

Cooper, Arthur, Elvaton, Md. Expansible plate clamp assembly for a cylinder of a printing press. 2,181,846; Nov. 28.

Copeland, John E. (See Le Jeune, F. H., and Copeland.)

Coppock, Philip D., Higher Bebington, England. Production of modified dextrins. 2,181,782; Nov. 28.
Cornell Research Foundation, Inc. (See Tressler, Donald K., assignor.)
Corsaro, Louisa, et al. (See Palmieri, Cesare, assignor.)
Cory, Harvey, Chicago, Ill. Coffee brewer. 2,181,578; Nov. 28.
Coulter, Jonathan N., and B. Williams, assignors to K. A. Averill, Los Angeles, Calif. Protective device for clothespresses. 2,181,176; Nov. 28.
Co Van, Harry E. (See Bole, G. A., and Co Van.)
Co Van, Harry E., and G. A. Bole, assignors to Standard Pyrometric Cone Company, Columbus, Ohio. Press for producing pyrometric cones. 2,181,619; Nov. 28.
Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,181,365; Nov. 28.
Crane, Roland G. (See Perkins, M. F., and Crane.)
Creson, William K., assignor to Ross Gear & Tool Company, La Fayette, Ind. Horn button. 2,181,783; Nov. 28.
Crooks, Charles L., Pueblo, Colo. Automatic door lock. 2,181,393; Nov. 28.
Crosby Naval Stores, Incorporated. (See Price, Robert E., assignor.)
Cross, Burl G., Lansing, Mich. Furnace heat economizer. 2,181,597; Nov. 28.
Crossley, Moses L., Plainfield, R. H. Klenle, Bound Brook, and A. L. Pelker, East Bound Brook, assignors to The Calco Chemical Co., Inc., Bound Brook, N. J. Colloidized azo coloring matter. 2,181,800; Nov. 28.
Crowell, Gordon W., Belleville, N. J. Spring suspension for automobiles. 2,181,692; Nov. 28.
Cunha, Anthony M., Providence, assignor of one-half to A. Jodoin, Marieville, R. I. Horn control for a motor vehicle. 2,181,419; Nov. 28.
Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission line. 2,181,579; Nov. 28.
Curtis, Edma H., Jr., Cincinnati, assignor to The Nivison-Weiskopf Company, Reading, Ohio. Paper die cutting machine. 2,181,639; Nov. 28.
Cushwa, Charles B., and T. L. White, Youngstown, Ohio, assignors to The Commercial Shearing & Stamping Company. Liner segment. 2,181,508; Nov. 28.
Cutler-Hammer, Inc. (See Stansbury, Carroll, assignor.)
Cutshall, Walter J., Columbus, Ohio. Clothesline reel. 2,181,226; Nov. 28.
Dahlke, Adolph R., Wausau, Wis. Toilet ventilator. 2,181,510; Nov. 28.
Dake, Charles W., Grand Haven, Mich. Power generating apparatus. 2,181,120; Nov. 28.
Davenport, Franklyn E., Watertown, N. Y., assignor to Knowlton Brothers. Joint sealing strip. 2,181,530; Nov. 28.
Davenport, Howard W., Minden, La. Apparatus for heating gas. 2,181,654; Nov. 28.
Davenport, Willard M., Odessa, Tex. Tube cutting tool. 2,181,450; Nov. 28.
Davison, Charles R. (See Turner, E. A., and Davison.)
Davis, E. K. (See Becker, John H., assignor.)
Davis, Ellery L., Lincoln, Nebr. Oscillating sprinkler. 2,181,227; Nov. 28.
Davis, Howard C., Elizabeth, N. J. Deposition. 2,181,177; Nov. 28.
Davis, Stuart S. (See Biggs, O. H., and Davis.)
Davison, Harry B., Crown Point, and E. M. Rice, Hanna, Ind. Air conditioning apparatus. 2,181,801; Nov. 28.
Dean, Charles A., Compton, Calif. Earth drill bit head. 2,181,394; Nov. 28.
Dean, Charles A., Compton, Calif. Rotary bit. 2,181,395; Nov. 28.
Deanesly, Richard M., and A. Wachter, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Process and products relating to production of valuable hydrocarbons. 2,181,640; Nov. 28.
Deere & Company. (See Butter, R. A., and Neighbour, assignors.)
Deere & Company. (See Strandlund, Carl G., assignor.)
De Ganahl, Carl, and W. L. Sutton, assignors to Fleetwings, Inc., Bristol, Pa. Fluid actuated operating mechanism. 2,181,562; Nov. 28.
Dehn, George J., Chicago, Ill. Grease separator. 2,181,263; Nov. 28.
Delaval-Crow, Thomas C. (See Glacy, E. W., and Delaval-Crow.)
Delaval-Crow, Thomas C., and E. W. Glacy, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich. Driving mechanism for cycles. 2,181,425; Nov. 28.
De Laval Separator Company, The. (See Fröding, Olof E., assignor.)
Demmon, Harvey, Sharon, Pa. Apparatus for circle shearing. 2,181,315; Nov. 28.
Denver Fire Clay Company, The. (See Gawan, Frank, assignor.)
Dessauer, Friedrich, and K. Lion, Istanbul, Turkey. Switch or control arrangement for operating X-ray apparatus. 2,181,775; Nov. 28.
Deutsche Hydrierwerke Aktiengsellschaft. (See Goll, G., and Helft, assignors.)
Dictograph Products Company. (See Waite, William H., assignor.)
Dictaphone Corporation. (See Norton, Leland D., assignor.)
Dictaphone Corporation. (See Renholdt, John E., assignor.)
Domoto, Takanoshin, Oakland, Calif. Can for rice and similar edible substances. 2,181,511; Nov. 28.
Dough-King, Inc. (See Gunsolley, Verne V., assignor.)
Douglas Aircraft Company. (See Otterson, Otto H., assignor.)
Dow, Alden B., Midland, Mich. Structural facing unit. 2,181,451; Nov. 28.
Dow Chemical Company, The. (See Britton, E. C., and Coleman, assignors.)
Downing, Frederick B., Carneys Point, and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic substances. 2,181,121; Nov. 28.
Downing, Frederick B., Carneys Point, and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic substances. 2,181,122; Nov. 28.
Drapeau, Joseph E., Jr., Calumet City, Ill., and L. G. Klinker, Hammond, Ind., assignors to The Glidden Company, Cleveland, Ohio. Treatment of metallic powders. 2,181,123; Nov. 28.
Dresner, S., & Son, Inc. (See Plotkin, Joseph H., assignor.)
Dreyfus, Henry, London, England. Manufacture of cellulose derivatives. 2,181,264; Nov. 28.
Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,181,265; Nov. 28.
Dugan, Thomas M., and A. C. Marton, McKeesport, Pa., assignors to National Tube Company. Scaffold. 2,181,784; Nov. 28.
Duncan, John O., assignor of one-half to C. C. Liest, Fresno, Calif. Trailer hitch. 2,181,178; Nov. 28.
Duplex Printing Press Company, The. (See Blackley, James L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Pedersen, assignors.)
Du Pont, E. I., de Nemours & Company. (See Edwards, D. H., and Hartman, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hanson, Victor F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, W. A., and Rigby, assignors.)
Du Pont, E. I., de Nemours & Company. (See Martin, Elmore L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Scott, Norman D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wernlund, Christian J., assignor.)
Durup, Paul H., Wollaston, assignor to Art-O-Graphic Printing Company, Inc., Boston, Mass. Cleaning brush. 2,181,266; Nov. 28.
Eastman Oil Well Survey Company. (See Potts, Ernest L., assignor.)
Eccleston, Howard R., Washington, D. C., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Closure for bottles and jars and making the same. 2,181,179; Nov. 28.
Eckart, Harry G. L., Sydney, New South Wales, assignor to Alluvial Mining Equipment Limited, Sydney, Australia. Locking means for bucket pins. 2,181,125; Nov. 28.
Eckel, Arthur F., Chicago, Ill. Reflector. 2,181,725; Nov. 28.
Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Making form tools. 2,181,396; Nov. 28.
Edison, Thomas A., Incorporated. (See Bradfield, Merrill L., assignor.)
Edison, Thomas A., Incorporated. (See Kurtze, Newton I., assignor.)
Edmont Manufacturing Company. (See Montgomery, Edward E., assignor.)
Edwards, David H., Kenmore, and R. E. Hartman, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Tube cutting apparatus. 2,181,124; Nov. 28.
Edwards, Donald V., Montclair, and E. B. Van Note, Trenton, N. J., assignors to Electrons, Inc. of Delaware. Electron tube. 2,181,366; Nov. 28.
Edwards, William E. (See Sutcliffe, E. R., and Edwards.)
Electric & Musical Industries Limited. (See Bowman-Manifold, M., and Percival, assignors.)
Electric & Musical Industries, Limited. (See Nicoll, Frederick H., assignor.)
Electric Storage Battery Company, The. (See Burgess, William J., assignor.)
Electric Storage Battery Company, The. (See Leingang, W. C., and Rudisill, assignors.)
Electric Storage Battery Company, The. (See Lord, Edward L., assignor.)
Electrical Research Products, Inc. (See Lowe, Charles W., assignor.)
Electrolux Corporation. (See Björkman, Gustaf, E., assignor.)
Electrons, Inc. of Delaware. (See Edwards, D. V., and Van Note, assignors.)
Elvin, William J., Cumberland, Md., and J. L. Killoran, Drummondville, Quebec, Canada, assignors to Celanese Corporation of America. Reciprocating guide head for yarn packaging device. 2,181,267; Nov. 28.

Enterprise Manufacturing Company of Pennsylvania, The. (See Braun, Sylvan, assignor.)
Epstein, Samuel, Bethlehem, and H. C. Larson, Johnstown, Pa., assignors to Bethlehem Steel Company. Steel treatment. 2,181,693; Nov. 28.
Erickson, George L. (See Kline, B. L., Parrott, and Erickson.)
Esterbrook Steel Pen Manufacturing Co., The. (See Kofke, Harry C., assignor.)
Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer roll tensioning. 2,181,316; Nov. 28.
Evans, Harold W., Wilkes-Barre, Pa. Universal mounting. 2,181,126; Nov. 28.
Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Folding propulsion wheel chair. 2,181,420; Nov. 28.
Everett, Charles E., assignor to The Massey-Harris Company, Racine, Wis. Dual purpose feed mill. 2,181,397; Nov. 28.
Everett Experimental and Development Company. (See Becker, John C., O. C., and E. J., assignors.)
Ever-Flo Manufacturing Company. (See Clauder, Earle A., assignor.)
Fagan, Louis J., Ashville, N. Y. Automatic thawing and condensation return device for automobile radiators. 2,181,598; Nov. 28.
Fahr, George E., and A. C. Kerkhof, Minneapolis, Minn. Vaporizer. 2,181,421; Nov. 28.
Faires, Arthur W., L. E. Fine, and W. H. Green; M. Faires administratrix of A. W. Faires, deceased, said administratrix assignor to M. Faires, Wilkes-Barre, Pa. Electrical connector. 2,181,802; Nov. 28.
Faires, Martha, administratrix. (See Faires, A. W., Fine, and Green.)
Falk Corporation, The. (See Schmitter, Walter P., assignor.)
Falk, Irving M. (See Albero, Andrew D., assignor.)
Farr, Dexter, Ogden, Utah. Producing an edible product. 2,181,655; Nov. 28.
Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Remote indicator. 2,181,803; Nov. 28.
Feige, Rudolf, Tel Aviv, Palestine. Hat. 2,181,180; Nov. 28.
Felcher, Fred R., Chicago, Ill. Making artificial teeth. 2,181,694; Nov. 28.
Ferguson, Arthur P., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Fender skirt locking mechanism. 2,181,367; Nov. 28.
Ferguson, Alexander D., Michigan City, Ind., assignor to Sullivan Machinery Company. Pumping apparatus. 2,181,127; Nov. 28.
Fernstrom, Charles, Oak Island, Minn., assignor of one-half to C. A. Johnson, L. Aanerud, and G. Stokes, Chicago, Ill. Attachment for fishing lines. 2,181,317; Nov. 28.
Ferrex Corporation. (See Gersman, Harvey M., assignor.)
Fessenden, Edward E., Jr., Kingston, N. Y. Machine driving and stopping mechanism. 2,181,318; Nov. 28.
Fiene, Marcus E., Ballston Lake, N. Y., assignor to General Electric Company. Apparatus for transferring heat. 2,181,726; Nov. 28.
Fine, Leland E. (See Faires, A. W., Fine, and Green.)
Finizio, Nello, Peekskill, N. Y. Roasting machine. 2,181,847; Nov. 28.
Firestone, Vance S., assignor to The Pharis Tire and Rubber Company, Newark, Ohio. Machine for cutting strip stock. 2,181,398; Nov. 28.
Fitzgibbin, J. E., et al. (See Stortz, Anton J., assignor.)
Fitzgerald, Harold R., Rocky River, assignor to The Midland Steel Products Company, Cleveland, Ohio. Servomotor for vehicle brakes. 2,181,757; Nov. 28.
Fitzpatrick, Jeremiah, Weymouth, Mass. Last. 2,181,368; Nov. 28.
Fitzsimmons, Richard R., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Ice tray. 2,181,580; Nov. 28.
Fleet, Reuben H., W. B. Wheatley, and I. M. Laddon, San Diego, Calif. Braking method and device for airplane launching systems. 2,181,656; Nov. 28.
Fleetwings, Inc. (See de Ganahl, C., and Sutton, assignors.)
Fleisher, Harry. (See Ingwer, M., and Fleisher.)
Fleming, Harry, et al. (See Wheeler, Joseph, assignor.)
Fligor, Kermith K., Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation. Heat stable vinyl resin compositions. 2,181,478; Nov. 28.
Flugge, Sylvester L., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Method of and apparatus for coating sheet metal container side seams. 2,181,319; Nov. 28.
Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus Ohio. Ball joint. 2,181,300; Nov. 28.
Fluor Corporation, The. (See Hutchinson, Arthur J. L., assignor.)
Flynn, Benjamin H., Alexandria, La. Road machine. 2,181,320; Nov. 28.
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Food Machinery Corporation. (See Twomley, Herbert E., assignor.)
Forbes, Walter S., Staten Island, N. Y. Returnable utility cabinet. 2,181,399; No. 28.
Ford, Walter D., Columbus, Ohio. Transferringv photographic designs on ceramic ware. 2,181,452; Nov. 28.
Foster, John P., Pala, Hawaii, and H. L. Joachim, San Francisco, Calif., assignors to Maui Agricultural Company, Ltd., Pala, Hawaii. Liberating cellulose from bagasse. 2,181,785; Nov. 28.
Fox, Harry, Soldier Summit, Utah. Journal box. 2,181,268; Nov. 28.
Frank, Orville S., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Purification of methyl violet. 2,181,369; Nov. 28.
Frankenburger, Walter. (See Herbst, M., and Frankenburger.)
Franklin Steel Works. (See Long, George, assignor.)
Frantz, Virgil L., assignor to Graham-White Sander Corporation, Roanoke, Va. Automatic high speed sanding mechanism. 2,181,804; Nov. 28.
Fraser, James, Edge Moor, assignor to Speakman Company, Wilmington, Del. Self-closing measuring valve. 2,181,581; Nov. 28.
Friedländer, Erich, Berlin-Siemensstadt, and O. Schmutz, Berlin-Haselhorst, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power regulation. 2,181,321; Nov. 28.
Fritz, Oswald R., Neckarsulm, Germany, assignor to Ural-Maschinenvertriebsgesellschaft m. b. H., Vienna, Austria. Starting device for internal combustion motors and similar engines. 2,181,805; Nov. 28.
Fröding, Olof E., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Refining vegetable and animal oils. 2,181,563; Nov. 28.
Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
Fulton, Nell, New York, N. Y. Coin holder. 2,181,806; Nov. 28.
Gage, Joseph A. (See Johnson, Ben H., assignor.)
Gawan, Frank, assignor to The Denver Fire Clay Company, Denver, Colo. Controlling fluid supply. 2,181,422; Nov. 28.
Gazette, Marshall E. (See Boothby, A. M., and Gazette.)
Gebruder Brehmer Maschinenfabrik. (See Klemm, Rudolf, assignor.)
Geddes, John W., Watertown, assignor to H. K. Porter, Inc., Everett, Mass. Bolt lock. 2,181,301; Nov. 28.
Geers, Cyrus A., F. B., and W. A., Collinsville, Ill. Splash guard. 2,181,807; Nov. 28.
Geers, Ferguson B. (See Geers, Cyrus A., F. B., and W. A.)
Geers, William A. (See Geers, Cyrus A., F. B., and W. A.)
Geffken, Otto C. (See Vandercock, D. D., and Geffken.)
Gehret, Edward F., Jersey Shore, assignor to Aviation Manufacturing Corporation, Williamsport, Pa. Manufacture of propeller blades. 2,181,269; Nov. 28.
Geissinger, Harry G., Cleveland, Ohio. Measurement and control of the flow of viscous fluids. 2,181,322; Nov. 28.
Gelakoski, George B., Aurora, Ill. Gas meter reading scope. 2,181,453; Nov. 28.
General Aniline Works, Inc. (See Kracker, H., Scherer, Müller, and Schumacher, assignors.)
General Electric Company. (See Coolidge, W. D., and Kearsley, assignors.)
General Electric Company. (See Faus, Harold T., assignor.)
General Electric Company. (See Fiene, Marcus E., assignor.)
General Electric Company. (See Greentree, Charles D., assignor.)
General Electric Company. (See McNeil, Roderick S., assignor.)
General Electric Company. (See Mooney, David A., assignor.)
General Electric Company. (See Otis, Albert N., assignor.)
General Electric Company. (See Patnode, Winton I., assignor.)
General Electric Company. (See Rosch, Arthur, assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Motors Corporation. (See Boles, Chalmers B., assignor.)
General Motors Corporation. (See Delaval-Crow, T. C., and Glacy, assignors.)
General Motors Corporation. (See Glacy, E. W., and Delaval-Crow, assignors.)
General Motors Corporation. (See Smith, Harry F., assignor.)
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Ice tray. 2,181,582; Nov. 28.
Gerhard, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Short wave reflector. 2,181,181; Nov. 28.
Gresmhn, Harvey M., assignor to Ferrex Corporation, New York, N. Y. Producing slitted blanks. 2,181,228; Nov. 28.
Gibson Patent Containers, Ltd. (See Boothby, A. M., and Gazette, assignors.)
Giet, John, Jamaica, N. Y., and H. Miedendorp, Jr., Glen Rock, N. J. Thread cleaner. 2,181,479; Nov. 28.
Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Solenoid mechanism. 2,181,423; Nov. 28.

Gillett, Merriman C., Philadelphia, Pa., E. N. Sanbern, Rockville Centre, N. Y., and A. O. Roche, Jr., Stamford, Conn., assignors to Hoffman Specialty Company, New York, N. Y. Heating system. 2,181,480; Nov. 28.

Gilpin, Garth G., Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Railway car construction. 2,181,583; Nov. 28.

Given, Frederick J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical condenser. 2,181,695; Nov. 28.

Glacy, Edward W. (See Delaval-Crow, T. C., and Glacy.)

Glacy, Edward W., and T. C. Delaval-Crow, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich. Driving mechanism for cycles. 2,181,424; Nov. 28.

Glezen, Lewis E., assignor to Union Steel Products Company, Albion, Mich. Baker's oven. 2,181,323; Nov. 28.

Glidden Company, The. (See Drapeau, J. E., Jr., and Klinker, assignors.)

Glidden Company, The. (See Heberer, Albert J., assignor.)

Glover, Edwin, assignor of one-fourth to J. G. Hand, Jackson, Miss. Card holder. 2,181,324; Nov. 28.

Goguen, Charles J., Chicago, Ill., and S. S. Stewart, Jr., Flint, Mich. Vent plug terminal. 2,181,182; Nov. 28.

Goldman, Sam, Brooklyn, N. Y. Battery carrying strap. 2,181,400; Nov. 28.

Goldsmith, Alfred N., New York, N. Y. Signaling system. 2,181,564; Nov. 28.

Goldsmith, Bertram J., New York, N. Y. Dispensing and displaying means for narrow fabrics. 2,181,808; Nov. 28.

Goll, Georg, and E. Helft, Berlin, assignors to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Material and method for the treatment of rubber. 2,181,426; Nov. 28.

Gooch, Claiborne W., Jr., Lynchburg, Va. Feeder for cigarette making machines. 2,181,229; Nov. 28.

Goodrich, B. F., Company, The. (See Williams, Herschel V., Jr., assignor.)

Goon, Earl B., Niles, and G. W. Heath, Niles Township, Berrien County, Mich. Valved fluid outlet. 2,181,758; Nov. 28.

Gorey, Helen M., New York, N. Y. Scrubbing machine. 2,181,548; Nov. 28.

Gorger, Leo E., Lexington, Oreg. Implement hitch. 2,181,270; Nov. 28.

Gorman, James C. (See Rupp, H. E., and Gorman.)

Gorsuch, George J., Rochester, N. Y. Combustion apparatus. 2,181,727; Nov. 28.

Graf, Edwin L. (See Simpson, E. G., and Graf.)

Graham-White Sander Corporation. (See Frantz, Virgil L., assignor.)

Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,181,427; Nov. 28.

Grant, Jordan W. (See Irwin, Joseph D., assignor.)

Graves, Mark S., Los Angeles, Calif. Brake. 2,181,271; Nov. 28.

Gray, Daniel M., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Composition for liners. 2,181,481; Nov. 28.

Grayson Heat Control, Ltd. (See Grayson, John H., assignor.)

Grayson, John H., assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Thermostatic control device. 2,181,809; Nov. 28.

Green Bay Food Company. (See Kelly, L. J., Mueller, and Brunette, assignors.)

Green, William H. (See Faires, A. W., Fine, and Green.)

Greenleaf, William H., Chicago, Ill. Weighing scale. 2,181,272; Nov. 28.

Greentree, Charles D., Schenectady, N. Y., assignor to General Electric Company. Traffic analyzer. 2,181,728; Nov. 28.

Greneker, Lillian L., New York, N. Y. Display form. 2,181,325; Nov. 28.

Grethe, Theodor, Hamburg, Germany. Improvement of tea free from or poor in caffeine and improved decaffeinized tea. 2,181,549; Nov. 28.

Greve, Herman L., Hollis, N. Y. Carton. 2,181,483; Nov. 28.

Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y. Fibroid case. 2,181,482; Nov. 28.

Griffin, Alvin G., Pittsburgh, Pa. Glider. 2,181,326; Nov. 28.

Groat, Keith P., Canton, Ohio, assignor to York Ice Machinery Corporation, York, Pa. Heat exchange apparatus. 2,181,230; Nov. 28.

Groggins, Philip H., J. T. Stearn, and B. Makower, Washington, D. C. Synthetic thermoplastic resins. 2,181,231; Nov. 28.

Gross, Alfred G., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,181,584; Nov. 28.

Grove, Marvin H., Berkeley, Calif. Flow regulator. 2,181,428; Nov. 28.

Grubb, Gunnar. (See Kögel, W. G., Strandberg, and Grubb.)

Gruen Watch Company, The. (See Katz, Benjamin S., assignor.)

Guggenheim, Paul, assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Automobile radio antenna. 2,181,327; Nov. 28.

Guiberson Corporation, The. (See Thaheld, Feri A., assignor.)

Guinot, Henri M., Niort, Deux-Sevres, assignor to Les Usines de Melle, Melle, France. Vulcanizing rubber. 2,181,454; Nov. 28.

Gulf Oil Corporation. (See Catanach, A. E., and Kolthoff, assignors.)

Gulf Research & Development Company. (See Stevens, D. R., and Nickels, assignors.)

Gunderson, Reuben J., Chicago, Ill. Device for, and method of, protecting hog-carcass tongues. 2,181,370; Nov. 28.

Gunsolley, Verne V., assignor to Dough-King, Inc., Minneapolis, Minn. Turner for doughnut machines. 2,181,599; Nov. 28.

Gussack, Henry W., Richmond Hill, N. Y. Carpet sweeper. 2,181,455; Nov. 28.

Guy, Frederick M., assignor to Guy and Murton, Incorporated, Detroit, Mich. Flexible coupling. 2,181,183; Nov. 28.

Guy and Murton, Incorporated. (See Guy, Frederick M., assignor.)

Haag, Johannes, Neunkirchen, Germany. Device for flues, chimneys, and the like. 2,181,232; Nov. 28.

Hack, Frank W., Wauconda, Ill. Universal machine tool. 2,181,128; Nov. 28.

Hamlin, Louis. (See Smith, Walter D., assignor.)

Hand, John G. (See Glover, Edwin, assignor.)

Hanners, Harvey W. (See Stern, A. F., and Hanners.)

Hansen, Everett A., St. Paul, Minn. Speed governor for automotive vehicles. 2,181,429; Nov. 28.

Hansen Manufacturing Company. (See Anslinger, Justin V., assignor.)

Hansen, Thor H. (See Bates, J. H., and Hansen.)

Hanson, Victor F., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for producing carbon black. 2,181,759; Nov. 28.

Harnischfeger Corporation. (See Bates, J. H., and Hansen, assignors.)

Harris, George W., and J. Voss, Chicago, Ill. Hydraulic air compressor. 2,181,729; Nov. 28.

Harris, William D., assignor to Refinoil Manufacturing Corporation, Kansas City, Mo. Electric heating element. 2,181,484; Nov. 28.

Hart-Carter Company. (See Ingraham, Charles C., assignor.)

Hartman, Roy E. (See Edwards, D. H., and Hartman.)

Hartman, William W., Los Angeles, Calif. Band blade slicing machine. 2,181,233; Nov. 28.

Hartung, John A. (See Koppitz, B. A., and Hartung.)

Harvel Corporation, The. (See Caplan, Solomon, assignor.)

Hass, Henry B., and L. W. Seigle, assignors to Purdue Research Foundation, La Fayette, Ind. Production of dinitro derivatives of saturated non-benzenoid hydrocarbons. 2,181,531; Nov. 28.

Haupt, Walter H., Ludlow, assignor to The Kelley-Koett Manufacturing Company, Incorporated, Covington, Ky. Therapy head for X-ray apparatus. 2,181,620; Nov. 28.

Haupt, Wilhelm, Dortmund-Hoerde, Germany. Riveted joint. 2,181,550; Nov. 28.

Hawes, Charlie L., Ashtabula, Ohio. Mechanical movement. 2,181,234; Nov. 28.

Hawk, Charles E., Muncie, Ind., assignor to Owens-Illinois Glass Company. Glass block trimmer. 2,181,810; Nov. 28.

Hawkins, Paul, Company. (See Stone, F. B., Arquette, and Rossetter C. F. and R. J., assignors.)

Hawthorne, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Switching of metal stock and the like. 2,181,401; Nov. 28.

Hayden, Alfred J., Port Orange, Fla. Animal trap. 2,181,551; Nov. 28.

Hazel-Atlas Glass Company. (See Eccleston, Howard R., assignor.)

Hazel-Atlas Glass Co. (See Gray, Daniel M., assignor.)

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Heath, Garris W. (See Goon, E. B., and Heath.)

Heberer, Albert J., Maywood, Ill., assignor to The Glidden Company, Cleveland, Ohio. Adhesive. 2,181,129; Nov. 28.

Heise, Otto W., Bridgeport, Conn. Pressure gauge. 2,181,730; Nov. 28.

Helft, Ernst. (See Goll, G., and Helft.)

Hemphill Company. (See Lawson, R. H., and Armitage, assignors.)

Herbst, Max, Mannhiem-Rheinau, and W. Frankenburger, Ludwigshafen, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Gelatin relief. 2,181,485; Nov. 28.

Hercules Powder Company. (See Shankweiler, Fred K., assignor.)

Hermann, Dietrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electrical wave generator. 2,181,328; Nov. 28.

Hermson, John H. (See Pierce, H. M., and Hermson.)

Herr, Adam, assignor of one-half to J. Herr, Sheboygan, Wis. Vehicle operated overhead door. 2,181,552; Nov. 28.

Herr, John. (See Herr, Adam, assignor.)

Herrschaft, William, New York, N. Y. Projection device. 2,181,696; Nov. 28.

Herst, David, Lebanon, Pa. Positive grip headless bolt. 2,181,657; Nov. 28.

Hewitt, Alfred G., La Grange Park, assignor to The Visking Corporation, Chicago, Ill. Package. 2,181,329; Nov. 28.

Hey, Henry W. (See Hill, E. G., and Hey.)

Hicks, Harold C., Taft, Calif. Rotary drilling machine and pipe tongs. 2,181,641; Nov. 28.

Higley, Frank R., Cleveland Heights, Ohio. Chromatic device. 2,181,184; Nov. 28.

Hill, Edward G., and H. W. Hey, assignors to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism for motor vehicles. 2,181,532; Nov. 28.

Hill, Richard T. (See Snyder, D. A., and Hill.)

Hiller, Vernon W., Clay, N. Y. Milk cooler. 2,181,553; Nov. 28.

Hinckley, William T., Chicago, assignor to Whiting Corporation, Harvey, Ill. Multiple effect evaporator and the like. 2,181,731; Nov. 28.

Hoenig, Heinrich, Dusseldorf, Germany, assignor to R. Collins and J. J. Sheridan, Dublin, Ireland, and P. M. Scher, London, England. Manufacture of hollow bodies and containers from artificial resins. 2,181,786; Nov. 28.

Hoffman, Rose, Hartford, Conn. Marking device and using the same. 2,181,600; Nov. 28.

Hoffman Specialty Company. (See Gillett, M. C., Sanbern, and Roche, assignors.)

Holden, Daniel L., et al. (See Wheeler, Joseph, assignor.)

Holihan, Irving T. (See Ayotte, J. F., and Holihan.)

Holmes, Henry S. (See Phelps, G. H., and Holmes.)

Hoover Company, The. (See Berg, Quentin, assignor.)

Hoover Company, The. (See Coons, Curtis C., assignor.)

Hoover Company, The. (See Fitzsimmons, Richard R., assignor.)

Hoover Company, The. (See Gerber, Dale C., assignor.)

Hoover Company, The. (See Gross, Alfred G., assignor.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Hoover Company, The. (See Whiteaker, Uncas A., assignor.)

Hoppe, William, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Bread slicing machine. 2,181,680; Nov. 28.

Hoppe, William, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Bread slicing machine. 2,181,681; Nov. 28.

Horlebeck, Albert, and C. Wiesmann, Wuppertal-Barmen, Germany. Steam oven for baking. 2,181,130; Nov. 28.

Houdaille-Hershey Corporation. (See Fergueson, Arthur P., assignor.)

Houdry Process Corporation. (See Prickett, Thomas B., assignor.)

Hudson, John L., Vancouver, British Columbia, Canada. Closure for collapsible tubes. 2,181,430; Nov. 28.

Hughes, Everett C., assignor to The Standard Oil Company, Cleveland, Ohio. Coated laminated structural material. 2,181,811; Nov. 28.

Humphreys & Glasgow Limited. (See Mengel, Eric C., assignor.)

Hurrell, Guy C., assignor to The P. & M. Co. (England) Ltd., London, England. Rail greasing appliance. 2,181,235; Nov. 28.

Hutchinson, Arthur J. L., Palo Alto, assignor to The Fluor Corporation, Limited, Los Angeles, Calif. Recovering casing head gasoline. 2,181,633; Nov. 28.

Huth, Walter H., assignor to Aurex Corporation, Chicago, Ill. Microphone. 2,181,565; Nov. 28.

Hygrade Sylvania Corporation. (See Biggs, Orrick H., assignor.)

Hygrade Sylvania Corporation. (See Biggs, O. H., and Davis, assignors.)

Hygrade Sylvania Corporation. (See McCarthy, Henry J., assignor.)

Hygrade Sylvania Corporation. (See Myers, Henry W., assignor.)

Iapicca, Tancredi. (See Mucci, J. B., Sico, and Iapicca.)

Illinois Watch Case Company. (See Wewetzer, A., and Anderson, assignors.)

Imperial Chemical Industries Limited. (See Baird, W., and Jones, assignors.)

Ingraham, Charles C., Minneapolis, Minn., assignor to Hart-Carter Company, Peoria, Ill. Grain separator. 2,181,431; Nov. 28.

Ingwer, Max, Bronx, and H. Fleisher, Brooklyn, assignors to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Guard for sewing machine stitch regulators. 2,181,828; Nov. 28.

International Mailing Tube and Wrapper Company. (See Greve, Herman L., assignor.)

Irwin, Herbert G., Amarillo, Tex. Wind power machine. 2,181,658; Nov. 28.

Irwin, Joseph D., assignor of one-half to J. W. Grant, Portsmouth, Va. Game device. 2,181,236; Nov. 28.

Iverson, Cato, assignor to National Rubber Machinery Company, Akron, Ohio. Vulcanizing press. 2,181,273; Nov. 28.

Ives, Clifford E., Wilmette, assignor to R. E. Landis, Chicago, Ill. Automatic cutting device. 2,181,185; Nov. 28.

Ives, Clifford E., Wilmette, Ill. Can sealer. 2,181,237; Nov. 28.

Jackson, James H., Detroit, Mich. Oil burner. 2,181,186; Nov. 28.

Jackson, Lloyd R., and H. W. Russell, Columbus, Ohio, assignors to Utilities Coordinated Research, Inc., New York, N. Y. Induction heater construction. 2,181,274; Nov. 28.

Jakosky, John J., Los Angeles, Calif. Method and apparatus for continuous exploration of bore holes. 2,181,601; Nov. 28.

Janhunen, Erkki J., Karihaara, Kemi, Finland. Method of and apparatus for recovering chemicals from cellulose waste liquor. 2,181,330; Nov. 28.

Jelenko, J. F., & Co. (See Berger, Herbert R., assignor.)

Jenkins, James M., assignor to Andale Company, Philadelphia, Pa. Heat exchange equipment. 2,181,486; Nov. 28.

Jennings, Harry C. (See Everest, H. A., and Jennings.)

Jennings, Paul F., Alhambra, Calif. Well fishing tool. 2,181,187; Nov. 28.

Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Portable bending brake. 2,181,566; Nov. 28.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine and Foundry Company. Index device. 2,181,432; Nov. 28.

Jeffrey, M. L., Corporation, The. (See Jeffrey, Max L., assignor.)

Jeffrey, Max L., Shaker Heights, assignor, by mesne assignments, to The M. L. Jeffrey Corporation, Cleveland, Ohio. Circuit breaker. 2,181,829; Nov. 28.

Joachim, Herman L. (See Foster, J. P., and Joachim.)

Jodoin, Adolph. (See Cunha, Anthony M., assignor.)

Johansson, Isak E., Alvsjo, Stockholm, Sweden. Apparatus for separating a liquid from solid matters suspended therein. 2,181,456; Nov. 28.

Johns-Manville Corporation. (See Papineau, Louis J., assignor.)

Johnson, Adam E., Naugatuck, Conn. Wrench. 2,181,621; Nov. 28.

Johnson, Ben H., assignor of one-half to J. A. Gage, Dallas, Tex. Conveyer attachment. 2,181,659; Nov. 28.

Johnson, Carl A., et al. (See Fernstrom, Charles, assignor.)

Johnson, Carl E., Pasadena, and E. Mendenhall, Los Angeles, Calif. Variable speed unit. 2,181,567; Nov. 28.

Johnson, Melvin M., et al. (See Johnson, Melvin M., Jr., assignor.)

Johnson, Melvin M., Jr., assignor to M. M. Johnson, Brookline, E. E. Rice, Boston, Mass., and himself, as trustees of Johnson Patent Trust. Breech mechanism. 2,181,131; Nov. 28.

Johnson Patent Trust. (See Johnson, Melvin M., Jr.)

Johnson, Ross C., Dayton, Ohio. Protecting the retorts of stokers against high temperatures. 2,181,371; Nov. 28.

Johnston, William, Jr., Wilkinsburg, Pa. Cinder pot. 2,181,331; Nov. 28.

Jones, Maldwyn. (See Baird, W., and Jones.)

Jordan, Claude W., Paoli, Pa., assignor to The United Gas Improvement Company. Gas purification. 2,181,433; Nov. 28.

Juergens, Fred C. (See Ricard, Elzear J., assignor.)

Kallmeyer, Wilhelm, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass. Apparatus for receiving compressional waves. 2,181,132; Nov. 28.

Kamborian, Jacob S., Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Trimming and roughing machine. 2,181,238; Nov. 28.

Kammerer, Fred W., New York, N. Y. Door saddle. 2,181,812; Nov. 28.

Kaner, Abraham D., Webster Groves, Mo. Ash-receptacle compact. 2,181,275; Nov. 28.

Kaplan, Saul. (See Bowles, A. F., and Kaplan.)

Katz, Benjamin S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Box. 2,181,402; Nov. 28.

Katz, David, Wilmington, Del. Lecture desk. 2,181,133; Nov. 28.

Katz, David, Wilmington, Del. Lecture and projection desk. 2,181,134; Nov. 28.

Katz, Frederick L. (See Cohen, Alvin H., assignor.)

Kaufman, Fred, Woodbridge, N. J. Drape shaper. 2,181,813; Nov. 28.

Kavalir, Charles, New York, N. Y. Beverage cooler. 2,181,697; Nov. 28.

Kearsley, William K. (See Coolidge, W. D., and Kearsley.)

Kee-Lox Manufacturing Company. (See Bowman, Richard V., assignor.)

Keeney, J. H., & Co. (See Wells, James G., assignor.)

Keeran, Charles R. (See Keeran, Franklin H. and C. R.)

Keeran, Franklin H. and C. R., Evanston, Ill. Breech loading pencil. 2,181,622; Nov. 28.

Keeran, William C., Evanston, Ill., assignor, by mesne assignments, to Vapor Car Heating Co., Inc. Heat exchange apparatus. 2,181,602; Nov. 28.

Kehl, Robert J., Manhasset, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Multiple flame nozzle. 2,181,135; Nov. 28.

Keith, Percival C., Jr., Peapack, N. J., G. W. Robinson, Houston, Tex., and G. Roberts, Jr., Montclair, assignors to The Polymerization Process Corporation, Jersey City, N. J. Conversion of hydrocarbons. 2,181,302; Nov. 28.

Kelley-Koett Manufacturing Company. (See Haupt, Walter H., assignor.)

Kellogg, John L., assignor to New Foods, Inc., Chicago, Ill. Puffing cereals. 2,181,372; Nov. 28.

Kelly, Leslie J., W. G. Mueller, and Y. L. Brunette, assignors to Green Bay Food Company, Green Bay, Wis. Preparing pickled food products. 2,181,239; Nov. 28.

Kelly-Wheaton Company. (See Wheaton, Estel O., assignor.)

Kelsey-Hayes Wheel Company. (See Le Jeune, F. H., and Copeland, assignors.)

Kemp, Archie R., Westwood, and F. S. Malm, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulated cable. 2,181,188; Nov. 28.

Kent, William R., Passaic, N. J. Self-controlled variable speed mechanism. 2,181,373; Nov. 28.

Kerkhof, Arthur C. (See Fahr, G. E., and Kerkhof.)

Khuen-Kryk, Adam, Springfield, Pa. Vacuum device. 2,181,487; Nov. 28.

Kienle, Roy H. (See Crossley, M. L., Kienle, and Peiker.)

Killoran, Joseph L. (See Elvin, W. J., and Killoran.)

Kimble, Herman K., Vineland, N. J. Producing a double-walled container. 2,181,240; Nov. 28.

King, Henry K. (See Peters, M. F., Parr, and King.)

Kirby, John H., 2d, Houston, Tex. Sample taking device. 2,181,512; Nov. 28.

Klein, Samuel, assignor to National Road Joint Manufacturing Company, Chicago, Ill. Slab joint. 2,181,623; Nov. 28.

Klemm, Rudolf, assignor to Gabruder Brehmer Machinenfabrik, Leipzig-Plagwitz, Germany. Paper sheet feeding mechanism. 2,181,241; Nov. 28.

Kliesrath, Victor W., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,181,732; Nov. 28.

Kline, Bernard L., Manhasset, N. Y., and R. D. Parrott, West New York, and G. L. Erickson, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Recording signals electrically. 2,181,533; Nov. 28.

Klinker, Louis G. (See Drapeau, J. E., Jr., and Klinker.)

Knapp, Moses A., Los Angeles, Calif. Concrete building block. 2,181,814; Nov. 28.

Knowlton Brothers. (See Davenport, Franklyn E., assignor.)

Knox, Harry A., Washington, D. C. Assembling the elements of a joint. 2,181,136; Nov. 28.

Kofke, Harry C., Philadelphia, Pa., assignor to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J. Recording meter pen. 2,181,830; Nov. 28.

Kögel, Wilhelm G., P. Strandberg, and G. Grubb, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,181,276; Nov. 28.

Kolberg, Frithjof N., Sioux Falls, S. Dak. Combination dirt and gravel grader and dump box. 2,181,403; Nov. 28.

Kolthoff, Eric. (See Catanach, A. E., and Kolthoff.)

Koppitz, Benujamin A., and J. A. Hartung, Detroit, Mich. Strainer. 2,181,404; Nov. 28.

Kosa, Emil, Sr., Los Angeles, Calif. Making animated motion pictures. 2,181,405; Nov. 28.

Kotowski, Paul, and S. Sonnenfeld, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Impulse or pulse transmitter. 2,181,568; Nov. 28.

Kracker, Herbert, O. Scherer, F. Müller, and W. Schumacher, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Benzenecarboxylic acid fluorides containing trifluoromethyl groups and preparing them. 2,181,554; Nov. 28.

Kroff, Leonard D., Sterling, Ill. Earth anchor. 2,181,660; Nov. 28.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for internally striping can body side seams. 2,181,332; Nov. 28.

Kucera, Peter. (See Stewart, A. H., and Kucera.)

Kunze, Karolus E., Jamaica, N. Y., and T. L. Soo-Hoo, Quincy, Mass. Aircraft instrument. 2,181,815; Nov. 28.

Kurtze, Newton R., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,181,513; Nov. 28.

Kurzina, Stanley B., Jr., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Freewheeling drive. 2,181,242; Nov. 28.

Labbe, John T., Portland, Oreg. Load indicator for trucks. 2,181,277; Nov. 28.

Lachman, Charles, assignor to S and W Fine Foods, Inc., San Francisco, Calif. Preparation of glacé fruit. 2,181,514; Nov. 28.

Laddon, Isaac M. (See Fleet, R. H., Wheatley, and Laddon.)

La France Jewelry Shop. (See Winkler, Nathan B., assignor.)

La Gue, George G., Fowler, Ind. Combination float and fish lure. 2,181,458; Nov. 28.

Lambright, Ralph P., Canton, Ohio. Forming and finishing tool. 2,181,137; Nov. 28.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening-supplying apparatus. 2,181,139; Nov. 28.

Land, Charles H. (See Wilson, W. H., and Land.)

Landis, Bess S. (See Landis, Hugh G., assignor.)

Landis, Hugh G., Los Angeles, Calif., assignor to B. S. Landis. Gas heating apparatus. 2,181,138; Nov. 28.

Landis, Ritchey E. (See Ives, Clifford E., assignor.)

Langenberg, Frederick G., St. Louis County, Mo. Wall construction. 2,181,698; Nov. 28.

Langston, Samuel M., Co. (See Moritz, Robert F., assignor.)

Langston, Samuel M., Co. (See Sieg, Karl, assignor.)

Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,181,333; Nov. 28.

Lantz, William H., Jr., assignor to American Electric Switch Corporation, Minerva, Ohio. Finish or wall plate. 2,181,278; Nov. 28.

Larcamp, Charles, Wooster, Ohio. Circuit make and break device. 2,181,374; Nov. 28.

Larkwood Silk Hosiery Mills, Inc. (See Sachsenmaier, Ervin S., assignor.)

Larsen, Bernhart O., et al. (See Smith, Louis R., assignor.)

Larsen, Christian A., et al. (See Smith, Louis R., assignor.)

Larson, Hugo C. (See Epstein, S., and Larson.)

Lathan, Alexander S., San Mateo, Calif. Garden tool. 2,181,189; Nov. 28.

Lawson, Robert H., and W. Armitage, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,181,515; Nov. 28.

Lazier, Wilbur A., and G. W. Rigby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of epsilon-caprolactam to amines. 2,181,140; Nov. 28.

Le Bleu, Charles, Los Angeles, Calif. Scraper. 2,181,760; Nov. 28.

Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)

Leichsenring, Max, Jr., Chicago, Ill. Motor vehicle. 2,181,699; Nov. 28.

Leichsenring, Max, Jr., Chicago, Ill. Control means for driving and driven elements. 2,181,700; Nov. 28.

Leingang, William C., Philadelphia, and R. C. Rudisill, Glenside, assignors to The Electric Storage Battery Company, Philadelphia, Pa. Battery testing apparatus. 2,181,303; Nov. 28.

Leistner, Charles A., Covington, and R. Conway, Fort Thomas, Ky. Finishing device for cement surfaces. 2,181,375; Nov. 28.

Le Jeune, Frank H., and J. E. Copeland, assignors to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming drop-center wheel rims. 2,181,848; Nov. 28.

Les Usines de Melle. (See Guinot, Henri M., assignor.)

Levesque, George N., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Milling machine. 2,181,516; Nov. 28.

Levine, Abraham, Elizabeth, N. J., assignor to Presto Lock Corporation, Brooklyn, N. Y. Garment supporting frame for luggage cases. 2,181,334; Nov. 28.

Leviton Manufacturing Company. (See Wertzheiser, Joseph, assignor.)

Lewers, George R., Brooklyn, assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y. Apparatus for treating material. 2,181,190; Nov. 28.

Lewis, Albert M., and P. B. Weller, Detroit, Mich. Bun warmer. 2,181,434; Nov. 28.

Lewis, Herbert A., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,181,191; Nov. 28.

Liebmann, Moses, New York, N. Y. Trouser supporter. 2,181,192; Nov. 28.

Liest, Charles C. (See Duncan, John O., assignor.)

Lillich, Ralph, Houston, Tex. Well rig transmission system. 2,181,193; Nov. 28.

Lindsay, Charles H., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Fire extinguisher. 2,181,488; Nov. 28.

Line Material Company. (See Chatham, Clyde L., assignor.)

Lingenbrink, Hermann E. F. C., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. 2,181,701; Nov. 28.

Link, Julius C., Brooklyn, N. Y. Gem setting. 2,181,489; Nov. 28.

Lion, Kurt. (See Dessauer, F., and Lion.)

Lockhart, Percy, Ann Arbor, Mich. Signal. 2,181,761; Nov. 28.

London, Meyer, Fort Wayne, Ind. Garment. 2,181,517; Nov. 28.

Long, George, assignor to Franklin Steel Works, Joliet, Ill. Bag handling mechanism. 2,181,603; Nov. 28.

Lord, Edward L., Glenside, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Hold-down for storage batteries. 2,181,304; Nov. 28.

Loris, Tom A., assignor of one-half to A. G. Sampanes, Sacramento, Calif. Paper imprinter. 2,181,435; Nov. 28.

Lovegran, Hokan A., Rockford, Ill. Clothesline reel. 2,181,141; Nov. 28.

Lowe, Charles W., Rutherford, N. J., assignor to Electrical Research Products, Inc., New York, N. Y. Electroplating apparatus. 2,181,490; Nov. 28.

Lowry, Hubert Elza, Los Angeles, Calif. Dispensing container for tacks. 2,181,661; Nov. 28.

Lumbard, Henry G., Auburn, Maine. Making insoles. 2,181,787; Nov. 28.

Lyndon, Lamar. (See McWade, R., and Lyndon.)

Lynger, Erik S., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,181,376; Nov. 28.

M. J. B. Company. (See Burns, Wilford E., assignor.)

Maas, John G., Bancroft, Nebr. Vehicle crank support. 2,181,788; Nov. 28.

Mabie, Henry C., Jamaica Plain, Mass. Track for pneumatic-tired vehicles. 2,181,377; Nov. 28.

MacDonald, Clifford K., Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Seam reducing. 2,181,242; Nov. 28.

MacDonnell, James A., assignor to Springfield Tablet Manufacturing Company, Springfield, Mo. Hanger for coiled wire bound tablets. 2,181,662; Nov. 28.

MacKay, John R. (See Wallace, C. F., and MacKay.)

MacKay, John R., West Caldwell, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electric motor apparatus. 2,181,842; Nov. 28.

Mackenzie, Dorothy E., Brooklyn, N. Y. Container. 2,181,569; Nov. 28.

Madden, Frank E., Oakland, Calif. Movable suspension frame. 2,181,406; Nov. 28.

Madden, William J., Lansdowne, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Thermostatically controlled heating system for railway cars. 2,181,436; Nov. 28.

Magnam, Arthur U. (See Bunker, Frank S., assignor.)

Majerus, P. J., et al. (See Stortz, Anton J., assignor.)

Makower, Benjamin. (See Groggins, P. H., Stearn, and Makower.)

Malm, Frank S. (See Kemp, A. R., and Malm.)

Mandell, Irving F., New Rochelle, assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Collapsible mandrel for small-mouthed containers. 2,181,816; Nov. 28.

Manhattan Company, President and Directors of The. (See Boothby, A. M., and Gazette, assignors.)

Manning, Paul D. V. (See Peebles, D. D., and Manning.)

Marathon Paper Mills Company. (See Snyder, D. A., and Hill, assignors.)

Marbon Corporation. (See Winkelmann, Herbert A., assignor.)

Marchant, Guy O., et al. (See Walker, Jay P., assignor.)

Marino, Joseph. (See Abramowitz, M., and Marino.)

Marinsky, Davis, assignor to Whitehall Patents Corporation, Bronx, N. Y. Thermoplastic slider. 2,181,142; Nov. 28.

Marks, Ernest M., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Motor fuel. 2,181,143; Nov. 28.

Martin, Arthur, Arthur, Ill. Burial vault. 2,181,194; Nov. 28.

Martin, Charles. (See Bradshaw, Charles E., assignor.)

Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diurethane-diamine polymeric materials. 2,181,663; Nov. 28.

Martin, Herman H., Toledo, assignor to H. H. Martin Products Corporation, Cleveland, Ohio. Dispensing closure. 2,181,335; Nov. 28.

Martin, H. H., Products Corporation. (See Martin, Herman H., assignor.)

Martin, Jerome, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Aminohydroxy compounds as wetting agents. 2,181,534; Nov. 28.

Marton, Anthony C. (See Dugan, T. M., and Marton.)

Masoner, William J., Chicago, Ill. Adjustable joist support. 2,181,702; Nov. 28.

Massey-Harris Company, The. (See Everett, Charles E., assignor.)

Maul Agricultural Company. (See Foster, J. P., and Joachim, assignors.)

Maurer, Herman W., Cleveland Heights, Ohio. Fireplace heater. 2,181,624; Nov. 28.

Maves, Stanley E., assignor to Western Newell Manufacturing Co., Freeport, Ill. Display device for elongate articles. 2,181,459; Nov. 28.

Mawen Motor Corporation. (See Meyer, André J., assignor.)

Mayback Motorenbau Gesellschaft mit beschränkter Haftung. (See Meyer, Gustav, assignor.)

McAdams, Harry, assignor to The Nelde and Horst Company, Reading, Pa. Knitting machine. 2,181,679; Nov. 28.

McCarthy, Henry J., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electric discharge lamp. 2,181,296; Nov. 28.

McCloy, Graham S. (See Anderson, W. B., and McCloy.)

McCloy, Graham S., East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Charging. 2,181,853; Nov. 28.

McCloy, Graham S., East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration method. 2,182,855; Nov. 28.

McCloy, Graham S., East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,181,856; Nov. 28.

McCollum, Henry J. De N. (See McCollum, James H. K. and H. J. De N.)

McCollum, James H. K. and H. J. De N., Long Branch, N. J. Vacuum power clutch. 2,181,491; Nov. 28.

McCracken, Joseph E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Highway guard. 2,181,703; Nov. 28.

McCurdy, William A., and F. Wedlake, Virginia, Minn. Underground alarm system. 2,181,336; Nov. 28.

McGillicuddy, Jeremiah, et al. (See Milligan, Joseph H., assignor.)

McGillicuddy, Patrick, et al. (See Milligan, Joseph H., assignor.)

McGrew, John A., Albany, N. Y. Propulsion unit. 2,181,244; Nov. 28.

McIlrath, Roy E., Chicago, Ill. Carbon dioxide converter. 2,181,195; Nov. 28.

McIntyre, William J., Jersey City, N. J. Automobile bumper. 2,181,245; Nov. 28.

McLaughlin, Robert W., Jr., assignor to American Houses, Inc., New York, N. Y. Building construction. 2,181,831; Nov. 28.

McLauthlin, Martin B., Malden, Mass. Ship construction. 2,181,279; Nov. 28.

McMillan, Wallace A., Beacon, assignor to The Texas Company, New York, N. Y. Polymerization of tertiary-base olefins. 2,181,642; Nov. 28.

McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Heat transfer apparatus. 2,181,704; Nov. 28.

McNeil, Roderick S., Bridgeport, Conn., assignor to General Electric Company. Coffee maker. 2,181,246; Nov. 28.

McWade, Robert, Jr., and L. Lyndon, Los Angeles, Calif., assignors to Bendix Products Corporation, South Bend, Ind. Motor vehicle control means. 2,181,733; Nov. 28.

Mechanical Ornamentation Corporation. (See Sichère, René M., assignor.)

Meltzer, Jacob, Port Jervis, N. Y. Staple pusher. 2,181,849; Nov. 28.

Melzer, Jacob M., Southwest Greensburg, assignor to Railway Industrial Engineering Company, Greensburg, Pa. Electrical bus system. 2,181,664; Nov. 28.

Mendenhall, Earl. (See Johnson, C. E., and Mendenhall.)

Mengel, Eric C., Westminster, assignor to Humphreys & Glasgow, Westminster, London, England. Apparatus for the carbonization of material, such as briquettes. 2,181,789; Nov. 28.

Messamore, Arthur C., Clinton, Tenn. Pedal drive for velocipedes. 2,181,665; Nov. 28.

Metropolitan Engineering Company. (See Phelps, G. H., and Holmes, assignors.)

Meyer, Andre J., Lexington, Ky., assignor to Mawen Motor Corporation, New York, N. Y. Engine. 2,181,705; Nov. 28.

Meyer, Gustav, assignor to Maybach Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen on the Bodensee, Germany. Change-speed gear. 2,181,460; Nov. 28.

Michalski, John, Canton, and Y. V. Sims, Ladysmith, Wis. Battery clamp. 2,181,337; Nov. 28.

Michelin et Cie. (See Bourdon, Pierre M., assignor.)

Micro-Westco, Incorporated. (See Vollmer, Earl C., assignor.)

Midland Steel Products Company, The. (See Fitzgerald, Harold R., assignor.)

Miedendorp, Henry, Jr. (See Giet, J., and Miedendorp.)

Milano, Marie, et al. (See Palmieri, Cesare, assignor.)

Miller, Ambrose C., Jenkintown, assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Tone control. 2,181,817; Nov. 28.

Miller, Benjamin H., Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Composite flange structure. 2,181,196; Nov. 28.

Miller, Floyd L. (See Morway, A. J., and Miller.)

Miller, James A. (See Wright, Roy O., assignor.)

Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Combustion apparatus. 2,181,407; Nov. 28.

Miller, Louis G. (See Schenck, C., and Miller.)

Miller, Ralph L., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave production. 2,181,280; Nov. 28.

Milligan, Joseph H., Framingham, assignor of twenty-five one-hundredths to J. and P. McGillicuddy, Boston, Mass. Lock. 2,181,762; Nov. 28.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Coin selector. 2,181,818; Nov. 28.

Mills Novelty Company. (See Mills, Bert E., assignor.)

Milwaukee Gas Specialty Company. (See Wantz, Clarence, assignor.)

Minneapolis-Honeywell Regulator Company. (See Gille, Willis H., assignor.)

Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)

Mizer, Joseph J., assignor to Walker Manufacturing Company, Racine, Wis. Lifting mechanism. 2,181,378; Nov. 28.

Mockli, Hans, Hawthorne, N. J. Window construction. 2,181,763; Nov. 28.
Moerbitz, Kurt and E. Roux, Berlin, Germany, assignors to Askania-Werke A. G. Theodolite. 2,181,832; Nov. 28.
Mole-Richardson Co. (See Coates, Fielding C., assignor.)
Molin, Oscar, Port Arthur, Tex. Dough rolling means. 2,181,666; Nov. 28.
Montgomery, Edward E., assignor to Edmont Manufacturing Company, Coshocton, Ohio. Coating gloves. 2,181,247; Nov. 28.
Mooney, David A., Jamaica Plain, Mass., assignor to General Electric Company. Capacitor motor starting arrangement. 2,181,734; Nov. 28.
Moore, Carl E., Gary, Ind. Roll handling device. 2,181,461; Nov. 28.
Moore Drop Forging Company. (See Murray, Arthur T., assignor.)
Moore, George E., assignor to The Aetna Standard Engineering Company, Youngstown, Ohio. Drive mechanism. 2,181,735; Nov. 28.
Moran, Robert P., West Orange, N. J. Chimney. 2,181,338; Nov. 28.
Morano, Sam, Morgantown, W. Va. Rail tie and anchor. 2,181,248; Nov. 28.
Morgan Construction Company. (See Hawthorne, Charles W., assignor.)
Morgan Engineering Company. (See Ball, Harvey W., assignor.)
Morin, Louis H., assignor to Whitehall Patents Corporation, Bronx, N. Y. Initialed pull for separable fasteners. 2,181,281; Nov. 28.
Moritz, Robert F., Laurel Springs, N. J., assignor to Samuel M. Langston Co. Device for making box blanks. 2,181,197; Nov. 28.
Morrison, Harry, Pittsburgh, Pa. Abrasive tool guiding apparatus. 2,181,604; Nov. 28.
Morway, Arnold J., Roselle, and F. L. Miller, Roselle Park, N. J., assignors to Standard Oil Development Company. High molecular weight halogenated organic compounds and preparing same. 2,181,144; Nov. 28.
Mose, Josef F., Point Loma, Calif. Swivel electric connection. 2,181,145; Nov. 28.
Moskowitz, David, Chicago, Ill. Device for packaging for shipment lamp shades and other like article. 2,181,198; Nov. 28.
Motor Wheel Corporation. (See Miller, John W., assignor.)
Mucci, John B., Medford, A. F. Sico, Somerville, and T. Iapicca, Boston, Mass. Slide for slide fasteners. 2,181,625; Nov. 28.
Mueller, William G. (See Kelly, L. J., Mueller, and Brunette.)
Muessig, Clifford W. (See Sparks, W. J., and Muessig.)
Muggleton, Gerald D. (See Wells, Sidney D., assignor.)
Müller, Fritz. (See Kracker, H., Scherer, Müller, and Schumacher.)
Murphy, Albert C., New Haven, Conn. Target. 2,181,492; Nov. 28.
Murphy, Thomas, Schoolfield, Va. Shuttle. 2,181,667; Nov. 28.
Murray, Albert L., Auburn, Ind. Forming cement-on rubber soles. 2,181,379; Nov. 28.
Murray, Arthur T., assignor to Moore Drop Forging Company, Springfield, Mass. Wrench clip. 2,181,764; Nov. 28.
Murray Corporation of America, The. (See Wilkins, Howard W., assignor.)
Musher Foundation Incorporated. (See Musher, Sidney, assignor.)
Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Preservation of organic substances. 2,181,765; Nov. 28.
Myers, Henry W., assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent lamp. 2,181,305; Nov. 28.
N. V. Philips' Gloeilampenfabrieken. (See Peek, J. J. A., and Skilliman, assignors.)
Naegele, William P., Lucas, and F. W. Steenbock, Sylvan Grove, Kans. Trailer hitch with brake-operating means. 2,181,736; Nov. 28.
National Blank Book Company. (See Schade, John, assignor.)
National Bread Wrapping Machine Co. (See Hoppe, William, assignor.)
National Road Joint Manufacturing Company. (See Klein, Samuel, assignor.)
National Rubber Machinery Company. (See Iverson, Cato, assignor.)
National Tube Company. (See Dugan, T. M., and Marton, assignors.)
Nave, Alfred E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator door latch. 2,181,493; Nov. 28.
Neal, Ernest C., assignor to Railway Track Joint Corporation, Coquille, Oreg. Railway rail fastening. 2,181,408; Nov. 28.
Neats, Clarence P. and L. P., East Orange, N. J. Sewing kit. 2,181,766; Nov. 28.
Neats, Lester P. (See Neats, Clarence P. and L. P.)
Neighbour, Leonard B. (See Butter, R. A., and Neighbour.)
New Foods, Inc. (See Kellogg, John L., assignor.)
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
New York Air Brake Company, The. (See Campbell, C. A., and Baldwin, assignors.)
Nickels, Joseph E. (See Stevens, D. R., and Nickels.)
Nicol, David, Jr., Willowdale, Ontario, Canada. Equalizer for mechanically operated automobile brakes. 2,181,626; Nov. 28.
Nicoll, Frederick H., Ickenham, assignor to Electric & Musical Industries, Limited, Hayes, Middlesex, England. Cathode ray tube. 2,181,850; Nov. 28.
Nisenson, Jules, assignor to Unit Venetian Blind Supply Co., New York, N. Y. Venetian blind tilter. 2,181,706; Nov. 28.
Nivison-Weiskopf Company, The. (See Curtis, Edna H., Jr., assignor.)
Nix, Foster C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Light-sensitive electric device. 2,181,494; Nov. 28.
Nolde and Horst Company, The. (See McAdams, Harry, assignor.)
North American Rayon Corporation. (See Taylor, Joseph I., assignor.)
North, John H., Seattle, Wash. Continuous molding machine. 2,181,737; Nov. 28.
Northern Indiana Brass Company. (See Arbogast, Alfred C., assignor.)
Norton, Leland D., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Dictating machine. 2,181,437; Nov. 28.
Norvell, William E., Kansas City, Mo. Separable sieve for bolters. 2,181,605; Nov. 28.
Nothdurf, Karl F., Detroit, Mich. Hanger for screens and storm sash. 2,181,585; Nov. 28.
Novack, Henry, Brooklyn, N. Y. Platform nest for birds. 2,181,495; Nov. 28.
Novadel-Agene Corporation. (See Peet, Gerald D., assignor.)
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co. Inc., New York, N. Y. Envelope-making machine. 2,181,518; Nov. 28.
Nystrom, Karl F., Milwaukee, Wis., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, Hammond, Ind. Car roof. 2,181,857; Nov. 28.
O. K. Tool Company, The. (See Reaney, Ernest, assignor.)
Ohio Electric Mfg. Co., The. (See Wertz, Roy O., assignor.)
Oil devices. (See Breese, James L., assignor.)
Orr, Howard S., Gary, Ind. Multiple cold reducing strip metals. 2,181,462; Nov. 28.
Osborn, William D., Los Angeles, Calif. Chained-head auger. 2,181,306; Nov. 28.
Oster, John, Manufacturing Company. (See Oster, John, assignor.)
Oster, John, assignor to John Oster Manufacturing Company, Racine, Wis. Vibrator. 2,181,282; Nov. 28.
Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company. Annealing furnace. 2,181,738; Nov. 28.
Otterson, Otto H., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Oxygenated cabin. 2,181,199; Nov. 28.
Overhead Door Corporation. (See Blodgett, Herbert C., assignor.)
Overholt, J. D. (See Browne, Floyd A., assignor.)
Owens-Illinois Glass Company. (See Carvalho, Leslie R. N., assignor.)
Owens-Illinois Glass Company. (See Hawk, Charles E., assignor.)
P. & M. Co. (England), Ltd., The. (See Hurrell, Guy C., assignor.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Palmer, Walter E., Cicero, Ill. Synchronous circuit make and break device. 2,181,283; Nov. 28.
Palmieri, Cesare, assignor of thirty-three and one-third per cent to M. Milano, thirty-three and one-third per cent to L. Corsaro, and one-fifth to W. M. Chapin, New York, N. Y. Beater or mixer. 2,181,833; Nov. 28.
Papineau, Louis J., Montreal, Quebec, Canada, assignor to Johns-Manville Corporation, New York, N. Y. Watertight flooring. 2,181,200; Nov. 28.
Paquette, Moise, Ste. Agathe Des Monts, Quebec, Canada. Ski towing apparatus. 2,181,519; Nov. 28.
Parks, Paul B., Oak Park, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostatic control mechanism. 2,181,606; Nov. 28.
Parr, Warren S. (See Peters, M. F., Parr, and King.)
Parrott, Robert D. (See Kline, B. L., Parrott, and Erickson.)
Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Resinous body and producing same. 2,181,739; Nov. 28.
Patterson, Ward W., Webster Groves, Mo. Advertising sign. 2,181,409; Nov. 28.
Pearson, Paul E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Easy opening can. 2,181,339; Nov. 28.
Pedersen, Charles J. (See Downing, F. B., and Pedersen.)
Pedersen, Julius, Bridgeport, Conn. Shelf reacher. 2,181,520; Nov. 28.
Peebles, David D., San Francisco, and P. D. V. Manning, Berkeley Woods, assignors to Western Condensing Company, San Francisco, Calif. Manufacturing a noncaking dried whey powder. 2,181,146; Nov. 28.

Peek, Johannes J. A., and T. S. Skilliman, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Carrier wave telephone system. 2,181,457; Nov. 28.
Peet, Gerald D., Montclair, assignor to Novadel-Agene Corporation, Belleville, N. J. Hand truck. 2,181,438; Nov. 28.
Pegg, Edward H. R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrostatic precipitator. 2,181,147; Nov. 28.
Peiker, Alfred L. (See Crossley, M. L., Kienle, and Peiker.)
Penney, Gaylord W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrostatic precipitator. 2,181,767; Nov. 28.
Pennsylvania Railroad Company, The. (See Madden, William J., assignor.)
People in the territory of the United States, Dedicated to the free use of the. (See Bruce, Wesley G.)
Percival, William S. (See Bowman-Manifold, M., and Percival.)
Perkins, Melville F., and R. G. Crane, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Process and apparatus for producing zinc. 2,181,148; Nov. 28.
Perreault, George E., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pole piece for magnetic telegraphones. 2,181,707; Nov. 28.
Perryman, George H., Union City, and P. Schwerin, Rutherford, N. J. Circuit breaker. 2,181,586; Nov. 28.
Peters, Melville F., Beltsville, Md., W. S. Parr, U. S. Navy, and H. K. King, Cabin John, Md. Spark plug performance indicator. 2,181,149; Nov. 28.
Peterson, Carl D., Toledo, Ohio. Shifting mechanism for change-speed transmission gearing. 2,181,627; Nov. 28.
Peterson, George H., Glen Rock, N. J., assignor to American Telephone and Telegraph Company. Telephone switchboard. 2,181,668; Nov. 28.
Pharis Tire and Rubber Company, The. (See Firestone, Vance S., assignor.)
Phelps, George H., Floral Park, and H. S. Holmes, assignors to Metropolitan Engineering Company, Brooklyn, N. Y. Making hollow articles. 2,181,201; Nov. 28.
Philadelphia, Metal Drying Form Company. (See Guggenheim, Paul, assignor.)
Philco Radio & Television Corporation. (See Miller, Ambrose C., assignor.)
Phoenix Glass Company, The. (See Stewart, A. H., and Kucera, assignors.)
Pierce, Howard M., and J. H. Hermson, Brooklyn, assignors to A. G. Spalding & Bros. Inc., New York, N. Y. Scabbard. 2,181,834; Nov. 28.
Piron, Emil H., assignor to The Transit Research Corporation, New York, N. Y. Trolley base. 2,181,570; Nov. 28.
Pittenger, Paul S., assignor to Sharpe & Dohme, Incorporated, Philadelphia, Pa. Moistureproof container. 2,181,150; Nov. 28.
Place, Charles E. S., assignor to C. L. Brackett, Detroit, Mich. Thread surface coating composition. 2,181,835; Nov. 28.
Plotkin, Joseph H., assignor to S. Dressner & Son, Inc., Chicago, Ill. Partition for luggage. 2,181,587; Nov. 28.
Plumb, Walter G., Ridgewood, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,181,340; Nov. 28.
Poitras, Joseph A., Fort Lee, N. J., assignor to Solar Manufacturing Corporation, New York, N. Y. Electrolytic condenser. 2,181,607; Nov. 28.
Pollard, Willard L., Evanston, Ill. Variable speed transmission. 2,181,380; Nov. 28.
Pollock, Benjamin H., Jenkintown, Pa. Safety device for windows. 2,181,790; Nov. 28.
Polymerization Process Corporation, The. (See Keith, P. C., Jr., Robinson, and Roberts, assignors.)
Poor & Company. (See Warr, Harold G., assignor.)
Porter, H. K., Inc. (See Geddes, John W., assignor.)
Potts, Ernest L., Houston, assignor to Eastman Oil Well Survey Company, Dallas, Tex. Spudding bit. 2,181,284; Nov. 28.
Powers, Milton A., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Pump for liquid fuel burning apparatus. 2,181,249; Nov. 28.
Prain, Frank G., Spokane, Wash. Crayon holder. 2,181,202; Nov. 28.
Pratt, Francis G., London, England. Hull of mechanically propelled vessels. 2,181,463; Nov. 28.
Presto Lock Corporation. (See Levine, Abraham, assignor.)
Price, Robert E., assignor to Crosby Naval Stores, Incorporated, Picayune, Miss. Purifying wood rosin. 2,181,791; Nov. 28.
Prickett, Thomas B., Woodbury, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Reaction vessel. 2,181,153; Nov. 28.
Propane Development Corporation. (See Schlumbohm, Peter, assignor.)
Purdue Research Foundation. (See Hass, H. B., and Seigle, assignors.)
Pure Oil Company, The. (See Wagner, Cary R., assignor.)
Purvis, Judson A., Chicago, Ill. Service manual or guide 2,181,588; Nov. 28.
Quaker Hosiery Company. (See Smetana, Otto F., assignor.)
Radelet, Fernand, and M. Schul, Brussels, Belgium. Gun battery or mounting, more particularly for antiaircraft defense. 2,181,819; Nov. 28.
Radio Corporation of America. (See Brown, Charles H., assignor.)
Railway and Industrial Engineering Company. (See Meizer, Jacob M., assignor.)
Railway Track Joint Corporation. (See Neal, Ernest C., assignor.)
Ray, Joseph B. (See Bean, A. C., and Ray.)
Raytheon Production Corporation. (See Washburn, Henry M., assignor.)
Reade, Frank, Klamath Falls, Oreg. Liquid dispensing dispenser. 2,181,521; Nov. 28.
Reaney, Ernest, Bridgeport, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Adjustable shankless bit and holder therefor. 2,181,151; Nov. 28.
Reardon, Eugene J., East Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Wire rope. 2,181,341; Nov. 28.
Refinoil Manufacturing Corporation. (See Harris, William D., assignor.)
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,181,708; Nov. 28.
Reichel, Wladimir A., Bellerose, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Speed control for gyro rotors. 2,181,250; Nov. 28.
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Tail gate structure. 2,181,342; Nov. 28.
Reiland, Frank D., Chicago, Ill. Insert for concrete constructions. 2,181,740; Nov. 28.
Reimschissel, Charles A., Waynesboro, Pa. Tubular joint seal. 2,181,343; Nov. 28.
Reinforced Paper Bottle Corporation. (See Mandell, Irving F., assignor.)
Renholdt, John E., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Record resurfacing machine. 2,181,643; Nov. 28.
Renner, Ernest, Sioux Falls, S. Dak. Swinging gate or the like. 2,181,464; Nov. 28.
Reynolds, Noel S., assignor of one-half to O. Bartling, St. Louis, Mo. Grease retainer. 2,181,203; Nov. 28.
Ricard, Elzear J., assignor of fifteen per cent to F. C. Juergens, Detroit, Mich. Electric toaster with removable heating element. 2,181,204; Nov. 28.
Rice, Edward E., et al. (See Johnson, Melvin M., Jr., assignor.)
Rice, Emery M. (See Davison, H. B., and Rice.)
Richards Chemical Works, Incorporated, The. (See Bowles, A. F., and Kaplan, assignors.)
Rick, August J., New York, assignor to American Manufacturing Company, Brooklyn, N. Y. Rope. 2,181,344; Nov. 28.
Rigby, George W. (See Lazier, W. A., and Rigby.)
Rigor, Guy L., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Powder propeller. 2,181,205; Nov. 28.
Rinn, Irwin C., Chicago, Ill. Rack for photographic films, and the like. 2,181,206; Nov. 28.
Roberts, George, Jr. (See Keith, P. C., Jr., Robinson, and Roberts.)
Roberts, John J., Louisville, Ky. Internally cushioned tool-and-chuck lock for power hammers. 2,181,381; Nov. 28.
Robinson, George W. (See Keith, P. C., Jr., Robinson, and Roberts.)
Roche, Austin O., Jr. (See Gillett, M. C., Sanbern, and Roche.)
Rolf, Erich, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Multiphase current converting system. 2,181,152; Nov. 28.
Roman, Charles, Miami, Fla. Composition wood. 2,181,439; Nov. 28.
Roper, John M., Washington, D. C. Plug and receptacle. 2,181,154; Nov. 28.
Rosch, Arthur, Briesclang, near Nauen, Germany, assignor to General Electric Company. Prime mover control system. 2,181,741; Nov. 28.
Rosenthal, Lazarus, Atlantic City, N. J. Arch supporting pad. 2,181,522; Nov. 28.
Ross Gear & Tool Company. (See Creson, William K., assignor.)
Rossetter, Charles F. (See Stone, F. B., Arquette, and Rossetter C. F. and R. J.)
Rossetter, Richard J. (See Stone, F. B., Arquette, and Rossetter, C. F. and R. J.)
Roux, Erwin. (See Moerbitz, K., and Roux.)
Rowell, John T., assignor to The Bock Machine Company, Cincinnati, Ohio. Apparatus for carbonating water. 2,181,768; Nov. 28.
Rudisill, Rufus C. (See Leingang, W. C., and Rudisill.)
Rumpf, John, near Milford, N. J., assignor to The Safety Car Heating & Lighting Company. Vehicle heating system. 2,181,742; Nov. 28.

Rupp, Herbert E., Springfield Township, Richland County, and J. C. Gorman, Mansfield, Ohio. Centrifugal self-priming pump. 2,181,792; Nov. 28.
Russell, Howard W. (See Jackson, L. R., and Russell.)
Russell, John K., W. B. Collins, and W. W. Boggs, Los Angeles, Calif., assignor of fifty per cent to said Russell, twenty-five per cent to said Collins, and twenty-five per cent to said Boggs. Liquid refiner. 2,181,608; Nov. 28.
Russell, Robert P., Short Hills, N. J., assignor to Standard Oil Development Company. Cellulose compound compositions. 2,181,609; Nov. 28.
S and W Fine Foods, Inc. (See Lachman, Charles, assignor.)
Sabol, Ernest J. (See Stolnacke, C. E., and Sabol.)
Sachsenmaier, Erwin S., assignor to Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C. Knitting selvedge edges on full fashioned knitting machines. 2,181,820; Nov. 28.
Safety Car Heating & Lighting Company, The. (See Rumpf, John, assignor.)
St. Regis Paper Company. (See Rigor, Guy L., assignor.)
Salomon, Francois M. M. B., Paris, France. Oscillation damping means. 2,181,610; Nov. 28.
Sampanes, Andreas G. (See Loris, Tom A., assignor.)
Sanbern, Edward N. (See Gillett, M. C., Sanbern, and Roche.)
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Roll holder. 2,181,207; Nov. 28.
Sanford, Roy S., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch operating mechanism. 2,181,743; Nov. 28.
Sanford, William C., La Oroya, Peru. Election game. 2,181,793; Nov. 28.
Satterlee, Howard A., Needham, assignor to Submarine Signal Company, Boston, Mass. Variable speed motor system. 2,181,155; Nov. 28.
Satz, William, New York, N. Y. Brief case. 2,181,208; Nov. 28.
Saunders, William M., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,181,636; Nov. 28.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose leaf binder. 2,181,769; Nov. 28.
Schauss, John A., Norwalk, Ohio. Reclining chair. 2,181,345; Nov. 28.
Scheidegger, Hans R., Berlin, Germany, assignor to The Teleregister Corporation, New York, N. Y. Electric long-distance indicating system. 2,181,682; Nov. 28.
Schenck, Charles, Coopersburg, and L. G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company. Welded truck side frame. 2,181,709; Nov. 28.
Scher, Philip M., et al. (See Hoenig, Heinrich, assignor.)
Scherer, Otto. (See Kracker, H., Scherer, Müller, and Schumacher.)
Schlecht, Charles F., Chicago, Ill. Printing device. 2,181,382; Nov. 28.
Schleussner, Carl A., Frankfort-on-the-Main, Germany. Preparation of light-sensitive emulsions. 2,181,383;
Schlipp, Ludwig, Kassel, and M. Boettle, assignors to Spinnfaser Aktiengesellschaft, Kassel-Bettenhausen, Germany. Production of silver. 2,181,535; Nov. 28.
Schlumbohm, Peter, assignor to Propane Development Corporation, New York, N. Y. Refrigerating system. 2,181,851; Nov. 28.
Schlytter, Thomas, Gyssestad, Slependen, near Oslo, Norway. Ski binding. 2,181,794; Nov. 28.
Schmidt, Gustav H., Wood-Ridge, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch. 2,181,156; Nov. 28.
Schmidt, Henry F., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine casing joint. 2,181,744; Nov. 28.
Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Snout puller. 2,181,536; Nov. 28.
Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Coupling. 2,181,537; Nov. 28.
Scholder, Rudolf, Karlsruhe, Germany. Extraction of bauxite and other aluminum containing substances. 2,181,669; Nov. 28.
Schul, Max. (See Radelet, F., and Schul.)
Schulse, Herman E., Miami, Fla. Brew cooling. 2,181,710; Nov. 28.
Schumacher, Willy. (See Kracker, H., Scherer, Müller, and Schumacher.)
Schmutz, Oskar. (See Friedländer, E., and Schmutz.)
Schneider, Berthold, Berlin, Germany. Chair for doctors, dentists, hairdressers, and the like. 2,181,465; Nov. 28.
Schuler, John G., Dutton, Mont. Pencil sharpener. 2,181,285; Nov. 28.
Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Power transmitting means. 2,181,307; Nov. 28.
Schutz, Konrad, Brooklyn, N. Y. Pipe. 2,181,496; Nov. 28.
Schwerin, Paul. (See Perryman, G. H., and Schwerin.)
Scott, Norman D., Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of 1,2-dihydronaphthalene. 2,181,770; Nov. 28.
Scott, Norman D., Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of styrene. 2,181,771; Nov. 28.
Scovill Manufacturing Company. (See Ayotte, J. F., and Holihan, assignors.)
Scovill Manufacturing Company. (See Tompkins, Emerson H., assignor.)
Seals, Jackson P., Richmond, Va. Golf ball warmer. 2,181,821; Nov. 28.
Seeman, Henry W. and L. E., San Diego, Calif. Plasterer's bullnose finishing trowel. 2,181,209; Nov. 28.
Seeman, Louis E. (See Seeman, Henry W. and L. E.)
Seibold, Hugo R., Glendale, N. Y. Casement window. 2,181,745; Nov. 28.
Seifert, Charles E., Swampscott, assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass. Electric transformer. 2,181,644; Nov. 28.
Seigle, Leon W. (See Hass, H. B., and Seigle.)
Sellers, William, & Company. (See Lingenbrink, Hermann E. F. C., assignor.)
Selmer, Henri, Paris, France. Musical instrument. 2,181,346; Nov. 28.
Servel, Inc. (See Kögel, W. G., Strandberg, and Grubb, assignors.)
Servel, Inc. (See Lynger, Erik S., assignor.)
Servel, Inc. (See Nave, Alfred E., assignor.)
Servel, Inc. (See Widell, Nils, assignor.)
Seymour & Peck Co. (See Arnold, Charles B., assignor.)
Shackett, George E., Milwaukee, Wis., assignor to Woodcrete Corporation of Wisconsin. Building material. 2,181,466; Nov. 28.
Shaffer, Harry G., Pierce City, assignor of three thirty-seconds to H. Badger, Lawrence County, Mo. Parachute. 2,181,611; Nov. 28.
Shakespeare Company. (See Balz, W. G., and Clickner, assignors.)
Shankweiler, Fred K., Newport, assignor to Hercules Powder Company, Wilmington, Del. Moistureproofed material. 2,181,160; Nov. 28.
Sharpe & Dohme, Incorporated. (See Pittenger, Paul S., assignor.)
Shaw, Richard J., Phoenix, Ariz. Road construction. 2,181,670; Nov. 28.
Shawhan, Sam F., assignor to Carrier Corporation, Syracuse, N. Y. Fan apparatus. 2,181,628; Nov. 28.
Shell Development Company. (See Deanesly, R. M., and Wachter, assignors.)
Sheridan, John J., et al. (See Hoenig, Heinrich, assignor.)
Sherwin-Williams Company, The. (See Frank, Orville S., assignor.)
Shiels, Herbert H., Culver City, Calif. Shut-off valve. 2,181,523; Nov. 28.
Shimada, Manjiro, Ichikawa, Ichikawashi, Chiba-Ken, Japan. Multicolor pencil. 2,181,347; Nov. 28.
Sichère, René M., Long Island City, N. Y., assignor to Mechanical Ornamentation Corporation. Machine for ornamenting leather, etc. 2,181,348; Nov. 28.
Sichère, René M., Long Island City, N. Y. Machine for ornamenting leather, etc. 2,181,349; Nov. 28.
Sichère, René M., Long Island City, N. Y. Process and apparatus for ornamenting leather and fabrics. 2,181,852; Nov. 28.
Sico, Americo F. (See Mucci, J. B., Sico, and Iapicca.)
Siebrandt, John R., Kansas City, Mo. Combination bone clamp and adjustable drill guide. 2,181,746; Nov. 28.
Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co. Power transmission mechanism. 2,181,210; Nov. 28.
Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co. Feeding mechanism for box blank machines. 2,181,211; Nov. 28.
Siemens & Halske, Aktiengesellschaft. (See Arzmaier, Alfons, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Rolf, Erich, assignor.)
Silvette, David, Henrico County, Va. Toy. 2,181,589; Nov. 28.
Simoneau, Charles B., Lynn, Mass. Baseboard heat distribution with air conditioning. 2,181,747; Nov. 28.
Simpson, Emory G., and E. L. Graf, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Seat adjuster. 2,181,671; Nov. 28.
Sims, Yelmer V. (See Michalski, J., and Sims.)
Sinclair, Harold, Kensington, London, England. Power transmission system. 2,181,711; Nov. 28.
Skillman, Thomas S. (See Peek, J. J. A., and Skillman.)
Slaker, Joseph H., assignor, by mesne assignments, to Western-Austin Company, Aurora, Ill. Dump car. 2,181,629; Nov. 28.
Slye, Edward A. (See Spaunburg, H. L., and Slye.)
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Ice tray. 2,181,590; Nov. 28.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,181,591; Nov. 28.
Smetana, Otto F., assignor to Quaker Hosiery Company, Philadelphia, Pa. Full fashioned stocking. 2,181,836; Nov. 28.
Smith, Frederic B., Winthrop, Mass. Manifold envelope strip. 2,181,212; Nov. 28.
Smith, Goldie V., et al. (See Smith, Louis R., assignor.)
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,181,213; Nov. 28.
Smith, James N., Westfield, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Method and apparatus for pressure casting. 2,181,157; Nov. 28.

Smith, Louis R., assignor of twenty per cent to B. O. Larsen, twenty per cent to C. A. Larsen, and thirty per cent to G. V. Smith, San Diego, Calif. Vehicle lock. 2,181,822; Nov. 28.
Smith, Ralph R., Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Electrical apparatus. 2,181,497; Nov. 28.
Smith, Robert F., assignor to L. A. Young, Detroit, Mich. Golf ball. 2,181,350; Nov. 28.
Smith, Walter D., Portland, Oreg., assignor to L. Hamlin. Cocktail shaker. 2,181,612; Nov. 28.
Smithe, F. L., Machine Co. Inc. (See Novick, Abraham, assignor.)
Snyder, Donald A., Neenah, and R. T. Hill, Menasha, assignors to Marathon Paper Mills Company, Rothschild, Wis. Carton. 2,181,837; Nov. 28.
Snyder, Mahlan C., Blasdell, N. Y. Spare fuel tank for trucks. 2,181,772; Nov. 28.
Soo-Hoo, Theodore L. (See Kunze, K. E., and Soo-Hoo.)
Solar Manufacturing Company. (See Poitras, Joseph A., assignor.)
Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)
Sommenfeld, Siegmund. (See Kotowski, P., and Sonnenfeld.)
Sparks, William J., Cranford, and C. W. Muessig, Elizabeth, N. J., assignors to Standard Oil Development Company. Oxidized chlorinated olefin polymer. 2,181,158; Nov. 28.
Spalding, A. G., & Bros. Inc. (See Pierce, H. M., and Hermson, assignors.)
Spaulding, David C., Jr., assignor to The Standard Oil Company, Cleveland, Ohio. Paper tube making machinery. 2,181,645; Nov. 28.
Spaunburg, Harvey L., Bristol, and E. A. Slye, East Hartford, Conn., assignors, by mesne assignments, to The Wayne Pump Company, Fort Wayne, Ind. Gearing for liquid dispensing apparatus. 2,181,712; Nov. 28.
Speakman Company. (See Fraser, James, assignor.)
Spinnfaser Aktiengesellschaft. (See Schlipp, L., and Boettle, assignors.)
Springfield Tablet Manufacturing Company. (See MacDonnell, James A., assignor.)
Standard Oil Company, The. (See Hughes, Everett C., assignor.)
Standard Oil Company, The. (See Spaulding, David C., Jr., assignor.)
Standard Oil Development Company. (See Morway, A. J., and Miller, assignors.)
Standard Oil Development Company. (See Russell, Robert P., assignor.)
Standard Oil Development Company. (See Sparks, W. J., and Muessig, assignors.)
Standard Pyrometric Cone Company. (See Bole, G. A., and Co Van, assignors.)
Standard Pyrometric Cone Company. (See Co Van, H. E., and Bole, assignors.)
Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)
Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)
Standard Railway Equipment Manufacturing Company. (See Nystrom, Karl F., assignor.)
Standard Stoker Company, The. (See Turner, E. A., and Davidson, assignors.)
Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric welder and other circuits. 2,181,351; Nov. 28.
Stearn, John T. (See Groggins, P. H., Stearn, and Makower.)
Stearns, Sheldon, Westfield, N. J. Crushing machinery. 2,181,571; Nov. 28.
Steenbock, Fred W. (See Naegel, W. P., and Steenbock.)
Stern, Arthur F., and H. W. Hanners, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Vacuum responsive governing means for internal combustion engines. 2,181,286; Nov. 28.
Stevens, Donald R., Swissvale, and J. E. Nickels, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Production of alkylated phenols. 2,181,823; Nov. 28.
Stewart, Andrew H., Shields, and P. Kucera, assignors to The Phoenix Glass Company, Monaca, Pa. Highway signal. 2,181,613; Nov. 28.
Stewart, Samuel S., Jr. (See Goguen, C. J., and Stewart.)
Stoetzl, Ralph. (See Thompson, A. C., and Stoetzl.)
Stolnacke, Carl E., and E. J. Sabol, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Rail bond terminal. 2,181,467; Nov. 28.
Stone, Floyd B., and R. C. Arquette, San Francisco, and C. F. and R. J. Rossetter, assignors to Paul Hawkins Company, Los Angeles, Calif. Package making machine. 2,181,214; Nov. 28.
Stortz, Anton J., assignor of one-third to P. J. Majerus, Fort Atkinson, and one-third to J. E. Fitzgibbon, Milwaukee, Wis. Knitting machine. 2,181,524; Nov. 28.
Strandberg, Paul. (See Kögel, W. G. Strandberg, and Grubb.)
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,181,410; Nov. 28.
Striefling, Robert S., Detroit, Mich. Cigarette or the like. 2,181,614; Nov. 28.
Stuva, Harry, Corning, Iowa. Tractor cultivator. 2,181,824; Nov. 28.
Submarine Signal Company. (See Kallmeyer, Wilhelm, assignor.)
Submarine Signal Company. (See Satterlee, Howard A., assignor.)
Sullivan, Frank J., Oshkosh, Wis. Bladed structure. 2,181,592; Nov. 28.
Sullivan Machinery Company. (See Ferguson, Alexander D., assignor.)
Super Mold Corporation. (See Beckman, George O., assignor.)
Sutcliffe, Edgar R., Lowton, Newton-le-Willows, and W. E. Edwards, Leigh; said Edwards assignor to Sutcliffe, Speakman & Company Limited, Leigh, Lancashire, England. Adsorbent filter. 2,181,672; Nov. 28.
Sutcliffe, Speakman & Company Limited. (See Sutcliffe, E. R., and (Edwards, assignor).)
Sutton, Wilson L. (See de Ganahl, C., and Sutton.)
Svoboda, Fred J., Berwyn, Ill. Breaker point operating mechanism. 2,181,713; Nov. 28.
Swank Products, Inc. (See Zeman, Bernard R., assignor.)
Sweany, Linnie, Canton, Ohio. Swinging window. 2,181,215; Nov. 28.
Taddeo, Armand J. (See Taddeo, Luigi, assignor.)
Taddeo, Luigi, assignor to A. J. Taddeo, Cleveland, Ohio. Faucet. 2,181,630; Nov. 28.
Tate, Christopher, Malden, assignor to E. H. Tate Company, Boston, Mass. Display card for drapery hooks. 2,181,216; Nov. 28.
Tate, E. H., Company. (See Tate, Christopher, assignor.)
Taylor, James H., Oak Park, Ill. Mandrel for making pipe bends. 2,181,384; Nov. 28.
Taylor, Joseph L., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Rubberizing of fabrics and agents therefor. 2,181,538; Nov. 28.
Taylor, Le Roy B., Cleveland, Ohio. Reversible window. 2,181,385; Nov. 28.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Andrieu, Robert, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gerhard, Ernst, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hermann, Dietrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kotowski, P., and Sonnenfeld, assignors.)
Teleregister Corporation, The. (See Scheidegger, Hans R., assignor.)
Teletype Corporation. (See Reiber, Albert H., assignor.)
Temple, Leonard R., assignor to Temple Safety on Sea Corporation, Rosslyn, Va. Lifesaving garment. 2,181,159; Nov. 28.
Temple Safety on Sea Corporation. (See Temple, Leonard R., assignor.)
Ter Horst, William P., Packanack Lake, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Parasiticide. 2,181,217; Nov. 28.
Ternstedt Manufacturing Company. (See Simpson, E. G., and Graf, assignors.)
Terry, Hazel, Valparaiso, Ind. Reference device. 2,181,440; Nov. 28.
Texas Company, The. (See Cook, Leon W., assignor.)
Texas Company, The. (See McMillan, Wallace A., assignor.)
Thaheld, Feri A., assignor to The Gulberson Corporation, Dallas, Tex. Plunger. 2,181,748; Nov. 28.
Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Juice extraction method. 2,181,218; Nov. 28.
Thompson, Andrew C., and R. Stoetzl, Madera, Calif. Loading device. 2,181,795; Nov. 28.
Thomson-Gibb Electric Welding Company. (See Seifert, Charles E., assignor.)
Thompson, James R., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Coating for fastenings. 2,181,352; Nov. 28.
Timken-Detroit Axle Company, The. (See Powers, Milton A., assignor.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 2,181,631; Nov. 28.
Todd, Russell W., Bronxville, N. Y. Automatic change speed mechanism. 2,181,287; Nov. 28.
Tompkins, Emerson H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Distorted sleeve coupling. 2,181,673; Nov. 28.
Transit Research Corporation, The. (See Piron, Emil H., assignor.)
Traphagen, Harry R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Check-row planter. 2,181,441; Nov. 28.
Tressler, Donald K., Geneva, assignor to Cornell Research Foundation, Inc., Ithaca, N. Y. Wine process. 2,181,838; Nov. 28.
Tressler, Donald K., Geneva, assignor to Cornell Research Foundation, Inc., Ithaca, N. Y. Wine process. 2,181,839; Nov. 28.
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Pencil. 2,181,525; Nov. 28.
Truesdale, Melville D., Greenwich, Conn. Fruit peel press. 2,181,674; Nov. 28.

Tufts, John O., Loveland, Ohio. Embalmer's instrument. 2,181,251; Nov. 28.
Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Forced air cooled display case. 2,181,635; Nov. 28.
Turner, Edwin A., New York, N. Y., and C. R. Davison, Erie, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc. Control valve. 2,181,840; Nov. 28.
Twomley, Herbert E., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Nalling machine. 2,181,634; Nov. 28.
Underpinning & Foundation Company. (See Lewers, George R., assignor.)
Union Carbide and Carbon Corporation. (See Kehl, Robert J., assignor.)
Union Carbide and Carbon Corporation. (See Smith, Ralph R., assignor.)
Union Steel Products Company. (See Glezen, Lewis E., assignor.)
Unit Venetian Blind Supply Co. (See Nisenson, Jules, assignor.)
United Aircraft Corporation. (See Beisel, Rex B., assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., Jr., assignor.)
United Engineering & Foundry Company. (See Biggert, F. C., Jr., and Buente, assignors.)
United Gas Improvement Company, The. (See Jordan, Claude W., assignor.)
United Shoe Machinery Corporation. (See Kamborian, Jacob S., assignor.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See MacDonald, Clifford K., assignor.)
United States Rubber Company. (See ter Horst, William P., assignor.)
Upton, John W., assignor to Anderson Products, Inc., Cambridge, Mass. Pile shield. 2,181,526; Nov. 28.
Ural-Maschinenvertriebsgesellschaft m. b. H. (See Fritz, Oswald R., assignor.)
Utilities Coordinated Research, Inc. (See Jackson, L. R., and Russell, assignors.)
Vaco Products, Inc. (See Velo, Anthony C., assignor.)
Van Alstyne, Bonnie E., San Francisco, Calif. Line indicator for sidewise opening books. 2,181,615; Nov. 28.
Vandercook, David D., Evanston, and O. C. Geffken, assignors to Vandercook & Sons, Chicago, Ill. Printing press. 2,181,714; Nov. 28.
Vandercook & Sons. (See Vandercook, D. D., and Geffken, assignors.)
Vanderbilt, Byron M., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Chlorination of nitromethane. 2,181,411; Nov. 28.
Van Note, Edward B. (See Edwards, D. V., and Van Note.)
Vanore, Joseph, Haledon, N. J. Picker stick buffer for looms. 2,181,386; Nov. 28.
Vapor Car Heating Co. (See Keeran, William C., assignor.)
Vapor Car Heating Company. (See Parks, Paul B., assignor.)
Veeder-Root Incorporated. (See Bliss, Harvey N., assignor.)
Velo, Anthony C., Lancaster, Pa., assignor to Vaco Products, Inc. Automatic clutch controlling means. 2,181,470; Nov. 28.
Velo, Anthony C., Lancaster, Pa., assignor to Vaco Products, Inc. Automatic gear shift for vehicles. 2,181,471 Nov. 28.
Visking Corporation, The. (See Hewitt, Alfred G., assignor.)
Vogel, Max, Frankfort-on-the-Main, Germany. Safety envelope. 2,181,252; Nov. 28.
Vollmer, Earl C., Rock Island, Ill., assignor to Micro-Westco, Incorporated, Bettendorf, Iowa. Adjusting oil burners for low capacity burning. 2,181,527; Nov. 28.
Voss, John. (See Harris, G. W., and Voss.)
Voss, Johann H. H., White Plains, N. Y. Float valve. 2,181,219; Nov. 28.
Waasdorp, Cornelis, Los Angeles, Calif. Mechanical movement. 2,181,220; Nov. 28.
Wachter, Aaron. (See Deanesly, R. M., and Wachter.)
Wagner, Cary R., assignor to The Pure Oil Company, Chicago, Ill. Conversion of hydrocarbon gases into liquid hydrocarbons. 2,181,749; Nov. 28.
Wagner Electric Corporation. (See Boldt, Werner F., assignor.)
Wahl, Adalbert, Paris, France. Fastening device. 2,181,498; Nov. 28.
Waite, William H., Lynbrook, assignor to Dictograph Products Company, Inc., New York, N. Y. Secrecy intercommunicating telephone system. 2,181,715; Nov. 28.
Walker, Floyd H., assignor to Whiting Corporation, Harvey, Ill. Long tube vertical evaporator and the like. 2,181,750; Nov. 28.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Treatment of oil, water, and gas emulsions. 2,181,683; Nov. 28.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Emulsion treating apparatus. 2,181,684; Nov. 28.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Treatment of oil, gas, and water emulsions. 2,181,685; Nov. 28.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Apparatus for treating oil emulsions. 2,181,686; Nov. 28.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Oil, gas, and water separator. 2,181,687; Nov. 28.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Treatment of oil, gas, and water emulsions. 2,181,688; Nov. 28.
Walker Manufacturing Company. (See Mizer, Joseph J., assignor.)
Wallace, Charles F., Westfield, and J. R. MacKay, West Caldwell, N. J., assignors to Wallace & Tiernan Products, Inc., Belleville, N. Y. Motor and motor-operated apparatus. 2,181,841; Nov. 28.
Wallace & Tiernan Products, Inc. (See MacKay, John R., assignor.)
Wallace & Tiernan Products, Inc. (See Wallace, C. F., and MacKay, assignors.)
Wantz, Clarence, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Pilot burner head and support for thermocouples. 2,181,843; Nov. 28.
Warp, Harold, Chicago, Ill. Combined shipping, dispensing, and display device. 2,181,555; Nov. 28.
Warr, Harold G., Park Ridge, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,181,616; Nov. 28.
Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine arrangement. 2,181,751; Nov. 28.
Warren, Glenn B., Niskayuna, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,181,752; Nov. 28.
Washburn, Henry M., Newtonville, assignor to Raytheon Production Corporation, Newton, Mass. Grid-making machine. 2,181,288; Nov. 28.
Watkins Fruit Machinery Company. (See Watkins, Harold F., assignor.)
Watkins, Harold F., Oakland, assignor to Watkins Fruit Machinery Company, San Francisco, Calif. Fruit handling machine. 2,181,442; Nov. 28.
Watson, George H., assignor to Alluvial Mining Equipment Limited, Sydney, New South Wales, Australia. Locking means for bucket pins. 2,181,675; Nov. 28.
Wayne Pump Company, The. (See Spaunburg, H. L., and Slye, assignors.)
Weber, William F., Chicago, Ill. Stapling machine core. 2,181,387; Nov. 28.
Wedlake, Fred. (See McCurdy, W. A., and Wedlake.)
Weller, Peter B. (See Lewis, A. M., and Weller.)
Weller, Wallace E. (See Wood, L. A., and Weller.)
Wells, C. G., et al. (See Walker, Jay P., assignor.)
Wells, James G., assignor to J. H. Keeney & Co., Inc., Chicago, Ill. Game apparatus. 2,181,388; Nov. 28.
Wells, Milton H., Scarsdale, N. Y. Lock latch. 2,181,289; Nov. 28.
Wells, Sidney D., Combined Locks, assignor of one-half to G. D. Muggleton, Appleton, Wis. Fibrous material. 2,181,556; Nov. 28.
Wenk, Henry L. C., Jr., Jamaica, N. Y. Bag seal cord backing and cutting guide. 2,181,353; Nov. 28.
Wernlund, Christian J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Brass plating. 2,181,773; Nov. 28.
Wertz, Roy O., Cleveland Heights, assignor to The Ohio Electric Mfg. Co., Cleveland, Ohio. Magnet control. 2,181,539; Nov. 28.
Wertzheiser, Joseph, New York, assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Lamp structure. 2,181,646; Nov. 28.
Western-Austin Company. (See Slaker, Joseph H., assignor.)
Western Condensing Company. (See Peebles, D. D., and Manning, assignors.)
Western Newell Manufacturing Co. (See Maves, Stanley E., assignor.)
Western Union Telegraph Company, The. (See Kline, B. L., Parrott, and Erickson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Anderson, W. B., and McCloy, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ardito, William, assignor.)
Westinghouse Electric & Manufacturing Company. (See Friedländer, E., and Schmutz, assignors.)
Westinghouse Electric & Manufacturing Company. (See McCloy, Graham S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pegg, Edward H. R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Penney, Gaylord W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Saunders, William M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tull, Robert H., assignor.)

Wewetzer, Albert, and E. C. Anderson, assignors to Illinois Watch Case Company, Elgin, Ill. Watchcase mounting. 2,181,753; Nov. 28.
Wheatley, William B. (See Fleet, R. H., Wheatley, and Laddon.)
Wheaton, Estel O., assignor to Kelly-Wheaton Company, Toledo, Ohio. Transmission control. 2,181,647; Nov. 28.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Band-pass filter. 2,181,499; Nov. 28.
Wheeler, Joseph, Kecoughtan, assignor of one-tenth to H. Fleming, Kecoughtan, Va., and thirty-five per cent to D. L. Holden, Washington, D. C. Shoe polishing machine. 2,181,676; Nov. 28.
Whitaker, Uncas A., Canton, assignor to The Hoover Company, North Canton, Ohio. Ice tray. 2,181,593; Nov. 28.
White, John W., assignor to Bendix Products Corporation, South Bend, Ind. Hydraulic transmission. 2,181,754; Nov. 28.
White, Thomas L. (See Cushwa, C. B., and White.)
White, Thomas L., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Segment for forming tubular structures. 2,181,509; Nov. 28.
Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)
Whitehall Patents Corporation. (See Morin, Louis H., assignor.)
Whiting Corporation. (See Hinckley, William T., assignor.)
Whiting Corporation. (See Walker, Floyd H., assignor.)
Whitney Metal Tool Company. (See Jensen, John, assignor.)
Whittome, A. C., Limited. (See Whittome, A. C., and Boardman, assignors.)
Whittome, Arthur C., Johannesburg, Transvaal, and C. Boardman, Springs, Transvaal, assignors to A. C. Whittome (Proprietary) Limited, Johannesburg, Transvaal, Union of South Africa. Rotary pumping apparatus. 2,181,677; Nov. 28.
Wicklund, Vern C. (See Brugeson, Gunnar E., and H. W., and Wicklund.)
Widell, Nils, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,181,221; Nov. 28.
Widell, Nils, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,181,528; Nov. 28.
Wiesmann, Clemens. (See Horlbeck, A., and Wiesmann.)
Wilkins, Howard W., Warren, Mich., assignor to The Murray Corporation of America. Cage nut welder. 2,181,290; Nov. 28.
Willard, Donald E. (See Blake, Dennis B. D., assignor.)
Williams, Bert. (See Coulter, J. N., and Williams.)
Williams, Herschel V., Jr., assignor to The B. F. Goodrich Company, New York, N. Y. Key-retainer identification tag. 2,181,796; Nov. 28.
Williams, Roy C., Wayne, Ohio. Oil well pump. 2,181,774; Nov. 28.
Willis, John J., Odessa, Tex. Traversing hoist for material and article handling. 2,181,253; Nov. 28.
Wilson, Vernon H., Olympia, Wash. Artificial minnow. 2,181,254; Nov. 28.
Wilson, William H., and C. H. Land, Detroit, Mich. Tractor semitrailer combination. 2,181,389; Nov. 28.
Wilson, William H., Somerville, Mass. Emergency key for door locks. 2,181,716; Nov. 28.
Winkelmann, Herbert A., assignor to Marbon Corporation, Chicago, Ill. Insulated electrical conductor. 2,181,632; Nov. 28.
Winkler, Nathan B., Brooklyn, assignor to La France Jewelry Shop, New York N. Y. Safety clasp. 2,181,222; Nov. 28.
Winters, John, New York, N. Y. Condenser for refrigerators. 2,181,354; Nov. 28.
Winters, Leo, Detroit, Mich. Collapsible house trailer. 2,181,844; Nov. 28.
Witherspoon, John C., Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Manufacture of steel. 2,181,468; Nov. 28.
Wolf, Austin M., Plainfield, N. J. Vehicle control system. 2,181,161; Nov. 28.
Wood, Charles H., Oakland, Calif. Venetian blind. 2,181,412; Nov. 28.
Wood, Leo A., and W. E. Weller, Fond du Lac, Wis. Brake control for automotive vehicles. 2,181,717; Nov. 28.
Wood, Morris B., assignor to The Chase-Shawmut Company, Newburyport, Mass. Electric fuse. 2,181,825; Nov. 28.
Woodcrete Corporation of Wisconsin. (See Shackett, George E., assignor.)
Wooster, Philip A., San Francisco, Calif. Dispensing device. 2,181,826; Nov. 28.
Wright, Roy O., assignor of one-half to J. A. Miller, Huntington, W. Va. Wrench. 2,181,678; Nov. 28.
Yarwood, Lancelot, Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Unloading apparatus. 2,181,355; Nov. 28.
York Ice Machinery Corporation. (See Groat, Keith P., assignor.)
Youhouse, Joseph. (See Cohen, J. H., and Youhouse.)
Young, Leonard A. (See Smith, Robert F., assignor.)
Youngstown Sheet & Tube Company, The. (See Adams, James L., Jr., assignor.)
Zaenger, William W., Toledo, Ohio. Power transmission. 2,181,162; Nov. 28.
Zeman, Bernard R., Providence, R. I., assignor to Swank Products, Inc. Cravat holder. 2,181,443; Nov. 28.
Ziemmerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Folding display frame. 2,181,827; Nov. 28.
Zook, David F., Evanston, Ill. Flight indicator. 2,181,444; Nov. 28.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake. M. W. McConkey. Re. 21,280; Nov. 28.
Circuit, Selective radio. W. J. Polydoroff. Re. 21,281; Nov. 28.
Circuits, Radio-amplifying. W. J. Polydoroff. Re. 21,282; Nov. 28.
Joint, Wheel arm. J. W. Leighton. Re. 21,279; Nov. 28.
Loom, Weft replenishing shuttle changing. R. G. Turner. Re. 21,283; Nov. 28.

LIST OF PLANT INVENTIONS

Rose. R. L. Byrum. 348; Nov. 28.

LIST OF DESIGN INVENTIONS

Altar, Portable. R. T. Gudell. 117,808; Nov. 28.
Ashtray and glass retainer, Combined. I. M. Footlik. 117,847; Nov. 28.
Ashtray and glass retainer, Combined. L. G. Pilot. 117,854; Nov. 28.
Bag, Combined water and ice. R. W. Albright. 117,845; Nov. 28.
Bicycle frame. J. R. Morgan. 117,853; Nov. 28.
Bottle pourer. F. W. Hoeter. 117,841; Nov. 28.
Box. N. W. Post. 117,842; Nov. 28.
Box, Folding. M. Laine. 117,833; Nov. 28.
Bracket and shield for a condiment container or similar article, Combined supporting. L. S. Madda. 117,821; Nov. 28.
Cabinet, Cylinder type vacuum cleaner. H. S. Tuttle. 117,837; Nov. 28.
Cabinet or the like, Dentist's. H. C. Gowran. 117,807; Nov. 28.
Cabinet, Radio. H. G. Boyle. 117,846; Nov. 28.
Candelabrum. W. C. Smith. 117,836; Nov. 28.
Casserole, Covered. J. P. Thorley. 117,857; Nov. 28.
Chair or similar article. E. R. Luger. 117,795; Nov. 28.
Clasp and comb, Combined tie. T. L. Pogue. 117,822; Nov. 28.
Container for perfumes, Combination. R. B. Karoff. 117,851–2; Nov. 28.
Curler, Hair. A. W. Woodford. 117,861; Nov. 28.
Cushion. E. H. Bauer. 117,862; Nov. 28.
Desk unit. B. T. Bowers. 117,828; Nov. 28.
Die stock. R. B. Pealer. 117,798–9; Nov. 28.
Dish, Shirred egg. J. P. Thorley. 117,858; Nov. 28.
Doll. F. A. Sherman. 117,880–1; Nov. 28.
Doorframe. J. E. Druckenmiller. 117,805–6; Nov. 28.
Drawer pull. M. E. Sawicki. 117,800; Nov. 28.
Dress. P. Fracchia. 117,785; Nov. 28.
Dress. H. Lentini. 117,882; Nov. 28.
Dress. C. Mazola. 117,884; Nov. 28.
Dress. F. Sussman. 117,801; Nov. 28.
Dress. M. Stein. 117,886; Nov. 28.
Dress. M. Tint. 117,887–90; Nov. 28.
Dress. B. Weinstein. 117,891; Nov. 28.
Dress ensemble. A. Engel. 117,875; Nov. 28.
Dress ensemble. A. J. Key. 117,832; Nov. 28.
Dress ensemble. C. Mazola. 117,883; Nov. 28.
Dress ensemble. F. Perlberg. 117,877; Nov. 28.
Dress, Golf. F. E. Johnson. 117,885; Nov. 28.
Dresser cabinet or similar article, Combination bathroom. C. S. Amis. 117,778; Nov. 28.
Fabric or similar article, Embroidered textile. E. W. Freudenberg. 117,829; Nov. 28.
Fabric or similar article, Embroidered textile. E. W. Freudenberg. 117,867; Nov. 28.
Fabric or similar article, Textile. R. E. Fatherley. 117,866; Nov. 28.
Fabric, Textile. L. Goodman. 117,848; Nov. 28.
Fabric, Textile. B. C. Marx. 117,869; Nov. 28.
Fabric, Textile. E. Meyer. 117,835; Nov. 28.
Fabric, Textile. H. R. Shapiro. 117,872; Nov. 28.
Fan, Propeller type. W. L. Upson. 117,860; Nov. 28.
Fastener, Garment. E. W. Gaul. 117,830; Nov. 28.
Fender and skirt and chain guard, Combined. J. R. Morgan. 117,796; Nov. 28.
Game board. H. N. Gorrias. 117,786; Nov. 28.
Game board. A. Guerra. 117,787; Nov. 28.
Guard, Grille. G. F. Bahr. 117,779; Nov. 28.
Hat. A. Bushwick. 117,864–5; Nov. 28.
Hat. L. Millar. 117,870; Nov. 28.
Hat. I. B. Simon. 117,873; Nov. 28.
Hatchet. S. S. Vaughan. 117,803; Nov. 28.
Heater. B. B. Kahn and J. L. Tupper. 117,850; Nov. 28.
Holder, Knife. F. E. Smith. 117,825; Nov. 28.
Holder or similar article, Broom. B. J. Harvey. 117,849; Nov. 28.
Jar. F. Smith. 117,843; Nov. 28.
Jar. G. Smith, Jr. 117,844; Nov. 28.
Lace. G. M. Boysen. 117,863; Nov. 28.
Lamp, Desk. G. W. Beals. 117,827; Nov. 28.
Lavatory. G. W. Kohlmeyer and J. Fraser. 117,810; Nov. 28.
Lens or the like article, Lighting fixture. J. Levy. 117,834; Nov. 28.
Lubricant dispensing apparatus. A. F. Dean. 117,782–3; Nov. 28.
Ornament, Christmas tree. P. Kranz and A. P. Schmid. 117,789; Nov. 28.
Padlock. S. Wise. 117,838; Nov. 28.
Pen or similar article, Fountain. H. Zoll. 117,839; Nov. 28.
Pin clip. G. Verrecchio. 117,802; Nov. 28.
Plaque, Wall. W. H. Darby. 117,804; Nov. 28.
Plate or similar article. M. Gougler. 117,840; Nov. 28.
Plate or similar article. C. W. Leigh. 117,790–4; Nov. 28.
Plate or similar article. C. W. Leigh. 117,811–20; Nov. 28.
Press and frame, Combined drill. W. Ayres. 117,777; Nov. 28.
Rail bond terminal. H. P. Chandler. 117,781; Nov. 28.
Reflecting unit, Sterilizing tube. D. P. Caverly. 117,874; Nov. 28.
Sheet or similar article, Plastic. E. H. Tyson. 117,826; Nov. 28.
Shield or similar article, Make-up. E. Hicks. 117,868; Nov. 28.
Slider body and pull tab bail for slide fasteners, Combined. N. J. Poux. 117,823; Nov. 28.
Sole and heel, Combined rubber. F. A. Johnson. 117,831; Nov. 28.
Stand and shade therefor, Combined refreshment. H. J. Hater and L. Macloon. 117,809; Nov. 28.
Stand, Telephone desk. H. F. Obergfell. 117,876; Nov. 28.
Stocking. W. Percell. 117,871; Nov. 28.
Stop for slide fasteners, Bottom. N. J. Poux. 117,824; Nov. 28.
Table, Display. J. C. Barefoot. 117,780; Nov. 28.
Teapot. J. P. Thorley. 117,855–6; Nov. 28.
Teapot or similar article. J. P. Thorley. 117,859; Nov. 28.
Tiller. C. W. Kelsey. 117,788; Nov. 28.
Top. A. Niedzinski. 117,797; Nov. 28.
Towel or similar article. P. Reiman. 117,878–9; Nov. 28.
Toy. G. M. H. Dubbles. 117,784; Nov. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF NOVEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheel. J. Burns. 2,181,547; Nov. 28.
Adhesive. A. J. Heberer. 2,181,129; Nov. 28.
Adsorbent filter. E. R. Sutcliffe and W. E. Edwards. 2,181,672; Nov. 28.
Advertising sign. W. W. Patterson. 2,181,409; Nov. 28.
Aerial device. C. B. Chupp. 2,181,477; Nov. 28.
Air brake. C. A. Campbell. 2,181,223; Nov. 28.
Air conditioning apparatus. C. M. Ashley. 2,181,617; Nov. 28.
Air conditioning apparatus. H. B. Davison and E. M. Rice. 2,181,801; Nov. 28.
Air cooled display case, Forced. R. H. Tull. 2,181,635; Nov. 28.
Aircraft instrument. K. E. Kunze and T. L. Soo-Hoo. 2,181,815; Nov. 28.
Airplane control device. R. B. Bejsel. 2,181,501; Nov. 28.
Airplane with separable flotation section, All-wing. V. J. Burnelli. 2,181,574; Nov. 28.
Alarm, Burglar. J. C., O. C., and E. J. Becker. 2,181,648; Nov. 28.
Alarm system, Underground. W. A. McCurdy and F. Wedlake. 2,181,336; Nov. 28.
Aminohydroxy compounds as wetting agents. J. Martin. 2,181,534; Nov. 28.
Anchor, Earth. L. D. Kroff. 2,181,660; Nov. 28.
Anchor, Rail. H. G. Warr. 2,181,616; Nov. 28.
Animal trap. A. J. Hayden. 2,181,551; Nov. 28.
Annealing furnace. A. N. Otis. 2,181,738; Nov. 28.
Antenna. W. Buschbeck. 2,181,171; Nov. 28.
Apparatus for circle shearing. H. Demmon. 2,181,315; Nov. 28.
Apparatus for receiving compressional waves. W. Kallmeyer. 2,181,132; Nov. 28.
Apparatus for welding metal strip end to end. F. C. Biggert, Jr. 2,181,502; Nov. 28.
Arch supporting pad. L. Rosenthal. 2,181,522; Nov. 28.
Attachment for fishing lines. C. Fernstrom. 2,181,317; Nov. 28.
Attachment plug. N. Chirelstein. 2,181,575–6; Nov. 28.
Auger, Chained-head. W. D. Osborn. 2,181,306; Nov. 28.
Automatic door lock. C. L. Crooks. 2,181,393; Nov. 28.
Backed roll mill. G. Catulle. 2,181,173; Nov. 28.
Bag filler, Automatic weighing. J. A. Cook. 2,181,756; Nov. 28.
Bag handling mechanism. G. Long. 2,181,603; Nov. 28.
Ball joint. W. A. Flumerfelt. 2,181,300; Nov. 28.
Band blade slicing machine. W. W. Hartman. 2,181,233; Nov. 28.
Band-pass filter. H. A. Wheeler. 2,181,499; Nov. 28.
Base, Trolley. E. H. Piron. 2,181,570; Nov. 28.
Battery clamp. J. Michalski and Y. V. Sims. 2,181,337; Nov. 28.
Battery testing apparatus. W. C. Leingang and R. C. Rudisill. 2,181,303; Nov. 28.
Bauxite and other aluminum containing substances, Extraction of. R. Scholder. 2,181,669; Nov. 28.
Beater or mixer. C. Palmieri. 2,181,833; Nov. 28.
Benzenecarboxylic acid fluorides containing trifluomethyl groups and preparing them. H. Kracker, O. Scherer, F. Müller, and W. Schumacher. 2,181,554; Nov. 28.
Beverage cooler. C. Kavalir. 2,181,697; Nov. 28.
Binder, Loose leaf. J. Schade. 2,181,769; Nov. 28.
Binding, Ski. T. Schlytter. 2,181,794; Nov. 28.
Bit: *See*—
Rotary bit. Spudding bit.
Bit and holder therefor, Adjustable shankless. E. Reaney. 2,181,151; Nov. 28.
Bladed structure. F. J. Sullivan. 2,181,592; Nov. 28.
Blanks, Producing slitted H. M. Gersman. 2,181,228; Nov. 28.
Blind tilter, Venetian. J. Nisenson. 2,181,706; Nov. 28.
Blind, Venetian. C. H. Wood. 2,181,412; Nov. 28.
Block: *See*—
Concrete building block.
Bodies and containers from artificial resins, Manufacture of hollow. H. Hoenig. 2,181,786; Nov. 28.
Bolt lock. J. W. Geddes. 2,181,301; Nov. 28.
Bolt, Positive grip headless. D. Herst. 2,181,657; Nov. 28.
Bore holes, Method and apparatus for continuous exploration of. J. J. Jakosky. 2,181,601; Nov. 28.
Box: *See*—
Grader and dump box. Journal box.
Box. B. S. Katz. 2,181,402; Nov. 28.
Box blanks, Device for making. R. F. Moritz. 2,181,197;
Brace, Spinal. W. L. Bell. 2,181,689; Nov. 28.
Brake: *See*—
Air brake. Portable bending brake.
Brake. M. S. Graves. 2,181,271; Nov. 28.
Brake. V. W. Kliesrath. 2,181,732; Nov. 28.
Brake control for automotive vehicles. L. A. Wood and W. E. Weller. 2,181,717; Nov. 28.
Brake testing apparatus. W. Boley. 2,181,544; Nov. 28.
Braking method and device for airplane launching system. R. H. Fleet, W. B. Wheatley, and I. M. Laddon. 2,181,656; Nov. 28.
Brass plating. C. J. Wernlund. 2,181,773; Nov. 28.
Bread slicing machine. W. Hoppe. 2,181,680–1; Nov. 28.
Breaker point operating mechanism. F. J. Svoboda. 2,181,713; Nov. 28.
Breech mechanism. M. M. Johnson, Jr. 2,181,131; Nov. 28.
Brew cooling. H. E. Schulse. 2,181,710; Nov. 28.
Brewer, Coffee. H. Cory. 2,181,578; Nov. 28.
Brief case. W. Satz. 2,181,208; Nov. 28.
Brush, Cleaning. P. H. Durup. 2,181,266; Nov. 28.
Buffer for looms, Picker stick. J. Vanore. 2,181,386; Nov. 28.
Building construction. R. W. McLaughlin, Jr. 2,181,831; Nov. 28.
Building material. G. E. Shackett. 2,181,466; Nov. 28.
Bumper, Automobile. W. J. McIntyre. 2,181,245; Nov. 28.
Burner: *See*—
Oil burner.
Burner for liquid fuel. J. L. Breese. 2,181,261; Nov. 28.
Burner head and support for thermocouples, Pilot. C. Wantz. 2,181,843; Nov. 28.
Burners for low capacity burning, Adjusting oil. E. C. Vollmer. 2,181,527; Nov. 28.
Bus system, Electrical. J. M. Melzer. 2,181,664; Nov. 28.
Button, Horn. W. K. Creson. 2,181,783; Nov. 28.
Cabin, Oxygenated. O. H. Otterson. 2,181,199; Nov. 28.
Cabinet: *See*—
Utility cabinet.
Cable: *See*—
Insulated cable.
Cable. P. M. Bourdon. 2,181,475; Nov. 28.
Cable gripping device, Dead-end. C. L. Chatham. 2,181,392; Nov. 28.
Can: *See*—
Easy opening can.
Can body side seams, Apparatus for internally striping. A. L. Kronquest. 2,181,332; Nov. 28.
Can for rice and similar edible substances. T. Domoto. 2,181,511; Nov. 28.
Car: *See*—
Dump car.
Car construction, Railway. G. G. Gilpin. 2,181,583; Nov. 28.
Carbon and copy sheet assembly, Hectograph. R. V. Bowman. 2,181,363; Nov. 28.
Carbon black, Apparatus for producing. V. F. Hanson. 2,181,759; Nov. 28.
Carbon dioxide converter. R. E. McIlrath. 2,181,195; Nov. 28.
Card for drapery hooks, Display. C. Tate. 2,181,216; Nov. 28.
Card holder. E. Glover. 2,181,324; Nov. 28.
Carton. H. L. Greve. 2,181,483; Nov. 28.
Carton. D. A. Snyder and R. T. Hill. 2,181,837; Nov. 28.
Case: *See*—
Air cooled display case. Display case.
Brief case. Fibroid case.
Caster wheel. R. A. Butter and L. B. Neighbour. 2,181,722; Nov. 28.
Casting, Method and apparatus for pressure. J. N. Smith. 2,181,157; Nov. 28.
Catalytic hydrogenation of epsilon-caprolactam to amines. W. A. Lazier and G. W. Rigby. 2,181,140; Nov. 28.
Cathode ray tube. F. H. Nicoll. 2,181,850; Nov. 28.
Cellulose compound composition. R. P. Russell. 2,181,609; Nov. 28.
Cellulose derivatives, Manufacture of. H. Dreyfus. 2,181,264; Nov. 28.
Cellulose from bagasse, Liberating. J. P. Foster and H. L. Joachim. 2,181,785; Nov. 28.
Cereals, Puffing. J. L. Kellogg. 2,181,372; Nov. 28.
Chair: *See*—
Reclining chair. Wheel chair.
Chair for doctors, dentists, hairdresser, and the like. B. Schneider. 2,181,465; Nov. 28.
Change-speed gear. G. Meyer. 2,181,460; Nov. 28.
Charging, Method of. G. S. McCloy. 2,181,853; Nov. 28.
Chemicals from cellulose waste liquor, Method of and apparatus for recovering. E. J. Janhunen. 2,181,330; Nov. 28.
Chimney. R. P. Moran. 2,181,338; Nov. 28.

Chopper, Food. S. Braun. 2,181,780; Nov. 28.
Chromatic device. F. R. Higley. 2,181,184; Nov. 28.
Cigarette or the like. R. S. Striefling. 2,181,614; Nov. 28.
Circuit: *See*—
Electrical impulse segregation circuit.
Circuit breaker. M. L. Jeffrey. 2,181,829; Nov. 28.
Circuit breaker. G. H. Perryman and P. Schwerin. 2,181,586; Nov. 28.
Circuit make and break device. C. Larcamp. 2,181,374; Nov. 28.
Circuit make and break device, Synchronous. W. E. Palmer. 2,181,283; Nov. 28.
Clamp: *See*—
Battery clamp.
Clamp and adjustable drill guide, Combination bone. J. R. Siebrandt. 2,181,746; Nov. 28.
Clamp assembly for a cylinder of a printing press, Expansible plate. A. Cooper. 2,181,846; Nov. 28.
Clasp, Safety. N. B. Winkler. 2,181,222; Nov. 28.
Cleaner: *See*—
Thread cleaner.
Clip: *See*—
Wrench clip.
Closure, Dispensing. H. H. Martin. 2,181,335; Nov. 28.
Closure for bottles and jars and making the same. H. R. Eccleston. 2,181,179; Nov. 28.
Closure for collapsible tubes. J. L. Hudson. 2,181,430; Nov. 28.
Closure, Receptacle. L. R. N. Carvalho. 2,181,799; Nov. 28.
Clothesline reel. W. J. Cutshall. 2,181,226; Nov. 28.
Clothesline reel. H. A. Lovegran. 2,181,141; Nov. 28.
Clutch: *See*—
Vacuum power clutch.
Clutch controlling means, Automatic. A. C. Velo. 2,181,470; Nov. 28.
Clutch mechanism. F. C. Best. 2,181,649; Nov. 28.
Clutch mechanism, Automatic. R. D. Bateman. 2,181,797; Nov. 28.
Clutch operating mechanism. R. S. Sanford. 2,181,743; Nov. 28.
Coating for fastenings. J. R. Thompson. 2,181,352; Nov. 28.
Coffee maker. R. S. McNeil. 2,181,246; Nov. 28.
Coin holder. N. Fulton. 2,181,806; Nov. 28.
Coin selector. B. E. Mills. 2,181,818; Nov. 28.
Coloring matter, Colloidized azo. M. L. Crossley, R. H. Kienle, and A. L. Peiker. 2,181,800; Nov. 28.
Comb, Curler. S. Behr. 2,181,472; Nov. 28.
Comb with curler, Brush. S. Behr. 2,181,448; Nov. 28.
Combustion apparatus. G. J. Gorsuch. 2,181,727; Nov. 28.
Combustion apparatus. J. W. Miller. 2,181,407; Nov. 28.
Compact, Ash-receptacle. A. D. Kaner. 2,181,275; Nov. 28.
Composition for liners. D. M. Gray. 2,181,481; Nov. 28.
Compressor, Hydraulic air. G. W. Harris and J. Voss. 2,181,729; Nov. 28.
Concrete building block. M. A. Knapp. 2,181,814; Nov. 28.
Condenser: *See*—
Electrolytic condenser.
Condenser for refrigerators. J. Winters. 2,181,354; Nov. 28.
Connection, Swivel electric. J. F. Mose. 2,181,145; Nov. 28.
Connector: *See*—
Electrical connector.
Container: *See*—
Metal container. Moistureproof container.
Container. D. E. Mackenzie. 2,181,569; Nov. 28.
Container and closure therefor. A. M. Boothby and M. E. Gazette. 2,181,545; Nov. 28.
Container for tacks, Dispensing. H. E. Lowry. 2,181,661; Nov. 28.
Container, Producing a double-walled. H. K. Kimble. 2,181,240; Nov. 28.
Control for arc lamps. F. C. Coates. 2,181,174; Nov. 28.
Control for traveling cranes or the like, Photoelectric. H. W. Ball. 2,181,778; Nov. 28.
Control means for driving and driven elements. M. Leichsenring, Jr. 2,181,700; Nov. 28.
Control valve. E. A. Turner and C. R. Davison. 2,181,840; Nov. 28.
Controller for electric welder and other circuits. C. Stansbury. 2,181,351; Nov. 28.
Conveyer attachment. B. H. Johnson. 2,181,659; Nov. 28.
Conveying mechanism. F. A. Browne. 2,181,298; Nov. 28.
Cooler: *See*—
Beverage cooler. Milk cooler.
Cord backing and cutting guide, Bag seal. H. L. C. Wenk, Jr. 2,181,353; Nov. 28.
Core for electrodepositing pipe couplings. A. C. Arbogast. 2,181,256; Nov. 28.
Core for producing pipe couplings by electrodeposition. A. C. Arbogast. 2,181,257; Nov. 28.
Counter. H. N. Bliss. 2,181,260; Nov. 28.
Coupling: *See*—
Distorted sleeve coupling. Flexible coupling.
Coupling. W. P. Schmitter. 2,181,537; Nov. 28.
Cover and holder, Stenographer's notebook. J. H. Becker. 2,181,557; Nov. 28.
Cravat holder. B. R. Zeman. 2,181,443; Nov. 28.
Crayon holder. F. G. Prain. 2,181,202; Nov. 28.
Crushing machinery. S. Stearns. 2,181,571; Nov. 28.
Culture for butyric acid fermentation. R. Arroyo. 2,181,311; Nov. 28.
Current converting system, Multiphase. E. Rolf. 2,181,152; Nov. 28.
Curtain fixture, Bowed. J. H. Boye. 2,181,417; Nov. 28.
Cushion filling machine attachment, Spring. M. Abramowitz and J. Marino. 2,181,308; Nov. 28.
Cutting device, Automatic. C. E. Ives. 2,181,185; Nov. 28.
Deposition, Process of. H. C. Davis. 2,181,177; Nov. 28.
Derivatives of a phenol obtained from cashew nut shell liquid and preparing same. S. Caplan. 2,181,119; Nov. 28.
Desk, Lecture. D. Katz. 2,181,133; Nov. 28.
Desk, Lecture and projection. D. Katz. 2,181,134; Nov. 28.
Device for, and method of, protecting hog-carcass tongues. R. J. Gunderson. 2,181,370; Nov. 28.
Device for flues, chimneys, and the like. J. Haag. 2,181,232; Nov. 28.
Device for packaging for shipment lamp shades and other like articles. D. Moskowitz. 2,181,198; Nov. 28.
Dextrins, Production of modified. P. D. Coppock. 2,181,782; Nov. 28.
Dictating machine. L. D. Norton. 2,181,437; Nov. 28.
Diode detector, Compensated. A. W. Barber. 2,181,469; Nov. 28.
Dispenser: *See*—
Liquid dispensing dispenser.
Dispensing and displaying means for narrow fabrics. B. J. Goldsmith. 2,181,808; Nov. 28.
Dispensing device. P. A. Wooster. 2,181,826; Nov. 28.
Dispersing agent and making the same. A. E. Catanach and E. Kolthoff. 2,181,449; Nov. 28.
Display case. W. Ardito. 2,181,637; Nov. 28.
Display device for elongate articles. S. E. Mayes. 2,181,459; Nov. 28.
Display frame, Folding. H. Ziemmerman. 2,181,827; Nov. 28.
Distorted sleeve coupling. E. H. Tompkins. 2,181,673; Nov. 28.
Door: *See*—
Vehicle operated overhead door.
Door latch, Refrigerator. A. E. Nave. 2,181,493; Nov. 28.
Door saddle. F. W. Kammerer. 2,181,812; Nov. 28.
Dough rolling means. O. Molin. 2,181,666; Nov. 28.
Drape shaper. F. Kaufman. 2,181,813; Nov. 28.
Drawing, Split. J. A. Asbelle. 2,181,777; Nov. 28.
Drill bit head, Earth. C. A. Dean. 2,181,394; Nov. 28.
Drilling machine and pipe tongs, Rotary. H. C. Hicks. 2,181,641; Nov. 28.
Drive, Freewheeling. S. B. Kurzina, Jr. 2,181,242; Nov. 28.
Drive mechanism. G. E. Moore. 2,181,735; Nov. 28.
Driving mechanism for cycles. T. C. Delaval-Crow and E. W. Glacy. 2,181,425; Nov. 28.
Driving mechanism for cycles. E. W. Glacy and T. C. Delaval-Crow. 2,181,424; Nov. 28.
Dry-cleaning process. E. H. Bucy. 2,181,691; Nov. 28.
Dump car. J. H. Slaker. 2,181,629; Nov. 28.
Easel. A. M. Barrett. 2,181,390; Nov. 28.
Easy opening can. P. E. Pearson. 2,181,339; Nov. 28.
Edible product, Producing an. D. Farr. 2,181,655; Nov. 28.
Electric discharge lamp. O. H. Biggs. 2,181,294; Nov. 28.
Electric discharge lamp. H. J. McCarthy. 2,181,296; Nov. 28.
Electric motor. J. H. Cohen and J. Youhouse. 2,181,418; Nov. 28.
Electric welding machine. J. V. Caputo. 2,181,652; Nov. 28.
Electrical apparatus. R. R. Smith. 2,181,497; Nov. 28.
Electrical condenser. F. J. Given. 2,181,695; Nov. 28.
Electrical conductor, Insulated. H. A. Winkelmann. 2,181,632; Nov. 28.
Electrical connector. A. W. Faires, L. E. Fine, and W. H. Green. 2,181,802; Nov. 28.
Electrical impulse segregation circuit. R. Andrieu. 2,181,309; Nov. 28.
Electrical testing system. F. E. Blount. 2,181,560; Nov. 28.
Electrical wave generator. D. Hermann. 2,181,328; Nov. 28.
Electrical wave production. R. L. Miller. 2,181,280; Nov. 28.
Electrolytic condenser. J. A. Poitras. 2,181,607; Nov. 28.
Electron tube. D. V. Edwards and E. B. Van Note. 2,181,366; Nov. 28.
Electronic device. C. H. Brown. 2,181,170; Nov. 28.
Electroplating apparatus. C. W. Lowe. 2,181,490; Nov. 28.
Electrostatic machine. W. D. Coolidge and W. K. Kearsley. 2,181,724; Nov. 28.
Electrostatic precipitator. E. H. R. Pegg. 2,181,147; Nov. 28.
Electrostatic precipitator. G. W. Penney. 2,181,767; Nov. 28.

Embalmer's instrument. J. O. Tufts. 2,181,251; Nov. 28.
Emulsion treating apparatus. J. P. Walker. 2,181,684; Nov. 28.
Emulsions, Preparation of light-sensitive. C. A. Schleusaner. 2,181,383; Nov. 28.
Engine. A. J. Meyer. 2,181,705; Nov. 28.
Engine starting mechanism. R. P. Lansing. 2,181,333; Nov. 28.
Envelope-making machine. A. Novick. 2,181,518; Nov. 28.
Envelope, Safety. M. Vogel. 2,181,252; Nov. 28.
Envelope strip, Manifold. F. B. Smith. 2,181,212; Nov. 28.
Equalizer for mechanically operated automobile brakes. D. Nicol, Jr. 2,181,626; Nov. 28.
Evaporator and the like, Long tube vertical. F. H. Walker. 2,181,750; Nov. 28.
Evaporator and the like, Multiple effect. W. T. Hinckley. 2,181,731; Nov. 28.
Extension table. E. P. Charak. 2,181,262; Nov. 28.
Fabric and method, Knitted. R. H. Lawson and W. Armitage. 2,181,515; Nov. 28.
Fabrics and agents therefor, Rubberizing of. J. I. Taylor. 2,181,538; Nov. 28.
Facing unit, Structural. A. B. Dow. 2,181,451; Nov. 28.
Fan apparatus. S. F. Shawhan. 2,181,628; Nov. 28.
Fastening device. G. A. Tinnerman. 2,181,631; Nov. 28.
Fastening device. A. Wahl. 2,181,498; Nov. 28.
Fastening-supplying apparatus. J. T. Lancaster. 2,181,139; Nov. 28.
Faucet. L. Taddeo. 2,181,630; Nov. 28.
Feed mill, Dual purpose. C. E. Everett. 2,181,397; Nov. 28.
Feed roll for sheet material. W. E. Burns. 2,181,314; Nov. 28.
Feeder for cigarette making machines. C. W. Gooch, Jr. 2,181,229; Nov. 28.
Feeding finger. J. V. Anslinger. 2,181,358; Nov. 28.
Feeding mechanism for box blank machines. K. Sieg. 2,181,211; Nov. 28.
Fender skirt locking mechanism. A. P. Fergueson. 2,181,367; Nov. 28.
Fermentation process for producing butyric acid. R. Arroyo. 2,181,310; Nov. 28.
Fibroid case. H. L. Greve. 2,181,482; Nov. 28.
Fibrous material. S. D. Wells. 2,181,556; Nov. 28.
Filter: *See*—
Adsorbent filter. Band-pass filter.
Finish or wall plate. W. H. Lantz, Jr. 2,181,278; Nov. 28.
Finishing device for cement surfaces. C. A. Leistner and R. Conway. 2,181,375; Nov. 28.
Fire extinguisher. C. H. Lindsay. 2,181,488; Nov. 28.
Fireplace heater. H. W. Maurer. 2,181,624; Nov. 28.
Fishing reel. W. G. Balz and E. D. Clickner. 2,181,259; Nov. 28.
Flange structure, Composite. B. H. Miller. 2,181,196; Nov. 28.
Flexible coupling. F. M. Guy. 2,181,183; Nov. 28.
Flight indicator. D. F. Zook. 2,181,444; Nov. 28.
Float and fish lure, Combination. G. G. La Gue. 2,181,458; Nov. 28.
Float valve. J. H. H. Voss. 2,181,219; Nov. 28.
Flooring, Watertight. L. J. Papineau. 2,181,200; Nov. 28.
Flow regulator. M. H. Grove. 2,181,428; Nov. 28.
Fluid supply, Controlling. F. Gawan. 2,181,422; Nov. 28.
Fluorescent lamp. H. W. Myers. 2,181,305; Nov. 28.
Fly trap. W. G. Bruce. 2,181,595; Nov. 28.
Food products, Preparing pickled. L. J. Kelly, W. G. Mueller, and V. L. Brunette. 2,181,239; Nov. 28.
Foodstuffs and the like, Apparatus for irradiating. O. H. Bigg. 2,181,293; Nov. 28.
Form, Display. L. L. Grencker. 2,181,325; Nov. 28.
Forming and finishing tool. R. P. Lambright. 2,181,137; Nov. 28.
Frame: *See*—
Display frame. Truck side frame.
Movable suspension frame.
Frame for luggage cases, Garment supporting. A. Levine. 2,181,334; Nov. 28.
Frame member, Rear. B. J. Anderson. 2,181,413; Nov. 28.
Fruit handling machine. H. F. Watkins. 2,181,442; Nov. 28.
Fruit peel press. M. D. Truesdale. 2,181,674; Nov. 28.
Fruit, Preparation of glacé. C. Lachman. 2,181,514; Nov. 28.
Fuel, Motor. E. M. Marks. 2,181,143; Nov. 28.
Furnace: *See*—
Annealing furnace.
Fuse, Electric. M. B. Wood. 2,181,825; Nov. 28.
Game apparatus. J. G. Wells. 2,181,388; Nov. 28.
Game device. J. D. Irwin. 2,181,236; Nov. 28.
Game, Election. W. C. Sanford. 2,181,793; Nov. 28.
Garden tool. A. S. Lathan. 2,181,189; Nov. 28.
Garment. M. London. 2,181,517; Nov. 28.
Garment, Lifesaving. L. R. Temple. 2,181,159; Nov. 28.
Garment-ventilating means. A. H. Cohen. 2,181,175; Nov. 28.
Gas, Apparatus for heating. H. W. Davenport. 2,181,654; Nov. 28.
Gas heating apparatus. H. G. Landis. 2,181,138; Nov. 28.
Gas purification. C. W. Jordan. 2,181,433; Nov. 28.
Gases into liquid hydrocarbons, Conversion of hydrocarbon. C. R. Wagner. 2,181,749; Nov. 28.
Gasoline, Recovering casing-head. A. J. L. Hutchinson. 2,181,633; Nov. 28.
Gate or the like, Swinging. E. Renner. 2,181,464; Nov. 28.
Gate structure, Tail. F. M. Reid. 2,181,342; Nov. 28.
Gauge: *See*—
Pressure gauge.
Gear: *See*—
Change-speed gear.
Gear shift for vehicles, Automatic. A. C. Velo. 2,181,471; Nov. 28.
Gear shifting mechanism for motor vehicles. E. G. Hill and H. W. Hey. 2,181,532; Nov. 28.
Gearing for liquid dispensing apparatus. H. L. Spaunburg and E. A. Slye. 2,181,712; Nov. 28.
Gelatin relief. M. Herbst and W. Frankenburger. 2,181,485; Nov. 28.
Gem setting. J. C. Link. 2,181,489; Nov. 28.
Generator: *See*—
Electrical wave generator.
Glider. A. G. Griffin. 2,181,326; Nov. 28.
Gloves, Coating. E. E. Montgomery. 2,181,247; Nov. 28.
Golf ball. R. F. Smith. 2,181,350; Nov. 28.
Governing means for internal combustion engines, Vacuum responsive. A. F. Stern and H. W. Hanners. 2,181,286; Nov. 28.
Governor for automotive vehicles, Speed. E. A. Hansen. 2,181,429; Nov. 28.
Grader and dump box, Combination dirt and gravel. F. N. Kolberg. 2,181,403; Nov. 28.
Grain separator. C. C. Ingraham. 2,181,431; Nov. 28.
Grease retainer. N. S. Reynolds. 2,181,203; Nov. 28.
Grease separator. G. J. Dehn. 2,181,263; Nov. 28.
Grid-making machine. H. M. Washburn. 2,181,288; Nov. 28.
Guard for sewing machine stitch regulators. M. Ingwer and H. Fleisher. 2,181,828; Nov. 28.
Guard, Highway. J. E. McCracken. 2,181,703; Nov. 28.
Guard, Skate. T. W. Barnard. 2,181,779; Nov. 28.
Guard, Splash. C. A., F. B., and W. A. Geers. 2,181,807; Nov. 28.
Guide head for yarn packaging device, Reciprocating. W. J. Elvin and J. L. Killoran. 2,181,267; Nov. 28.
Gun battery or mounting, more particularly for antiaircraft defense. F. Radelet and M. Schul. 2,181,819; Nov. 28.
Hanger for coiled wire bound tablets. J. A. MacDonnell. 2,181,662; Nov. 28.
Hanger for screens and storm sash. K. F. Nothdurft. 2,181,585; Nov. 28.
Hasp and hinge fittings for attaché and suit cases and the like, Extensible. C. W. Cheney. 2,181,723; Nov. 28.
Hat. R. Feige. 2,181,180; Nov. 28.
Hatch construction. C. D. Bonsall. 2,181,115; Nov. 28.
Headgear. G. C. Ames. 2,181,446; Nov. 28.
Heat, Apparatus for transferring. M. E. Fiene. 2,181,726; Nov. 28.
Heat distribution with air conditioning, Baseboard. C. B. Simoneau. 2,181,747; Nov. 28.
Heat economizer, Furnace. B. G. Cross. 2,181,597; Nov. 28.
Heat exchange apparatus. K. P. Groat. 2,181,230; Nov. 28.
Heat exchange apparatus. W. C. Keeran. 2,181,602; Nov. 28.
Heat exchange equipment. J. M. Jenkins. 2,181,486; No. 28.
Heat transfer apparatus. D. R. McNeal. 2,181,704; Nov. 28.
Heater: *See*—
Fireplace heater.
Heater construction, Induction. L. R. Jackson and H. W. Russell. 2,181,274; Nov. 28.
Heating element, Electric. W. D. Harris. 2,181,484; Nov. 28.
Heating means for plate cylinders of rotary presses. D. L. Boyd. 2,181,690; Nov. 28.
Heating system. M. C. Gillett, E. N. Sanbern, and A. O. Roche, Jr. 2,181,480; Nov. 28.
Heating system for railway cars, Thermostatically controlled. W. J. Madden. 2,181,436; Nov. 28.
Heating system, Vehicle. J. Rumpf. 2,181,742; Nov. 28.
Highway signal. A. H. Stewart and P. Kucera. 2,181,613; Nov. 28.
Hitch, Implement. L. E. Gorger. 2,181,270; Nov. 28.
Hitch, Trailer. J. O. Duncan. 2,181,178; Nov. 28.
Hitch with brake-operating means, Trailer. W. P. Naegele and F. W. Steenbock. 2,181,736; Nov. 28.
Hoist. A. M. Barrett. 2,181,359; Nov. 28.
Hoist for material and article handling, Traversing. J. J. Willis. 2,181,253; Nov. 28.
Hold-down for storage batteries. E. L. Lord. 2,181,304; Nov. 28.
Holder: *See*—
Card holder. Pen point holder.
Coin holder. Roll holder.
Crayon holder.
Hollow articles, Making. G. H. Phelps and H. S. Holmes. 2,181,201; Nov. 28.

Horn control for a motor vehicle. A. M. Cunha. 2,181,419; Nov. 28.
House, Prefabricated. J. H. Bates and T. H. Hansen. 2,181,169; Nov. 28.
House trailer, Collapsible. L. Winters. 2,181,844; Nov. 28.
Hull of mechanically propelled vessels. F. G. Pratt. 2,181,463; Nov. 28.
Humidifying apparatus. G. L. Briggs. 2,181,650; Nov. 28.
Hydrocarbons, Conversion of. P. C. Keith, Jr., G. W. Robinson, and G. Roberts, Jr. 2,181,302; Nov. 28.
Hydrocarbons, Process and products relating to production of valuable. R. M. Deanesly and A. Wachter. 2,181,640; Nov. 28.
Hydrocarbons, Production of dinitro derivatives of saturated non-benzenoid. H. B. Hass and L. W. Seigle. 2,181,531; Nov. 28.
Impulse or pulse transmitter. P. Kotowski and S. Sonnenfeld. 2,181,568; Nov. 28.
Index device. T. Jensen. 2,181,432; Nov. 28.
Indicator: *See*—
Flight indicator. Spark plug performance indicator.
Remote indicator.
Injector. H. E. F. C. Lingenbrink. 2,181,701; Nov. 28.
Insert for concrete constructions. F. D. Reiland. 2,181,740; Nov. 28.
Insole, Making. H. G. Lumbard. 2,181,787; Nov. 28.
Insulated cable. A. R. Kemp and F. S. Malm. 2,181,188; Nov. 28.
Irrigating implement. J. W. Adams. 2,181,540; Nov. 28.
Jewels in perforated plates, Affixing. F. S. Bunker. 2,181,573; Nov. 28.
Joint: *See*—
Ball joint. Slab joint.
Riveted joint. Turbine casing joint.
Joint, Assembling the elements of a. H. A. Knox. 2,181,136; Nov. 28.
Jointsealing strip. F. E. Davenport. 2,181,530; Nov. 28.
Joist support, Adjustable. W. J. Masoner. 2,181,702; Nov. 28.
Journal box. H. Fox. 2,181,268; Nov. 28.
Juice extraction method. A. R. Thompson. 2,181,218; Nov. 28.
Ketones, Aliphatic hydroxy-ether. A. F. Bowles and S. Kaplan. 2,181,476; Nov. 28.
Key for door locks, Emergency. W. H. Wilson. 2,181,716; Nov. 28.
Kit, Sewing. C. P. and L. P. Neats. 2,181,766; Nov. 28
Knitting machine. H. McAdams. 2,181,679; Nov. 28.
Knitting machine. A. J. Stortz. 2,181,524; Nov. 28.
Lamp: *See*—
Electric discharge lamp. Reflector bulb lamp.
Fluorescent lamp.
Lamp structure. J. Wertzheiser. 2,181,646; Nov. 28.
Last. J. Fitzpatrick. 2,181,368; Nov. 28.
Latch: *See*—
Door latch. Lock latch.
Leather and fabrics, Process and apparatus for ornamenting. R. M. Sichère. 2,181,852; Nov. 28.
Lifting mechanism. J. J. Mizer. 2,181,378; Nov. 28.
Light-sensitive electric device. F. C. Nix. 2,181,494; Nov. 28.
Line indicator for sidewise opening books. B. E. Van Alstyne. 2,181,615; Nov. 28.
Liner segment. C. B. Cushwa and T. L. White. 2,181,508; Nov. 28.
Lining unit for burial cases. E. C. Bowler, Jr. 2,181,504; Nov. 28.
Liquid dispensing dispenser. F. Reade. 2,181,521; Nov. 28.
Liquid from solid matters suspended therein, Apparatus for separating a. I. E. Johannson. 2,181,456; Nov. 28.
Liquid refiner. J. K. Russell, W. B. Collins, and W. W. Boggs. 2,181,608; Nov. 28.
Load indicator for trucks. J. T. Labbe. 2,181,277; Nov. 28.
Loading device. A. C. Thompson and R. Stoetzl. 2,181,795; Nov. 28.
Lock: *See*—
Automatic door lock. Vehicle lock.
Bolt lock.
Lock. H. C. Blodgett. 2,181,313; Nov. 28.
Lock. J. H. Milligan. 2,181,762; Nov. 28.
Lock for power hammers, Internally cushioned tool-and-chuck. J. J. Roberts. 2,181,381; Nov. 28.
Lock latch. M. H. Wells. 2,181,289; Nov. 28.
Locking means for bucket pins. H. G. L. Eckart. 2,181,125; Nov. 28.
Locking means for bucket pins. G. H. Watson. 2,181,675; Nov. 28.
Long-distance indicating system, Electric. H. R. Scheidegger. 2,181,682; Nov. 28.
Lumber, Piling. J. B. Chipman. 2,181,357; Nov. 28.
Lumber piling rack. J. B. Chipman. 2,181,356; Nov. 28.
Machine driving and stopping mechanism. E. E. Fessenden, Jr. 2,181,318; Nov. 28.
Machine for cutting strip stock. V. S. Firestone. 2,181,398; Nov. 28.
Machine for ornamenting leather, etc. R. M. Sichère. 2,181,348–9; Nov. 28.
Machine tool, Universal. F. W. Hack. 2,181,128; Nov. 28.
Magnet control. R. O. Wertz. 2,181,539; Nov. 28.
Mandrel and polisher for polishing and grinding devices. H. R. Berger. 2,181,474; Nov. 28.
Mandrel for making pipe bends. J. H. Taylor. 2,181,384; Nov. 28.
Mandrel for small-mouthed containers, Collapsible. I. F. Mandell. 2,181,816; Nov. 28.
Manual or guide, Service. J. A. Purvis. 2,181,588; Nov. 28.
Marking device and using the same. R. Hoffman. 2,181,600; Nov. 28.
Material and method for the treatment of rubber. G. Goll and E. Helft. 2,181,426; Nov. 28.
Material, Apparatus for treating. G. R. Lewers. 2,181,190; Nov. 28.
Material, Coated laminated structural. E. C. Hughes. 2,181,811; Nov. 28.
Material, Moistureproofed. F. K. Shankweiler. 2,181,160; Nov. 28.
Material, such as briquettes, Apparatus for the carbonization of. E. C. Mengel. 2,181,789; Nov. 28.
Materials, Diurethane-diamine polymeric. E. L. Martin. 2,181,663; Nov. 28.
Measurement and control of the flow of viscous fluids. H. G. Geissinger. 2,181,322; Nov. 28.
Measuring valve, Self-closing. J. Fraser. 2,181,581; Nov. 28.
Mechanical movement. C. L. Hawes. 2,181,234; Nov. 28.
Mechanical movement. C. Waasdorp. 2,181,220; Nov. 28.
Medicinal agent. G. A. Alles. 2,181,845; Nov. 28.
Metal container. W. G. Plumb. 2,181,340; Nov. 28.
Metal stock and the like, Switching of. C. W. Hawthorne 2,181,401; Nov. 28.
Metal treating apparatus. F. C. Biggert, Jr., and C. F. Buente. 2,181,503; Nov. 28.
Metals, Multiple cold reducing strip. H. S. Orr. 2,181,462; Nov. 28.
Metallic powders, Treatment of. J. E. Drapeau, Jr., and L. G. Klinker. 2,181,123; Nov. 28.
Meter reading scope, Gas. G. B. Gelakoski. 2,181,453; Nov. 28.
Meter-testing device. S. B. Calhoon. 2,181,172; Nov. 28.
Methyl violet, Purification of. O. S. Frank. 2,181,369; Nov. 28.
Microphone. W. H. Huth. 2,181,565; Nov. 28.
Microporous separator and making the same. W. J. Burgess. 2,181,299; Nov. 28.
Milk cooler. V. W. Hiller. 2,181,553; Nov. 28.
Mill: *See*—
Backed roll mill. Feed mill.
Milling machine. G. N. Levesque. 2,181,516; Nov. 28.
Minnow, Artificial. V. H. Wilson. 2,181,254; Nov. 28.
Modulating system. A. Arzmaier. 2,181,312; Nov. 28.
Moistureproof container. P. S. Pittenger. 2,181,150; Nov. 28.
Molding machine, Continuous. J. H. North. 2,181,737; Nov. 28.
Motor: *See*—
Electric motor.
Motor and motor-operated apparatus. C. F. Wallace and J. R. MacKay. 2,181,841; Nov. 28.
Motor apparatus, Electric. J. R. MacKay. 2,181,842; Nov. 28.
Motor starting arrangement, Capacitor. D. A. Mooney. 2,181,734; Nov. 28.
Motor system, Variable speed. H. A. Satterlee. 2,181,155; Nov. 28.
Motor vehicle. M. Leichsenring, Jr. 2,181,699; Nov. 28.
Mounting: *See*—
Ophthalmic mounting. Vehicle body mounting.
Universal mounting. Watch case mounting.
Mounting for brake shoes. W. F. Boldt. 2,181,721; Nov. 28.
Movable suspension frame. F. E. Madden. 2,181,406; Nov. 28.
Mower, Lawn. K. A. Caspersson. 2,181,781; Nov. 28.
Musical instrument. H. Selmer. 2,181,346; Nov. 28.
Nailing machine. H. E. Twomley. 2,181,634; Nov. 28.
Nest for birds, Platform. H. Novack. 2,181,495; Nov. 28.
Nitrate, Producing a. H. A. Beekhuis. 2,181,559; Nov. 28.
Nitromethane, Chlorination of. B. M. Vanderbilt. 2,181,411; Nov. 28.
Novelty, Suction cup. S. S. Adams. 2,181,113; Nov. 28.
Nozzle, Multiple flame. R. J. Kehl. 2,181,135; Nov. 28.
Nozzle, Suction. G. E. Björkman. 2,181,594; Nov. 28.
Oil burner. A. Behrsin. 2,181,500; Nov. 28.
Oil burner. J. H. Jackson. 2,181,186; Nov. 28.
Oil emulsions, Apparatus for treating. J. P. Walker. 2,181,686; Nov. 28.
Oil, gas, and water emulsions, Treatment of. J. P. Walker. 2,181,685; Nov. 28.
Oil, gas, and water emulsions, Treatment of. J. P. Walker. 2,181,688; Nov. 28.
Oil, gas, and water separator. J. P. Walker. 2,181,687; Nov. 28.
Oil, water, and gas emulsions, Treatment of. J. P. Walker. 2,181,683; Nov. 28.
Oil well pump. R. C. Williams. 2,181,774; Nov. 28.
Oils, Dewaxing of mineral. L. W. Cook. 2,181,638; Nov. 28.
Oils, Refining vegetable and animal. O. E. Fröding. 2,181,563; Nov. 28.
Oiler, Leader pin. E. A. Baumbach. 2,181,360; Nov. 28.

Olefin polymer, Oxidized chlorinated. W. J. Sparks and C. W. Muessig. 2,181,158; Nov. 28.
Olefins, Polymerization of tertiary-base. W. A. McMillan. 2,181,642; Nov. 28.
1,3-dihalo-isobutanes, Hydrolysis of. E. C. Britton and G. H. Coleman. 2,181,207; Nov. 28.
1,2-dihydronaphthalene, Polymerization of. N. D. Scott. 2,181,770; Nov. 28.
Operating device for control surfaces for airplanes. R. W. Ayer. 2,181,258; Nov. 28.
Operating mechanism, Fluid actuated. C. de Ganahl and W. L. Sutton. 2,181,562; Nov. 28.
Ophthalmic mounting. C. O. Cozzens. 2,181,365; Nov. 28.
Organic compounds and preparing same, High molecular weight halogenated. A. J. Morway and F. L. Miller. 2,181,144; Nov. 28.
Organic substances, Preservation of. S. Musher. 2,181,765; Nov. 28.
Organic substances, Stabilization of. F. B. Downing and C. J. Pedersen. 2,181,121–2; Nov. 28.
Ornamental ring. L. Chickering. 2,181,507; Nov. 28.
Oscillation damping means. F. M. M. B. Salomon. 2,181,610; Nov. 28.
Outlet, Valved fluid. E. B. Goon and G. W. Heath. 2,181,758; Nov. 28.
Oven, Baker's. L. E. Glezen. 2,181,323; Nov. 28.
Oven for baking, Steam. A. Horlebeck and C. Wiesmann. 2,181,130; Nov. 28.
Package. C. V. Brown. 2,181,506; Nov. 28.
Package. A. G. Hewitt. 2,181,320; Nov. 28.
Package making machine. F. B. Stone, R. C. Arquette, and C. F. and R. J. Rossetter. 2,181,214; Nov. 28.
Pad: *See*—
Arch supporting pad.
Paper die cutting machine. E. H. Curtis, Jr. 2,181,639; Nov. 28.
Paper imprinter. T. A. Loris. 2,181,435; Nov. 28.
Paper sheet feeding mechanism. R. Klemm. 2,181,241; Nov. 28.
Parachute. H. G. Shaffer. 2,181,611; Nov. 28.
Parasiticide. W. P. ter Horst. 2,181,217; Nov. 28.
Partition for luggage. J. H. Plotkin. 2,181,587; Nov. 28.
Pedal drive for velocipedes. A. C. Messamore. 2,181,665; Nov. 28.
Pen point holder, Retractable. J. D. Arbolt. 2,181,776; Nov. 28.
Pen, Recording meter. H. C. Kofke. 2,181,830; Nov. 28.
Pencil. M. E. Trollen. 2,181,525; Nov. 28.
Pencil, Breech loading. F. H. and C. R. Keeran. 2,181,622; Nov. 28.
Pencil, Multicolor. M. Shimada. 2,181,347; Nov. 28.
Phenols, Production of alkylated. D. R. Stevens and J. E. Nickels. 2,181,823; Nov. 28.
Phonograph. N. R. Kurtze. 2,181,513; Nov. 28.
Phonograph system. M. L. Bradfield. 2,181,505; Nov. 28.
Photographic designs on ceramic ware, Transferring. W. D. Ford. 2,181,452; Nov. 28.
Pictures, Making animated motion. E. Kosa. 2,181,405; Nov. 28.
Pipe. K. Schutz. 2,181,496; Nov. 28.
Pipe and forming same. A. C. Bean and J. B. Ray. 2,181,361; Nov. 28.
Planter, Check-row. H. R. Traphagen. 2,181,441; Nov. 28.
Plate attachment for retread mold, Pressure. G. O. Beckman. 2,181,558; Nov. 28.
Plow. C. G. Strandlund. 2,181,410; Nov. 28.
Plug: *See*—
Attachment plug.
Plug and receptacle. J. M. Roper. 2,181,154; Nov. 28.
Plug terminal, Vent. C. J. Goguen and S. S. Stewart, Jr. 2,181,182; Nov. 28.
Plunger. F. A. Thaheld. 2,181,748; Nov. 28.
Pole piece for magnetic telegraphones. G. E. Perreault. 2,181,707; Nov. 28.
Portable bending brake. J. Jensen. 2,181,566; Nov. 28.
Pot, Cinder. W. Johnston, Jr. 2,181,331; Nov. 28.
Powder propeller. G. L. Rigor. 2,181,205; Nov. 28.
Power generating apparatus. C. W. Dake. 2,181,120; Nov. 28.
Power regulation. E. Friedländer and O. Schmutz. 2,181,321; Nov. 28.
Power transmission. W. W. Zaenger. 2,181,162; Nov. 28.
Power transmission mechanism. J. A. H. Barkelj. 2,181,541; Nov. 28.
Power transmission mechanism. K. Sieg. 2,181,210; Nov. 28.
Power transmission system. H. Sinclair. 2,181,711; Nov. 28.
Power transmitting means. C. H. Schurr. 2,181,307; Nov. 28.
Press: *See*—
Fruit peel press. Vulcanizing press.
Printing press.
Press for producing pyrometric cones. H. E. Co Van and G. A. Bole. 2,181,619; Nov. 28.
Pressing machine steam valve. A. D. Albero. 2,181,529; Nov. 28.
Pressure gauge. O. W. Heise. 2,181,730; Nov. 28.
Prime mover control system. A. Rosch. 2,181,741; Nov. 28.
Printing device. C. F. Schlecht. 2,181,382; Nov. 28.
Printing press. D. D. Vandercook and O. C. Geffken. 2,181,714; Nov. 28.
Projection device. W. Herrschaft. 2,181,696; Nov. 28.
Propeller blades, Manufacture of. E. F. Gehret. 2,181,269; Nov. 28.
Propulsion unit. J. A. McGrew. 2,181,244; Nov. 28.
Protective device for clothes-presses. J. N. Coulter and B. Williams. 2,181,176; Nov. 28.
Pull for separable fasteners, Initialed. L. H. Morin. 2,181,281; Nov. 28.
Puller: *See*—
Snout puller.
Pump: *See*—
Oil well pump. Self-priming pump.
Pump for liquid fuel burning apparatus. M. A. Powers. 2,181,249; Nov. 28.
Pump or motor, Fluid. A. L. Barnes. 2,181,168; Nov. 28.
Pumping apparatus. A. D. Ferguson. 2,181,127; Nov. 28.
Pumping apparatus, Rotary. A. C. Whittome and C. Boardman. 2,181,677; Nov. 28.
Punch and die mechanism for producing pyrometric cones. G. A. Bole and H. E. Co Van. 2,181,618; Nov. 28.
Pusher, Staple. J. Meltzer. 2,181,849; Nov. 28.
Puzzle. J. D. Boyle. 2,181,116; Nov. 28.
Rack: *See*—
Lumber piling rack.
Rack for photographic films and the like. I. C. Rinn. 2,181,206; Nov. 28.
Racks, Combination floor and tub towel. G. B. Bentz. 2,181,543; Nov. 28.
Radio antenna, Automobile. P. Gugenheim. 2,181,327; Nov. 28.
Rail bond terminal. C. E. Stolnacke and E. J. Sabol. 2,181,467; Nov. 28.
Rail fastening, Railway. E. C. Neal. 2,181,408; Nov. 28.
Rail greasing appliance. G. C. Hurrell. 2,181,235; Nov. 28.
Rail tie and anchor. S. Morano. 2,181,248; Nov. 28.
Reclining chair. J. A. Schauss. 2,181,345; Nov. 28.
Record resurfacing machine. J. E. Renholdt. 2,181,643; Nov. 28.
Reel: *See*—
Clothesline reel Fishing reel.
Reference device. H. Terry. 2,181,440; Nov. 28.
Reflector. A. F. Eckel. 2,181,725; Nov. 28.
Reflector bulb lamp. O. H. Biggs. 2,181,291–2; Nov. 28.
Reflector bulb lamp. O. H. Biggs and S. S. Davis. 2,181,295; Nov. 28.
Reflector, Short wave. E. Gerhard. 2,181,181; Nov. 28.
Refrigerating apparatus. C. B. Boles. 2,181,416; Nov. 28.
Refrigerating apparatus. H. E. Smith. 2,181,213; Nov. 28.
Refrigerating system. P. Schlumbohm. 2,181,851; Nov. 28.
Refrigeration. A. G. Gross. 2,181,584; Nov. 28.
Refrigeration. W. G. Kögel, P. Strandberg, and G. Grubb. 2,181,276; Nov. 28.
Refrigeration. E. S. Lynger. 2,181,376; Nov. 28.
Refrigeration. D. G. Smellie. 2,181,591; Nov. 28.
Refrigeration. N. Widell. 2,181,221; Nov. 28.
Refrigeration. N. Widell. 2,181,528; Nov. 28.
Refrigeration, Absorption. C. C. Coons. 2,181,561; Nov. 28.
Refrigeration apparatus. G. S. McCloy. 2,181,856; Nov. 28.
Refrigeration apparatus. W. M. Saunders. 2,181,636; Nov. 28.
Refrigeration apparatus and method. W. B. Anderson and G. S. McCloy. 2,181,854; Nov. 28.
Refrigeration method. G. S. McCloy. 2,181,855; Nov. 28.
Regulator: *See*—
Flow regulator.
Remote indicator. H. T. Faus. 2,181,803; Nov. 28.
Resin compositions, Heat stable vinyl. K. K. Fligor. 2,181,478; Nov. 28.
Resinous body and producing same. W. I. Patnode. 2,181,730; Nov. 28.
Resins, Synthetic thermoplastic. P. H. Groggins, J. T. Stearn, and B. Makower. 2,181,231; Nov. 28.
Retorts of stokers against high temperatures, Protecting the. R. C. Johnson. 2,181,371; Nov. 28.
Ring: *See*—
Ornamental ring.
Riveted joint. W. Haupt. 2,181,550; Nov. 28.
Road construction. R. J. Shaw. 2,181,670; Nov. 28.
Road machine. B. H. Flynn. 2,181,320; Nov. 28.
Roasting machine. N. Finizio. 2,181,847; Nov. 28.
Roll handling device. C. E. Moore. 2,181,461; Nov. 28.
Roll holder. R. S. Sanford. 2,181,207; Nov. 28.
Roller, Ductor. J. L. Blackley. 2,181,798; Nov. 28.
Roof, Car. K. F. Nystrom. 2,181,857; Nov. 28.
Rope. A. J. Rick. 2,181,344; Nov. 28.
Rope, Wire. E. J. Reardon. 2,181,341; Nov. 28.
Rosin, Purifying wood. R. E. Price. 2,181,791; Nov. 28.
Rotary bit. C. A. Dean. 2,181,395; Nov. 28.
Rubber, Preservation of. W. Baird and M. Jones. 2,181,710; Nov. 28.
Rubber, Vulcanizing. H. M. Guinot. 2,181,454; Nov. 28.
Saddle construction for velocipedes. B. J. Anderson. 2,181,414; Nov. 28.
Safety device for windows. B. H. Pollock. 2,181,790; Nov. 28.

Sample taking device. J. H. Kirby. 2,181,512; Nov. 28.
Sanding mechanism, Automatic high speed. V. L. Frantz. 2,181,804; Nov. 28.
Scabbard. H. M. Pierce and J. H. Hermson. 2,181,834; Nov. 28.
Scaffold. T. M. Dugan and A. C. Marton. 2,181,784; Nov. 28.
Scale, Weighing. W. H. Greenleaf. 2,181,272; Nov. 28.
Scraper. C. Le Bleu. 2,181,760; Nov. 28.
Scrubbing machine. H. M. Gorey. 2,181,548; Nov. 28.
Seal, Tubular joint. C. A. Reimschissel. 2,181,343; Nov. 28.
Sealer, Can. C. E. Ives. 2,181,237; Nov. 28.
Sealing tool. A. E. Adamson. 2,181,755; Nov. 28.
Seam reducing. C. K. MacDonald. 2,181,243; Nov. 28.
Seams, Method of and apparatus for coating sheet metal container side. S. L. Flugge. 2,181,319; Nov. 28.
Seat adjuster. E. G. Simpson and E. L. Graf. 2,181,671; Nov. 28.
Segment for forming tubular structures. T. L. White. 2,181,509; Nov. 28.
Self-priming pump, Centrifugal. H. E. Rupp and J. C. Gorman. 2,181,792; Nov. 28.
Selvedge edges on full fashioned knitting machines, Knitting. E. S. Sachsenmaier. 2,181,820; Nov. 28.
Semitrailer combination, Tractor. W. H. Wilson and C. H. Land. 2,181,389; Nov. 28.
Separator: *See*—
Grain separator. Oil, gas, and water separator.
Grease separator.
Servomotor for vehicle brakes. H. R. Fitzgerald. 2,181,757; Nov. 28.
Shaker, Cocktail. W. D. Smith. 2,181,612; Nov. 28.
Shampoo apparatus. E. A. Clauder. 2,181,653; Nov. 28.
Sharpener, Pencil. J. G. Schuler. 2,181,285; Nov. 28.
Shelf reacher. J. Pedersen. 2,181,520; Nov. 28.
Shields, Pile. J. Upton. 2,181,526; Nov. 28.
Shifting mechanism for change-speed transmission gearing. C. D. Peterson. 2,181,627; Nov. 28.
Ship construction. M. B. McLaughlin. 2,181,279; Nov. 28.
Shipping, dispensing, and display device, Combined. H. Warp. 2,181,555; Nov. 28.
Shoe polishing machine. J. Wheeler. 2,181,676; Nov. 28.
Shut-off valve. H. H. Shiels. 2,181,523; Nov. 28.
Shuttle. T. Murphy. 2,181,667; Nov. 28.
Sieve. C. B. Arnold. 2,181,718; Nov. 28.
Sieve for bolters, Separable. W. E. Norvell. 2,181,605; Nov. 28.
Signal: *See*—
Highway signal.
Signal. P. Lockhart. 2,181,761; Nov. 28.
Signal transmission line. A. M. Curtis. 2,181,579; Nov. 28.
Signaling device, Pneumatic. C. A. Campbell. 2,181,225; Nov. 28.
Signaling system. H. W. Dudley. 2,181,265; Nov. 28.
Signaling system. A. N. Goldsmith. 2,181,564; Nov. 28.
Signals electrically, Recording. B. L. Kline, R. D. Parrott, and G. L. Erickson. 2,181,533; Nov. 28.
Ski towing apparatus. M. Paquette. 2,181,519; Nov. 28.
Slab joint. S. Klein. 2,181,623; Nov. 28.
Sled. G. E. and H. W. Burgeson and V. C. Wicklund. 2,181,391; Nov. 28.
Slide for slide fasteners. J. B. Mucci, A. F. Sico, and T. Iapicca. 2,181,625; Nov. 28.
Slider, Thermoplastic. D. Marinsky. 2,181,142; Nov. 28.
Silver, Production of. L. Schlipp and M. Boettle. 2,181,535; Nov. 28.
Snout puller. O. C. Schmidt. 2,181,536; Nov. 28.
Solenoid mechanism. W. H. Gille. 2,181,423; Nov. 28.
Soles, Forming cement-on rubber. A. L. Murray. 2,181,379; Nov. 28.
Sorting device for loose leaves. T. C. Andrews. 2,181,165; Nov. 28.
Spark plug performance indicator. M. F. Peters, W. S. Parr, and H. K. King. 2,181,149; Nov. 28.
Speed control for gyro rotors. W. A. Reichel. 2,181,250; Nov. 28.
Speed mechanism, Automatic change. R. W. Todd. 2,181,287; Nov. 28.
Speed mechanism, Self-controlled variable. W. R. Kent. 2,181,373; Nov. 28.
Speed transmission, Variable. W. L. Pollard. 2,181,380; Nov. 28.
Speed unit, Variable. C. E. Johnson and E. Mendenhall. 2,181,567; Nov. 28.
Spring suspension for automobiles. G. W. Crowell. 2,181,692; Nov. 28.
Sprinkler, Oscillating. E. L. Davis. 2,181,227; Nov. 28.
Spudding bit. E. L. Potts. 2,181,284; Nov. 28.
Stapling machine core W. F. Weber. 2,181,387; Nov. 28.
Starting device for internal combustion motors and similar engines, O. R. Fritz. 2,181,805; Nov. 28.
Stationery, Making continuous manifolding. C. W. Brenn. 2,181,117; Nov. 28.
Statistical machine. W. B. Austin. 2,181,166–7; Nov. 28.
Steel, Manufacture of. J. C. Witherspoon. 2,181,468; Nov. 28.
Steel treatment. S. Epstein and H. C. Larson. 2,181,693; Nov. 28.
Stocking, Full-fashioned. O. F. Smetana. 2,181,836; Nov. 28.
Stoker, Water-cooled. J. S. Bennett. 2,181,473; Nov. 28.
Stove structure. R. P. Bolling. 2,181,362; Nov. 28.
Strainer. B. A. Koppitz and J. A. Hartung. 2,181,404; Nov. 28.
Strap, Battery carrying. S. Goldman. 2,181,400; Nov. 28.
Straws, Apparatus for dispensing. C. W. Beamer. 2,181,542; Nov. 28.
Styrene, Polymerization of. N. D. Scott. 2,181,771; Nov. 28.
Support: *See*—
Joist support. Vehicle crank support.
Support for buildings or the like, Adjustable. R. W. Akins. 2,181,163; Nov. 28.
Supporter, Trouser. M. Liebmann. 2,181,192; Nov. 28.
Sweeper, Carpet. H. W. Gussack. 2,181,455; Nov. 28.
Switch for flashlights, Lock. J. F. Ayotte and I. T. Hollihan. 2,181,447; Nov. 28.
Switch or control arrangement for operating X-ray apparatus. F. Dessauer and K. Lion. 2,181,775; Nov. 28.
Switchboard, Telephone. G. H. Peterson. 2,181,668; Nov. 28.
Table: *See*—
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Tag, Key-retainer identification. H. V. Williams, Jr. 2,181,796; Nov. 28.
Tank for trucks, Spare fuel. M. C. Snyder. 2,181,772; Nov. 28.
Target. A. C. Murphy. 2,181,492; Nov. 28.
Tea free from or poor in caffeine and decaffeinized tea. T. Grethe. 2,181,549; Nov. 28.
Teeth, Making artificial. F. R. Felcher. 2,181,694; Nov. 28.
Telegraph apparatus, Printing. A. H. Reiber. 2,181,708; Nov. 28.
Telephone system. H. A. Lewis. 2,181,191; Nov. 28.
Telephone system, Carrier wave. J. J. A. Peek and T. S. Skillman. 2,181,457; Nov. 28.
Telephone system, Secrecy intercommunicating. W. H. Waite. 2,181,715; Nov. 28.
Television and like system. M. Bowman-Manifold and W. S. Percival. 2,181,572; Nov. 28.
Television receiver. R. Barthelemy. 2,181,720; Nov. 28.
Temperature control system. A. C. Grant. 2,181,427; Nov. 28.
Terminals of pipe fittings, Sizing the. E. M. Cartwright. 2,181,577; Nov. 28.
Thawing and condensation return device for automobile radiators, Automatic. L. J. Fagan. 2,181,598; Nov. 28.
Theodolite. K. Moerbitz and E. Roux. 2,181,832; Nov. 28.
Therapy head for X-ray apparatus. W. H. Haupt. 2,181,620; Nov. 28.
Thermostatic control device. J. H. Grayson. 2,181,809; Nov. 28.
Thermostatic control mechanism. P. B. Parks. 2,181,606; Nov. 28.
Thread cleaner. J. Giet and H. Miedendorp, Jr. 2,181,479; Nov. 28.
Thread surface coating composition. C. E. S. Place. 2,181,835; Nov. 28.
Toaster with removable heating element, Electric. E. J. Ricard. 2,181,204; Nov. 28.
Tone control. A. C. Miller. 2,181,817; Nov. 28.
Tool: *See*—
Forming and finishing tool. Sealing tool
Garden tool. Tube cutting tool.
Machine tool. Well fishing tool.
Tool guiding apparatus, Abrasive. H. Morrison. 2,181,604; Nov. 28.
Tools, Making form. J. Edgar. 2,181,396; Nov. 28.
Torch. G. H. Schmidt. 2,181,156; Nov. 28.
Toy. D. Silvette. 2,181,589; Nov. 28.
Track for pneumatic-tired vehicles. H. C. Mable. 2,181,377; Nov. 28.
Tractor cultivator. H. Stuva. 2,181,824; Nov. 28.
Traffic analyzer. C. D. Greentree. 2,181,728; Nov. 28.
Transformer, Electric. C. E. Seifert. 2,181,644; Nov. 28.
Transmission, Automatic infinitely variable. B. Burner. 2,181,118; Nov. 28.
Transmission control. E. O. Wheaton. 2,181,647; Nov. 28.
Transmission, Hydraulic. J. W. White. 2,181,754; Nov. 28.
Trap: *See*—
Animal trap. Fly trap.
Tray, Ice. Q. Berg. 2,181,114; Nov. 28.
Tray, Ice. R. R. Fitzsimmons. 2,181,580; Nov. 28.
Tray, Ice. D. C. Gerber. 2,181,582; Nov. 28.
Tray, Ice. D. G. Smellie. 2,181,590; Nov. 28.
Tray, Ice. U. A. Whitaker. 2,181,593; Nov. 28.
Trimmer, Glass block. C. E. Hawk. 2,181,810; Nov. 28.
Trimming and roughing machine. J. S. Kamborian. 2,181,238; Nov. 28.
Trowel, Plasterer's bullnose finishing. H. W. and L. E. Seeman. 2,181,209; Nov. 28.
Truck, Hand. G. D. Peet. 2,181,438; Nov. 28.

Truck side frame, Welded. C. Schenck and L. G. Miller. 2,181,709; Nov. 28.
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Tube cutting apparatus. D. H. Edwards and R. E. Hartman. 2,181,124; Nov. 28.
Tube cutting tool. W. M. Davenport. 2,181,450; Nov. 28.
Tube making machinery, Paper. D. C. Spaulding, Jr. 2,181,645; Nov. 28.
Turbine arrangement, Elastic fluid. G. B. Warren. 2,181,751; Nov. 28.
Turbine casing joint. H. F. Schmidt. 2,181,744; Nov. 28.
Turbine, Elastic fluid. G. B. Warren. 2,181,752; Nov. 28.
Turner for doughnut machines. V. V. Gunsolley. 2,181,599; Nov. 28.
Universal mounting. H. W. Evans. 2,181,126; Nov. 28.
Unloading apparatus. L. Yarwood. 2,181,355; Nov. 28.
Utility cabinet, Returnable. W. S. Forbes. 2,181,399; Nov. 28.
Vacuum device. A. Khuen-Kryk. 2,181,487; Nov. 28.
Vacuum power clutch. J. H. K. and H. J. de N. McCollum. 2,181,491; Nov. 28.
Valve: *See*—
Control valve. Shut-off valve.
Float valve.
Pressing machine steam valve.
Valve for water systems of railway cars. C. A. Campbell and W. A. Baldwin. 2,181,224; Nov. 28.
Valve mechanism for shock absorbers. D. B. D. Blake. 2,181,415; Nov. 28.
Vaporizer. G. E. Fahr and A. C. Kerkhof. 2,181,421; Nov. 28.
Vault, Burial. A. Martin. 2,181,194; Nov. 28.
Vehicle: *See*—
Motor vehicle.
Vehicle body mounting. C. E. Bradshaw. 2,181,546; Nov. 28.
Vehicle control means, Motor. R. McWade, Jr., and L. Lyndon. 2,181,733; Nov. 28.
Vehicle control system. A. M. Wolf. 2,181,161; Nov. 28.
Vehicle crank support. J. G. Maas. 2,181,788; Nov. 28.
Vehicle lock. L. R. Smith. 2,181,822; Nov. 28.
Vehicle operated overhead door. A. Herr. 2,181,552; Nov. 28.
Veneer bend. E. E. Alexander. 2,181,164; Nov. 28.
Ventilator, Toilet. A. R. Dahlke. 2,181,510; Nov. 28.
Vessel, Reaction. T. B. Prickett. 2,181,153; Nov. 28.
Vibrator. J. Oster. 2,181,282; Nov. 28.
Vulcanizing press. C. Iverson. 2,181,273; Nov. 28.
Wall construction. F. G. Langenberg. 2,181,698; Nov. 28.
Warmer, Bun. A. M. Lewis and P. B. Weiler. 2,181,434; Nov. 28.
Warmer, Golf ball. J. P. Seals. 2,181,821; Nov. 28.
Washing machine. F. A. Conterman. 2,181,596; Nov. 28.
Watchcase mounting. A. Wewetzer and E. C. Anderson. 2,181,753; Nov. 28.
Water, Apparatus for carbonating. J. T. Rowell. 2,181,768; Nov. 28.
Welder, Cage nut. H. W. Wilkins. 2,181,290; Nov. 28.
Welding, Method and apparatus for. J. L. Adams, Jr. 2,181,445; Nov. 28.
Well fishing tool. P. F. Jennings. 2,181,187; Nov. 28.
Well rig transmission system. R. Lillich. 2,181,193; Nov. 28.
Wheel: *See*—
Abrasive wheel. Caster wheel.
Wheel assembly. F. W. Burger. 2,181,364; Nov. 28.
Wheel chair, Folding propulsion. H. A. Everest and H. C. Jennings. 2,181,420; Nov. 28.
Wheel rims, Forming drop-center. F. H. Le Jeune and J. E. Copeland. 2,181,848; Nov. 28.
Whey powder, Manufacturing a noncaking dried. D. D. Peebles and P. D. V. Manning. 2,181,146; Nov. 28.
Wind power machine. H. G. Irwin. 2,181,658; Nov. 28.
Window, Casement. H. R. Seibold. 2,181,745; Nov. 28.
Window construction. H. Mockli. 2,181,763; Nov. 28.
Window, Reversible. L. B. Taylor. 2,181,385; Nov. 28.
Window, Swinging. L. Sweany. 2,181,215; Nov. 28.
Wine process. D. K. Tressler. 2,181,838–9; Nov. 28.
Wood, Composition. C. Roman. 2,181,439; Nov. 28.
Wrench. A. E. Johnson. 2,181,621; Nov. 28.
Wrench. R. O. Wright. 2,181,678; Nov. 28.
Wrench clip. A. T. Murray. 2,181,764; Nov. 28.
Wringer release mechanism. A. W. Altorfer. 2,181,255; Nov. 28.
Wringer roll tensioning. N. L. Etten. 2,181,316; Nov. 28.
Zinc, Process and apparatus for producing. M. F. Perkins and R. G. Crane. 2,181,148; Nov. 28.
Zinc sulphide pigment and improving the light stability of same. J. H. Calbeck. 2,181,651; Nov. 28.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 28, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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THE

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Amendments to Amendments

RULE 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Oct. 25, 1939.*

General Silk Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of National Fabrics Corporation, 119 West Fortieth Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 263,351, issued November 5, 1929, to General Silk Corporation, 2 Park Avenue, New York, N. Y., and a notice of such proceeding sent by registered mail to said General Silk Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said General Silk Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Trade-Mark Registrations Canceled

113,643. Self-rising flour. St. Mary's Mill Co., St. Mary's, Mo. Registered October 24, 1916. Canceled September 29, 1939.

128,027. Polish for automobiles, furniture and floors. Michael F. Castine, Lackawanna, N. Y. Registered December 23, 1919. Canceled October 6, 1939.

154,969. Gasoline. Hercules Petroleum Company, Dallas, Tex. Registered May 16, 1922. Canceled September 29, 1939.

197,483. Preparation for treatment of teeth, gums, mouth and throat. Lourania N. Smith, doing business as Strong's Laboratories, Liberty, Mo. Registered April 21, 1925. Canceled September 29, 1939.

225,908. Paint brushes. John L. Whiting-J. J. Adams Company, Boston, Mass. Registered March 29, 1927. Canceled October 6, 1939.

237,509. Polish and cleaner. Girard & Co., Inc., Bridgeport, Conn., and Mount Vernon, N. Y. Registered January 10, 1928. Canceled October 6, 1939.

238,184. Fresh pineapple. West Indies Fruit Importing Company, Chicago, Ill. Registered January 31, 1928. Canceled September 29, 1939.

267,995. Certain named construction materials. William J. Lillard, New York, N. Y. Registered March 4, 1930. Canceled October 6, 1939.

285,313. Wall-coating paint. Marb-L-Cote, Inc., Chicago, Ill. Registered July 21, 1931. Canceled October 6, 1939.

322,557. Toilet tissue. Veldown Company, Inc., New York, N. Y. Registered March 12, 1935. Canceled October 3, 1939.

323,303. Certain named distilled alcoholic liquors. Hepburn & McTavish, Ltd., Inc., Los Angeles, Calif. Registered April 9, 1935. Canceled September 29, 1939.

327,380. Alcoholic cordials and liqueurs. Arrow Distilleries, Inc., Detroit, Mich. Registered August 27, 1935. Canceled October 6, 1939.

349,140. Certain-named jewelry and precious-metal ware. Spear & Susskind, Providence, R. I. Registered August 17, 1937. Canceled October 6, 1939.

365,334. Preparation to prevent sunburn and to aid even tan. George W. Beeman, doing business as Beeman & Company, Detroit, Mich. **Registered March 7, 1939.** Canceled **September 29, 1939.**

Condition of Applications Under Examination at Close of Business October 21, 1939

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 46,818; Trade-Mark Division, 1,366. Oldest new case, March 17, 1939; oldest amended, March 6, 1939.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 23	May 27	661
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 6	June 6	694
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 22	Aug. 23	397
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	May 16	May 20	563
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 22	July 22	519
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Apr. 26	May 15	941
5725	7. JARBOE, C. O., Optics; Photography	June 8	June 17	987
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	May 2	May 2	1198
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	May 31	May 29	716
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	June 30	July 6	571
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 27	June 24	513
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Apr. 18	Apr. 5	585
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	May 6	May 1	746
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Aug. 17	Aug. 10	366
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	May 10	May 11	1329
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 20	May 23	757
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 23	June 12	744
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Apr. 21	May 3	496
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 10	June 3	533
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	May 29	June 9	418
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 12	June 28	517
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Apr. 26	Apr. 26	1016
7624	23. BUTTNER, W. J., Registers (part)	Apr. 1	Mar. 31	311
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 13	Apr. 7	1387
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 6	July 6	614
5893	26. YOUNG, B. R., Electricity, Generation; Motive Power	May 31	May 27	595
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Mar. 24	Mar. 18	1320
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	June 10	June 2	476
5082	29. SUKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	May 10	May 9	849
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 23	May 22	894
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 1	June 30	854
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 3	July 14	418
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 1	June 22	942
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	July 22	July 29	266
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	May 31	June 1	773
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	May 27	May 13	662
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 27	May 22	830
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Apr. 11	Apr. 11	931
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	June 21	June 21	643
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Apr. 21	Apr. 21	1875
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	May 24	May 29	295
5882	42. CUTTING, H. O., Electric Signaling	Apr. 15	Apr. 6	689
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	June 19	June 19	670
4087 B	44. HARVEY, L. P., Refrigeration	May 22	May 18	709
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 6	June 16	507
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	May 23	May 27	762
6082	47. LOWE, E. R., Clutches; Brakes	June 19	June 16	479
5731	48. ROEPKE, O. B., Electricity, General Application; Igniters	June 22	June 21	511
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 27	Apr. 14	1108
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Apr. 29	Apr. 29	1382
5628	51. BACKUS, C. D., Radiant Energy (part)	July 28	July 27	646
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	June 14	June 9	690
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 17	July 18	365
5874	54. STRAUHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	June 7	June 13	302
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Apr. 27	Apr. 27	504
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Apr. 26	Apr. 26	1262
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 5	June 12	467
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	June 8	June 14	390
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 10	June 10	775
5896	60. GLASS, R. I., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	June 19	June 19	454
6724	61. LAMAN, JAMES (Act), Laminated Electrical Insulation; Belt Hose, Tire Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	May 23	May 24	646
5621	62. PUGH, E. C., Games; Geometrical Instruments	July 27	Aug. 4	483
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	May 1	May 2	949
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	June 30	July 1	799
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 13	May 3	600
2099 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Trade-Marks: Sept. 15	Oct. 2	1,208
		Labels and Prints: Oct. 13	Oct. 7	68
2005	DESIGNS: H. H. KALUPY	Sept. 18	Sept. 28	806

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

LYON *v.* RYERSON

No. 4,127. Decided May 29, 1939

[103 F.(2d) 913]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the senior party R has the right to make the counts, that he was the first to conceive the invention and reduce it to practice and that priority was properly awarded to him.

APPEAL from Patent Office. Affirmed.

Mr. Charles W. Hills, Jr., and *Mr. Charles F. Meroni* (*Mr. Donald J. Simpson* of counsel) for Lyon.

Mr. G. Frank Langford and *Mr. Townsend F. Beaman* for Ryerson.

BLAND, *J.:*

The junior party, George A. Lyon, has here appealed from the decision of the Board of Appeals of the United States Patent Office which affirmed that of the Examiner of Interferences in awarding the senior party, Creighton W. Ryerson, priority of invention defined by two counts involved in the interference, which counts read as follows:

1. In a multi-part tire cover, an arcuate section including side and tread covering portions, said side covering portion being provided centrally of the tire with means whereby it may be secured to the hub of the spare wheel in which the spare tire is mounted and an arcuate retaining ring for disposition at the other side of the tire and resiliently held in cooperation with said section, said ring being of a lesser depth than that of said section and having an inwardly extending rear tire side covering portion.

2. In a non-collapsible spare tire cover, front and rear arcuate and transversely curved sections each having a tread covering portion and a tire side covering portion with the side covering portion and said rear section of a lesser depth than that of the other side covering portion, the tire side covering portion of said front section being provided with means disposed centrally of the cover whereby said section may be secured to the hub of the wheel carrying said spare tire, said sections being provided with means to cause them to be resiliently urged into engagement with each other on the tire.

Lyon's application was filed August 21, 1933, while Ryerson's filing date was August 1, 1933. The Lyon application resulted in a patent, No. 1,986,153, granted January 1, 1935. On January 14, 1935, Ryerson copied into his said application, filed August 1, 1933, the two counts here involved which were claims 1 and 2 of the Lyon patent.

The invention relates to a multipart spare tire cover including front and rear cover sections, each having tire side and tread covering portions, which sections are resiliently held in cooperation with each other on a spare tire. Means are arranged for clamping the front section centrally to the wheel hub so that the entire cover may be carried by the wheel instead of by the tire.

Lyon filed a motion to dissolve the interference on the ground that Ryerson could not make the claims corresponding to the counts on the disclosure of the application filed August 1, 1933. The Primary Examiner denied the motion to dissolve and it was subsequently held by the Board of Appeals, for reasons hereinafter discussed, that Ryerson could make the claims corresponding to the counts.

The oral and stipulated testimony of several witnesses was introduced by Lyon for the purpose of proving priority and the testimony of Ryerson and five other witnesses was stipulated into the record on behalf of Ryerson.

The Examiner of Interferences held that Ryerson was entitled to a date of conception in 1932, which conception was shown by certain documents and stipulated testimony relating to the same, and that he was entitled to his filing date for constructive reduction to practice. The Examiner of Interferences limited Lyon to a conception date of not earlier than July 1933, and a reduction to practice on his filing date—August 21, 1933. Since upon these findings Ryerson was first to conceive and first to reduce to practice, priority of invention defined by the counts of the interference was awarded to him.

The Board took the same view as the Examiner of Interferences and affirmed his decision for the same reasons as those assigned by him.

Three principal questions are presented here: First. The right of Ryerson to make the claims corresponding to the counts. Ryerson's application, filed August 1, 1933, does not disclose the details of the element of the counts relating to the spring clasp means for resiliently holding the sections together. It was found by the tribunals that Ryerson's disclosure in this regard in his application filed August 1, 1933, was diagrammatical and in the application it was definitely stated that:

> • • • These clasps form no part of this invention as they are claimed in my copending application filed December 31, 1931, Serial No. 584,030.

It is contended by Lyon that since the counts are combination counts and since Ryerson never claimed this combination until he saw it in the Lyon patent, he is not permitted to supplement the disclosure in his application filed August 1, 1933, by the specific spring means disclosed and claimed in his copending application, and raises the question that any amendment that might be permitted in the later-filed application to include the matter disclosed in the first one would be new matter.

This issue has been vigorously contested at each stage of this proceeding and many arguments and considerations have been presented which to repeat here would unduly extend this opinion. It was the conclusion of the Board, agreeable to that of the Examiner, that since the clasp structure in the later-filed application was diagrammatical and since Ryerson in the later-filed application referred to said clasps in the manner above quoted, it was proper to hold that the specific clasp structure of the first application might be inserted into the latter for the purpose of interference.

After giving each phase of Lyon's arguments made here and elsewhere careful consideration, we conclude that the Board's position in this regard is sound. It seems clear to us that when the specific clasp means of the first application is substituted

for the diagrammatical disclosure in the second application, this phase of the contention with reference to Ryerson's right to make the counts is completely answered and, we think, for the purpose of interference this was the proper procedure.

The Primary Examiner, considering this phase of the question, (the Examiner of Interferences under the rules took no cognizance of this issue) held that the above-quoted language in Ryerson's second application with reference to the clasps is not in the nature of a disclaimer but that, although not originally claimed by Ryerson in the second application, the combination, including the clasps, is disclosed therein and that he is now entitled to claim the combination with the rest of the structure in the copending second application which is here involved.

The Board of Appeals took the same view and, as before stated, we are of the opinion that its decision in this respect was without error. The Patent Office tribunals in passing upon this phase of Ryerson's right to make the counts cite no pertinent authority. The question was raised, however, by Lyon in a petition for reconsideration and certain authorities were there relied upon by him, which are not discussed in the decision of the Board denying the petition for reconsideration. In this decision of the Board the statement is made that the reply brief on the part of Ryerson answers "many of the objections raised in the petition".

In this court, Lyon contends that the above-quoted language in Ryerson's second application amounts to a disclaimer of the limitation relating to the specific clasp construction, and argues that he cannot now rely for a disclosure of the specific clasp construction upon his earlier-filed application and cites *Skelly Oil Co.* v. *Universal Oil Products Co.*, 31 F.(2d) 427. After assuming that to include in the second application the specific clasp structure of the first one is the insertion of new matter, barred by the rules of the Patent Office, Lyon cites *Ex parte Danner*, 16 U. S. P. Q. 70, 417 O. G. 3, as supporting authority.

Ryerson responds with the contention to the effect that no applicable authority has been cited by Lyon supporting his contention that new matter would be inserted in the later application under the circumstances related. He relies upon *Ex parte Priebe*, 1915 C. D. 39, 221 O. G. 351, which Lyon has not referred to, as being directly in point with the present circumstances.

The Danner case, supra, like many other cases that might be cited, is authority for the proposition that where a party has more than one application copending he may not, under certain circumstances, insert the disclosure of one application into another without violating rule 70 of the Patent Office. The facts in the Danner case were unlike the facts in the instant case. Here the second application, when filed, specifically referred to the clasp structure of the copending application and in the second application the clasp was only diagrammatically shown.

We have examined the Priebe case, supra, with some care and think that while in some respects it is not exactly on all fours with the case at bar it is supporting authority for the conclusion of the Patent Office tribunals on this issue. There the application involved disclosed two specific forms of an invention. It had specific claims directed to the first form of the invention. Subsequently, another party made claims directed to the structure of the second form. It was held that the applicant could make claims directed to the second form of the invention for interference purposes even though the Patent Office had the right to limit the applicant to claims directed solely to the first form after the interference had been terminated.

In *Kitselman* v. *Reid et al.*, 1920 C. D. 26, 275 O. G. 623, it was held, under circumstances in some respects comparable to those at bar, that, where the specification makes reference to an earlier application, the earlier disclosed structure might be incorporated into a later filed application which only diagrammatically showed the structure.

Whether Ryerson will be entitled to the allowance of the counts in any application is not a matter for our cognizance here. It is our view, however, that the tribunals properly held that for the purpose of interference, Ryerson under the circumstances at bar was entitled to make the counts upon the disclosure as is hereinbefore stated.

The second question presented is the contention of Lyon that by Exhibits 1 and 3 and the testimony of his witnesses he has shown that he conceived and reduced to practice the invention of the counts at bar before Ryerson entered the field. It is not disputed in this case, and on the contrary it is, we think, established that Lyon had conceived and reduced to practice before Ryerson entered the field the invention which is disclosed by said exhibits. Exhibit 3 was not discussed by the Board.

Count 1 calls for "an arcuate section including side and tread covering portions". It was the position of the Board that Exhibit 1, which was a drawing made by Lyon, did not disclose an arcuate section which had a side and tread covering portion. The application of Lyon from which the counts originate shows two arcuate sections which meet at the top of the tread and each section necessarily covers one side and half of the tread of the tire. Exhibit 1 has an arcuate section which ends near the top of the tire and while, as found by the tribunals, it may at places and under certain circumstances overlap a small portion of the tread, it is not to be regarded as a tread covering member. Especial arrangement is made for covering the tread and the "side member" is referred to by that term on the drawing.

Count 2 calls for each of the sections having a tread covering portion. The tribunals, for the reasons assigned in holding that count 1 did not read upon Exhibit 1, also held that count 2 did not read upon the same.

Exhibit 3 is a drawing disclosing substantially what is disclosed by Exhibit 1 and what is said with reference to Exhibit 1 applies to Exhibit 3. Exhibit 2 is the record in an ex parte appeal to this court by

Lyon which discloses a tire cover on the order of those of Exhibits 1 and 3, but which exhibit is not in this court urged as having any more pertinency than Exhibits 1 and 3.

We are in agreement with the views expressed by the Examiner of Interferences and the Board that Lyon's early structures (which were made to conform to Exhibits 1, 2, and 3) do not support the counts at bar.

The third and last question to be decided is: Were the tribunals justified in awarding Ryerson a conception date in 1932 on the stipulated testimony of Ryerson and his corroborating witnesses. On this phase of the question the Examiner of Interferences said:

> The stipulated testimony on behalf of Ryerson establishes conception by him of the device shown by his Exhibit 1 in 1932. This construction is thought to satisfy the counts, the resilient holding means being shown at H, I, J as explained in Ryerson's testimony. The central opening E is obviously provided for a hub cap, as also stated by Ryerson. It is held that Ryerson has proven conception of the invention here in issue in 1932. He reduced to practice at least as early as his filing date, August 1, 1933. Whether he is entitled to an earlier date need not be decided.

The Board did not discuss this phase of the case.

Most of Lyon's argument directed against this testimony is devoted to the propositions, first, that it was not proper to conclude that the blueprint drawing introduced by Ryerson showing an opening in the center of the face plate was for the purpose of inserting a hub cap to secure the face plate to the wheel hub; and second, that there was no proof of the kind of a test that was given in order that it might be shown that Ryerson had reduced his invention to practice.

We think the first contention is untenable since the drawings indicate the purpose for which the opening was left and the stipulated testimony we think is conclusive on this subject.

On the second contention on this phase of the case, relating to reduction to practice, the Patent Office tribunals did not rule. It was unnecessary for them to pass upon it in view of their conclusion that Ryerson was first to conceive and first to constructively reduce to practice and we are of the same opinion.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE GRETTIE

No. 4,166. Decided June 5, 1939

[104 F.(2d) 359]

PATENTABILITY—SHORTENING PRODUCT AND METHOD OF STABILIZING SAME.

Claims for a shortening product and claims for a method of stabilizing the same *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Roy W. Johns for Grettie.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner in refusing to allow claims numbered 1, 2, 3, 5, 6, and 7 of appellant's application for a patent relating to a shortening product and a method of stabilizing the same—particularly stabilizing lard.

Claims 1 and 5 are thought to be illustrative of the subject matter involved and they follow:

> 1. The method of stabilizing lard which comprises adding thereto and thoroughly incorporating therewith a quantity of hydrogenated sesame seed oil.
>
> 5. As an article of commerce, a shortening product stabilized against rancidity consisting of 90 to 95% lard and a complement of hydrogenated sesame seed oil.

The references relied upon are: Newton et al., 1,890,585, December 13, 1932; Alderks et al., 1,985,969, January 1, 1935.

Appellant's alleged invention has to do with incorporating into lard, which he seeks to stabilize, a quantity of hydrogenated sesame seed oil. The instant application of appellant is a division of an application relating to the stabilization of lard, Serial No. 629,399 filed August 18, 1932. The parent application was in interference with the Alderks et al. application which related to stabilization of edible fats and had particular reference to the hydrogenation of vegetable oils, especially cottonseed oil. Alderks et al. taught, and their claims called for, the method of making a fat comprising cottonseed oil stable against rancidity by mixing sesame seed oil with the cottonseed oil and hydrogenating the mixture. While Alderks et al. did not refer to lard they referred to the prevention of rancidity in shortening materials generally. One of the claims of the Alderks et al. application which became count 1 in the interference between the applicant and Alderks et al. reads as follows:

> 1. The method of stabilizing shortening which comprises adding thereto and thoroughly incorporating therewith a quantity of hydrogenated sesame seed oil.

Alderks et al. were awarded priority of this and one other count and they were incorporated in the Alderks et al. patent which issued after the termination of the interference.

The patent to Newton et al. teaches the use of hydrogenated palm oil for stabilizing fats and oils, and lard in particular.

The Examiner rejected all the claims as being unpatentable over Alderks et al. and also referred to the patent to Newton et al. He stated:

> The parent case became involved in interference No. 67,651 with patentee of record Alderks. The interference involved the stabilization of shortening broadly and was decided adversely to applicant. Subsequently the successful party Alderks took out the patent relied upon in the instant application.
>
> The Examiner has rejected all of the present claims as being unpatentable over Alderks. The treatment of lard specifically does not distinguish in a patentable sense over the treatment of shortening broadly. Lard is a well known shortening. An examination of the two paragraphs quoted from applicant's parent case clearly discloses the character of lard as falling within the class of shortening covered by the Alderks patent. To stabilize a specific shortening with 5 to 10% of the stabilizing agent covered in the interference (Alderks) is not patentable procedure. Particularly is this so in view of Newton, who uses hydrogenated palm oil for stabilizing fats and oils, and lard specifically. It is clear that Alderks had lard in mind, as note claims 3 and 7 of the patent.
>
> The rejection of all of the claims on Alderks and Newton is thought to be sound and proper.

The Board of Appeals sustained the Examiner's rejection of the claims for the same reasons as those assigned by the Examiner and said:

In applicant's parent application reference is made to edible vegetable and animal fats and oils adapted for use as shortening and the like and specifically to lard. While Alderks et al. did not refer to lard and could not make claims such as here presented, they evidently were concerned with the prevention of rancidity of shortening materials generally and *one in following the Alderks teaching would be led to try hydrogenated sesame seed oil in the treatment of all kinds of shortening to prevent rancidity.* [Italics ours.]

We note that the patent to Newton et al. describes the use of palm oil added to lard for this purpose and such showing indicates that the art has tried and found successful certain oils for this purpose. We believe that one in investigating the prior art would be led to try other oils and thus hydrogenated sesame oil as a stabilizer for not only cottonseed oil but other well known shortening materials.

We are in agreement with the decision of the Board and think that, in view of Newton et al., appellant's instant application makes no claim to patentable subject matter not claimed and allowed to Alderks et al. We feel certain that an examination of the prior art would teach anyone skilled in the art that lard might be treated to prevent rancidity by the same ingredients as were used by Alderks et al. treating vegetable oils and that it would not amount to invention having this suggestion before him to try, for the purpose of preventing rancidity in lard, sesame seed oil which Alderks et al. used.

A somewhat similar case is *Paramount Publix Corp.* v. *American Tri-Ergon Corp.*, 294 U. S. 464, 452 O. G. 701, where the Supreme Court of the United States said:

* * * The application of an old process to a new and closely analogous subject matter, plainly indicated by the prior art as an appropriate subject of the process, is not invention. * * *

In *In re Gauerke*, 24 C. C. P. A. (Patents) 725, 86 F.(2d) 330, 475 O. G. 3, we said:

* * * The mere discovery of a quality of sunflower seed oil, not possessed by other vegetable drying oils, cannot be made the basis of a patent when the prior art shows that such oil is of the kind and class that such art taught was useful in the composition of resins of the character here involved.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

FRANKFORT DISTILLERIES, INC.
v.
DEXTORA COMPANY

No. 4,116. Decided May 29, 1939

[103 F.(2d) 924]

TRADE-MARKS—OPPOSITION—WHERE APPEAL BY OPPOSER RAISES MOOT QUESTION.

Where the opposer appealed from the Commissioner's decision holding that the trade-mark of the applicant-appellee was not registrable under sec. 5 of the Trade-Mark Act of Feb. 20, 1905, *Held* that "In view of the fact, however, that appellee did not appeal from the decision of the Commissioner of Patents holding its trade-mark not registrable, the Commissioner's decision became final, and, therefore, the issue of the registrability of appellee's mark is not before us for consideration. Accordingly, the issue of confusing similarity of the marks of the parties raised in this court by appellant's appeal has become moot since the taking of the appeal * * *."

APPEAL from Patent Office. Dismissed.

Mr. Raymond J. Mawhinney for Frankfort Distilleries, Inc.

Mr. A. Yates Dowell (*Mr. Keiffer G. Doub* of counsel) for Dextora Company.

HATFIELD, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents reversing the decision of the Examiner of Interferences sustaining appellant's notice of opposition to the registration of appellee's mark.

In his decision, the Commissioner affirmed the decision of the Examiner of Interferences holding that appellee's mark was not registerable under section 5 of the Trade-Mark Act of February 20, 1905.

Appellee did not appeal to this court from the adverse decision of the Commissioner.

Appellee's mark is for use on—

"malt syrup for food purposes and cereal sugar,"

and comprises the word "Duffy's", reproduced—

"in ordinary typewritten characters within a border, below which appear two concentric circles, a portion of the outer circle merging with the lower edge of the border."

Appellant is the owner of a composite trade-mark, the dominant feature of which is "Duffy's Malt Whiskey" for use on malt whiskey.

The basis of the holdings of the tribunals of the Patent Office that appellee's mark was not registerable under section 5, supra, is that the mark is essentially an ordinary surname not "written, printed, impressed, or woven in some particular or distinctive manner".

The pertinent part of section 5, supra, provides—

* * * That no mark by which the goods of the owner of the mark may be distinguished from other goods of the same class shall be refused registration as a trade-mark on account of the nature of such mark * * *

Provided, That no mark which consists merely in the name of an individual, firm, corporation, or association not written, printed, impressed, or woven in some particular or distinctive manner, or in association with a portrait of the individual, * * * shall be registered under the terms of this act * * *.

Appellant's opposition to the registration of appellee's mark was based on the confusion-in-trade clause of section 5, supra, and no claim was made in appellant's notice of opposition that appellee's mark was not registerable for any other reason.

It appears from the record that appellant's mark has been used by appellant and its predecessors since about 1884. The mark was registered in the United States Patent Office, registration No. 274,479, under date of August 26, 1930, to appellant's predecessor The Frankfort Distillery, Inc. It has been extensively advertised, and has an established good will.

It was contended by counsel for appellant before the tribunals of the Patent Office, and it is contended here, that the goods—whiskey—on which appellant uses its mark and the goods—malt syrup—on which appellee uses its mark are goods of the same descriptive properties; that the marks are confusingly similar; and that the concurrent use of the respective marks on the goods of the parties would cause confusion in trade, and deceive purchasers as to origin. It is further contended by counsel for appellant that, although appellee did not appeal from the decision of the Commissioner of Patents holding its mark not registerable under the Trade-Mark Act of February 20, 1905, the issue of confusing similarity of the marks of the parties raised in appellant's notice of opposition and presented by the appeal to this court has not become moot; that, unless this court determines the issue raised by appellant's notice of opposition and holds that the goods of the parties possess the same descriptive properties, that the involved marks are confusingly similar, and that, for that reason, appellee is not entitled to register its mark under the Trade-Mark Act, supra, the tribunals of the Patent Office may permit the registration of appellee's mark under the act of March 19, 1920, under which certain trade-marks, not registerable under the Trade-Mark Act of February 20, 1905, may be registered; and that if the tribunals of the Patent Office should permit the registration of appellee's mark under the act of March 19, 1920, appellant could secure no relief, because the statute does not provide for an appeal to this court from a Patent Office decision rendered under the provisions of that act. In other words, appellant desires a holding in this case that the marks of the parties are confusingly similar, apparently upon the theory that that issue will become res adjudicata by such a holding.

Appellant's notice of opposition was filed pursuant to the provisions of section 6 of the Trade-mark Act of February 20, 1905, which provides, among other things, that—

Any person who believes he would be damaged by the registration of a mark may oppose the same by filing notice of opposition, stating the grounds therefor, in the Patent Office within thirty days after the publication of the mark sought to be registered, which said notice of opposition shall be verified by the person filing the same before one of the officers mentioned in section two of this act.

Section 7 of the Trade-mark Act of February 20, 1905, provides, inter alia, that in every case of—

"opposition to registration he [the Commissioner of Patents] shall direct the Examiner in charge of interferences to determine the question of the right of registration to such trade-mark, and of the sufficiency of objections to registration, in such manner and upon such notice to those interested as the Commissioner may by rules prescribe."

We have repeatedly held that, in trade-mark opposition proceedings, the Patent Office tribunals may dispose of any question relating to the proposed registration that might properly arise in an ex parte proceeding. *The American Tobacco Co.* v. *Wix*, 20 C. C. P. A. (Patents) 835, 840, 62 F.(2d) 835, 430 O. G. 953, and cases cited.

In The American Tobacco Co. case, supra, it was claimed in the notice of opposition that the term "Wix", which the American Tobacco Co. desired to register as a trade-mark under the Trade-mark Act of February 20, 1905, consisted merely of the name of an individual not "written, printed, impressed, or woven in some particular or distinctive manner", and that the opposer, Abraham Wix, would be damaged by the registration of the mark to the applicant. The Commissioner of Patents, in a decision reversing the decision of the Examiner of Interferences, held that the mark was a surname not "written, printed, impressed, or woven in some particular or distinctive manner" and, therefore, not registerable, and sustained the notice of opposition. It was contended by appellant in this court that the opposer was not using, and in fact, never had used, the mark in question, and that, therefore, he would not be damaged by the registration of appellant's mark. In our decision, we reviewed the authorities on the subject, and held that the mark was a surname, and that as it was not written, printed, impressed, or woven in some particular or distinctive manner, it was not registerable under the provisions of section 5, supra. Relative to the contention made by appellant that appellee would not be damaged by the registration of the mark, we stated that as the mark was not registerable for the reasons stated, the question of whether the opposer would be damaged by its registration was immaterial and, therefore, would not be considered. In so holding, we said, inter alia:

The only object of the opposition was to defeat registration of appellant's mark, and inasmuch as we hold that the Commissioner did not err in rejecting appellant's application, it is immaterial, so far as this appeal is concerned, whether he committed error in sustaining the opposition of appellee. If he did so err, it would not be ground for reversal of his decision rejecting appellant's application.

In the case of *Frigidaire Corporation* v. *Nitterhouse Bros.*, 20 C. C. P. A. (Patents) 865, 63 F.(2d) 123, 431 O. G. 263, the Frigidaire Corporation, the owner and prior user of the trade-mark "Frigidaire", for use on refrigerating systems, opposed the registration by Nitterhouse Bros. of the trade-mark "Frigidized Fish", for use on "foods and ingredients of foods". The opposition was based upon the confusion-in-trade clause of section 5, supra.

The Examiner of Interferences held in that case that the mark "Frigidized Fish" was descriptive, and, therefore, not registerable. He further held that as the Frigidaire Corporation, the opposer, had not alleged in its notice of opposition that the applicant's mark was descriptive, the notice of opposition should be dismissed. On appeal, the Commissioner of Patents held that the goods of the parties did not possess the same descriptive properties, and, accordingly, dismissed the notice of opposition. The Commissioner further held, however, that the trade-mark "Frigidized Fish" was descriptive, and, therefore, not entitled to be registered. The opposer, the Frigidaire Corporation, appealed to this court. In our decision, we stated, inter alia:

As we view the matter, the case is now moot. All that the opposer could have sought in his notice of opposition was to defeat the registration of the proposed mark. Such registration has been denied. Therefore, irrespective of the right of the appellant to bring such opposition proceedings, and as to this we expressly reserve judgment, there is no statutory relief which appellant may receive in this proceeding, which has not already been adjudged by the Commissioner. The question of the descriptiveness of the mark of the appellee is not involved, for the appellee has not questioned this decision by appeal.

It follows that the appeal should be and is hereby dismissed. This is in harmony with our judgment in *Tower & Sons* v. *United States*, 20 C. C. P. A. (Customs) 364, T. D. 46131, and cases therein cited. It is also sustained by the practice of the Court of Appeals of the District of Columbia, as stated in *Dunlap* v. *Bettmann-Dunlap Co.*, 57 App. D. C. 351, 23 F.(2d) 772.

This case is clearly distinguishable from *Celanese Corp. of America* v. *Vanity Fair Silk Mills*, 18 C. C. P. A. (Patents) 998, 47 F.(2d) 375, as will appear from the facts stated therein.

In the case of *Dunlap* v. *Bettmann-Dunlap Co.*, 57 App. D. C. 351, 23 F.(2d) 772, cited in our decision

in the Frigidaire Corporation case, supra, the Court of Appeals of the District of Columbia held, as stated in the head-note, that—

One opposing registration of trade-mark is not entitled to appeal from decision refusing registration, even though Examiner of Interferences held adversely on such opposer's contention that goods on which marks were used were of same descriptive properties, though opposer might have raised question by cross-appeal, if applicant had appealed.

In the instant case, appellant had a right to appeal to this court from the decision of the Commissioner of Patents, and had appellee appealed from the adverse decision of the Commissioner holding that it was not entitled to register its mark, the issue raised in appellant's notice of opposition—that of confusing similarity of the involved marks—would be before the court for consideration. *The Pep Boys* v. *The Fisher Bros. Co.*, 25 C. C. P. A. (Patents) 818, 94 F.(2d) 204, 492 O. G. 247. In view of the fact, however, that appellee did not appeal from the decision of the Commissioner of Patents holding its trade-mark not registerable, the Commissioner's decision became final, and, therefore, the issue of the registerability of appellee's mark is not before us for consideration. Accordingly, the issue of confusing similarity of the marks of the parties raised in this court by appellant's appeal has become moot since the taking of the appeal, and any views we might express with regard thereto would not be binding upon the Patent Office tribunals in another action under another statute. *Mills* v. *Green*, 159 U. S. 651; *Jones* v. *Montague*, 194 U. S. 147; *Richardson* v. *McChesney*, 218 U. S. 487; *Frigidaire Corporation* v. *Nitterhouse Bros.*, supra; C. J. S. Vol. 1, § 17, pp. 1012 to 1018.

The issues in the instant case are clearly distinguishable from the issues before the Supreme Court in the cases of *United States* v. *Freight Association*, 166 U. S. 290, 308, and *So. Pac. Terminal Co.* v. *Int. Comm. Comm.*, 219 U. S. 498, 515.

In the Freight Association case, supra, it was held that where continuing rights of the public were involved, issues did not become moot and the rights of the public foreclosed by affirmative acts of a defendant.

In the So. Pac. Terminal Co. case, supra, the Court held, as stated in one of the head-notes, that—

The rule that this Court will only determine actual controversies, and will dismiss if events have transpired pending appeal which render it impossible to grant the appellant effectual relief, does not apply to an appeal involving an order of the Interstate Commerce Commission merely because that order has expired. Such orders are usually continuing and capable of repetition, and their consideration, and the determination of the right of the Government and the carriers to redress, should not be defeated on account of the shortness of their term.

As was pointed out in our decisions in the cases of *The American Tobacco Co.* v. *Wix* and *Frigidaire Corporation* v. *Nitterhouse Bros.*, supra, the purpose of a notice of opposition is to prevent the registration of an applicant's mark. It is a statutory remedy afforded a party who believes that he would be damaged by the registration of a mark to another. The opposer does not represent the public. By virtue of section 7, supra, the tribunals of the Patent Office represent the public in proceedings of this character, and in the instant case the public interest has been conserved by the decision of the Commissioner rejecting appellee's application for registration.

For the reasons stated, the appeal is dismissed.

Dismissed.

U. S. Court of Customs and Patent Appeals

LEVER BROTHERS COMPANY

v.

NOBIO PRODUCTS, INC.

No. 4,142. Decided May 29, 1939

[103 F.(2d) 917]

1. TRADE-MARKS—OPPOSITION—RIGHT TO OPPOSE.

"The right to oppose the registration of a trade-mark does not depend upon the exclusive ownership by an opposer of a similar mark. • • • It is sufficient if an opposer establishes 'priority of use analogous to a trade-mark use' of a trade-name, and the 'likelihood of damage to him by the registration of such mark to another'."

2. SAME—SAME—GOODS OF SAME DESCRIPTIVE PROPERTIES—LIQUID DEODORANT AND TOILET SOAP.

A household and personal deodorant in liquid form *Held* to possess the same descriptive properties as a toilet soap in cake form used both for its cleansing and deodorizing properties.

3. SAME—SAME—CONFUSING SIMILARITY—"NOBIO" AND "B. O."

Applicant's trade-mark featuring the term "Nobio" for use on deodorants *Held* confusingly similar to the term "B. O." used by opposer in connection with the marketing of its toilet soap.

APPEAL from Patent Office. Reversed.

Mr. Spencer A. Studwell and *Mr. Harry A. English* for Lever Brothers Company.

Mr. Thomas L. Mead, Jr., for Nobio Products, Inc.

HATFIELD, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents dismissing appellant's notice of opposition, and holding appellee's mark registrable under the Trade-Mark Act of February 20, 1905.

Appellee's mark is for use on deodorants, and comprises an outline drawing of an Egyptian figure, across which appears the word "Nobio". The figure and the word "Nobio" are enclosed within two concentric circles, between which appear the words "natural oils ban intimate odors". The latter words are disclaimed apart from the mark as shown. The word "Nobio" is clearly the dominant feature of appellee's mark.

It appears from the record that appellee's product, which is in liquid form, is a household and personal deodorant. It is put up in two, four, and sixteen ounce bottles, and is sold at retail in drug stores. It is also apparently sold direct to consumers in one-gallon containers. It has no cleansing properties. Appellee claimed in its application that it had used its mark on its goods since April 2, 1934.

The witness Allan C. Eldredge, testifying for appellee, stated that he was the—

"head of the business there [in New York City] which is known as the Allan Eldredge Studios, contract furnishing and decorating of apartments and hotels throughout the metropolitan district, principally, and we also have a business, the Nobio Products, Inc., of which I am the president."

and that he was an artist and did—

"mural paintings in connection with the decorative work."

Relative to the origin of appellee's mark, the witness stated:

"Being an artist, I made a number of sketches and finally selected for final use among these sketches one which is a circular symbol, around the outer border of which there is a series of letters, 'N-O-B-I-O'. These letters in their given order are the initials of the descriptive sentence which is a part of our composite mark. The said sentence reads, 'Natural oils ban intimate odors' • • •. The descriptive sentence is indicative of the nature of our product and its use."

It appears from the record that appellant's product is a toilet soap; that it is sold under the trade-mark "Lifebuoy"; that it is made up in cake form; that it is used both for its cleansing and deodorizing properties; that it has been on the market and sold extensively throughout the United States since the year 1895 in drug stores and other retail stores; that, commencing in 1926, appellant advertised its "Lifebuoy" soap as being effective in preventing the odor of perspiration; that, in 1928, appellant began advertising its soap as a preventive of "B. O.", which letters, it was explained in appellant's advertisements, meant "body odor"; that for several years prior to the filing of appellee's application, appellant used the letters "B. O." in its advertisements without the words "body odor", because the public had come to understand from appellant's prior advertisements that "B. O." meant "body odor"; that during the period from 1928 to the time of the taking of the testimony in this case—October, 1936—appellant had expended more than $10,000,000 in advertising its "Lifebuoy" soap as a deodorant and a preventive of "B O."; and that, in addition to advertising its products via newspapers, magazines, radio, and sign boards, appellant displayed advertisements in street cars, subway and elevated trains, and on large posters in baseball parks. Appellant also used other forms of advertising in which it emphasized the deodorizing qualities of its "Lifebuoy" soap as a preventive of "B. O."

It appears from appellant's Exhibit No. 6, which is a collection of approximately 36 clippings from nationally known publications, that cartoonists, newspaper editorial writers, columnists, and feature writers have referred to "B. O." as signifying "body odor". In many of the clippings either appellant or its product ("Lifebuoy" soap), or both are mentioned. The notation "No B. O." appears in some of the clippings. We quote the following from a clipping taken from the New York Sun:

"Speaking of the campaign to keep fox hunting alive, a prominent metropolitan editor confesses that he has a great idea for a poster to be used by a nationally famous soap. It will show a fox, safe and grinning in an open field, while the hounds and riders gallop by. And the title of the advertisement will be: 'No. B. O.'"

It clearly appears from the record that, although appellant never used the letters "B. O." or the words "body odor" as a trade-mark or otherwise on its goods, it has so extensively advertised its "Lifebuoy" soap as a preventive of "B. O." that it has become popularized and identified in the mind of the purchasing public by the term "B. O."; and that such term clearly indicates appellant's product to the purchasing public. Accordingly, we are of opinion that the term "B. O." serves to indicate origin in appellant, and that its use is analogous to that of a trade-mark. *John Wood Manufacturing Co.* v. *Servel, Inc.*, 22 C. C. P. A. (Patents) 1370, 77 F.(2d) 946, 461 O. G. 948, and cases cited.

In the case of *Sears, Roebuck & Co.* v. *Old Colony Shoe Co.*, 23 C. C. P. A. (Patents) 1039, 82 F.(2d) 709, 469 O. G. 516, relied upon here by counsel for appellee, it was held that as it was not alleged in the petition for cancellation either that the term "Gold Bond" had been used by the petitioner on its goods prior to the registrant's date of first use or that the petitioner's goods had been popularized and identified in the mind of the purchasing public by that term, the petitioner failed to allege either a trade-mark use or a use analogous thereto.

In the instant case, however, it appears that, long prior to appellee's first use of its mark, appellant's "Lifebuoy" soap had become popularized and identified in the mind of the purchasing public by the term "B. O." and that such term indicated the origin of appellant's product.

[1] It may be, although we do not so hold, that appellant is not entitled to the exclusive use of the term "B. O." However, the right to oppose the registration of a trade-mark does not depend upon the exclusive ownership by an opposer of a similar mark. *Virginia Dare Extract Co. Inc.* v. *Adah Mae Dare*, 21 C. C. P. A. (Patents) 1086, 70 F.(2d) 118, 447 O. G. 500. It is sufficient if an opposer establishes "priority of use analogous to a trade-mark use" of a trade-name, and the "likelihood of damage to him by the registration of such mark to another". *John Wood Manufacturing Co.* v. *Servel, Inc.*, supra.

It appears from the record that appellant used the term "B. O." in connection with the advertising of its "Lifebuoy" soap long prior to the first use by appellee of its mark. Accordingly, the only remaining question to be determined is whether appellant is likely to be damaged by the registration of appellee's mark, the dominant feature of which is the term "Nobio".

According to the testimony of the witness Eldredge, who originated appellee's mark, he was well aware of appellant's advertising use of the term "B. O." at the time appellee's mark was adopted. The witness, who at times in his testimony had apparently pronounced the term "Nobio" "No-B-O" and at other times "No-Bye-O", stated:

"We don't limit the pronunciation. We don't know how people are going to pronounce it."

He further testified as follows:

X Q. 163. How do you pronounce the r-a-d-i-o?

A. All right, not like Mr. Smith.

X Q. 164. In other words, you would pronounce r-a-d-i-o as though it were spelled ray-dee-o, is that correct?

A. Yes, with that word there is an accepted pronunciation. With N-o-b-i-o, so far as I know, there is not, as yet.

X Q. 165. So that some persons might naturally pronounce it the way that I have first designated [No-B-O] and the others in the way that I designated secondly [No-Bye-O], is that correct?

A. I grant you that.

It is evident, we think, that, although the terms "Nobio" and "B. O." do not look exactly alike, the term "Nobio" will be pronounced as though it were spelled "No-B-O"; that appellee intended that its term "Nobio" should be understood as meaning no "B. O." (no body odor), and that it will be so understood by the purchasing public. Accordingly, for all practical purposes, appellee has merely combined the negative "No" with appellant's term "B. O." for the purpose of indicating to the purchasing public that its product will prevent "B. O." (body odor).

[2] [3] We are of opinion that the goods of the parties possess the same descriptive properties; that the terms "Nobio", the dominant feature of appellee's mark, and "B. O." are confusingly similar; that appellant is entitled to use the term "B. O." in connection with the marketing of its goods; and that appellant would be damaged by the registration of appellee's mark.

For the reasons stated, the decision is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

CHARLES E. BARBA *v.* ROBERT T. BRIZZOLARA

No. 4,158. Decided June 5, 1939

[104 F.(2d) 198]

INTERFERENCE—PRIORITY.

Where priority as to all three counts of an interference was awarded to the senior party R. B. and appeal was taken as to counts 2 and 3 only, evidence reviewed and, *Held* that the senior party R. B. conceived the invention defined in the appealed counts 2 and 3 prior to any date established by the junior party C. B., that the senior party R. B. was therefore the first inventor of the subject matter of counts 2 and 3 as well as of count 1 and that priority was properly awarded to him.

APPEAL from Patent Office. Affirmed.

Mr. George H. Strickland (*Messrs. Spencer, Hardman and Fehr, Mr. Hugh Keniepp* and *Mr. R. R. Candor* of counsel) for Barba.

Mr. Robert T. Palmer for Brizzolara.

LENROOT, *J.*:

This is a patent interference proceeding wherein the Board of Appeals of the United States Patent Office reversed a decision of the Examiner of Interferences which awarded priority of invention of the subject matter of counts 2 and 3 of the interference to appellant. The Board awarded priority of invention to appellee, and from its decision this appeal was taken.

Count 2 is illustrative and reads as follows:

2. In apparatus for the conditioning and ductless distribution of air, the combination with a railway car having a relatively long and narrow passenger compartment terminating short of the ends of the car, an air conditioning unit at each end of the car above the normal headroom of the car and external to the said passenger compartment, and means for establishing unconfined air currents moving in opposite directions along the opposite sides of and from end to end of the passenger compartment above the passenger space therein; said means comprising blowers for forcing air through the respective units, discharge means and a recirculated air inlet for each unit, the discharge means of the units being located at opposite ends of the passenger compartment adjacent opposite sides of the car and above the passenger space within the compartment, and the recirculated air inlet of each unit being substantially above the associated discharge means and at the opposite side of the car.

The subject matter of the involved invention is sufficiently described in said count.

The interference arises between an application of appellee filed April 13, 1933, and an application filed by appellant on July 28, 1933. Appellant is the junior party and the burden was upon him to establish priority of invention by a preponderance of evidence.

Originally three counts were involved. The Examiner of Interferences awarded priority of invention of the subject matter of count 1 to appellee; appellant took no appeal with respect to this count.

Counts 2 and 3 are distinguished from count 1 in that they describe the location of the air conditioning units above the normal head room of the car, while count 1 does not.

Both parties rely upon the same reduction to practice, and the issue is one of originality; independent conceptions of the invention by the respective parties are not involved.

Both parties took testimony. It appears that prior to September, 1931, the Metropolitan Ice Company of Boston was engaged in the development of air conditioning apparatus; that said company agreed to cooperate with the Boston & Maine Railroad in the installation of such apparatus in passenger coaches; that in September, 1931, there was installed and tested in one of the passenger coaches of said railroad an air conditioning apparatus responding to the counts here in issue; that appellant was a mechanical engineer in the employ of said railroad, whose special duties related to the design and equipment of cars—both passenger and freight; and that appellee is a refrigeration and air conditioning engineer who was retained by the Metropolitan Ice Company to devise and perfect air conditioning systems.

Appellee and appellant cooperated in the installation of the apparatus in said passenger car, and appellant devised the particular location of the same in the upper part thereof.

Inasmuch as the real controversy before us relates to the conception of the installation of the apparatus "above the normal headroom of the car and external to the said passenger compartment", as set forth in count 2, we shall confine ourselves to a discussion of that question. The Examiner of Interferences in his decision upon a motion for reconsideration of his original decision held that, while appellee probably first had the idea that the apparatus should be located above the normal headroom of the car, this did not constitute conception because he did not have in mind the idea of the means by which this could be accomplished, and that the idea of such means emanated from appellant rather than from appellee.

In his original decision the Examiner of Interferences stated:

> • • • Neither party, by his record, was able to establish a clear conception of the invention in issue prior to the exchange of ideas in May, 1931. Because of the originality feature of this case, priority must be found through the consideration of the surrounding circumstances.
>
> • • • • • • • •
>
> Based upon the disclosure in Barba Exhibit 10, which originated with Brizzolara, and upon the fact as brought out by Brizzolara in his testimony • • • that he is a refrigerating and air conditioning engineer of several years' experience, whereas Barba is a railway equipment designer with little or no experience with refrigerating and air conditioning machinery • • •, it is the conclusion of the Examiner of Interferences that Brizzolara is the most probable inventor of the apparatus defined by count 1 because this count covers the apparatus irrespective of its location in the car.
>
> Barba Exhibit 13 is a drawing dated June 27, 1931, made under the direction of Barba and explained by him in Q.'s and A.'s 69–74, pp. 13, 14, Barba record. As indicated by Barba in his testimony, the drawing Exhibit 13 shows the air conditioning unit in the clear story space of the passenger car above the normal head room of the passenger and answers the specific limitations contained in counts 2 and 3.
>
> Because of the fact that Barba was a railway equipment designer, as brought out by his testimony, it is considered that Barba was most likely the inventor of the invention defined by counts 2 and 3, since the specific limitations of these counts cover problems of design in accommodating equipment within the car, rather than Brizzolara who had previously confined his activities to the air conditioning of buildings where available space was of minor importance.

The Examiner of Interferences apparently lost sight of the fact that the burden was upon appellant to establish priority by a preponderance of evidence, and his original decision seems to have been based wholly upon what he considered probabilities arising from the respective occupations of the parties.

The Board of Appeals in its decision, after referring to certain evidence hereinafter discussed, stated:

> The Examiner of Interferences did not regard the above testimony as establishing that Brizzolara had any clear conception of means for placing the air cooling units above the normal headroom of a car and consequently could not have imparted any information of it to Barba.
>
> It seems to us that the testimony is sufficient to show that Brizzolara had a complete conception of locating the cooling equipment above the normal head-room of the car. The fact that he discussed lowering the ceiling in the toilet room in order to provide space indicates that he contemplated such location of the cooling equipment. The mere thought of locating the equipment at this point by lowering the ceiling necessarily carries with it that some support was to be used. He discussed this location with Barba and without doubt Barba thereby obtained information from Brizzolara concerning it. It is our view, therefore, that Brizzolara was the inventor of the invention defined by counts 2 and 3.

It appears from the evidence that it was the original thought to place the involved apparatus in a dining car of the Boston & Maine Railroad instead of in a passenger car.

There is in evidence appellee's Exhibit 1, a letter dated March 21, 1931, from appellee to the Metropolitan Ice Company, "Att'n. Mr. J. Clark Bennett", from which we quote:

> Will you be good enough to arrange an appointment with Mr. Jangro of the Boston & Maine R. R. for Mr. Gundlach to go up to the Boston & Maine shops and measure up the space available overhead in the dining car vestibules?
>
> • • • • • • •
>
> If this space overhead is not available or of sufficient size, it will be necessary to use one of the lockers extending from the floor to the ceiling in which we will install the cooling equipment.

Mr. Bennett, assistant treasurer of the Metropolitan Ice Company, referred to in said exhibit, testified that, in accordance with appellee's suggestion, he, together with Mr. Jangro and a Mr. Woodlyn, measured the overhead space in one of the new dining cars of the Boston & Maine Railroad. He further testified as follows:

> Q. 10. The letter Brizzolara Exhibit 1 refers to the space available in the dining car vestibules. Do you remember the particular dining cars referred to? A. Yes, they were the new dining cars; I think they called them the Colonial type, they had just put in use on the Minute Man. They were brand new cars. That was one reason we shifted from the dining car because they didn't want to spoil the very artistic effect they had, and they didn't want to take them out of service.
>
> Q. 11. Do you remember just what Mr. Brizzolara referred to when he spoke of measuring space overhead in the dining car? A. Yes. I went over with Mr. Jangro and Mr. Woodlyn and we measured up the space in the vestibule at either end of the car in back of the partition that marks off the dining space. I think they had a little archway, they sometimes have, with the idea of keeping the equipment up there and getting the air flow from the top back and forth across that.
>
> Q. 12. When you speak of the equipment, what equipment did you refer to? A. The cooling part of the equipment, the surface and blower.
>
> Q. 13. How far overhead did you measure? A. I can't remember the exact detail.
>
> Q. 14. Do you mean in the clear story space or above the passenger space? A. It was all above the passengers, yes. The whole idea was to keep the air circulation above the passengers' heads and there was available space above the necessary head room for a person to pass through.

Upon the witness being asked why the involved apparatus was not installed in any of the new dining cars, he replied as follows:

> • • • As I said before, they didn't want to change the cars, to spoil the effect, it would be very expensive to change any of the decorative work in the cars and also they didn't want to take them out of service. They had spent a great deal of money recently on them and they were advertising them.

Appellant testified that prior to May 20, 1931, he visited the office of the Metropolitan Ice Company at Cambridge to inspect a temporary air conditioning system which said company had developed, and that Mr. Bennett was present. He further stated:

> • • • Sufficient information was obtained at this time, together with additional information which Mr. Bennett expected to provide the mechanical engineer's office for the development of an air conditioning system based upon the principles which they had perfected where ice was used as the refrigerant.

The witness made a sketch of the system which he saw at that time, and testified that the cooling box was against the ceiling in the conference room of the company. A letter written by appellant, and introduced in evidence as appellant's Exhibit 4, contains the following:

> System.—The system of air conditioning, as recommended by the Metropolitan Ice Co., consists of having an ice box of a size sufficient to provide iced water, for a circulating system, through the medium of pipes in a compartment as previously described, having approximately 70 feet of fin pipe placed in said compartment, and by the application of a suction fan the air will enter this compartment from the outside, and be drawn over the fin pipes, which have been cooled by the circulating ice water, so as to emit into the passenger compartment cooled air; and by the application of a second compartment in opposite diagonal corner, with the application of another suction fan, this air will travel in the upper strata of the cross section of the car, and due to its temperature the air will fall and warm air will rise into the other compartment, from which point it will again be circulated back in the upper clear story to the cooling compartment, or tower, where it is again cooled and recirculated.

In a letter written by appellee on May 21, 1931, to Mr. Bennett, appellee's Exhibit 4, appellee made two suggestions with respect to the location of the air conditioning apparatus in the car, one of which reads as follows:

> • • • Other possibility is to drop the ceiling in the toilet room and use the space above for our equipment. If these fin automobile radiators work out we can crowd in a tremendous amount of surface in a small space.

Appellee's testimony with respect to the statement above quoted was as follows:

> Q. 32. • • • Was the air conditioning apparatus in the Boston & Maine car installed above the ceiling in the

toilet rooms? A. It was not in the final car built for the Boston & Maine Railroad. The cooling units were not installed above the toilet room.

Q. 33. Where were they installed? A. They were installed adjacent to the toilet room, and the reason why the toilet room space was not utilized was because Mr. Barba had informed us of various water supplies located in that space, various tanks, for soaps, some control devices, the removal of which would occasion great inconvenience.

This would clearly indicate that the matter of the location of the apparatus over the toilet room space had been suggested to appellant by appellee, either orally or in writing, and that appellant had called appellee's attention to objections to the location proposed.

Upon consideration of all of the evidence in the case, we are convinced that appellee had a complete conception of locating the cooling equipment above the normal headroom of the car, and that such conception was conveyed to appellant.

We are not impressed with appellant's contention that, in order for appellee to prevail, he must have established not only the conception of the placing of the apparatus above the normal headroom of the car, but that he must also have had definitely in mind, at the same time, a particular means thereafter adopted for so placing it. It is not contended that the particular means finally adopted constituted invention, nor is such particular means set forth in the involved counts. It appears that appellee contemplated using the space in a dining car above the vestibules, and also the space above the toilet room by dropping the ceiling thereof. It is not established that this could not be done, or that the objections thereto were insuperable. Under the counts it was not necessary for appellee to have employed the particular means which finally were adopted. The particular means to carry out appellee's conception, we think, could be worked out by one skilled in the art without the exercise of invention.

Moreover, it appears from the evidence that the idea of placing air cooling apparatus above the normal headroom of the car did not originate with either appellee or appellant, but had been used on a Baltimore & Ohio car. While in the case at bar this element is a material limitation and may not be ignored, the fact that it was prior art may be considered in determining whether the evidence in behalf of appellee upon this point establishes a complete conception upon his part of the element of the count here under consideration.

In the case of *Brand* v. *Thomas*, 25 C. C. P. A. (Patents) 1053, 96 F.(2d) 301, 496 O. G. 561, we said:

> Unquestionably it is the law that an applicant for a patent sufficiently discloses his invention if one skilled in the art follows his teachings and produces the device in operative form without the exercise of invention. If in producing the device he makes it operative by adding additional features, old in the art, the addition of which does not amount to invention, it may be said that he has done nothing more than to follow the teachings disclosed. This principle is supported by *Cooper* v. *Downing*, supra, and numerous other cases not necessary to cite here.

In the case of *Townsend* v. *Smith*, 17 C. C. P. A. (Patents) 647, 36 F.(2d) 292, 391 O. G. 753, we said:

> • • • A priority of conception is established when the invention is made sufficiently plain to enable those skilled in the art to understand it.

Neither are we impressed with appellant's contention that the evidence does not establish that appellee had conceived the entire invention involved in the counts when he conceived that the air conditioning apparatus should be placed above the normal headroom of the car. It was sufficient if he had that conception at the time he conceived the other elements of the invention disclosed in count 1. Inasmuch as it is conceded that appellee was properly awarded priority with respect to count 1, and as it is established that appellee had conceived the element of the counts respecting the location of the apparatus above the normal headroom of the car long prior to any date established by appellant when he was in possession of the idea of so placing the apparatus, it follows that appellee must be held to be the first inventor of the subject matter of counts 2 and 3, as well as of count 1.

For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SCHULTZ AND FREY

No. 4,168. Decided June 5, 1939

[104 F.(2d) 384]

PATENTABILITY—PROCESS FOR THE PREPARATION OF A FLOUR FROM SOY BEANS.

Claims for a process for the preparation of a flour from soy beans *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Watson, Bristol, Johnson and Leavenworth (*Mr. Clair V. Johnson* of counsel) for Schultz and Frey.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, in view of the prior art, claims 14 to 17, inclusive, of appellants' application for a patent. No claims have been allowed.

Claim 17 is illustrative of the claims and reads as follows:

> 17. A process for the preparation of a flour from soy beans, which comprises preparing a flour containing inherent enzymes by comminuting soy beans to from 10 to 40 mesh, admixing ethyl acetate therewith in an amount sufficient thoroughly to wet the comminuted beans, subjecting to pressure of from 5,000 to 15,000 lbs. per square inch whereby ethyl acetate and oil are removed and a residue of bean material obtained, and then drying the thus obtained residue and grinding to a flour, all at a temperature less than 50° C.

The references cited are: Pratt et al., 305,224, September 16, 1884; Riddle, 1,076,997, October 28, 1913; MacIlwaine et al., 1,410,822, March 28, 1922; Rewald, 1,917,734, July 11, 1933; Haas et al., 1,947,200. February 13, 1934.

Appellants' alleged invention is described by the Examiner in his statement as follows:

> This invention relates to a method for the extraction of oil from various oil bearing materials, including seeds, beans, and the like. More particularly, it relates to a method for the extraction of oil from beans, as the soy bean.
>
> The soy beans are ground in a mill to a size of 10 to 40 mesh and the hulls simultaneously removed. The comminuted soy bean meal is admixed with a solvent such as ethyl acetate, in an amount sufficient to thoroughly wet the bean meal. The solvent treated meal is now subjected to a pressure of about 10,000 pounds per square inch. This pressure treatment results in the expulsion of most of the added solvent and the admixed oil. The extracted meal is now dried and ground into a flour of 180–200 mesh.
>
> The oil and solvent are separated by a suitable distillation process and the solvent returned for further use.
>
> This entire process is carried out at a temperature below 50° C. to avoid injury or destruction of the naturally occurring enzymatic properties of the soy beans. These naturally occurring enzymes are stated to have the property of bleaching or decolorizing the carotin present in certain grain flours. This makes possible the production of a lighter colored bread by the addition of soy flour to the grain flours ordinarily used in baking.

The patent to Haas et al. discloses a process for the extraction of oil from soy beans by the application of pressure thereto, ranging up to 16,000 pounds per square inch, at room temperature, and crushing and grinding the pressed cakes and drying the same at a temperature below 50° C.

The patents to Rewald, Riddle, Pratt et al., and MacIlwaine et al. relate to the extraction of oil from oil bearing seeds by the use of solvents, such as benzol. The patent to Rewald states:

> The comminuted seed material may be placed in a suitable extraction or leaching device, and a mixture of benzol with 1 to 10% of ethyl or methyl alcohol is allowed to percolate through the mass, until freed from oil to the desired extent.
>
> • • • • • • •
>
> Methyl alcohol is superior to ethyl alcohol for use in this process since it has a better dissolving action. Ethyl can however be employed. The composite solvent dissolves out not only the oil but the whole of the lecithin, including the lecithin which is in the free state in the seeds, as well as that which is in the form of a loose combination with the proteins. If benzol were used as the solvent, it would not dissolve out this latter.
>
> • • • • • • •
>
> I have referred above in numerous places to the use of benzol. It will be understood that it is not necessary to use chemically pure benzene, and ordinary benzol contains a mixture of benzene, toluene and the like. Toluene, xylene or mixtures of these or either of these with benzene may be employed in place of the benzol, in the proportions above referred to, that is to say the single-ring aromatic hydrocarbon is in all cases at least 10 to 20 times greater than the amount of the lower alcohol.

The Examiner rejected all of the claims on Haas et al. in view of the other patents showing the use of a solvent to completely extract the oil. The Board of Appeals affirmed the decision, specifically holding that claims 14, 15, and 16 are not patentable over Haas et al. in view of Rewald. As to claim 17, which specifies ethyl acetate as the solvent, the Board stated:

> Claim 17 specifies ethyl acetate as the solvent. We see nothing inventive in using this specific substance as a solvent when it is merely the equivalent of benzol as a fat extractor.

We are clear that, in view of the references cited, there is no invention in adding to the process disclosed by Haas et al. the use of solvents disclosed by Rewald and other cited references.

No authorities need be cited to the point that if the disclosures of two or more patents can be combined by the exercise of ordinary skill, without involving the inventive faculty, claims embodying such combination are not patentable.

With respect to claim 17, which describes ethyl acetate as the solvent, appellants' counsel in their brief and upon oral argument contend that the Board of Appeals erred in holding that ethyl acetate is merely an equivalent of the benzol as a fat extractor shown by the patent to Rewald.

With respect to this contention we would observe that no motion for reconsideration of the decision of the Board was made. Under rule 76 of the rules of the Patent Office this holding could have been challenged by appellant. See *In re Eliot*, 22 C. C. P. A. (Patents) 1088, 76 F.(2d) 309, 459 O. G. 3.

In view of these circumstances, we must hold that there is nothing in the record to show error upon the part of the Board in holding that ethyl acetate disclosed in appellants' application is the equivalent of benzol as shown in the patent to Rewald.

For the reasons hereinbefore stated, the decision appealed from is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

WALSH *v.* SCHULTZ AND STEINMAYER

No. 4,102. Decided May 1, 1939

[103 F.(2d) 392]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that priority was properly awarded to the junior party, S and S, who was shown to have conceived the invention and reduced it to practice prior to the filing date of the senior party, W, who took no testimony.

APPEAL from Patent Office. Affirmed.

Mr. Robert L. Kahn for Walsh.

Mr. Carlton Hill (*Mr. Charles W. Hills, Jr.* and *Mr. Chester W. Brown* of counsel) for Schultz and Steinmayer.

JACKSON, *J.*:

This is an appeal, in an interference proceeding, from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner of Interferences awarding priority of invention to Schultz and Steinmayer, the junior party.

The interference involves application Serial No. 600.245, of the senior party Walsh, filed March 21, 1932, for "Disconnecting device", and a joint application of Schultz and Steinmayer, Serial No. 622,292, filed July 13, 1932, for "Combined switch and fuse." There is only one count in the interference. It reads as follows:

> An expulsion fuse comprising upper and lower terminal members, a fuse latched to said upper terminal member and pivoted to said lower terminal member, said fuse having a tubular body portion closed at its upper end and open at its lower end, a fuse link within said tubular body portion, and means mechanically controlled by the tension of said fuse link for unlatching the upper portion when said fuse blows.

Appellees alleged, in their preliminary statement a date of conception on December 1, 1930, and a reduction to practice on December 1, 1931. Appellees took testimony. Appellant took no testimony and is restricted to his filing date of March 21, 1932. Appellees, being the junior party, had the burden of proving their case by a preponderance of the evidence.

The subject matter of the interference relates to an expulsion fuse electric circuit breaker. The fuse consists of a tube having a closed upper end and open at the lower end. A fuse link is contained within the tube and so cooperates with a latch at the

upper end of the tube and a pivot at the lower end, that the upper end of the tube becomes unlatched when the fuse is blown, allowing the tube to swing on the pivot to open circuit condition.

We are in agreement with the Examiner of Interferences, that there is no corroborating evidence of the testimony of appellees that they conceived the invention in issue in December, 1930.

It was held by the said Examiner and affirmed by the Board that appellees' Exhibit No. 3 is a drawing which satisfies the count. Appellant attacks this holding, alleging in effect that tubes may be closed at either or both ends or open at both ends, and that the said exhibit does not clearly disclose the tube to be open at its bottom end as required by the count, as was held by the tribunals below.

We have examined Exhibit No. 3 carefully and note that it is a drawing of a fuse tube, latched at its upper end and pivotally hinged at its lower end. It appears to have a cap covering its top and at its lower extremity it depicts a fuse extending from the bottom of the tube. This exhibit was the subject of testimony by both of the appellees and by the witnesses, Behlmer and Krueger. The witness Behlmer is employed in the experimental department of the Line Material Company, assignee of appellees, since 1928 and his work consisted in "making models and trying different ideas that come through". The witness Krueger had charge of the department in which Behlmer worked. Behlmer testified that he had made appellees' Exhibit No. 4 which is a full size fuse tube and which responds to the count, from said Exhibit No. 3. Krueger furnished Behlmer with the drawing Exhibit No. 3 and supervised the making of the structure Exhibit No. 4. The drawing was made by appellee Schultz and given to Krueger by Steinmayer.

A careful comparison of Exhibit No. 4 with Exhibit No. 3 leaves no doubt in our minds but that the model, which is open at the bottom was made exactly as shown in Exhibit No. 3.

There is clear and ample testimony by appellees, well corroborated by Behlmer, that the model Exhibit No. 4 and the drawing Exhibit No. 3 were made in December, 1931. Therefore, appellees are entitled to the date of December, 1931, for conception of the invention defined by the count.

The record shows that in the early part of January, 1932, the device, Exhibit No. 4 was tested in the presence of appellees and the witness, Krueger. Appellants contend that Krueger was so positioned that he could not see the tube drop when the overload current was applied and that, therefore, his testimony is not corroborative of the test. It may be that he was so positioned but the witness Krueger testified that the device was tested in January, 1932; that he placed the fuse in the tube and put it in position; that he applied the electric current and saw the fuse had blown and that the tube was hanging down after the test. He also re-fused the tube and several tests were made in the same manner. We think from what he knew, did and observed there was ample corroboration to the fact that the fuse was tested and did the work for which it was constructed.

While there is some contention by appellant concerning corroborating testimony with respect to the testing of another device of the same general character, made at a later date, we think it unnecessary to discuss it since we are convinced that the Examiner of Interferences and the Board of Appeals properly accorded to appellees a reduction to practice of the invention in issue, as early as January 15, 1932.

A substantial part of the brief of appellant seeks to raise an issue that by reason of certain correspondence between appellant and the assignee of appellees, a presumption is raised that appellees did not have the invention at the time of said correspondence and that the proof does not overcome such presumption.

This issue was first presented in the form of a letter to appellees by present counsel after his appearance when this appeal had been perfected.

This issue is not grounded upon any reason for appeal here unless we read it into some general reason set out in the notice. This, under the circumstances, we may not do. Apparently it was not before the Examiner of Interferences. At any rate, there is nothing in his decision that would so indicate. It does not appear in the reasons for appeal to the Board of Appeals and the Board expressly stated that the question was not considered to be before it. The Board said:

> Appellant calls attention in his brief to Exhibit 33, correspondence passed between the party Walsh and the Line Material Company, assignees of Schultz and Steinmayer. This correspondence shows that Steinmayer examined drawings, descriptive matter and a model of the Walsh device before the Schultz and Steinmayer application was filed in the Patent Office. *We do not understand that appellant is raising the question of originality between the parties of this interference* and do not see how this could be raised in view of the fact that the first letter from Walsh in this exhibit is dated June 10, 1932, and prior to that time, that is, on April 4, 1932, a letter had been written by Steinmayer to the patent attorney, Woolfolk, telling him to prepare an application for a patent and presenting subject matter to be covered in such application. In view of this fact it would seem that any contention Schultz and Steinmayer were stirred into activity to file an application by knowledge of matter disclosed to them by Walsh could not well be raised. [Italics supplied.]

Furthermore, all of this correspondence was freely disclosed by appellees. Appellant had full opportunity to properly raise this issue before the lower tribunals. This he failed to do and we must decline to consider the issue which is raised here for the first time. *In re Peiler*, 20 C. C. P. A. (Patents) 1059, 64 F.(2d) 984, 433 O. G. 1081.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,368,968. (See 1,558,737.)

1,495,391, F. C. Baker, Combined reading and indirect room lighting lamp, D. C. Oreg. (Portland), Doc. E 9507, *F. C. Baker* v. *Portland General Electric Co.* Dismissed July 31, 1939.

1,508,394. (See 1,558,737.)

1,543,587, J. F. O'Malley, Safety razor, appeal filed July 31, 1939, C. C. A., 4th Cir., Doc. 4526, *Gillette Safety Razor Co.* v. *Cliff Weil Cigar Co., Inc.*

1,558,737, R. F. McFeely, Lasting machine; 1,508,394, C. H. Hoyt, Fastening inserting machine; 1,368,968, C. F. Pym, Lasting machine, D. C., S. D. Ohio, W. Div., Doc. E 1016, *United Shoe Machinery Corp.* v. *The Williams Mfg. Co.* Patents held infringed (notice Aug. 1, 1939).

1,595,241, R. O. Nelson, Automatic phonograph, D. C., W. D. Mich. (Grand Rapids), Doc. E 2833, *Automatic Instrument Co.* v. *I. Hecht et al.* (*Hecht Produce Co.*). Doc. E 2836, *Automatic Instrument Co.* v. *J. Evanczo.* Decree for plaintiff July 31, 1939, in each of above cases.

1,653,408, R. E. Olsen, Automatic photographic machine; 1,665,605, same, Photographic button, filed Aug. 2, 1939, D. C., E. D. N. Y., Doc. 548, *International Mutoscope Reel Co., Inc.*, v. *Postive Frame Co. et al.*

1,661,840, J. Manneschmidt, Jr., Conduit cover clamp, D. C., S. D. N. Y., Doc. 4/340, *J. Manneschmidt, Jr., et al.* v. *Ritter Pattern & Casting Co., Inc., et al.* Consent decree for plaintiff (notice July 18, 1939).

1,665,605. (See 1,653,408.)

1,695,223. (See Re. 17,345.)

1,701,033, B. F. Elbert, Camper's charcoal stove, filed July 29, 1939, D. C., S. D. Iowa (Des Moines), Doc. 39, *B. F. Elbert* v. *L. H. Kurtz Co.*

1,710,203, W. H. Burstall, Packer; 1,859,744, G. Meyer, Packer for oil-well; 1,925,016, W. T. Wells, same, filed July 26, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 485–M, *Lane-Wells Co. et al.* v. *M. O. Johnston Oil Field Service Corp. et al.* Doc. 486–M, *Lane-Wells Co. et al.* v. *R. R. Renouf et al.*

1,793,673, E. V. Camp, Resilient traffic guard; 1,988,996, same, Road guard, filed July 7, 1939, D. C., E. D. Mo. (St. Louis), Doc. 280, *E. V. Camp* v. *Laclede Steel Co.*

1,852,620, J. H. Martin, Trolling lure, filed July 29, 1939, D. C., W. D. Wash. (Seattle), Doc. 91, *J. H. Martin* v. *A. G. McKnight et al.*

1,859,744. (See 1,710,203.)

1,887,366, S. L. Belknap, Double door floor safe; 1,919,647, same, Automatic safety plunger, filed July 12, 1939, D. C., S. D. Calif., C. Div., Doc. 474 C, *In-a-Floor Safe Co. et al.* v. *Southern California Safe Co. et al.*

1,916,943, B. E. Beadle, Hair former, appeal filed July 21, 1939, C. C. A., 2d Cir., Doc. 16733, *B. E. Beadle* v. *F. W. Woolworth Co.*

1,919,647. (See 1,887,866.)

1,924,082, E. L. Barrett, Motor actuated circuit controlling means, C. C. A., 2d Cir., Doc. —, *Utah Radio Products Co.* v. *General Motors Corp.* Decree reversed (notice Aug. 3, 1939).

1,925,016. (See 1,710,203.)

1,942,353. (See Re. 17,345.)

1,944,932, Gemeny & Weller, Elevator bucket, D. C. Minn., 4th Div., Doc. E 3013, *B. I. Weller* v. *Strong-Scott Mfg. Co.* Decree for plaintiff, injunction; counter-claim of Screw Conveyor Corp. dismissed July 26, 1939.

1,972,512, Devendor & Devendor, Button, C. C. A., 2d Cir., Doc. —, *J. A. Devendor* v. *C & C Button & Trimming Co., Inc.* Decree affirmed (notice Aug. 3, 1939).

1,988,996. (See 1,793,673.)

2,011,732. (See Des. 92,428.)

2,027,423, G. W. Gardiner, Door check, filed July 25 1939, D. C. Calif. (Los Angeles), Doc. 484–H, *G. W. Gardiner* v. *A. Swanson et al.*

2,038,978, B. H. Adler, Changeable signs and letters therefor, D. C., N. D. Ill., E. Div., Doc. 16101, *Ben Adler Signs, Inc., et al.* v. *Wagner Sign Service, Inc.* Claims 3, 4, and 5 held valid and infringed; injunction June 21, 1939. Same, suit for declaratory judgment filed July 11, 1939, D. C., N. D. Ill., E. Div., Doc. 743, *Wagner Sign Service, Inc.*, v. *Ben Adler Signs, Inc., et al.*

2,048,040 (*a*), E. Wagner, Illuminating device, D. C., N. D. Ill., E. Div., Doc. 15950, *Wagner Sign Service, Inc.*, v. *Adler Sign Letter Co. et al.* Claims 4, 5, 6, and 8 held valid and infringed, injunction; counter-claim dismissed June 21, 1939.

2,048,040 (*b*), E. Wagner, Illuminating device; 2,119,430, Garner & Auer, Display device, D. C. N. D. Ill., E. Div., Doc. 16159, *Wagner Sign Service, Inc.*, v. *Patio Theatre Co.* Claims 4, 5, 6, and 8 of 2,048,040, and claims 14 and 16 of 2,119,430 held valid and infringed; injunction June 21, 1939.

2,058,159. (See Re. 20,133.)

2,063,733, C. B. Greenberg, Spring bar, filed Aug. 3, 1939, D. C., S. D. N. Y., Doc. 5/28, *C. B. Greenberg* v. *L. N. Cutino* (*K K Importing Co.*).

2,069,871, S. O. Blanc, Cutter member for cleaning drain pipes; 2,111,527, same, Drain cleaner, D. C., S. D. Iowa, C. Div., Doc. 16, *S. O. Blanc* v. *P. Weston et al.* Dismissed July 31, 1939.

2,069,893. (See Re. 21,053.)

2,111,527. (See 2,069,871.)

2,114,939, A. A. Radtke, Method of and means for optically reproducing sound, filed Aug. 3, 1939, D. C., E. D. N. Y., Doc. 549, *Radtke Patents Corp.* v. *C. J. Laghabue Mfg. Co., Inc.* Doc. 5/30, *Radtke Patents Corp.* v. *Willoughby Camera Stores, Inc.*

2,119,430, Garner & Auer, Display device, (declaratory judgment), D. C., N. D. Ill., E. Div., Doc. 16136, *Ben Adler Signs, Inc., et al.* v. *Wagner Sign Service, Inc.* Claims 14 and 16 held valid and infringed; injunction June 21, 1939.

2,119,430. (See 2,048,040 (*b*).)

2,156,888, L. J. Wester, Cooling apparatus, filed July 27, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 490, *L. J. Wester* v. *California Hardware Co. et al.*

2,163,429, Kaplan & Rosenberg, Pocket case, suit for declaratory judgment filed July 29, 1939, D. C., S. D. N. Y., Doc. 4/498, *Zell Products Corp.* v. *Rex Products Corp. et al.*

Re. 16,048, Scott & Scott, Production of show cards, advertisements, signs, decorations, or the like by stenciling, D. C., S. D. Ohio, W. Div., Doc. E 1012, *The Ceramic Process Co. et al.* v. *The Cincinnati Advertising Products Co.* Patent held infringed July 18, 1939.

Re. 17,345 (of 1,695,223), K. C. Berger, Lamp shade frame center element; 1,942,353, same, Apparatus for and method of forming internal threads by stamping dies, filed Aug. 2, 1939, D. C., S. D. N. Y., Doc. 5/20, *K. Berger* (*Berger Machine Co.*) v. *J. M. Golden* (*American Pump & Tool Co.*).

Re. 18,841, J. Mayer, Hair waving method, appeal filed June 29, 1939, C. C. A., 2d Cir., Doc. 16696, *The Philad Co.* v. *Lechler Laboratories, Inc.*

Re. 20,133, P. H. Kuyper, Venetian blind construction; 2,058,159, same, Venetian blind structure, C. C. A., 2d Cir., Doc. —, *Rolscreen Co.* v. *Abraham & Straus, Inc.* Decree reversed (notice Aug. 3, 1939).

Re. 21,053 (2,069,893), A. T. Matthews, Awning, filed July 31, 1939, D. C. Tex. (Dallas), Doc. 127, *A. T. Matthews et al.* v. *F. Mason* (*Mason Awning & Mfg. Co.*).

Des. 69,311, G. E. Curtiss, Jug, appeal filed July 31, 1939, C. C. A., 2d Cir., Doc. 16746, *Landers, Frary & Clark* v. *Grand Silver Co., Inc.*

Des. 92,428, A. L. Saeks, Toilet bowl deodorizer; 2,011,732, same, Deodorizer, filed July 29, 1939, D. C., Mo. (St. Louis), Doc. 289, *The Puro Co., Inc.*, v. *F. D. McCann* (*Starling Wire Products*).

Des. 108,227, L. A. Althoff, Heater, filed July 31, 1939, D. C., E. D. Ill. (East St. Louis), Doc. 135, *L. A. Althoff et al.* v. *Siegler Enamel Range Co. et al.*

Des. 110,744, B. Young, Toy figure, D. C., S. D. N. Y., Doc. 2/66, *J. Sneedlin, Inc.*, v. *L. Wagner et al.* (*Crescent Hill Novelty Co.*). Consent decree for plaintiff (notice Aug. 2, 1939).

T. M. 111,931, The Emerson Electric Mfg. Co., Electrical apparatus, and machines; T. M. 199,433, same, Non-oscillating electric fan, oscillating electric fans, electric ceiling fans, C. C. A., 2d Cir., Dec. —, *The Emerson Electric Mfg. Co. et al. v. B. Abrams.* Decree affirmed (notice Aug. 3, 1939).

T. M. 199,433. (See T. M. 111,931.)

Disclaimers

1,863,990.—*William K. Nelson*, Chicago, Ill. COMPOSITION CONSTRUCTION OR INSULATING MATERIAL. Patent dated June 21, 1932. Disclaimer filed October 19, 1939, by the assignee, *Universal Gypsum & Lime Co.*

Hereby enters this disclaimer as to the subject matter of claims 11, 12, 13, and 14 in said patent.

2,029,490.—*Clemma R. Raney*, Riverside, Ill. PHONOGRAPH. Patent dated January 28, 1936. Disclaimer filed October 12, 1939, by the patentee.

Hereby enters this disclaimer to claims 141 and 155 of said Letters Patent.

2,119,526.—*Arthur C. Cope*, Bryn Mawr, Pa., *Walter H. Hartung*, Baltimore, Md., and *Frank S. Crossley*, Philadelphia, Pa. Δ_1-ALKENYL CYANOACETIC ESTERS AND METHOD OF PRODUCING SAME. Patent dated June 7, 1938. Disclaimer filed October 14, 1939, by the assignee, *Sharp & Dohme, Incorporated.*

1. Hereby disclaims from claim 11 of said Letters Patent all processes which do not include the preparation of a secondary Δ_1-alkenyl cyanoacetic ester by reacting a corresponding alkylidene cyanoacetic ester with an alkyl or aralkyl salt in the presence of an alkali metal alkoxide.

2. Hereby disclaims from claim 12 of said Letters Patent all processes which do not include the preparation of a secondary Δ_1-alkenyl cyanoacetic ester by reacting a corresponding alkylidene cyanoacetic ester with an alkyl or aralkyl halide in the presence of an alkali metal alkoxide.

3. Hereby disclaims from claim 13 of said Letters Patent all processes which do not include the preparation of a secondary Δ_1-alkenyl cyanoacetic ester by reacting a corresponding alkylidene cyanoacetic ester with an alkyl or aralkyl salt in the presence of sodium ethoxide.

4. Hereby disclaims from claim 14 of said Letters Patent all processes which do not include the preparation of a secondary Δ_1-alkenyl cyanoacetic ester by reacting a corresponding alkylidene cyanoacetic ester with an alkyl or aralkyl salt in the presence of an alkali metal alkoxide in an inert solvent.

5. Hereby disclaims from claim 15 of said Letters Patent all processes which do not include the preparation of a secondary Δ_1-alkenyl cyanoacetic ester by reacting a corresponding alkylidene cyanoacetic ester with an alkyl or aralkyl salt in the presence of sodium ethoxide in an inert solvent.

6. Hereby disclaims claims 1, 2, 4, 5, and 7.

2,128,400.—*Philip S. Carter*, Port Jefferson, N. Y. TRANSMISSION LINE SYSTEM. Patent dated August 30, 1938. Disclaimer filed October 19, 1939, by the patentee, the assignee, *Radio Corporation of America*, consenting.

Hereby disclaims claim 3 of said Letters Patent.

2,141,594.—*Don Cole*, Chicago, Ill. CARBURETOR. Patent dated December 27, 1938. Disclaimer filed October 18, 1939, by the assignee, *Bendix Products Corporation.*

Hereby enters this disclaimer to claims 33, 34, 40, and 41 of said patent.

2,173,171.—*Harold S. Labombarde*, Nashua, N. H. MACHINE FOR ACTING ON BLANKS. Patent dated September 19, 1939. Disclaimer filed October 19, 1939, by the assignee, *The International Paper Box Machine Company.*

Hereby enters this disclaimer of claim 4 in said patent.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 7, 1939

[VOL. 508. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 416,085. FRASER COMPANIES, LIMITED, Edmundston, New Brunswick, Canada. Filed Feb. 15, 1939.

RESTOPHANE

For Wood Pulp and Chemical Pulp.
Claims use since Aug. 7, 1933.

Ser. No. 422,435. APEX COAL COMPANY, Kansas City, Mo. Filed Aug. 9, 1939.



The exclusive use of the words "Cherokee Coal" is disclaimed apart from the mark.
For Coal.
Claims use since June 1, 1939.

Ser. No. 423,014. TRANSYLVANIA TANNING COMPANY, New York, N. Y. Filed Aug. 25, 1939.



The words "Genuine Leather" are disclaimed apart from the mark.
For Leather.
Claims use since Aug. 1, 1939.

Ser. No. 423,177. FRED RUEPING LEATHER CO., Fond Du Lac, Wis. Filed Aug. 31, 1939.

TARTAN

For Leather.
Claims use since Aug. 14, 1939.

Ser. No. 423,276. R. NEUMANN & COMPANY, Hoboken, N. J. Filed Sept. 2, 1939.

MAYTIME

For Shoe Upper and Pocketbook Leather.
Claims use since Aug. 1, 1939.

Ser. No. 423,525. THE ENGLISH MICA COMPANY, Spruce Pine, N. C. Filed Sept. 12, 1939.



For Powdered Mica.
Claims use since Mar. 1, 1938.

CLASS 2

Receptacles

Ser. No. 422,433. A. H. WIRZ, INC., Chester, Pa. Filed Aug. 8, 1939.

MONO-PAK

No claim is made to the word "Pak" apart from the mark.
For Collapsible Tubes.
Claims use since July 28, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 423,701. HARTMANN TRUNK COMPANY, Racine, Wis. Filed Sept. 18, 1939.

FLYABOUT

For Suitcases and Wardrobe Hand Luggage.
Claims use since Sept. 12, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 418,543. SHULTON, INC., New York, N. Y. Filed Apr. 21, 1939.



The figures are fanciful. The words "Mt. Vernon" are disclaimed apart from the mark as shown.

For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel; Soap Powder for Bathing, Washing and Cleaning Purposes; Laundry Soaps; Soap Flakes; Hand Soaps; Toilet Soaps; Soap Pastes, Washing Tablets, Bath Tablets, and Shampoo Soaps.

Claims use since Jan. 3, 1939.

Ser. No. 420,200. SHULTON, INC., New York, N. Y. Filed June 6, 1939.



The words "Mt. Vernon" and "Salem" are disclaimed apart from the mark as shown.

For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel; Soap Powder for Bathing, Washing and Cleaning Purposes; Laundry Soaps; Soap Flakes; Hand Soaps; Toilet Soaps; Soap Pastes, Washing Tablets, Bath Tablets, and Shampoo Soaps.

Claims use since Aug. 1, 1938.

Ser. No. 422,735. CARDINAL LABORATORIES, INC., Chicago, Ill. Filed Aug. 18, 1939.

Kiddy Kix

For Polishes and Compounds for Treating Shoes and Other Leather Goods.
Claims use since Aug. 8, 1939.

Ser. No. 422,773. THE DAVIES-YOUNG SOAP CO., Dayton, Ohio. Filed Aug. 19, 1939.

No. 140
LIQUID
DRY CLEANER

The words "Liquid Dry Cleaner" are disclaimed apart from the mark.

For Liquid Dry Cleaner.
Claims use since July 25, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 408,521. THE TRUESDALE COMPANY, INC., New York, N. Y. Filed July 14, 1938.

GEL-AMINE

For Gelatin Containing Vitamins.
Claims use since June 17, 1938.

Ser. No. 409,397. GAE COLLETTE, New York, N. Y. Filed Aug. 9, 1938.

Gae Collette

For Tissue Cream, Foundation Cream, Cream for Cleansing, Cream for the Eyes, Cream for the Throat, White Astringent Masque, Face Powder, Liquid Cleanser, Normalizer for the Pores, Foundation for Powder, Triple Astringent, Tonic for the Skin, Rouge and Lipstick.
Claims use since July 30, 1936.

Ser. No. 410,059. THE GARDEN TOOTH POWDER COMPANY, Garden, Mich. Filed Aug. 27, 1938.



The words "Tooth Powder" and "Garden, Mich.", are disclaimed apart from the mark.

For Tooth Powder.
Claims use since January, 1937.

Ser. No. 416,198. MILLSITE STEEL & WIRE WORKS, Howell, Mich. Filed Feb. 18, 1939.

SKET-O-LOSHUN

No claim is made to the word "Loshun" apart from the mark.

For Lotion for the Preventative of Bites from Insects.
Claims use since Aug. 22, 1938.

Ser. No. 416,302. BUICK W. WOODLEY, doing business as Carolina Medicine Co., Asheboro, N. C. Filed Feb. 21, 1939.

EASE-IT

For Antiseptic Recommended Particularly for Cuts, Abrasions, Bruises, Sprains, Insect Bites and Stings, and Chronic Ulcers.
Claims use since June 29, 1937.

Ser. No. 416,420. THE HOUSE FOR MEN, INC., Chicago, Ill. Filed Feb. 25, 1939.

HIS

For After Shaving Lotion, Cologne, Hair Tonic, Face Lotion, Hand Lotion, Hand Stain Remover, Tooth Paste, Hair Control Paste, and Talcum Powder.
Claims use since Feb. 20, 1939.

Ser. No. 416,803. THE KNOX COMPANY, Los Angeles, Calif. Filed Mar. 8, 1939.

Amosan



For Tooth Powders, Dentifrices, and Preparations Indicated in and for the Treatment of Pyorrhea, Trench Mouth, Tonsillitis, Sore Throat, and Catarrh.
Claims use since Oct. 1, 1937.

Ser. No. 419,011. MARTIN DE BOTELHO, New York, N. Y. Filed May 3, 1939.



The signature is that of Alexandra de Markoff, deceased.

For Facial Preparations, Including Nourishing Cream, Fluid Skin Cleaner, Cleansing Cream, Stimulation Cream, Skin Tonic, Face Powder, Rouge, Lipstick, and Eye Shadow.
Claims use since Mar. 1, 1939.

Ser. No. 419,275. WALTON SHANNON, Jackson, Miss. Filed May 10, 1939.

KOLLAR-KUMFORT



For Fabric Treating Preparations Primarily Intended for Use on Garment Collars to Prevent the Same from Chafing the Wearer.
Claims use since Apr. 7, 1939.

Ser. No. 419,536. HELENA WHOLESALE DRY GOODS COMPANY, Helena, Ark. Filed May 17, 1939.

H.W.D.G. CO.



The letter "V" in the drawing is lined to indicate that it is printed solid in red color.

For Petroleum Jelly and Olive Oil Hair Dressing.
Claims use since Dec. 2, 1937.

Ser. No. 420,614. DAVID G. ULREY, Lakeland, Fla. Filed June 17, 1939.

LUSTERENE WAX
MFG. BY THE LUSTERENE CORP.
LAKELAND, FLA.
FOR CITRUS FRUITS AND VEGETABLES
DIRECTIONS TO USE WAX TO FIVE OF WATER
EMULSION

All wording is disclaimed except "Lusterene" and "The Lusterene Corp." apart from the mark shown.
For Citrus Fruit Polishing Wax.
Claims use since May 15, 1938.

Ser. No. 421,402. ANTHONY S. TORO, doing business as Tropic Medical Products Co., Brooklyn, N. Y. Filed July 8, 1939.

CLENTOR

For Hair Dress or Tonic, Skin Lotion.
Claims use since Feb. 14, 1939.

Ser. No. 421,777. INTERSTATE LABORATORIES, INC., Long Island City, N. Y. Filed July 20, 1939.

WEATHER-TEX

For Preparation for Preventing Stains, Mildew, and Rust, and for Making Fabric Water Repellent.
Claims use since Sept. 15, 1938.

Ser. No. 422,534. HENRI BENDEL INC., New York, N. Y. Filed Aug. 12, 1939.

sans-gêne

For Perfumes and Toilet Waters.
Claims use since July 31, 1939.

Ser. No. 422,593. THE WM. S. MERRELL COMPANY, Cincinnati and Lockland Station, Cincinnati, Ohio. Filed Aug. 14, 1939.

CASTALOIDS

For Laxatives and Cathartics.
Claims use since July 15, 1923.

Ser. No. 422,694. HELLWIG-MILLER COMPANY, New York, N. Y. Filed Aug. 17, 1939.

Stylon

For Laundry Starch.
Claims use since July 17, 1939.

Ser. No. 422,758. SCHERING CORPORATION, Bloomfield, N. J. Filed Aug. 18, 1939.

SULAMBECET

For Chemical Compound to Be Used in the Treatment of Conditions Caused by Infectious Organisms.
Claims use since Aug. 1, 1939.

Ser. No. 422,862. A. EDMOND PAUSSER, doing business as Edmond Process, Philadelphia, Pa. Filed Aug. 22, 1939.

INJECTOL

For Solution for Permanently Waving Hair.
Claims use since June 16, 1939.

Ser. No. 422,877. VICK CHEMICAL COMPANY, New York, N. Y. Filed Aug. 22, 1939.

CETAMIUM

For Germicide and Antiseptic.
Claims use since Aug. 15, 1939.

Ser. No. 422,908. QUAKER CHEMICAL PRODUCTS CORP., Conshohocken, Pa. Filed Aug. 23, 1939.

DIAPENE

For Resins, Aqueous Dispersions of Resins, Aqueous Emulsions of Resins, Nonaqueous Solutions of Resins, Nonaqueous Emulsions of Resins, All Having General Applications and Uses in the Industrial Arts; and Preparations Used as Fillers, Coaters and Finishing Agents for Textile Yarns and Piece Goods.
Claims use since Mar. 22, 1939.

Ser. No. 422,912. G. SALEVA & Co., New York, N. Y. Filed Aug. 23, 1939.

Tropic-Isle

For Cosmetics—Including Cleansing Creams, Foundation Creams, Nourishing Creams, Hand Creams, Skin Tonics, Sachets, Talcum Powder, Perfumes, Face Powder, Rouges, Lipsticks, Hand and Cream Lotions, Astringent Creams, Hair Shampoo and Tonic and Hair Oil.
Claims use since July 24, 1939.

Ser. No. 422,938. LENTHERIC, INCORPORATED, New York, N. Y. Filed Aug. 24, 1939.

Confetti Pink

"Pink" is disclaimed apart from the mark.
For Rouges and Lipsticks.
Claims use since Aug. 18, 1939.

Ser. No. 422,953. PENNSYLVANIA SALT MANUFACTURING COMPANY OF WASHINGTON, Tacoma, Wash. Filed Aug. 24, 1939.

PENITE

For Sodium Arsenite in Concentrated Liquid Form for Killing Weeds.
Claims use since May 2, 1939.

Ser. No. 422,955. RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y. Filed Aug. 24, 1939.

FENDOL

For Chemical Applied to Wrapping Paper for Retarding Formation of Mould.
Claims use since July 27, 1939.

Ser. No. 422,976. JOSEPH ARENA, doing business as Arena-Javelle Company, New York, N. Y. Filed Aug. 25, 1939.

ARENA

BLEACH-TEX

No claim is made to the word "Bleach".
For Disinfectant-Germicide.
Claims use since July 1, 1933.

Ser. No. 423,036. ROBERT J. RUCKMAN, Baker, Oreg. Filed Aug. 26, 1939.

Dr. Ruckman's



Golden Masage

The words "Golden Masage" are not claimed apart from the mark. The portrait is that of applicant.
For Medicated Compound for Use in the Prevention and Treatment of Pyorrhea.
Claims use since Mar. 15, 1935.

Ser. No. 423,040. TIMOTHY F. WILLIAMS, New York, N. Y. Filed Aug. 26, 1939.

IN-BETWEEN

For Tooth Paste and Tooth Powder.
Claims use since Aug. 9, 1939.

Ser. No. 423,149. GRACE C. STABER, doing business as Jay's Laboratories, Los Angeles, Calif. Filed Aug. 29, 1939.

PROT-N-IZED

For Hair Waving Cream.
Claims use since Oct. 15, 1938.

Ser. No. 423,593. THE CONEWANGO REFINING COMPANY, Warren, Pa. Filed Sept. 14, 1939.

COSCON

For Refined Mineral Oil for Technical Use in the Manufacture of Cosmetics and Pharmaceutical Products.
Claims use since July 1, 1939.

Ser. No. 423,726. CURTAIN-HOWE CORPORATION, New York, N. Y. Filed Sept. 19, 1939.

CURTEX

For Compositions for Treating Metal Surfaces to Impart Corrosion Resistance and Bonding Properties.
Claims use since Aug. 15, 1939.

Ser. No. 423,765. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa. Filed Sept. 20, 1939.

Ophthalets

For Ointment Sold in Capsule Form for Treatment of the Eyes.
Claims use since Aug. 26, 1937.

CLASS 7

Cordage

Ser. No. 423,299. JOHN H. GRAHAM & CO., INC., New York, N. Y. Filed Sept. 5, 1939.

COMMANDER

For Sash Cord.
Claims use since 1934.

Ser. No. 423,300. JOHN H. GRAHAM & CO., INC., New York, N. Y. Filed Sept. 5, 1939.

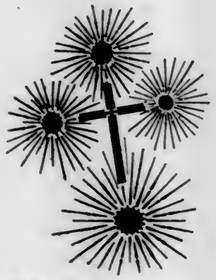
CONQUEROR



For Braided Sash Cord.
Claims use since 1934.

Ser. No. 423,302. JOHN H. GRAHAM & CO., INC., New York, N. Y. Filed Sept. 5, 1939.

SOUTHERN CROSS



For Braided Sash Cord.
Claims use since 1934.

Ser. No. 423,364. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Filed Sept. 7, 1939.

ACCO

For Wire Rope and Wire Strand.
Claims use since spring of 1938.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 420,307. ARIDOR PIPE COMPANY, Kansas City, Mo. Filed June 9, 1939.

ARIDOR

For Tobacco Pipes, Cigar and Cigarette Holders.
Claims use since Jan. 1, 1939.

CLASS 12

Construction Materials

Ser. No. 417,922. E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed Apr. 6, 1939.

LITHOCLASE

For Material for Making Cast Refractory Bodies.
Claims use since Mar. 1, 1939.

Ser. No. 419,894. THE TILE-TEX COMPANY, Chicago Heights, Ill. Filed May 26, 1939.

Flexachrome

For Composition Floor Tile.
Claims use since Apr. 13, 1939.

Ser. No. 422,423. TURNER-PFISTER CHEMICAL CORPORATION, Ridgefield, N. J. Filed Aug. 8, 1939.

NESTITE

For Chemical Compounds in the Nature of Waterproofing Preparations in Liquid Form for Use on Concrete, Stucco, Brick, Masonry Surfaces, Plaster, Insulating Boards, Asbestos, Shingle or Tile, Wood, Canvas, and Other Surfaces.
Claims use since May 14, 1938.

Ser. No. 422,424. TURNER-PFISTER CHEMICAL CORPORATION, Ridgefield, N. J. Filed Aug. 8, 1939.

NESTONE

For Chemical Compounds in the Nature of Powder Used for Plasticizing Waterproofing Preparations Used on Concrete, Stucco, Brick, Masonry Surfaces, Plaster, Insulating Boards, Asbestos, Shingle or Tile, Wood, Canvas, and Other Surfaces.
Claims use since May 14, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 422,217. THE OHIO INJECTOR COMPANY, Wadsworth, Ohio. Filed Aug. 2, 1939.

OIC HERMETIK

Applicant disclaims the word "Hermetik" apart from the mark.
For Tire Valves.
Claims use since July 17, 1939.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No 418,734. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939.



For Lead and Lead Alloys, Particularly Solder.
Claims use since 1894.

Ser. No. 418,737. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

NO. 1 JOURNAL METAL

For Lead and Lead Alloys, Particularly Babbitt Metal.
Claims use since 1894.

Ser. No. 418,738. NATIONAL LEAD COMPANY, New York, N. Y. Filed April 26, 1939.

OLD HICKORY



The pictorial representation appearing on the drawing is that of General Andrew Jackson.
For Lead and Lead Alloys, Particularly Babbitt Metal.
Claims use since 1902.

Ser. No. 418,739. NATIONAL LEAD COMPANY, New York, N. Y. Filed April 26, 1939. Under 10-year proviso.

PHOENIX

For Lead and Lead Alloys, Particularly Babbitt Metal.
Claims use since 1894.

Ser. No. 418,744. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

STERLING JOURNAL METAL

For Lead and Lead Alloys, Particularly Babbitt Metal.
Claims use since 1894.

CLASS 15

Oils and Greases

Ser. No. 423,284. GEORGE W. YENGEL, doing business as Malbone Co., Brooklyn, N. Y. Filed Sept. 2, 1939.

MALBONE

For Penetrating Oils and Lubricating Oils and Spray Oils Used in the Automotive Industry.
Claims use since October, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 419,586. MAGNAFLUX CORPORATION, Chicago, Ill. Filed May 19, 1939.

STRESSCOAT

For Brittle Varnish Used in Detecting Flaws in Metallic Articles.
Claims use since Nov. 14, 1938.

Ser. No. 421,921. ATLAS POWDER COMPANY, Wilmington, Del. Filed July 25, 1939.

H·T·A·
ZAPONITE

For Ready-Mixed Paints and Paint Enamels, Paint Colors, Varnishes, Lacquers, Thinners for Paints and Paint Enamels, Paint-Like Compositions for Lacquering and Enameling and Thinners Therefor.
Claims use since June 2, 1939.

Ser. No. 422,317. CITY SERVICE FLOOR MAINTENANCE CO., INC., New York, N. Y. Filed Aug. 5, 1939.

CI-TEX

For Varnish Type Finish for Wood Floor Surfaces.
Claims use since September, 1933.

Ser. No. 423,771. MOBILE PAINT MFG. COMPANY, INC., Mobile, Ala. Filed Sept. 20, 1939.

ZIN-PHO

For Semi-Paste Paints and Liquid Paints.
Claims use since July, 1925.

CLASS 17

Tobacco Products

Ser. No. 422,724. H. J. WINTERSCHEIDT, doing business as Beleruan Tobacco Co., Horton, Kans. Filed Aug. 17, 1939.



The word "Cigarettes" is disclaimed apart from the mark.
For Cigarettes.
Claims use since Aug. 14, 1939.

Ser. No. 423,468. LARUS & BROTHER COMPANY, INC., Richmond, Va. Filed Sept. 9, 1939.

TOBACAROMA

For Cigars, Cigarettes, Chewing and Smoking Tobacco.
Claims use since Aug. 31, 1939.

Ser. No. 423,532. DANIEL LOUGHRAN COMPANY, INCORPORATED, Washington, D. C. Filed Sept. 12 1939.

Amount

For Cigars.
Claims use since Jan. 6, 1939.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 396,064. ARNOLD, SCHWINN & COMPANY, Chicago, Ill. Filed Aug. 6, 1937.



The word "Superior" is disclaimed apart from the mark.
For Bicycles.
Claims use since July 15, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 422,035. ANACONDA WIRE & CABLE CO., New York, N. Y. Filed July 28, 1939.

INSOLUSEAL

For Electrical Joint Insulating Compound.
Claims use since June 14, 1939.

Ser. No. 422,324. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Aug. 5, 1939.

Buckeye

For Electric Storage Batteries.
Claims use since May 29, 1937.

Ser. No. 423,449. WILSON WELDER AND METALS CO., INC., New York, N. Y. Filed Sept. 8, 1939.



The drawing is lined for yellow.
For Electric Arc Welding Machines.
Claims use since Aug. 17, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 409,668. ALBUSON COMPANY, Akron, Ohio. Filed Aug. 17, 1938.

PRIME the PUMP

For Bubble Blower Toy.
Claims use since June 25, 1938.

Ser. No. 421,675. SPORT PRODUCTS, INC., Cincinnati, Ohio. Filed July 17, 1939.

DX

For Golf Clubs and Parts Thereof, Golf Balls, Golf Bags, Golf Markers, Golf Tees, and Golf Practice Devices.
Claims use since May 1, 1939.

Ser. No. 421,952. SPORT PRODUCTS, INC., Cincinnati, Ohio. Filed July 25, 1939.

SPORT PRODUCTS Inc.

Applicant disclaims the name "Sport Products Inc." apart from the mark.
For Balls—Baseballs, Indoor, Playground, Tennis, Field, Medicine, Play, Hockey, Water Polo, Hand, Speed, Golf, Basket, Volley, Soccer, Football, and Cage; Bladders—Rubber Inflated, Valve and Stem Types; Bats—Baseball and Indoor; Bags—Striking, Bat, Training (for Boxers); Bases—Baseball, Softball, Home Plate, Pitcher's Box; Carriers—Basketball and Football; Goals—Basketball; Gloves—Fielders, Catcher Mitts, Baseman Mitts, Boxing, Handball, Striking Bag, Hockey, Softball Gloves and Mitts, and Golf; Dummy's—Tackling and Releasing Attachment, and Blocking; Football Shells, Kidney Pads, Blocking Pads; Tennis and Badminton Supplies—Covers, Markers, Rackets, Presses, Nets, Tapes, and Birds; Golf Supplies—Clubs, Bags, and Tees; Baseball Supplies—Leg Guards, Masks, Sliding Pads, Toe and Heel Plates, Body Protectors, Ankle, Wrist, Knee and Elbow Supporters and Pads; Football Supplies—Shin Guards, Harness, Helmets, Nets; Shoulder, Knee and Elbow Pads, Swivels, Teeth Protectors, Thigh Guards, Nose Guards, Injury Pads, and Goal Markers; Boxing Ear Protectors; Platforms—Striking Bag, and All Sporting and Athletic Portable Platforms; Playground Supplies—Athletic Hammer and Shot, Discus, Vaulting Poles and Boards, Vaulting and Jumping Standards, Batons, Javelins, Hockey Sticks and Helmets, and Hockey Shin, Leg and Elbow Guards.
Claims use since Mar. 1, 1939.

Ser. No. 423,818. THE W. W. MILDRUM JEWEL COMPANY, East Berlin, Conn. Filed Sept. 21, 1939.

MILDARBIDE

For Rod Mountings, Such as Fishing Rod Tops, Fishing Rod Guides, and Fishing Rod Guide Rings.
Claims use since May 23, 1939.

Ser. No. 424,052. NATIONAL BASEBALL MUSEUM, INC., Cooperstown, N. Y. Filed Sept. 29, 1939.



No claim is made for applicant's name or the words "Cooperstown" and "New York" apart from the mark.
For Baseballs and Baseball Bats.
Claims use since Aug. 17, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 412,068. JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Oct. 26, 1938.

LAY-CIT

For Grips for Electric Cables.
Claims use since Aug. 10, 1938.

Ser. No. 416,102. DAVID KAHN, INC., North Bergen, N. J. Filed Feb. 16, 1939.

PENMARKER

For Engraving Machines and Parts Thereof.
Claims use since Oct. 18, 1935.

Ser. No. 416,103. DAVID KAHN, INC., North Bergen, N. J. Filed Feb. 16, 1939.

PENWRITER

For Engraving Machines and Parts Thereof.
Claims use since Nov. 10, 1938.

Ser. No. 422,352. CHARLES H. BARRETT, doing business as Dool Tool Co., Portland, Oreg. Filed Aug. 7, 1939.

Dool Tool

The word "Tool" is disclaimed apart from the mark.
For Socket Wrenches Especially Adapted for Use in Mounting and Demounting Dual Wheels on Vehicles.
Claims use since Jan. 6, 1939.

Ser. No. 422,489. ANDREW SLOVAK, doing business as Unit Machinery Company, Rockford, Ill. Filed Aug. 10, 1939.

POLYMATIC

For Single and Multiple Spindle Automatic Screw Machines, Wire Forming Machines, and Single and Multiple Spindle Automatic Chucking Machines.
Claims use since Jan. 25, 1939.

Ser. No. 422,680. TEMME SPRING CORPORATION, Chicago, Ill. Filed Aug. 16, 1939.

"Vac-U-Matic"

For Mufflers for Internal Combustion Engines.
Claims use since Aug. 1, 1939.

Ser. No. 423,315. SHARPE MANUFACTURING COMPANY, Los Angeles, Calif. Filed Sept. 5, 1939.

"BEAR-CAT"

For Air Compressors and Spray Guns.
Claims use since Oct. 1, 1927.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 423,380. THE HALOID COMPANY, Rochester, N. Y. Filed Sept. 7, 1939.

HALOBROME

For Light-Sensitive Paper.
Claims use since July 27, 1939.

Ser. No. 423,559. GAMBLE STORES INCORPORATED, Minneapolis, Minn. Filed Sept. 13, 1939.

EXPERT

For T-Squares, Squares, and Levels.
Claims use since March, 1937.

CLASS 27

Horological Instruments

Ser. No. 419,539. ADELSON & SEGALL, New York, N. Y. Filed May 18, 1939.

POWER

For Watches, Watch Cases, Watch Movements, and Parts Thereof.
Claims use since Mar. 1, 1939.

Ser. No. 422,820. INVICTA-SEELAND, INC., New York, N. Y. Filed Aug. 21, 1939.

MICROTHIN

For Watches, Watch Cases, Watch Parts, Watch Movements, and Watch Bracelets Sold as a Unit with the Watch.
Claims use since July 7, 1938.

CLASS 32

Furniture and Upholstery

Ser. No. 424,000. DE LUXE BED BRACE COMPANY, INC., Chicago, Ill. Filed Sept. 28, 1939.

Webb-ett

For Braces for Bedsteads.
Claims use since May 27, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 420,297. UNION STEEL PRODUCTS COMPANY, Albion, Mich. Filed June 8, 1939.

SUPER

For Ovens.
Claims use since June 1, 1935.

Ser. No. 421,473. CALESCO CORPORATION, Lynn, Mass. Filed July 12, 1939.

CALESCO

For Warm Air Heating and Air Conditioning Units.
Claims use since June 8, 1938.

Ser. No. 422,823. MCLAUGHLIN VENTILATOR COMPANY, Detroit and Ferndale, Mich. Filed Aug. 21, 1939.



For Ventilator Fans.
Claims use since Aug. 1, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 423,263. GRATON & KNIGHT COMPANY, Worcester, Mass. Filed Sept. 2, 1939.



The word "Brand" is disclaimed apart from the mark.
For Leather Belting.
Claims use since 1900.

CLASS 36

Musical Instruments and Supplies

Ser. No. 421,099. RECORDION CORPORATION OF AMERICA, New York, N. Y. Filed June 29, 1939.

RECORDION

For Electrical Recorder and Phonograph Combination Apparatus for Recording and Reproducing Sound.
Claims use since February, 1939.

CLASS 37

Paper and Stationery

Ser. No. 422,444. THE HOPP PRESS, INCORPORATED, New York, N. Y. Filed Aug. 9, 1939.

DURO GLOSS
CELLULOID FINISH at HALF THE COST

No claim is made for the words "Gloss" or "Celluloid Finish at Half the Cost" apart from the mark.
For Printed Sheets, Cards and the Like Having Highly Finished Surfaces.
Claims use since Aug. 7, 1939.

Ser. No. 422,617. COPYMASTER CO., Miami, Okla. Filed Aug. 15, 1939.

THE COPYMASTER

For Copy Holders.
Claims use since July 22, 1939.

Ser. No. 422,833. THE STANDARD ENVELOPE MANUFACTURING COMPANY, Cleveland, Ohio. Filed Aug. 21, 1939.

stan-clasp

No claim is made to the word "Clasp" apart from the mark.
For Envelopes.
Claims use since June 1, 1939.

Ser. No. 422,834. THE STANDARD ENVELOPE MANUFACTURING COMPANY, Cleveland, Ohio. Filed Aug. 21, 1939.

Stan-craft

No claim is made to the word "Craft" apart from the mark.
For Envelopes.
Claims use since June 1, 1939.

Ser. No. 422,845. THE MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn. Filed Aug. 23, 1939.

GOPHER

For B-Publication Paper.
Claims use since July 31, 1939.

Ser. No. 422,846. THE MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn. Filed Aug. 23, 1939.

GOPHEROTO

For Rotogravure Halftone Paper and B-Publication Paper.
Claims use since July 31, 1939.

Ser. No. 423,277. OXFORD FILING SUPPLY CO., Brooklyn, N. Y. Filed Sept. 2, 1939.

"OXCELOID"

For Index Cards, Guides and Sheets; File Folders, Ledger Sheets, Book Sheets and Charts in the Nature of Blanks to Be Filled in, When Coated over All or in Part with a Transparent Coating.
Claims use since July 7, 1939.

Ser. No. 423,537. THE TURNER & HARRISON STEEL PEN MANUFACTURING COMPANY INC., Philadelphia, Pa. Filed Sept. 12, 1939.

REGAL

For Pens, Penholders, Pen Sets, Ink Wells, and Fountain Pens.
Claims use since Dec. 1, 1904.

CLASS 38

Prints and Publications

Ser. No. 421,232. BLACKETT-SAMPLE-HUMMERT, INC., Chicago, Ill. Filed July 3, 1939.

SECOND FIDDLE

For Scripts for a Series of Commercial Radio Broadcasts Sold as a Publication in Trade.
Claims use since June 12, 1939.

Ser. No. 423,372. THE CONDE NAST PUBLICATIONS, New York, N. Y. Filed Sept. 7, 1939.

Rising Star Fashions

For Magazine Section.
Claims use since Sept. 1, 1939.

Ser. No. 423,407. ARCHITECTURAL CATALOG CO. INC., New York, N. Y. Filed Sept. 8, 1939.

ARCHITECTURE and Design

For Periodical.
Claims use since October, 1937.

Ser. No. 423,440. SENSATION MAGAZINE, INC., New York, N. Y. Filed Sept. 8, 1939.

SENSATION

For Monthly Publication.
Claims use since Aug. 30, 1939.

Ser. No. 423,447. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Sept. 8, 1939.

The National Week

For Sections of Periodical Publications.
Claims use since Sept. 5, 1939.

Ser. No. 423,527. FARRELL PUBLISHING CORPORATION, New York, N. Y. Filed Sept. 12, 1939.

THE MAN

For Periodical.
Claims use since Aug. 21. 1939.

Ser. No. 423,684. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Sept. 16, 1939.

THE WAR WEEK

For Sections of Periodical Publications.
Claims use since Sept. 11, 1939.

CLASS 39
Clothing

Ser. No. 395,671. KIDDIES PAL, INC., New York, N. Y. Filed July 27, 1937.

BRIGHT AS THE STARS
Twinkle

For Children's Dresses.
Claims use since July 15, 1937.

Ser. No. 421,122. BLOOMINGDALE BROS., INC., New York, N. Y. Filed June 30, 1939.

Wee-Madame

For Misses' and Women's Negligees, Housecoats, Suits, and Coats.
Claims use since Mar. 1, 1939.

Ser. No. 421,562. BROOKLYN BELT COMPANY, Brooklyn, N. Y. Filed July 14, 1939.

BROOKTEX

For Men's, Women's, and Children's Apparel Belts.
Claims use since Aug. 10, 1937.

Ser. No. 422,599. RELIANCE MANUFACTURING COMPANY, doing business as The Sterling Company, Chicago, Ill. Filed Aug. 14, 1939.



No claim is made to the words "The", "Dress", and "Styled by", apart from the mark.
For Ladies' Dresses.
Claims use since Aug. 3, 1939.

Ser. No. 422,719. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn. Filed Aug. 17, 1939.

Velotexed

For Hosiery and Underwear for Men, Women, and Children.
Claims use since July 15, 1939.

Ser. No. 422,852. THE BROWN-MCDONALD COMPANY, Hastings, Nebr. Filed Aug. 22, 1939.

BROWNCRAFT

For Men's and Boys' Suits, Topcoats, and Overcoats.
Claims use since Aug. 1, 1939.

Ser. No. 422,880. BURTON H. TERHUNE, Maplewood, N. J. Filed Aug. 23, 1939.

POSTURBILDER
PERSONALIZED
SHOES

Applicant disclaims all rights to the exclusive use of the word "Shoes".
For Shoes Made Chiefly of Leather, and Also Made of Rubber or Fabric and of Combinations of Said Materials.
Claims use since July 15, 1938.

Ser. No. 422,900. KAY KAREN, INC., New York, N. Y. Filed Aug. 23, 1939.

KAY-KAREN

For Infants', Misses', and Ladies' Dresses, House Coats, Sport Dresses, and Play Suits.
Claims use since Nov. 3, 1938.

Ser. No. 423,182. SUN CRAFT, INC., New York, N. Y. Filed Aug. 31, 1939.



For Ladies' and Children's Sport Shirts, Plain and Tailored Blouses, Shirts, Slacks, Play Suits, Jigger Coats, Dresses, and Top Coats.
Claims use since Aug. 2, 1939.

Ser. No. 423,258. ESSLEY SHIRT COMPANY, INC., New York, N. Y. Filed Sept. 2, 1939.

sportswear of the stars

The word "Sportswear" is disclaimed apart from the mark.
For Sportswear for Men and Young Men—Namely, Shirts and Trousers in Ensemble Sets and Separately.
Claims use since Aug. 30, 1939.

Ser. No. 423,983. NORTH STAR WOOLEN MILL COMPANY, Minneapolis, Minn. Filed Sept. 27, 1939.

NOCTURNE

For Men's, Women's, Children's, and Infants' Garments, Particularly Lounge Coats, Bed Jackets, Throws, Shirts, and Combination Robes and Hoods.
Claims use since Apr. 19, 1938.

CLASS 42
Knitted, Netted, and Textile Fabrics

Ser. No. 396,709. COHN-HALL-MARX CO., New York, N. Y. Filed Aug. 24, 1937.

"BANDANA DAYS"

Applicant disclaims the word "Bandana" except as shown.
For Printed Cotton Textile Fabrics in the Piece.
Claims use since July 14, 1937.

Ser. No. 422,692. JOSEPH BERLINGER CO., New York, N. Y. Filed Aug. 17, 1939.



For Piece Goods Consisting in Whole or in Part of Pure or Weighted Silk, Rayon, Synthetic Yarn, or Wool.
Claims use since July 9, 1936.

Ser. No. 423,171. JODEL, INC., New York, N. Y. Filed Aug. 31, 1939.

VENTO-WEAVE

The word "Weave" is disclaimed apart from the mark.
For Wide Elastic Fabric, in the Piece.
Claims use since June, 1939.

Ser. No. 423,557. FALL RIVER CURTAIN CO., INC., New York, N. Y. Filed Sept. 13, 1939.

"PERM-A-RITE" LABORATORY TESTED
A PERMANENT FINISH CURTAIN

All wording except "Perm-a-rite" is disclaimed apart from the mark.
For Curtains.
Claims use since July, 1939.

Ser. No. 423,596. ELASTIC S. A., Basel, Switzerland. Filed Sept. 14, 1939.

ZIG-ZAG

For Wide Elastic Fabrics, Including Knitted and Woven Elastic Piece Goods and Wide Elastic Webbings.
Claims use since June 25, 1934.

Ser. No. 423,956. PACIFIC MILLS, Boston, Mass. Filed Sept. 26, 1939.

STAKRISP

For Cotton Piece Goods.
Claims use since June 30, 1939.

CLASS 43

Thread and Yarn

Ser. No. 422,873. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Aug. 22, 1939.

Laton

For Yarns.
Claims use since Aug. 15, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 407,511. THE UNION TRADING CO., LTD., Hongkong, China. Filed June 15, 1938.

Velvefax

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since April, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 402,450. SAM TERRY, doing business as Valley of the Moon Fruit Juice Co., Oakland, Calif. Filed Jan. 28, 1938.

FROM THE HEART

No claim is made to the words "From the Heart" apart from the mark.
For Nonalcoholic Fruit Juices Sold for Beverage Purposes.
Claims use since November, 1937.

Ser. No. 421,882. KAY'S BEVERAGES, INC., Los Angeles, Calif. Filed July 24, 1939.



The words "Fruit Beverages" and "Delightfully Refreshing" are disclaimed apart from the mark.
For Nonalcoholic Maltless Fruit Beverages and Soft Drinks.
Claims use since May 20, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 417,995. THE BARNARD BAKESHOPS INC., Binghamton, N. Y. Filed Apr. 8, 1939.

Curly Top

For Bread, and Pastry Products, Particularly Pies, Buns, Fried Cakes, Doughnuts, Cakes, Cookies, and Cup-Cakes.
Claims use since Jan. 1, 1937.

Ser. No. 418,819. CHIN & LEE CO., INC., New York, N. Y. Filed Apr. 28, 1939.

TAKEE CUP

For Culinary Preparations—Namely, Chow Mein.
Claims use since Apr. 3, 1939.

Ser. No. 419,202. VEATIN-EDMONDS CO., Salinas, Calif. Filed May 8, 1939.

Par-Plus

For Fresh Vegetables.
Claims use since Apr. 11, 1939.

Ser. No. 419,241. WESTERN PACKING CORPORATION, New York, N. Y. Filed May 9, 1939.

FIRESIDE

WESTERN PACKING CORP.

For Corned Beef Hash.
Claims use since Feb. 4, 1939.

Ser. No. 421,272. MAURICE WILLENS, Chicago, Ill. Filed July 3, 1939.

KANDY-PIE

No claim is made to the word "Kandy" except in the association and arrangement shown.
For Candy.
Claims use since June 21, 1939.

Ser. No. 421,948. WILLIAM S. SCULL COMPANY, Camden, N. J. Filed July 25, 1939.



No claim is made to the words "Coffee Ready to Drink" apart from the mark.
For Canned Ready Prepared Coffee.
Claims use since June 1, 1939.

Ser. No. 422,085. ROMUALDO E. DI MARCO, New York, N. Y. Filed July 25, 1939.

ROSETTA BRAND

No claim is made to the word "Brand" apart from the mark.
For Canned Peeled Tomatoes, Canned Tomato Paste, and Olive Oil.
Claims use since Sept. 1, 1930.

Ser. No. 422,238. EAST NEW YORK PRODUCE CO., Brooklyn, N. Y. Filed Aug. 3, 1939.

CAMEO



The woman's head is fanciful.
For Raw Potatoes in Sacks or Bags.
Claims use since Apr. 1, 1939.

Ser. No. 423,161. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Aug. 31, 1939.



Applicant is the owner of trade-mark registration No. 231,639, dated Aug. 23, 1927. The exclusive use of all of the wording with the exception of the word "Zuma" and applicant's name is disclaimed apart from the mark.
For Preparation in Powdered Form for Making Chocolate Flavored Milk.
Claims use since Aug. 10, 1939.

Ser. No. 423,205. CHRISTIANSBURG CANNING CO., INC., Pulaski and Christiansburg, Va. Filed Sept. 1, 1939.

MISS CAROLINA

Applicant is owner of trade-mark registration No. 327,881.
For Canned Fruits and Canned Vegetables, Coffee, Macaroni, Spaghetti, Fruit Preserves, Jellies, and Canned Evaporated Milk.
Claims use since Sept. 15, 1930.

Ser. No. 423,312. PETERS & GARABEDIAN, Fresno, Calif. Filed Sept. 5, 1939.

CLO-CAL

For Fresh Deciduous Fruits and Grapes, Melons, and Fresh Vegetables.
Claims use since June 15, 1938.

Ser. No. 423,419. GUITTARD CHOCOLATE CO., San Francisco, Calif. Filed Sept. 8, 1939. Under 10-year proviso.

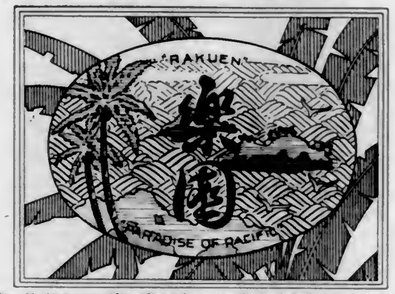
Guittard

For Cocoa.
Claims use since January, 1892.

CLASS 47

Wines

Ser. No. 422,508. FUJI SAKE BREWING COMPANY, LIMITED, Honolulu, Hawaii. Filed Aug. 14, 1939.



The lining on the drawing is for shading only. The Japanese characters on the drawing represent the word "Rakuen", "Rakuen" represents pronunciation of the Japanese word meaning "Paradise".
For Bottled Sake.
Claims use since Mar. 11, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 423,387. STAR BREWING CO., Boston, Mass. Filed Sept. 7, 1939.



No claim is made to the word "Ale" apart from the mark.
For Ale.
Claims use since Feb. 23, 1938.

Ser. No. 423,637. JACOB RUPPERT, New York, N. Y. Filed Sept. 15, 1939.



The picture is fanciful.
For Beer.
Claims use since Aug. 28, 1939.

Ser. No. 423,688. WHITE EAGLE BREWING COMPANY, Chicago, Ill. Filed Sept. 16, 1939.

CHEVALIER

For Beer.
Claims use since May 26, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 423,183. JAMES SWORD & SON, LIMITED, Glasgow, Scotland. Filed Aug. 31, 1939.

GAUNTLET BRAND.

The word "Brand" is disclaimed apart from the mark.
For Whisky.
Claims use since May 13, 1889.

Ser. No. 423,206. MAURICE GLAVIÈRES, doing business as Les Successeurs de F. Cazanove, Bordeaux, France. Filed Sept. 1, 1939.



The portrait is fanciful. The outline of the label and all notations with the exception of the letter "N" and the names of Napoleon and F. Cazanove are disclaimed apart from the mark.
For Liqueur.
Claims use since May 22, 1912.

Ser. No. 423,907. HARRY BENET, INC., Cincinnati, Ohio. Filed Sept. 25, 1939.

Old Darling

For Whiskey.
Claims use since Mar. 16, 1939.

Ser. No. 423,918. H. C. MACPHERSON, doing business as Macpherson & Company, San Francisco, Calif. Filed Sept. 25, 1939.

Scot's Master

For Whiskey.
Claims use since Feb. 6, 1939.

Ser. No. 423,928. SCHRANCK & SHAW, INCORPORATED, Milwaukee, Wis. Filed Sept. 25, 1939.

CORANDY

For Cordials, Liqueurs, Brandies, Sloe Gin, and Rock and Rye.
Claims use since May 8, 1935.

Ser. No. 424,062. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md. Filed Sept. 29, 1939.

ROSE GARDEN

For Whiskey, Gin, Brandy, Cognac, Rum, and Alcoholic Cordials.
Claims use since Feb. 9, 1937.

Ser. No. 424,073. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md. Filed Sept. 29, 1939.

KENTUCKY CROWN

No claim is made to the exclusive use of the word "Kentucky" apart from the mark.
For Whiskey, Gin, Brandy, Cognac, Rum, and Alcoholic Cordials.
Claims use since Feb. 17, 1937.

Ser. No. 424,086. A. K. HAMILTON & CO., INC., New York, N. Y. Filed Sept. 30, 1939.

'OLD ADAM'

For Scotch Whisky.
Claims use since March, 1939.

Ser. No. 424,087. A. K. HAMILTON & CO., INC., New York, N. Y. Filed Sept. 30, 1939.

ROYAL GUILD

For Scotch Whisky.
Claims use since March, 1939.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 421,206. THE SILLCOCKS-MILLER COMPANY, South Orange, N. J. Filed July 1, 1939.

Plastine

For Fabricated Plastic Articles—Namely, Indicia Signs, and House Numbers.
Claims use since May 9, 1939.

Ser. No. 422,169. THE CAROLINA BAGGING COMPANY, Henderson, N. C. Filed Aug. 1, 1939.

20th CENTURY

For Jute Rug Pads.
Claims use since June 29, 1939.

Ser. No. 422,456. WADSWORTH & WOODMAN COMPANY, Winthrop, Maine, and New York, N. Y. Filed Aug. 9, 1939.



For Pyroxylin Coated Fabrics.
Claims use since Mar. 31, 1939.

Ser. No. 422,922. CHAS. D. BRIDDELL, INC., Crisfield, Md., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania. Filed Aug. 24, 1939.

CHAMPION

For Animal Traps.
Claims use since September, 1937.

Ser. No. 423,001. LOSANACRAFT, Los Angeles, Calif. Filed Aug. 25, 1939.



The lining shown on the drawing is for the purpose of shading only.

For Metal and Composition Table Mats, Plate Holders, and Flower Holders in the Form of Wall Brackets, All Being Formed in the Shape of a Leaf or Leaves.
Claims use since July 1, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 7, 1939

372,564. BILLIARD TABLE COVERS COMPOSED OF RUBBERIZED CLOTH TO PROTECT THE TABLE FROM DUST, ETC. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed February 27, 1937. Serial No. 389,451. PUBLISHED AUGUST 29, 1939. Class 50.

372,565. CANNED VEGETABLES. CALIFORNIA PEA PRODUCTS, INC., Fullerton, Calif.
Filed March 23, 1937. Serial No. 390,412. PUBLISHED MAY 18, 1937. Class 46.

372,566. ELECTRIC DRY SHAVERS, ATTACHMENTS, AND PARTS THEREOF. REMINGTON RAND INC., Buffalo, N. Y.
Filed June 19, 1937. Serial No. 394,304. PUBLISHED AUGUST 29, 1939. Class 23.

372,567. ELECTRIC MOTORS AND PARTS THEREFOR, AND PARTICULARLY ELECTRIC MOTORS FOR ELECTRIC DRY SHAVERS, HAIR CLIPPERS, NAIL TRIMMERS, AND MASSAGE APPLIANCES. REMINGTON RAND INC., Buffalo, N. Y.
Filed December 4, 1937. Serial No. 400,469. PUBLISHED AUGUST 29, 1939. Class 21.

372,568. TOOTH BRUSHES AND TOOTH BRUSH ATTACHMENTS FOR ELECTRIC MOTORS. REMINGTON RAND INC., Buffalo, N. Y.
Filed December 4, 1937. Serial No. 400,471. PUBLISHED AUGUST 29, 1939. Class 29.

372,569. HOSIERY. RICHMOND HOSIERY MILLS, Rossville, Ga.
Filed April 8, 1938. Serial No. 405,091. PUBLISHED AUGUST 29, 1939. Class 39.

372,570. CANNED TOMATOES, CANNED FISH. G. & G. WHOLESALE GROCERS, INC., Brooklyn, N. Y.
Filed May 25, 1938. Serial No. 406,712. PUBLISHED AUGUST 29, 1939. Class 46.

372,571. CANNED FRESH VEGETABLES AND VEGETABLE JUICES FOR USE AS FOODS, AND CANNED FRESH CITRUS FRUITS AND FRUIT JUICES FOR USE AS FOODS. TYRRELL AND GARTH, INC., Houston, Tex.
Filed June 9, 1938. Serial No. 407,288. PUBLISHED AUGUST 29, 1939. Class 46.

372,572. POPCORN COATED WITH CHEESE. ROSS POTATO CHIP CO., Richland, Pa.
Filed June 22, 1938. Serial No. 407,764. PUBLISHED AUGUST 29, 1939. Class 46.

372,573. WHISKEY. JULIUS KESSLER DISTILLING CO., INC., Lawrenceburg, Ind.
Filed July 13, 1938. Serial No. 408,443. PUBLISHED AUGUST 29, 1939. Class 49.

372,574. FIBRES, SLIVER, SLUBBING, AND ROVING. HARRY C. WOLFENDEN, doing business as R. Wolfenden & Sons, Attleboro, Mass.
Filed July 27, 1938. Serial No. 408,938. PUBLISHED AUGUST 29, 1939. Class 1.

372,575. COMBS, NOT MADE OF PRECIOUS METAL. THE VULCANIZED RUBBER COMPANY, New York, N. Y.
Filed August 1, 1938. Serial No. 409,145. PUBLISHED AUGUST 22, 1939. Class 40.

372,576. FRESH VEGETABLES AND MELONS. JOHN M. JACOBS, doing business as John Jacobs Farms, Phoenix, Ariz.
Filed August 20, 1938. Serial No. 409,811. PUBLISHED AUGUST 29, 1939. Class 46.

372,577. MICROPHONES, PHONOGRAPH PICKUPS, CARDIAPHONES, FILTERS, MICROPHONE STANDS, AND VIBRATION PICKUPS. ASTATIC MICROPHONE LABORATORY, INCORPORATED, Youngstown, Ohio.
Filed September 29, 1938. Serial No. 411,074. PUBLISHED JUNE 20, 1939. Class 21.

372,578. WHISKEY. THE CALVERT DISTILLING CO., Baltimore, Md.
Filed September 29, 1938. Serial No. 411,083. PUBLISHED AUGUST 29, 1939. Class 49.

372,579. BRASSIÈRES. MARGIA KATHLEEN CHILDS, doing business as The Marja Brassiere Company, Jacksonville, Tex.
Filed October 12, 1938. Serial No. 411,520. PUBLISHED AUGUST 22, 1939. Class 39.

372,580. OPTICAL LENSES. OPTIKOTECHNA SPOLEČNOST S R. O., Prerov, Czechoslovakia.
Filed December 10, 1938. Serial No. 413,680. PUBLISHED AUGUST 29, 1939. Class 26.

372,581. NON-ALCOHOLIC MALTLESS BEVERAGES. C. H. BOEHRINGER SOHN, Nieder-Ingelheim-on-the-Rhine, Germany.
Filed February 7, 1939. Serial No. 415,700. PUBLISHED AUGUST 29, 1939. Class 45.

372,582. SANDWICHES. THE BULL-BURGER COMPANY, Amarillo, Tex.
Filed February 8, 1939. Serial No. 415,761. PUBLISHED AUGUST 29, 1939. Class 46.

372,583. JACKETS, COATS, VESTS, BLOUSES, SHIRTS, AND BREECHES FOR MEN, WOMEN, AND CHILDREN. GORDON & FERGUSON COMPANY, St. Paul, Minn.
Filed February 11, 1939. Serial No. 415,942. PUBLISHED AUGUST 22, 1939. Class 39.

372,584. LEATHER JACKETS, COATS, VESTS, BLOUSES, SHIRTS, AND BREECHES FOR MEN, WOMEN, AND CHILDREN. GORDON & FERGUSON COMPANY, St. Paul, Minn.
Filed February 11, 1939. Serial No. 415,943. PUBLISHED AUGUST 22, 1939. Class 39.

372,585. JACKETS, COATS, VESTS, BLOUSES, SHIRTS, AND BREECHES FOR MEN, WOMEN, AND CHILDREN. GORDON & FERGUSON COMPANY, St. Paul, Minn.
Filed February 11, 1939. Serial No. 415,944. PUBLISHED AUGUST 22, 1939. Class 39.

372,586. COMBINED ELECTRICAL AND PNEUMATIC VEHICLE BRAKE AND PROPULSION CONTROL UNITS. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed February 28, 1939. Serial No. 416,527. PUBLISHED AUGUST 29, 1939. Class 21.

372,587. WHEAT FLOUR. THE ISMERT-HINCKE MILLING COMPANY, Kansas City, Mo., doing business as the Riverview Mills Company, Topeka, Kans.
Filed March 10, 1939. Serial No. 416,899. PUBLISHED AUGUST 29, 1939. Class 46.

372,588. ELECTRIC GENERATORS, TRANSMITTERS, TRANSFORMERS, MOTORS, ELECTRIC RECTIFIERS AND INVERTERS, ELECTRIC DISCHARGING TUBES, ELECTRIC SWITCHES, CONDENSERS, TRANSFORMERS, CHOKE COILS, CONTROL APPARATUS, AND PARTS OF THE ABOVE CITED ELECTRICAL APPARATUS. C. H. F. MÜLLER AKTIENGESELLSCHAFT, Berlin, Germany.
Filed March 18, 1939. Serial No. 417,230. PUBLISHED AUGUST 29, 1939. Class 21.

372,589. ELECTRIC SHAVERS. NATIONAL SILVER COMPANY, New York, N. Y.
Filed March 25, 1939. Serial No. 417,503. PUBLISHED AUGUST 29, 1939. Class 23.

372,590. FRESH VEGETABLES; FRESH FRUITS—NAMELY, FRESH PINEAPPLE AND CANNED FRUIT JUICES FOR FOOD PURPOSES ONLY. KAKUICHI TOTTORI, doing business as Island Packers, Honolulu, Territory of Hawaii.
Filed April 5, 1939. Serial No. 417,894. PUBLISHED AUGUST 29, 1939. Class 46.

372,591. APPARATUS AND EQUIPMENT FOR DRILLING, COMPLETING, AND CONTROLLING OIL WELLS—NAMELY, CASING HEADS, CASING HANGERS, ETC. GRAY TOOL COMPANY, Houston, Tex.
Filed April 8, 1939. Serial No. 418,005. PUBLISHED AUGUST 8, 1939. Class 23.

372,592. BREAD AND PASTRY—NAMELY, SHORTBREAD, PIES, AND TARTS. WILSON PUDSLEY MACDONALD, Mount Royal, Quebec, Canada.
Filed April 12, 1939. Serial No. 418,160. PUBLISHED AUGUST 29, 1939. Class 46.

372,593. SOLE LEATHER. E. W. PARKS COMPANY, Worcester, Mass.
Filed April 14, 1939. Serial No. 418,262. PUBLISHED AUGUST 29, 1939. Class 1.

372,594. WHISKY. ALEXANDER MCDOUGALL & COMPANY LIMITED, Glasgow and Islay, Scotland.
Filed April 22, 1939. Serial No. 418,586. PUBLISHED AUGUST 29, 1939. Class 49.

372,595. WHISKY. ALEXANDER MCDOUGALL & COMPANY LIMITED, Glasgow and Islay, Scotland.
Filed April 22, 1939. Serial No. 418,587. PUBLISHED AUGUST 29, 1939. Class 49.

372,596. BREAD. GENERAL BAKING COMPANY, New York, N. Y.
Filed April 25, 1939. Serial No. 418,682. PUBLISHED AUGUST 29, 1939. Class 46.

372,597. SMOKING PIPES. M. LINKMAN & COMPANY, Chicago, Ill.
Filed May 1, 1939. Serial No. 419,000. PUBLISHED AUGUST 29, 1939. Class 8.

372,598. PREPARED BABY FOODS—NAMELY, STRAINED BEEF, LIVER SOUP, VEGETABLE SOUP, BEEF BROTH, ETC. PALEY-SACHS FOOD CO., Houston, Tex.
Filed May 3, 1939. Serial No. 419,037. PUBLISHED AUGUST 29, 1939. Class 46.

372,599. FERTILIZER. ELLIS LABORATORIES, INC., Montclair, N. J.
Filed May 3, 1939. Serial No. 419,058. PUBLISHED AUGUST 22, 1939. Class 10.

372,600. OSTEOPATHIC TREATMENT TABLES. DE FOREST B. CATLIN, Boston, Mass.
Filed May 6, 1939. Serial No. 419,140. PUBLISHED AUGUST 29, 1939. Class 44.

372,601. PREPARATION FOR CLEANING AND POLISHING GLASS AND WINDOWS. EARL O. MEYER, doing business as Moe-Nade Laboratories, Denver, Colo.
Filed May 8, 1939. Serial No. 419,209. PUBLISHED AUGUST 29, 1939. Class 4.

372,602. LADIES' COATS, SUITS, SKIRTS, JACKETS, BLOUSES, DRESSES, HATS AND BATHING SUITS. NEW JAUNTY SPORTSWEAR, INC., New York, N. Y.
Filed May 11, 1939. Serial No. 419,307. PUBLISHED AUGUST 15, 1939. Class 39.

372,603. HOSIERY. THE ALLEN-A COMPANY, Bennington, Vt.
Filed May 10, 1939. Serial No. 419,322. PUBLISHED AUGUST 15, 1939. Class 39.

372,604. WOMEN'S UNDERGARMENTS, SLIPS, GIRDLES, VESTS, BLOOMERS, PANTIES, DRAWERS, AND CHEMISES; ALSO NIGHTGOWNS AND PAJAMAS. JULIUS KAYSER & CO., New York, N. Y.
Filed May 15, 1939. Serial No. 419,409. PUBLISHED AUGUST 8, 1939. Class 39.

372,605. MEN'S AND BOYS' LEATHER SHOES. CRADDOCK-TERRY SHOE CORPORATION, Lynchburg, Va.
Filed May 15, 1939. Serial No. 419,417. PUBLISHED AUGUST 29, 1939. Class 39.

372,606. CHILDREN'S CLOTHES—NAMELY, DRESSES, COATS, OUTER SKIRTS, AND JACKETS. NEIMAN-MARCUS COMPANY, Dallas, Tex.
Filed May 17, 1939. Serial No. 419,494. PUBLISHED AUGUST 15, 1939. Class 39.

372,607. SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR A COMBINATION OF SAID MATERIALS; MISSES' SUITS AND MISSES' COATS. BEST & CO., INC., New York, N. Y.
Filed May 17, 1939. Serial No. 419,496. PUBLISHED AUGUST 8, 1939. Class 39.

372,608. SOUND TRANSMITTERS FORMING PARTS OF COMMERCIAL PHONOGRAPHS. DICTAPHONE CORPORATION, Bridgeport, Conn.
Filed May 17, 1939. Serial No. 419,501. PUBLISHED AUGUST 29, 1939. Class 36.

372,609. LADIES' DRESSES, COATS, SUITS, FUR COATS, FUR-TRIMMED COATS, FUR-TRIMMED DRESSES, AND FUR-TRIMMED SUITS, SWEATERS, BLOUSES, SKIRTS, PLAY SUITS, JACKETS, ETC. ARTHUR J. ROSENBLATT, Washington, D. C.
Filed May 17, 1939. Serial No. 419,527. PUBLISHED AUGUST 22, 1939. Class 39.

372,610. PEA SOUP. CATELLI FOOD PRODUCTS, LTD., Montreal, Quebec, Canada.
Filed May 19, 1939. Serial No. 419,572. PUBLISHED AUGUST 29, 1939. Class 46.

372,611. CARD CLOTH, CARD CLOTHING FOUNDATION, PRINTERS' OFFSET BLANKETS (RUBBERIZED), TEXTILE BLANKETS (RUBBERIZED), AND COATED RUBBER FABRICS IN THE PIECE. LLOYD MANUFACTURING CO., INC., Apponaug, R. I.
Filed May 19, 1939. Serial No. 419,582. PUBLISHED AUGUST 29, 1939. Class 50.

372,612. TEXTILE ART PIECE GOODS—NAMELY, UPHOLSTERY FABRIC, PILLOW COVERS, DOILIES, THROWS, AND THE LIKE. K. FEIBEL, LTD., Los Angeles, Calif.
Filed May 20, 1939. Serial No. 419,613. PUBLISHED AUGUST 29, 1939. Class 42.

372,613. NIGHTGOWNS AND PAJAMAS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed May 22, 1939. Serial No. 419,657. PUBLISHED AUGUST 29, 1939. Class 39.

372,614. LADIES', MISSES' AND CHILDREN'S DRESSES, COATS, SUITS, SWEATERS, BATHING SUITS, BATHROBES, HOUSECOATS, BLOOMERS, BLOUSES, OUTERSKIRTS, SMOCKS, BELTS FOR OUTER WEAR, SCARFS, UNDERWEAR, PAJAMAS, GLOVES MADE OF LEATHER OR FABRIC; STOCKINGS; HATS; AND SHOES AND SLIPPERS MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. ALEX LEE WALLAU INC., New York, N. Y.
Filed May 22, 1939. Serial No. 419,695. PUBLISHED AUGUST 8, 1939. Class 39.

372,615. TOBACCO PIPES, CIGAR HOLDERS, AND CIGARETTE HOLDERS NOT OF PRECIOUS METAL OR OF IMITATION PRECIOUS METAL. THE PARKER PIPE COMPANY LIMITED, London, England.
Filed May 23, 1939. Serial No. 419,732. PUBLISHED AUGUST 29, 1939. Class 8.

372,616. LADIES' AND CHILDREN'S SLIPS. SEYMOUR-AVERY MANUFACTURING COMPANY, Chicago, Ill.
Filed May 24, 1939. Serial No. 419,772. PUBLISHED AUGUST 15, 1939. Class 39.

372,617. SATCHELS AND SUITCASES. AMERICAN HARDWARE COMPANY, INC., Petersburg, Va.
Filed May 25, 1939. Serial No. 419,787. PUBLISHED AUGUST 8, 1939. Class 3.

372,618. COVERED WIRE FOR OBTAINING BODY AND FIRMNESS IN HATS, BAGS, AND THE LIKE. FRASER MANUFACTURING CO. INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,864. PUBLISHED AUGUST 22, 1939. Class 40.

372,619. HARD WATER SOAP AND LAVENDER SHAVING CREAM. PHILADELPHIA WHOLESALE DRUG COMPANY, Philadelphia, Pa.
Filed May 26, 1939. Serial No. 419,877. PUBLISHED AUGUST 29, 1939. Class 4.

372,620. LADIES', MISSES', AND CHILDREN'S CHEMISES, SLIPS, PETTICOATS, NIGHTGOWNS, PAJAMAS, BLOOMERS, VESTS, STEPINS, AND PANTIES. KRUMHOLZ & LICHTBLAU, doing business as KelRay Knitting Mills, New York, N. Y.
Filed May 31, 1939. Serial No. 420,009. PUBLISHED AUGUST 29, 1939. Class 39.

372,621. KOTO STRINGS. MITSUBISHI SHOJI KAISHA, LTD., Tokyo, Japan, and New York, N. Y.
Filed May 31, 1939. Serial No. 420,013. PUBLISHED AUGUST 29, 1939. Class 36.

372,622. PAINTS IN READY MIXED FORM AND VARNISHES. I. MAYER STRAUSS, doing business as Admiral Products Co., Maspeth, Long Island, N. Y.
Filed May 31, 1939. Serial No. 420,028. PUBLISHED AUGUST 29, 1939. Class 16.

372,623. LADIES', WOMEN'S, MISSES', AND CHILDREN'S SLEEPING AND LOUNGING PAJAMAS MADE OF SILK, COTTON, RAYON, AND WOOL, AND/OR MIXTURES OF SUCH FABRICS. GLIX-BRAND CO., INC., Pittsfield, Mass.
Filed June 1, 1939. Serial No. 420,053. PUBLISHED AUGUST 15, 1939. Class 39.

372,624. RUBBER-COATED GARMENTS—NAMELY, JACKETS, COATS, PANTS, AND APRONS FOR MEN AND WOMEN. A. J. TOWER COMPANY, Boston, Mass.
Filed June 1, 1939. Serial No. 420,077. PUBLISHED AUGUST 15, 1939. Class 39.

372,625. TENTS. NATIONAL CANVAS GOODS MANUFACTURERS ASSOCIATION, INC., St. Paul, Minn.
Filed June 3, 1939. Serial No. 420,138. PUBLISHED AUGUST 29, 1939. Class 50.

372,626. HATS AND CAPS FOR MEN. YOUNG'S MERCHANDISING CORPORATION, New York, N. Y.
Filed June 3, 1939. Serial No. 420,153. PUBLISHED AUGUST 29, 1939. Class 39.

372,627. FERTILIZER. THE CHICAGROW CORPORATION, Chicago, Ill.
Filed June 5, 1939. Serial No. 420,164. PUBLISHED AUGUST 22, 1939. Class 10.

372,628. MEN'S SWEATERS, BATHING SUITS, JACKETS AND COATS. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., Denver, Colo., and St. Louis, Mo.
Filed June 6, 1939. Serial No. 420,231. PUBLISHED AUGUST 29, 1939. Class 39.

372,629. CANNED PIE FILLINGS. MONTSWEAG FOOD PRODUCTS, INC., Bath, Maine.
Filed June 6, 1939. Serial No. 420,232. PUBLISHED AUGUST 29, 1939. Class 46.

372,630. BOTTLED SALAD DRESSING. EARL C. VAN WERT, doing business as D-Lek-Table Food Company, Pasadena, Calif.
Filed June 8, 1939. Serial No. 420,298. PUBLISHED AUGUST 29, 1939. Class 46.

372,631. MEN'S AND BOYS' SUITS, OVERCOATS, AND TOP COATS. GIBBERMAN BROS. & CO., Chicago, Ill.
Filed June 9, 1939. Serial No. 420,317. PUBLISHED AUGUST 15, 1939. Class 39.

372,632. CHILDREN'S SUITS, OVERALLS, AND SHORTS FOR OUTER WEAR, AND MEN'S AND CHILDREN'S JACKETS, TROUSERS, VESTS, AND SLACKS, WHICH GARMENTS ARE MADE PRINCIPALLY OF CORDUROY. L. ISAACSON & SONS, INC., New York, N. Y.
Filed June 9, 1939. Serial No. 420,323. PUBLISHED AUGUST 29, 1939. Class 39.

372,633. MEN'S AND BOYS' OUTER SHIRTS. FELIX A. KAPLAN & CO., INC., New York, N. Y.
Filed June 9, 1939. Serial No. 420,324. PUBLISHED AUGUST 29, 1939. Class 39.

372,634. PAJAMAS, NIGHTSHIRTS, AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. AMOSKEAG PAJAMA CO., INC., Manchester, N. H.
Filed June 10, 1939. Serial No. 420,357. PUBLISHED AUGUST 15, 1939. Class 39.

372,635. BUTTERED POPPED POPCORN. CHAS. HEFLEY, doing business as Chas. Hefley Popcorn Products, Los Angeles, Calif.
Filed June 10, 1939. Serial No. 420,374. PUBLISHED AUGUST 29, 1939. Class 46.

372,636. INFANT FOODS. RICHARD REDHUN, Flint, Mich.
Filed June 12, 1939. Serial No. 420,431. PUBLISHED AUGUST 29, 1939. Class 46.

372,637. NECKTIES. A. SAUNDERS ASHBURNER, Swissvale, Pa.
Filed June 13, 1939. Serial No. 420,444. PUBLISHED AUGUST 29, 1939. Class 39.

372,638. RUBBER GLOVES. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed June 13, 1939. Serial No. 420,467. PUBLISHED AUGUST 29, 1939. Class 39.

372,639. TOPS AND ROVINGS MADE OF SYNTHETIC TEXTILE FIBERS OBTAINED FROM CASEIN. COLLINS AND AIKMAN CORPORATION, Philadelphia, Pa.
Filed June 14, 1939. Serial No. 420,474. PUBLISHED AUGUST 29, 1939. Class 1.

372,640. SWEAT SHIRTS, SWEAT PANTS, WARM-UP SUITS, SWEATERS, HOODED SHIRTS, SOFTBALL JERSEYS, GYM SHIRTS, ETC. THE RUSSELL MANUFACTURING COMPANY, doing business as Southern Manufacturing Company, Alexander City, Ala.
Filed June 14, 1939. Serial No. 420,500. PUBLISHED AUGUST 22, 1939. Class 39.

372,641. LADIES' DRESSES AND SUITS. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed June 15, 1939. Serial No. 420,513. PUBLISHED AUGUST 22, 1939. Class 39.

372,642. MEN'S AND WOMEN'S LEATHER SHOES. DIAMOND SHOE CO., New York, N. Y.
Filed June 15, 1939. Serial No. 420,518. PUBLISHED AUGUST 29, 1939. Class 39.

372,643. WOMEN'S COATS. IRVING FINKER, INC., New York, N. Y.
Filed June 15, 1939. Serial No. 420,522. PUBLISHED AUGUST 22, 1939. Class 39.

372,644. SUSPENDERS, BRACES, AND SUPPORTERS FOR SUPPORTING TROUSERS, AND GARTERS. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed June 15, 1939. Serial No. 420,542. PUBLISHED AUGUST 29, 1939. Class 39.

372,645. LADIES', MISSES', WOMEN'S, AND CHILDREN'S FROCKS AND DRESSES OF A TEXTILE FABRIC. I. SCHNEIERSON & SONS, INC., New York, N. Y.
Filed June 15, 1939. Serial No. 420,545. PUBLISHED AUGUST 22, 1939. Class 39.

372,646. COTTON PIECE GOODS AND SHEETS AND PILLOWCASES. WAMSUTTA MILLS, New Bedford, Mass.
Filed June 15, 1939. Serial No. 420,553. PUBLISHED AUGUST 29, 1939. Class 42.

372,647. STOCKINGS. THE WAYNE KNITTING MILLS, Fort Wayne, Ind.
Filed June 15, 1939. Serial No. 420,554. PUBLISHED AUGUST 22, 1939. Class 39.

372,648. WATCH STRAPS, WATCH CHAINS, WRIST WATCH BRACELETS, ALL THE FOREGOING MADE OF OR IN PART OF LEATHER; BUCKLES, CUFF AND COLLAR BUTTONS, ALL THE FOREGOING MADE OF NONPRECIOUS METAL. GEMEX COMPANY, Newark, N. J.
Filed June 16, 1939. Serial No. 420,577. PUBLISHED AUGUST 29, 1939. Class 40.

372,649. TEA. MASAJI SAWADA, doing business as Tea Gold Co., New York, N. Y.
Filed June 17, 1939. Serial No. 420,645. PUBLISHED AUGUST 29, 1939. Class 46.

372,650. LEATHER WATCH STRAPS. ERDMAN BERG, Detroit, Mich.
Filed June 19, 1939. Serial No. 420,662. PUBLISHED AUGUST 29, 1939. Class 40.

372,651. FISHING TACKLE AND SPORTING GOODS INCLUDING DRY FLIES, WET FLIES, LEADERS, SPINNERS, FISH HOOKS, REELS, FISHING LINES, FISHING RODS, ETC. LYON & COULSON, INCORPORATED, Buffalo, N. Y.
Filed June 20, 1939. Serial No. 420,721. PUBLISHED AUGUST 29, 1939. Class 22.

372,652. LEATHER. THE OHIO LEATHER COMPANY, Girard, Ohio.
Filed June 20, 1939. Serial No. 420,723. PUBLISHED AUGUST 29, 1939. Class 1.

372,653. SOAP. THE LANITT CO., Boston, Mass.
Filed June 20, 1939. Serial No. 420,737. PUBLISHED AUGUST 29, 1939. Class 4.

372,654. FUR SKINS. VANDEWEGHE TRADING CORP., New York, N. Y.
Filed June 20, 1939. Serial No. 420,740. PUBLISHED AUGUST 29, 1939. Class 1.

372,655. MEN'S TROUSERS AND SPORTSWEAR—NAMELY, SWEATERS, COATS, AND KNICKERS. DAVENSHIRE, INC., Davenport, Iowa.
Filed June 21, 1939. Serial No. 420,751. PUBLISHED AUGUST 29, 1939. Class 39.

372,656. HOSIERY. BLUE LINE HOSIERY MILLS, INC., New York, N. Y.
Filed June 22, 1939. Serial No. 420,802. PUBLISHED AUGUST 29, 1939. Class 39.

372,657. HOSIERY. GASTONIA FULL FASHIONED HOSIERY MILL, INC., Gastonia, N. C.
Filed June 22, 1939. Serial No. 420,814. PUBLISHED AUGUST 29, 1939. Class 39.

372,658. SOLDER. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y.
Filed June 23, 1939. Serial No. 420,842. PUBLISHED AUGUST 29, 1939. Class 14.

372,659. CELLULOSE PROCESSED WATERPROOF MATERIALS USED IN THE MANUFACTURE OF CURTAINS, DRAPERIES, APRONS, AND SHOWER CURTAINS. RALPH S. HARTE, doing business as Harte & Co., New York, N. Y.
Filed June 23, 1939. Serial No. 420,858. PUBLISHED AUGUST 29, 1939. Class 50.

372,660. MEN'S AND BOYS' SUITS AND OVERCOATS. ROGERS PEET COMPANY, New York, N. Y.
Filed June 23, 1939. Serial No. 420,875. PUBLISHED AUGUST 29, 1939. Class 39.

372,661. ALIMENTARY PASTE PRODUCTS, PARTICULARLY SPAGHETTI WITH MEAT BALLS AND MACARONI WITH CHILI AND BEANS. LORIN M. SIMS, doing business as Sims Food Products, San Francisco, Calif.
Filed June 23, 1939. Serial No. 420,879. PUBLISHED AUGUST 29, 1939. Class 46.

372,662. GENERAL PLAY BALL. OREGON WORSTED COMPANY, New York, N. Y.
Filed June 24, 1939. Serial No. 420,914. PUBLISHED AUGUST 29, 1939. Class 22.

372,663. LADIES', MISSES', AND GIRLS' READY-TO-WEAR DRESSES, PARTICULARLY SPORT FROCKS, AFTERNOON DRESSES, AND FORMAL DRESSES. ELSA BRADY FROCKS, St. Louis, Mo.
Filed June 26, 1939. Serial No. 420,932. PUBLISHED AUGUST 29, 1939. Class 39.

372,664. LADIES' GLOVES MADE OF LEATHER AND FABRIC. IRELAND BROS., Johnstown, N. Y.
Filed June 26, 1939. Serial No. 420,958. PUBLISHED AUGUST 29, 1939. Class 39.

372,665. CANNED FRUITS, VEGETABLES, FISH, SOUPS, FRUIT JUICES FOR FOOD PURPOSES, OLIVES, PUREE OF SPINACH, SPANISH STYLE TOMATO SAUCE, ETC. LOS ANGELES SALES CO., Los Angeles, Calif.
Filed June 26, 1939. Serial No. 420,960. PUBLISHED AUGUST 29, 1939. Class 46.

372,666. PARCHMENT PAPER. RHINELANDER PAPER COMPANY, Rhinelander, Wis.
Filed June 26, 1939. Serial No. 420,969. PUBLISHED AUGUST 29, 1939. Class 37.

372,667. LADIES' AND MISSES' KNITTED SPORT SWEATERS AND TWO PIECE KNITTED DRESSES. SELECT SPORTSWEAR, INC., New York, N. Y.
Filed June 26, 1939. Serial No. 420,972. PUBLISHED AUGUST 29, 1939. Class 39.

372,668. OVERALLS, WORK SHIRTS, JUMPERS (WORK COATS), AND DUNGAREES, THE LATTER BEING AN OVERALL WITHOUT APRON OR UPPER PART. ALEXANDER BROS. COMPANY, Savannah, Ga.
Filed June 27, 1939. Serial No. 420,987. PUBLISHED AUGUST 29, 1939. Class 39.

372,669. CIGARS. ENRICO CIGAR COMPANY, New York, N. Y.
Filed June 27, 1939. Serial No. 421,019. PUBLISHED AUGUST 29, 1939. Class 17.

372,670. FRESH CITRUS FRUIT. CULBERTSON LEMON ASSN., Saticoy, Calif.
Filed June 28, 1939. Serial No. 421,028. PUBLISHED AUGUST 29, 1939. Class 46.

372,671. SPARKLING ALE. DEERPARK BEVERAGES, INC., Port Jervis, N. Y.
Filed June 28, 1939. Serial No. 421,029. PUBLISHED AUGUST 29, 1939. Class 48.

372,672. SHELF AND LINING PAPER. ROYAL LACE PAPER WORKS, Brooklyn, N. Y.
Filed June 28, 1939. Serial No. 421,054. PUBLISHED AUGUST 29, 1939. Class 37.

372,673. SPORT SHIRTS AND PANTS. WILLIAM STECHEL, New York, N. Y.
Filed June 28, 1939. Serial No. 421,058. PUBLISHED AUGUST 29, 1939. Class 39.

372,674. TISSUE, NAPKINS, NECK STRIPS, HEAD REST ROLLS, SANI-STRIP NECK STRIPS, AND NAPE-TEX NECK STRIPS. MARCALUS MANUFACTURING CO., INC., Elizabeth, N. J.
Filed June 29, 1939. Serial No. 421,091. PUBLISHED AUGUST 29, 1939. Class 37.

372,675. EGGS. ACME EGG CO., INC., New York, N. Y.
Filed June 30, 1939. Serial No. 421,117. PUBLISHED AUGUST 29, 1939. Class 46.

372,676. COMPOUND FOR TREATING OR DRESSING THE UPPERS AND SOLES OF SHOES, AND OTHER LEATHER PRODUCTS, FOR THE PURPOSE OF INCREASING FLEXIBILITY, WATER RESISTANCE, AND FRICTION RESISTANCE, THE COMPOUND BEING PREPARED IN LIQUID FORM FOR RETAIL DISTRIBUTION. LOUIS EARLE TIMSON, doing business as Timson's, Boston, Mass.
Filed June 30, 1939. Serial No. 421,168. PUBLISHED AUGUST 29, 1939. Class 4.

372,677. COATED AND UNCOATED BOOK PAPER, OFFSET PAPER, BOND PAPER, WRITING PAPER, LEDGER PAPER, AND BRISTOL PAPER. TOBEY-FINE PAPERS, INC., St. Louis, Mo.
Filed June 30, 1939. Serial No. 421,169. PUBLISHED AUGUST 29, 1939. Class 37.

372,678. PISTON RINGS. S. Q. SHANNON, doing business as Pacific Piston Ring Company, Los Angeles, Calif.
Filed July 1, 1939. Serial No. 421,204. PUBLISHED AUGUST 29, 1939. Class 35.

372,679. PISTON RINGS. BURD PISTON RING COMPANY, Rockford, Ill.
Filed July 3, 1939. Serial No. 421,234. PUBLISHED AUGUST 29, 1939. Class 35.

372,680. VENETIAN BLINDS. NATIONAL VENETIAN BLIND CO., Los Angeles, Calif.
Filed July 4, 1939. Serial No. 421,276. PUBLISHED AUGUST 29, 1939. Class 32.

372,681. LEATHER BELTING. SOUTHERN BELTING COMPANY, Atlanta, Ga.
Filed July 6, 1939. Serial No. 421,327. PUBLISHED AUGUST 29, 1939. Class 35.

372,682. HOSPITAL SIGNAL CORDS AND HOSPITAL WASTE RECEPTACLE HOLDERS. EMMA WYLLY CRUM, Poughkeepsie, N. Y.
Filed July 8, 1939. Serial No. 421,371. PUBLISHED AUGUST 29, 1939. Class 44.

372,683. PNEUMATIC TIRES FOR VEHICLES. THE MOHAWK RUBBER COMPANY, Akron, Ohio.
Filed July 10, 1939. Serial No. 421,435. PUBLISHED AUGUST 29, 1939. Class 35.

372,684. FISHING LINES. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed July 15, 1939. Serial No. 421,622. PUBLISHED AUGUST 29, 1939. Class 22.

372,685. MANICURE KITS IN THE FORM OF A CASE CONTAINING NAIL FILES, TWEEZERS, CUTICLE SCISSORS, NAIL SCISSORS, ETC. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio.
Filed July 17, 1939. Serial No. 421,652. PUBLISHED AUGUST 29, 1939. Class 44.

372,686. UPHOLSTERED FURNITURE AND FURNITURE CONVERTIBLE INTO SLEEPING UNITS, EXCEPT FOR USE ON RAILROAD EQUIPMENT. PULLMAN COUCH COMPANY, Chicago, Ill.
Filed July 17, 1939. Serial No. 421,671. PUBLISHED AUGUST 29, 1939. Class 32.

372,687. ELASTIC HOSIERY AND UNDERWEAR. OTIS CLAPP & SON, INC., Boston, Mass.
Filed July 18, 1939. Serial No. 421,691. PUBLISHED AUGUST 29, 1939. Class 44.

372,688. PORTABLE COOLERS OR REFRIGERATORS, PARTICULARLY ADAPTED TO HOLD BOTTLES. ROBERT W. MACDONALD, Providence, R. I.
Filed July 18, 1939. Serial No. 421,707. PUBLISHED AUGUST 29, 1939. Class 31.

372,689. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 22, 1939. Serial No. 421,867. PUBLISHED AUGUST 29, 1939. Class 49.

372,690. MAGNETIZED TOY ANIMALS. JOHN A. SAND, JR., Chicago, Ill.
Filed July 25, 1939. Serial No. 421,946. PUBLISHED AUGUST 29, 1939. Class 22.

372,691. MATTRESSES. SEALY, INCORPORATED, Pittsburgh, Pa.
Filed July 25, 1939. Serial No. 421,950. PUBLISHED AUGUST 29, 1939. Class 32.

372,692. MATTRESSES. L. BAMBERGER & Co., Newark, N. J.
Filed July 26, 1939. Serial No. 421,959. PUBLISHED AUGUST 29, 1939. Class 32.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

372,693. (CLASS 37. PAPER AND STATIONERY.) WENDELL J. CALEY, doing business as W. J. Caley & Co., Philadelphia, Pa. Filed Sept. 11, 1937. Serial No. 397,322.

Windsor

For Pens, Mechanical Pencils, and Desk Sets.
Claims use since Aug. 31, 1937.

372,694. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHILIP H. MUTH, doing business as Purity Cone Co., Pittsburgh, Pa. Filed July 19, 1938. Serial No. 408,655.

CREAM PURITY CONE

For Ice Cream Cones.
Claims use since Feb. 1, 1929.

372,695. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GRAEF-COWEN CORPORATION, Allentown, Pa. Filed Aug. 8, 1938. Serial No. 409,355.

LONG-REECH

For Fly Swatters.
Claims use since Dec. 10, 1937.

372,696. (CLASS 37. PAPER AND STATIONERY.) THE COLUMBIA MILLS, INC., New York, N. Y. Filed Aug. 25, 1938. Serial No. 409,960.

Columbia

For Tracing Cloth.
Claims use since Feb. 16, 1938.

372,697. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) KOPPERS COMPANY, Pittsburgh, Pa., and Baltimore, Md. Filed Sept. 20, 1938. Serial No. 410,791.

STEEL-EDGE

For Piston Rings.
Claims use since Sept. 13, 1938.

372,698. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. J. GAHAN, Los Gatos, Calif. Filed Jan. 3, 1939. Serial No. 414,442.

VAPORIZED REDI-COOKED

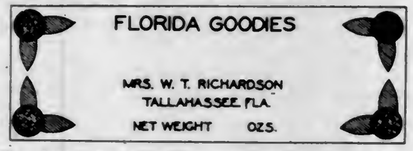
For Dried Fruits.
Claims use since July 8, 1938.

372,699. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARCUS BROTHERS, also doing business as Marbro Mills, New York, N. Y. Filed Jan. 11, 1939. Serial No. 414,703.

ALL AMERICAN PRINTS

For Cotton and Rayon Piece Goods.
Claims use since August, 1938.

372,700. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUBY G. RICHARDSON, Tallahassee, Fla. Filed Apr. 22, 1939. Serial No. 418,619.



The drawing is lined conventionally for green and orange.
For Crystallized Fruits, Jellies, Jams, Fruit Preserves, and Marmalades.
Claims use since January, 1921.

372,701. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed May 27, 1939. Serial No. 419,915.

For Bath Soap.
Claims use since April, 1935.

372,702. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAROFF COMPANY, Portland, Oreg. Filed June 19, 1939. Serial No. 420,679.

Maroff

For Furniture Polish and Scratch Remover.
Claims use since June 1, 1937.

372,703. (CLASS 37. PAPER AND STATIONERY.) RISING PAPER COMPANY, Housatonic, Mass. Filed July 8, 1939. Serial No. 421,397.

Old Nantucket Bond

For Writing Paper.
Claims use since Jan. 1, 1915.

372,704. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BENDIX AVIATION CORPORATION, Bendix, N. J. Filed July 27, 1939. Serial No. 421,992.

ANTI-ICER

For Fluid Pumping and Distributing Apparatus for Use in Preventing Ice Formation and/or Accumulation on the Surfaces of Aircraft and/or on the Surfaces of Devices Installed Thereon, Such as Propellers, Engines, and Parts Associated Therewith.
Claims use since Mar. 30, 1936.

372,705. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MANSFIELD TIRE AND RUBBER COMPANY, Mansfield, Ohio. Filed Sept. 8, 1939. Serial No. 423,426.

MANSFIELD

For Tires and Tubes Made Wholly or Partly of Rubber.
Claims use since 1910.

372,706. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOOTT MILLS, Lowell, Mass. Filed Sept. 18, 1939. Serial No. 423,691.

WIPE-DRY

For Towels.
Claims use since May 28, 1938.

TRADE-MARK REGISTRATIONS RENEWED

127,357. **OSBORN.** CERTAIN NAMED BRUSHES AND BROOMS. Registered November 11, 1919. THE CLEVELAND OSBORN MANUFACTURING COMPANY. Renewed November 11, 1939, to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, by change of name.

128,590. **AIRCO.** CALCIUM CARBID. Registered January 13, 1920. AIR REDUCTION COMPANY, INCORPORATED. Renewed January 13, 1940, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee.

128,645. **CAD.** STEEL FORGINGS AND STEEL CASTINGS. Registered January 13, 1920. HARRY CADWALLADER, JR., Philadelphia, Pa. Renewed January 13, 1940.

128,904. **INNER-CIRCLE.** CANDY. Registered January 13, 1920. JOHN G. WOODWARD & CO., Council Bluffs, Iowa. Renewed January 13, 1940, to Fenn Bros. Inc., Sioux Falls, S. Dak., a corporation of South Dakota, assignee.

128,950. **CAD.** CERTAIN NAMED CUTLERY, MACHINERY AND TOOLS, AND PARTS THEREOF. Registered January 20, 1920. HARRY CADWALLADER, JR., Philadelphia, Pa. Renewed January 20, 1940.

129,338. **CASCO.** READY-MIXED PAINTS. Registered February 17, 1920. JAMES G. CASAD, Urbana, Ill. Renewed February 17, 1940, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

129,347. **A MALE BUST PORTRAIT.** A REMEDY FOR RHEUMATISM. Registered February 17, 1920. ANDREA DELLAPI, Altoona, Pa. Renewed February 17, 1940.

129,391. **RX 500.** A LIQUID PREPARATION FOR THE TREATMENT OF RHEUMATISM. Registered February 17, 1920. ALEXANDER ALLEN RUGELEY. Renewed February 17, 1940, to R. A. Rugeley, Wharton, Tex., successor.

129,597. **ARMAND.** FACE-POWDER, COLD-CREAM, HAIR-WASH, TOOTH-PASTE, ROUGE, SHAMPOO PREPARATIONS, AND PERFUME. Registered March 9, 1920. THE ARMAND COMPANY, Des Moines, Iowa, a corporation of Iowa. Renewed March 9, 1940.

129,686. **AN EAGLE.** PRINTING-INKS AND LITHOGRAPHIC INKS. Registered March 9, 1920. THE EAGLE PRINTING INK CO., Jersey City, N. J., and New York, N. Y. Renewed March 9, 1940, to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware, assignee.

129,723. **SUN-LITE.** ACETYLENE GAS AND CARBID. Registered March 9, 1920. GAS TANK RECHARGING CO., Milwaukee, Wis. Renewed March 9, 1940, to National Carbide Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

129,902. **THE TOLEDO SYSTEM.** PUBLICATIONS—NAMELY, BULLETINS, PAMPHLETS, HOUSE ORGAN, CATALOGUES, AND MAGAZINES. Registered March 9, 1920. TOLEDO SCALE COMPANY, Jersey City, N. J., and Toledo, Ohio. Renewed March 9, 1940, to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey, by change of name.

129,943. **CHUKKA.** WOOLEN GOODS IN THE PIECE. Registered March 9, 1920. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed March 9, 1940, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine.

129,946. **TUSKARA.** WOOLEN GOODS IN THE PIECE. Registered March 9, 1920. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed March 9, 1940, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine.

130,011. **TROJAN.** MEN'S CRAVATS. Registered March 23, 1920. COHAN, ROTH & STIFFSON, New York, N. Y., a firm. Renewed March 23, 1940.

130,020. **ALCOGAS.** FUELS CONTAINING ALCOHOL AND LIQUID FUELS CONTAINING ALCOHOL AND A HYDROCARBON. Registered March 23, 1920. U. S. INDUSTRIAL ALCOHOL CO. Renewed March 23, 1940, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee.

LABELS

REGISTERED NOVEMBER 7, 1939

53,887.—*Title:* SATINWAX, MADE BY THE MAKERS OF SOILAX. For a Liquid Wax for Floors. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn. Published May 23, 1939.

53,888.—*Title:* A. R. P. I. PROCESS VITAMIN D. For a Concentrated Sterilized Fluid Preparation of Activated Ergosterol, A. R. P. I. Process for Use in Fortifying Bread and Other Food Products. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1939.

53,889.—*Title:* SPE-DE. For Soap Powder. LAURENCE N. GOODRICH, Anoka, Minn. Published September 15, 1939.

53,890.—*Title:* FORM 1533. For Metal Working Cutters. GEORGE GORTON MACHINE CO., Racine, Wis. Published July 25, 1939.

53,891.—*Title:* MIRACLE NEW WOOD ROLLER MASHER STRAINER. For Strainers. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Published October 6, 1939.

53,892.—*Title:* AMBASSADOR COFFEE. For Coffee. JOHN LAMBROS, doing business as Mocha & Brazilian Coffee Co., St. Paul, Minn. Published September 20, 1939.

53,893.—*Title:* MEAD'S BREWERS YEAST POWDER. For Brewers Yeast Powder. MEAD JOHNSON & COMPANY, Evansville, Ind. Published September 14, 1939.

53,894.—*Title:* MEAD'S FLAVORED COD LIVER OIL. For Flavored Cod Liver Oil. MEAD JOHNSON & COMPANY, Evansville, Ind. Published September 2, 1939.

53,895.—*Title:* CREAM EXTRACTORS. For Cream Extractors. NEW JERSEY SPECIALTY COMPANY, INCORPORATED, Trenton, N. J. Published September 5, 1939.

53,896.—*Title:* FRENCH CHEF'S SELECTION. For Kitchen Knives. ROBERT B. PAYSEE, Chicago, Ill. Published April 15, 1939.

PRINTS

REGISTERED NOVEMBER 7, 1939

17,667.—*Title:* THE MacFARLANE SYSTEM (TWO PRICES ON THE SAME CANDY). For Candy and Nuts. AWFUL FRESH MacFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published October 6, 1939.

17,668.—*Title:* SPARKIE A COLA THAT SATISFIES. For a Soft Drink. CHARLES ERNEST BRITTON, Richmond, Va. Published August 8, 1939.

17,669.—*Title:* FREE! THIS LOVELY, GENUINE GAY RAINBOW MILK AND CREAM PITCHER. For a Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published October 8, 1939.

17,670.—*Title:* 'BULLET BALL' DANOWSKI THROWS PAY-OFF PASS! For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published October 8, 1939.

17,671.—*Title:* WE'VE HAD AN AVALANCHE OF REQUESTS FOR THIS RECIPE. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published October 11, 1939.

17,672.—*Title:* THE CORRECT GRIND FOR BEST RESULTS BY ANY METHOD OF COFFEE-MAKING—FOR DRIP, GLASS MAKER, PERCOLATOR, OR POT—ADFORM 1017. For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published September 5, 1939.

17,673.—*Title:* CUP-TESTING AT HILLS BROS.—"NOW THAT'S WHAT I CALL GOOD COFFEE!" ADFORM 1015-A. For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published September 5, 1939.

17,674.—*Title:* INSPECTING GREEN COFFEE—"NOW THAT'S WHAT I CALL GOOD COFFEE!" ADFORM 1015-B. For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published September 5, 1939.

17,675.—*Title:* M. J. B. WHY? "I'M THINKING HOW NICE IT'D BE TO HAVE A CUSTOMER ONCE IN A WHILE WHEN I GET A BRILLIANT IDEA . . ." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,676.—*Title:* M. J. B. WHY? "I'M WALKING ALONG THE WATERFRONT, FIGURING HOW TO SQUARE THINGS WITH THE WIFE, WHEN THIS GUY YELLS . . ." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,677.—*Title:* M. J. B. WHY? "IT COST US $5 TO FIND OUT . . ." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,678.—*Title:* M. J. B. WHY? "IT GOT ME A $10 TIP." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,679.—*Title:* M. J. B. WHY? "IT WAS WORTH GETTING LOST TO FIND OUT . . ." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,680.—*Title:* M. J. B. WHY? "THANK GOODNESS I WENT TO COOKING SCHOOL . . ." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,681.—*Title:* M. J. B. WHY? "THAT'S ONE THING MOTHER DIDN'T KNOW . . ." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,682.—*Title:* M. J. B. WHY? "THIS CHAP SURE OPENED MY EYES." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,683.—*Title:* M. J. B. WHY? "WE FOUND THE ANSWER IN A SNOWSTORM . . ." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,684.—*Title:* M. J. B. WHY? "WE LEARNED THE ANSWER FROM THE SARAH B . . ." For Coffee. M. J. B. Co., San Francisco, Calif. Published September 15, 1939.

17,685.—*Title:* DOUBLE FEATURE FOR SMART ENTERTAINING. For Toasters and Waffle Bakers. McGRAW ELECTRIC COMPANY, Elgin, Ill. Published September 20, 1939.

17,686.—*Title:* EXPANDER HEALTHSHORT. For Men's Shorts. HENRY C. REUSCH & Co., Newark, N. J. Published May 1, 1939.

17,687.—*Title:* COMPLETE SET OF OUR NEW 15-YEAR GUARANTEED SILVERWARE. For Silverware. JOSEPH C. SOMMERS, doing business as National Trade Stimulators, Chicago, Ill. Published July 17, 1939.

17,688.—*Title:* KNEEL-EASY GARDEN PADS. For Knee Pads. GRACE WRIGHT, Grosse Pointe Farms, Mich. Published March 25, 1939.

REISSUES

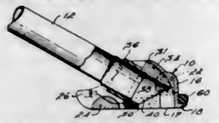
NOVEMBER 7, 1939

21,256
NOZZLE FOR VACUUM CLEANERS

Clarence A. Brock, Detroit, Mich., assignor, by mesne assignments, to Rexair, Inc., Detroit, Mich., a corporation of Delaware

Original No. 2,035,688, dated March 31, 1936, Serial No. 726,720, May 21, 1934. Application for reissue April 10, 1937, Serial No. 136,212

23 Claims. (Cl. 15—156)



15. In a nozzle structure adapted for connection to a source for establishing a fluid pressure differential through said nozzle, the combination of an outer nozzle member having a first portion adapted for direct application to a surface to be operated upon and having a relatively large first port in said first portion; an inner nozzle member having a second portion adapted for direct application to said surface and having a relatively small second port in said second portion in continuous connection with said source; and means pivotally connecting said inner member to said outer member for movement within said first port so that in one relative pivotal position thereof said second port forms a connection between said first port and said source, and in a second relative position thereof said inner member substantially closes off said first port from said source and said second portion is directly applied to said surface.

20. In a nozzle structure, the combination of a nozzle member having a service port therein adapted for direct application to a surface to be operated upon, a follower portion extending rearwardly from said service port, and an auxiliary nozzle member pivotally connected to said first mentioned nozzle member at a point between said service port and said follower portion, said auxiliary nozzle member being movable between one position within said main nozzle member in which it restricts the effective size of said service port and a second position in which the full area of said service port is effective.

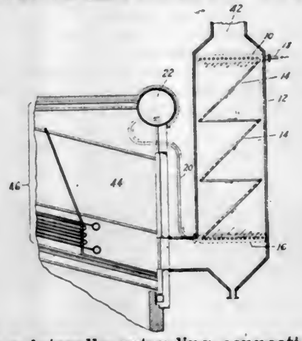
21,257
HEAT EXCHANGER

Charles E. Lucke, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey

Original No. 2,075,044, dated March 30, 1937, Serial No. 540,025, May 26, 1931. Application for reissue September 8, 1938, Serial No. 228,982

26 Claims. (Cl. 257—230)

24. In a fluid heater, means forming a gas pass for the flow of furnace gases therethrough a first set of flat coils including parallel tubular sections extending transversely of the flow of the furnace gases, other sets of flat coils likewise including parallel tubular sections extending transversely of the gas flow in succeeding positions in the gas pass, and a common source of fluid connected to said coils for flow therethrough to a common outlet, the coils being so connected as to form flow paths in parallel arrangement between the source of fluid and the common outlet, each coil of one set having its outlet end directly communicating with the inlet end of a coil of a succeeding



set by a laterally extending connection, the directly connected coils having their connected ends offset laterally with reference to the direction of gas flow.

21,258
HOSE

Raymond Taylor, Earl Shilton, England, assignor, by mesne assignments, to Hosiery Patents, Inc., Wilmington, Del., a corporation of Delaware

Original No. 2,117,921, dated May 17, 1938, Serial No. 732,541, June 26, 1934. Application for reissue July 10, 1939, Serial No. 284,022. In Great Britain April 10, 1934

7 Claims. (Cl. 66—172)



3. A ladies' full-length hose having a leg knitted of comparatively inelastic thread and having attached thereto a suspender grip, extending from the open end of the stocking to a position adjacent the knee of the wearer, which suspender grip consists of lace fabric, in which elastic threads are incorporated and which is capable of simultaneous stretch in directions both circumferentially and longitudinally of the stocking.

PATENTS

GRANTED NOVEMBER 7, 1939

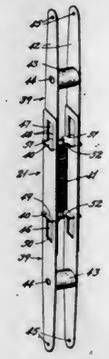
2,178,536
ANTIOXIDANTS
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 18, 1936, Serial No. 64,499
12 Claims. (Cl. 260—803)

1. The method of treating rubber which comprises vulcanizing the same in the presence of the product derived by the reaction, in one step, of an aldehyde, a diaryl amine, and a phenolic compound.

2,178,537
MOLDING
Herbert A. Endres, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 22, 1936, Serial No. 97,442
2 Claims. (Cl. 18—55)

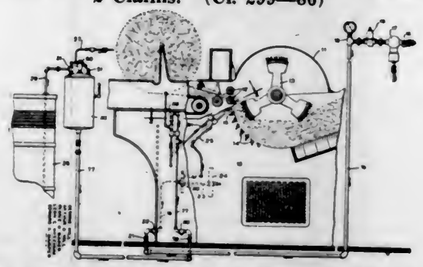
1. That improved method of molding condensation derivatives of rubber which comprises forming with heat and pressure in a mold a substantially unoxidized condensation derivative of rubber obtained by decomposing with water the reaction product of chlorostannic acid and a rubber cement.

2,178,538
INSTRUMENT SPRING LINK MOVEMENT
Paul F. K. Erbguth, Brooklyn, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York
Application November 26, 1937, Serial No. 176,675
7 Claims. (Cl. 74—579)



4. A link for pivotally connecting a driving and a driven member and including in combination, two relatively movable pairs of substantially identical members, and means for continuously biasing said pairs to provide a fixed normal length of said link, each member having two portions both of which portions are adapted and arranged relative to said means to be normally abutted by said means, said members and said means being so constructed and arranged that one of said portions of each member is abutted by said means upon a lengthening and the other of said portions of each member upon a shortening of the length of said link from its normal length.

2,178,539
APPARATUS FOR CONDITIONING FIBROUS MATERIAL
George Hill and Arthur G. Hill, Wellford, and Pearce H. Baker, Greenville, S. C., and Leon C. Mitchum and Edward A. Harper, Atlanta, Ga., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 16, 1936, Serial No. 80,114
2 Claims. (Cl. 299—86)



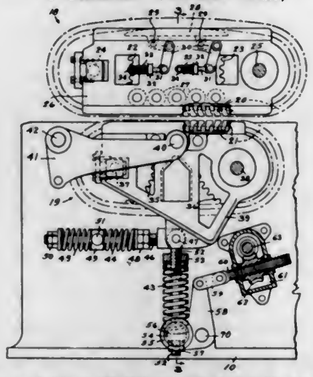
2. In an apparatus for applying a conditioning fluid to fibrous material during the processing thereof, a spray manifold having atomizing nozzles directed to apply the atomized conditioning fluid upon the fibrous material, means for conducting air under pressure to said nozzles, means for conducting the conditioning fluid to said nozzles, air operated means for obtaining a primary regulation of the supply of conditioning fluid to said nozzles, and means for obtaining a secondary and more minute regulation of said supply of conditioning fluid prior to its delivery to said nozzles.

2,178,540
BOTTOM HOLE CHOKE
Charles H. McNeese and Charles C. Loveless, Jr., Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application August 28, 1937, Serial No. 161,454
2 Claims. (Cl. 166—2)



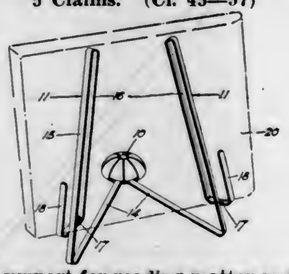
1. In an oil well having a casing, eduction tubing within said casing, a port in said eduction tubing, a sleeve valve controlling said port, a piston for actuating said sleeve valve, said piston being positioned in the annular space between said casing and said tubing, a cam for controlling the position of said valve, a cam groove for said cam, and means operable from the surface for varying the pressure in said annular space above said piston for causing said valve to move through an amplitude determined by said cam and cam groove.

2,178,541
RESILIENT MOUNTING MEANS FOR A RESILIENTLY SUPPORTED FEEDING MECHANISM
Frederick A. Nicholson and Wilmot T. Pritchard, Seattle, Wash., assignors to Stetson-Ross Machine Company, Seattle, Wash., a corporation of Washington
Application December 21, 1936, Serial No. 116,963
5 Claims. (Cl. 144—242)



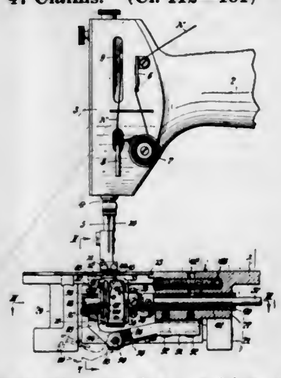
1. In a device of the class described, a feeding member; a feeding member supporting frame means; an upper pivotally mounted supporting means having its swinging portion pivotally connected with said supporting frame means; and a lower resiliently mounted supporting means connected with said supporting frame means and resisting the movement in two directions of the feeding member supporting frame means afforded by the upper pivotally mounted supporting means.

2,178,542
READING MATTER HOLDER
Alex F. Osborn, Buffalo, N. Y., assignor to McDonald Products Corporation, Buffalo, N. Y., a corporation of New York
Application January 12, 1939, Serial No. 250,598
5 Claims. (Cl. 45—57)



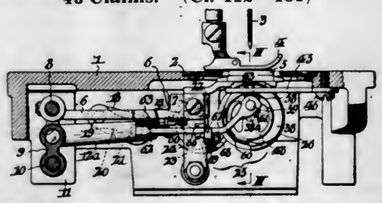
1. In a support for reading matter and the like, a pair of supporting members comprising elongate elements having substantially horizontally extending base portions pivotally connected to each other at one end, the opposite end of each such base portion being provided with an upwardly extending portion to serve as a back rest for reading matter, each upwardly extending portion having attached thereto means for holding reading matter thereagainst, such means comprising a portion which extends forwardly of said upwardly extending portion intermediate the length thereof, the forward terminal portion of said means including an upwardly extending portion, said means being resiliently attached to said first mentioned upwardly extending portion whereby said forwardly extending portion and the last mentioned upwardly extending portion may be yieldably moved forward and rearward with respect to the first mentioned upwardly extending portion to resiliently accommodate reading matter of various thicknesses.

2,178,543
LOCK STITCH SEWING MACHINE
Charles F. Rubel and Clarence C. Smith, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application July 25, 1936, Serial No. 92,540
47 Claims. (Cl. 112—181)



1. In a lock stitch sewing machine, an axially hollow rotary hook; a non-rotating hollow bobbin case holder retained within and by the rotary hook with capacity for limited axial play; opposing circumferential shoulders respectively on said hook and said holder; a bobbin case fitting within the holder; and separate means for maintaining the bobbin case in the holder with the circumferential shoulder of said holder normally out of contact with the circumferential shoulder of said hook.

2,178,544
LOCK STITCH SEWING MACHINE
Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application January 30, 1937, Serial No. 123,180
43 Claims. (Cl. 112—181)



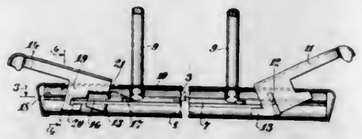
1. In a lock stitch sewing machine, stitch-

forming mechanism including two relatively rotating components, said components being operatively interconnected with provision for limited endwise play; and moving means operative to take up the end play between said components during a portion of each stitch-forming cycle.

2,178,545
PRESERVING RUBBER
William P. ter Horst, Lakewood, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 17, 1936, Serial No. 74,965
8 Claims. (Cl. 18—50)

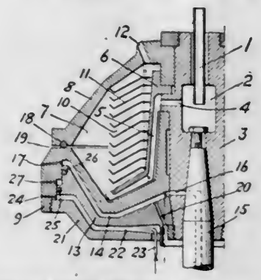
1. The method of treating rubber which comprises vulcanizing the same in the presence of the reaction product of about one mol of an aromatic hydroxy compound, five mols of formaldehyde, and two mols of ammonium hydrogen sulfide.

2,178,546
LOOSE-LEAF BINDER
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application March 23, 1938, Serial No. 197,540
4 Claims. (Cl. 129—24)



1. A binder comprising prong carrying toggle bars and a closer arched over the top of said toggle bars and having hooked engagement over the end of said toggle bars at one end of said binder, said bars being of reduced width where said closer arches over the same and said closer having fulcrum extensions projecting laterally from the arched portion of the same.

2,178,547
CENTRIFUGAL SEPARATOR
Curt Roger Adolf Magnus Björnstjerna, Djursholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application June 9, 1937, Serial No. 147,244
In Sweden June 26, 1936
3 Claims. (Cl. 233—20)



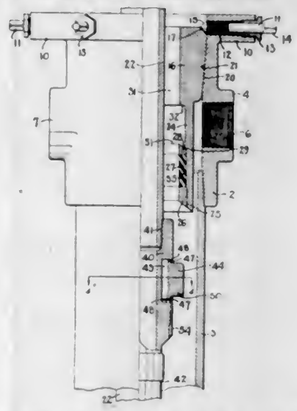
1. A centrifugal separator including a bowl comprising an axially fixed wall member and an axially movable wall member having peripheral engaging portions and shaped to provide a separating chamber having a sludge space adjacent the peripheral engaging portions and arranged to be closed by their engagement, and means for axially moving the movable wall member to effect opening and closing of the sludge space, said means comprising an annular skirt extending axially from the side of the movable member exteriorly of the bowl, a fixed wall member engaging the annular skirt and forming therewith a pressure chamber, and means for introducing fluid into said pressure chamber to control movement of the movable wall member.

2,178,548
RESISTOR
Knox C. Black, Mountain Lakes, N. J., and Royer R. Blair, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 17, 1936, Serial No. 59,518
5 Claims. (Cl. 201—76)



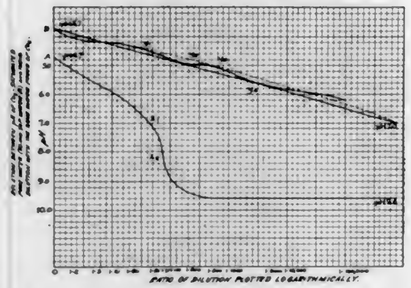
2. The process of making a resistor which comprises welding terminal conductors to the ends of a length of fine silver wire, introducing said wire into a heated chamber of sulphur vapor to convert it to silver sulphide, drawing said wire and its terminal conductors into a capillary glass tube, placing a heating coil about the exterior of said tube, and mounting the unit thus formed in an evacuated envelope.

2,178,549
TUBING HANGER
Harold C. Block, Houston, Tex., assignor to Leslie A. Layne, Houston, Tex.
Application February 20, 1937, Serial No. 126,801
5 Claims. (Cl. 285—22)



1. A combination tubing and tubing hanger assembly for wells comprising a well head, a tubing hanger to be disposed in said head, a skirt on said hanger, spaced shoulders inside of said skirt, a sealing member between said shoulders, a bearing member on said sealing member, a tubing, an expansible support member thereon which is adapted to seat on said bearing member, and means on the tubing to be engaged by said seal member when the tubing is supported on said bearing member by said expansible support member.

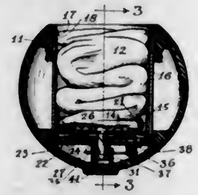
2,178,550
METHOD OF DETERMINING pH AND BUFFERS AND INDICATORS THEREFOR
Solomon F. Acree, Washington, D. C.
Application May 2, 1929, Serial No. 359,930
Renewed January 14, 1939
10 Claims. (Cl. 23—230)



2. A sterile buffer standard adjusted in pH value and in concentration which has a CO_2 content such that it is in equilibrium with the CO_2 of the atmosphere.

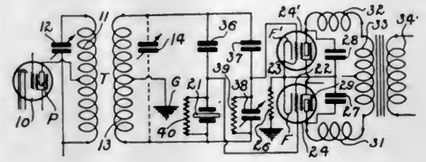
9. A process of preparing a series of indicators standardized as to pH and chosen concentration without added buffers which consists in adding to chosen concentrations of said indicators having useful colorimetric pH ranges between pH 0 to pH 14 the requisite amounts of standard alkali or acid and making comparisons thereof in thin layers by Beer's law against pH color standards to form a series of indicator standards varying from pH 0 to pH 14 by definite predetermined small increments.

2,178,551
AERIAL TOY
August E. Almgren, Hillside, N. J.
Application November 18, 1938, Serial No. 241,170
5 Claims. (Cl. 46—86)



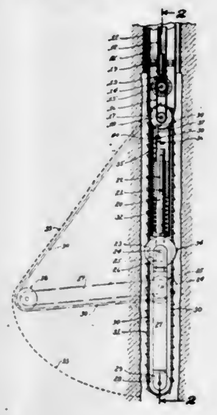
1. A toy parachute comprising a housing having an open end which remains open at all times, a collapsible bag, a cylinder secured in said housing with an open end at the opening in said housing, said cylinder being adapted to fully contain said bag when collapsed to condition the parachute to be thrown aloft, a piston slidably mounted in said cylinder and secured to said bag by cords, said piston having a depressed position out of the way of said collapsed bag when the latter is fully contained in said cylinder, means for holding said piston in its depressed position to permit said collapsed bag to remain fully within said cylinder and inside of the mouth of said housing opening, and means for moving said piston from its depressed position into a position at the open mouth of said cylinder while ejecting said bag from its housing and out through the open end of the housing so that it will open and provide for slow descent of the parachute.

2,178,552
RADIO RECEIVING CIRCUITS
George K. Barger and Siegfried Hansen, Seattle, Wash.
Application April 22, 1936, Serial No. 75,840
7 Claims. (Cl. 250—20)



1. In a system for receiving and demodulating waves modulated in amplitude, a method comprising selecting from the received signal energy a portion, reversing the phase of the carrier of said portion with respect to its original phase while leaving the phase of the side-bands unaltered, thereby reversing the phase of the envelope of said portion, separately demodulating said portion and an equal portion of the received signal energy, and combining in opposition the two demodulated portions.

2,178,553
WELL SLOTTER
Clifford P. Bowie, Berkeley, Calif.
Application May 17, 1937, Serial No. 142,953
9 Claims. (Cl. 255—1)

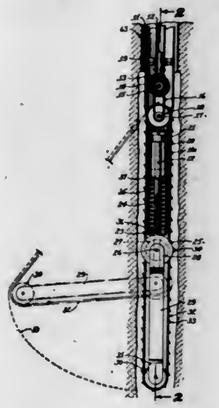


1. A well slotter comprising a body capable of being lowered into a well, a flexible endless cutter carried by said body, said cutter having two substantially vertical runs, means for moving said cutter, and means for spreading said runs apart to cause said cutter to cut a slot in the wall of the well.

2,178,554
WELL SLOTTER
Clifford P. Bowie, Berkeley, Calif.
Application January 26, 1938, Serial No. 187,021
5 Claims. (Cl. 255—1)

1. A well slotter comprising a body capable of being lowered into a well, a movable cutter carried thereby, means for continuously driving said cutter, fluid pressure actuated means for extending and retracting said cutter, said extending and retracting means operating independently of said

cutter driving means, locking mechanism for holding said cutter in retracted position, and



fluid pressure actuated means for operating said locking mechanism.

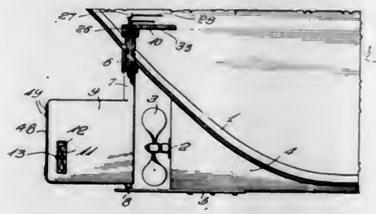
2,178,555

SAFETY MECHANISM FOR IMPROVING THE DIRIGIBILITY OF SHIPS, SUBMARINES, AND AIRCRAFT

Henry C. Briggs, Brooklyn, N. Y.

Application October 10, 1936, Serial No. 105,112

11 Claims. (Cl. 115—35)



2. Mechanism for controlling the movement of vessels comprising a hollow rudder, means connected with said rudder for angularly adjusting said rudder in selected vertical planes, a laterally extending housing in said rudder, a propeller, means for rotatably mounting said propeller within said housing, means for driving said propeller and means operative through said first mentioned means for adjusting the plane of operation of said propeller through both vertical and horizontal positions.

2,178,556

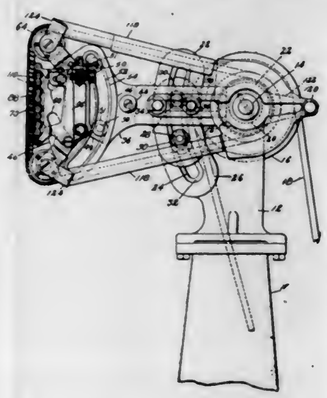
MACHINE FOR OPERATING ON SHOES

Charles G. Brostrom, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application September 29, 1937, Serial No. 166,355

17 Claims. (Cl. 12—29)

1. A channel laying machine comprising a driven flexible tool engageable with a channel lip to lay the lip, and a relatively stationary freely



flexible backing member constructed and arranged to afford positive support to said lip-laying tool against the pressure of the work.

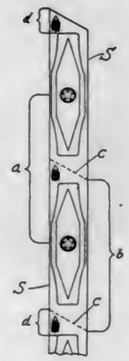
2,178,557

TEAR STRIP BAND

Herbert A. Burns, Forest Hills, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application June 19, 1936, Serial No. 86,120

6 Claims. (Cl. 40—21)



1. A web of material having cigar bands simulated by a positive imprint thereon at equal intervals to extend lengthwise of the web, the length of the simulated cigar bands being sufficient to encircle the cigar with the ends thereof in lapped relation and the spaces between said simulated cigar bands being sufficient to provide a tearing tab upon severing the web with a line of cut extending obliquely from a portion coextensive with one cigar band to a portion coextensive with an adjacent cigar band, said spaces being provided with indicia disposed to lie on the tapered tab resulting from said oblique severance of the web and designating that the tab may be grasped and pulled.

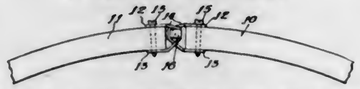
2,178,558

BELT

Pierre A. Cady, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

Application September 6, 1938, Serial No. 228,589

10 Claims. (Cl. 74—233)



1. A belt having a reinforced end structure adapted to be engaged by connecting means, the said belt comprising a core formed of a plurality of plies of fibrous material and rubber, the number of said plies of fibrous material being increased adjacent the ends of the belt.

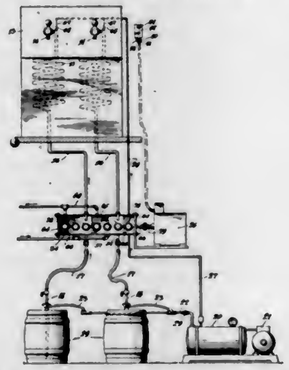
2,178,559

FLUID DISPENSING SYSTEM

Abraham Cohen, Brooklyn, Reginald H. T. Morgan, West Nyack, and Jack Goldstein, Flushing, N. Y., assignors to Beer Control Systems, Inc., New York, N. Y., a corporation of New York

Application June 12, 1937, Serial No. 147,882

6 Claims. (Cl. 225—12)



1. In a beer dispensing system, the combination comprising beer dispensing means, a beer supply, means supplying gas under pressure to said beer supply, a beer valve, a conduit communicating between said supply and the inlet side of said valve, another conduit communicating between the outlet side of said valve and said dispensing means, a water valve, a conduit communicating with the inlet side of said water valve for supplying water under pressure thereto, a drain valve, a drain conduit connected to the outlet side of said drain valve, a passage communicating between the inlet side of said drain valve, the outlet side of said water valve and the outlet side of said beer valve, a gas supply under pressure greater than the pressure of the gas supplied to the beer supply, a conduit communicating between said gas supply and said beer conduit adjacent said beer dispensing means, a valve in said gas conduit, cams mounted upon a cam shaft for operating said valves in a predetermined manner whereby said beer valve is maintained open as said gas valve is opened to force the beer in said beer conduits to return to said beer supply, then both valves are closed and thereafter said water valve is opened to fill the conduit between said beer valve and dispensing means with water during one-half revolution of said cam shaft and said water valve is closed as said drain valve and said gas valves are opened, then both said drain and gas valves closed and thereafter said beer valve is opened during the other half revolution of said cam shaft, an electrical motor geared to said cam shaft, a circuit to supply current to said motor, means to break said circuit when said cam shaft has rotated each half revolution, and a switch to reestablish said circuit.

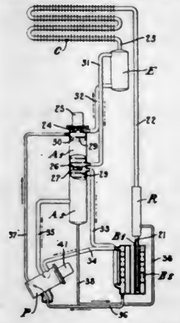
2,178,560

ABSORPTION REFRIGERATING SYSTEM

Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application November 13, 1935, Serial No. 49,449

30 Claims. (Cl. 62—119.5)



1. Compound absorption refrigerating apparatus using inert gas and including an evaporator, an absorber, an inert gas charged boiler and means for circulating the inert gas in a circuit through said evaporator, boiler and absorber with more inert gas passing through the evaporator than through the gas charged boiler, the arrangement being such that refrigerant is added to the inert gas in the evaporator, more refrigerant added to the inert gas in the boiler, and the refrigerant added to the inert gas both in the evaporator and boiler removed therefrom in the absorber.

11. The method of producing refrigeration in an absorption refrigeration system of the type using a refrigerant, an absorbent therefor, and a pressure equalizing medium comprising applying heat to two bodies of rich absorbent in liquid communication, condensing the refrigerant liberated by one of said bodies, allowing said refrigerant to evaporate into a pressure equalizing medium to produce refrigeration, conveying the mixture thus formed into contact with said second body of absorbent whereby additional refrigerant is liberated and conducting the newly formed mixture into intimate contact with lean absorbent derived from at least one of said bodies whereby the refrigerant is absorbed.

2,178,561

ABSORPTION REFRIGERATING APPARATUS

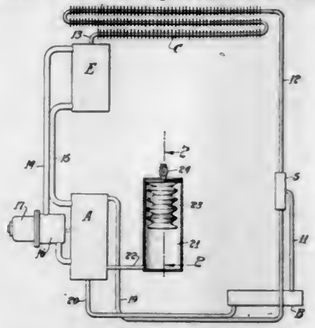
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application August 8, 1936, Serial No. 94,940

13 Claims. (Cl. 62—5)

1. The combination with a continuous absorption refrigerating system using an inert gas of means for regulating the pressure therein in accordance with temperature conditions, said means

including a pressure vessel connected to a part of said system and an expansible element in the



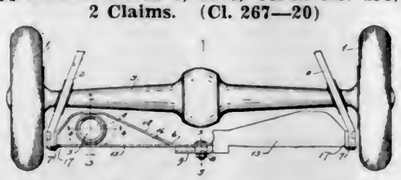
pressure vessel for varying the volume therein in response to temperature conditions.

2,178,562

SPRING DEVICE FOR VEHICLES

Truitt Vesta Cox and William McCormick Neale, Greensboro, N. C., assignors of one-third to Albert H. Thaeler, Greensboro, N. C.

Application March 3, 1938, Serial No. 193,768
2 Claims. (Cl. 267—20)



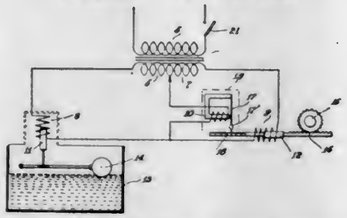
1. A spring for vehicles, comprising a frame, a plurality of arms, said arms being channel-shaped with upwardly directed flanges, radial arms, elastic means between the same, radius rods, and connections between the flanged arms and radius rods.

2,178,563

REMOTE INDICATING SYSTEM

Charles Oliver Cressy, East Providence, R. I.

Application January 22, 1938, Serial No. 186,323
5 Claims. (Cl. 177—351)



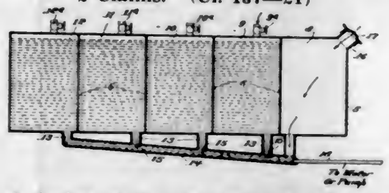
1. A remote indicating system comprising a transformer having a primary coil fed by alternating current an equally divided secondary and two connected branch circuits each including a variable reactance and one half of the secondary, an electromagnetic device having a coil connected in both branch circuits and a tuned reed vibrated thereby when the circuits are out of balance, means for adjusting one reactance so as to stop the vibration of the reed, and a scale movably connected to said adjusting means, said reed being visible adjacent said scale when said bridge circuit is balanced.

2,178,564

FUEL SUPPLY TANK

Fred B. Crocker, Fostoria, Ohio

Application October 11, 1938, Serial No. 234,471
2 Claims. (Cl. 137—21)



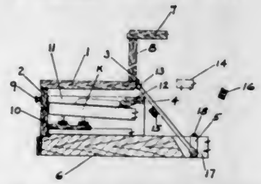
1. A device of the character described, comprising, a tank provided with a plurality of spaced partitions dividing said tank into fuel storage compartments having sealed top and bottom walls and a permanently vented filler compartment, a vent valve in said top wall of each storage compartment, a fuel outlet connection in the bottom wall of each of said compartments, and a fuel supply pipe connected to said outlet connections and coacting with the latter to drain said storage compartments of fuel in successive order when said valves are closed and said filler compartment has been advancedly drained.

2,178,565

PIANO FALL-BOARD

Wilbur M. Day, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio

Application December 10, 1937, Serial No. 179,163
8 Claims. (Cl. 84—179)



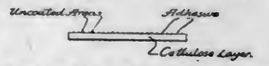
1. In combination in a musical instrument, a horizontal keyboard, stationary pivoting means located considerably below the level of said keyboard and considerably behind the front playable portion thereof, a fall-board comprising essentially a rigid member of sufficient extent to cover said keyboard front portion and disposed horizontally over said portion, pivoting means secured to said fall-board considerably in front of said first mentioned pivoting means, and arms pivotally connected to said first mentioned means and extending therefrom to pivotal connections with said second mentioned means, whereby said fall-board, in exposing said keyboard front portion, describes a rearward and upward translatory movement.

2,178,566

PROCESS OF GLUING POROUS MATERIALS

Theodore Williams Dike and Harry Galber, Seattle, Wash., assignors to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington

Application August 11, 1936, Serial No. 95,460
15 Claims. (Cl. 144—309)



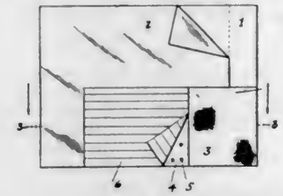
1. As a new means for gluing plies, a semi-fluid aqueous alkaline oilseed residue proteinous adhesive characterized physically by a No. 18 wire MacMichael viscosity between 10 and 90, said adhesive being substantially free of self flow.

2,178,567

HAIR WAVING PAD

Ralph Liggett Evans, New York, and Everett Goodrich McDonough, Yonkers, N. Y.

Application January 27, 1936, Serial No. 61,074
15 Claims. (Cl. 132—36.2)



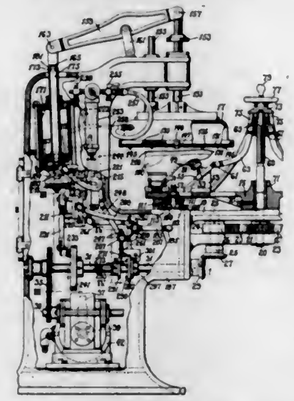
1. In a combination Croquignole and spiral pad construction, a wrapper comprising a sheet of non-absorbent material folded over on itself to form an inner and outer sheet, a sheet of heat conducting material attached to said inner sheet; an envelope having a perforated face and containing exothermic material, separate from said wrapper and said sheet of heat conducting material; and a separate absorbent sheet adapted to be wetted and superposed upon the perforated face of said envelope.

2,178,568

SOLE PRESSING MACHINE

Leo F. Exley, Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Original application May 28, 1936, Serial No. 82,290. Divided and this application March 28, 1938, Serial No. 198,397
9 Claims. (Cl. 12—123)



1. A machine for automatically operating successively upon lasted shoes having, in combination, a carrier, a plurality of jacks carried thereby, said jacks comprising a plurality of adjustable toe-rests and a plurality of adjustable heel-rests and a single member manipulation of which adjusts the toe-rests with respect to the heel-rests.

2,178,569

FOOD PRODUCT

Llewellyn R. Ferguson, Le Roy, N. Y., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 22, 1934, Serial No. 741,016. Renewed February 9, 1938
22 Claims. (Cl. 99—130)

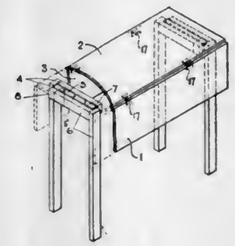
1. A gelatin food product comprising a flavored sugarless mixture containing gelatin, fruit acid, and an acid salt of the group consisting of sodium, potassium and ammonium salts of fruit acids the gelatin, acid and salt being within the approximate proportions of 7.0 to 12.0 grams gelatin, 0.0 to 1.5 grams acid, and 7.5 to 3.5 grams salt.

2,178,570

TABLE CONSTRUCTION

Morris W. Fichman, Bronx, N. Y.

Application October 17, 1936, Serial No. 106,081
4 Claims. (Cl. 311—63)



4. An expandable table construction comprising a central fixed table element and four legs, each comprising a vertical leg member and a swingable beam member carrying said leg member attached to the lower end portions of said central table element, and a pair of leaves horizontally attached to the sides of said central table element, said legs being adapted to be swung out to fit under the corners of said leaves when the table is extended, each of said swingable beam members carrying a cap completely enclosing the end of the beam member away from said leg member, said cap carrying a hinge mount at the point of attachment to the central table element.

2,178,571

ALKYL HYDROXY AROMATIC COMPOUNDS

Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Original application July 31, 1934, Serial No. 737,777. Divided and this application July 30, 1936, Serial No. 93,519
29 Claims. (Cl. 260—624)

1. A mixture of alkyl hydroxy aromatic compounds of the type AHR which mixture is obtainable by the halogenation of a petroleum distillate consisting predominantly of saturated aliphatic hydrocarbons, to form mixed alkyl halides, and conversion of a hydroxy aromatic compound of the type AH to a mixture of alkyl hydroxy aromatic compounds of the type AHR by a process including reaction thereof with resulting mixed alkyl halides; A representing an aromatic nucleus, H representing a nuclear hydroxyl group, and R representing an alkyl group containing at least 12 carbon atoms.

2,178,572
DETACHABLE CONNECTION
William Forstner, East Orange, N. J., assignor to Forstner Chain Corporation, a corporation of New Jersey
Application February 18, 1937, Serial No. 126,458
3 Claims. (Cl. 24—230)



1. In a detachable connection, a section having a housing, said housing having a catch opening, a cover pivoted to said section and extending over said housing, the free end of said cover being rounded, a second section having a spring tongue, one end of said second section forming a roll, said spring tongue having a latch projecting therefrom, said latch extending into said catch opening and said cover detachably engaging said roll when said spring tongue is seated in said housing.

2,178,573
MAGNESIUM ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 23, 1936, Serial No. 112,288
3 Claims. (Cl. 75—168)

1. A magnesium-base alloy containing about 0.3 per cent to 12 per cent of silver, and from about 0.5 per cent to 12 per cent of aluminum, and from about 0.1 per cent to 0.5 per cent of manganese, the balance being magnesium.

2,178,574
MAGNESIUM BASE ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 13, 1937, Serial No. 120,426
2 Claims. (Cl. 75—168)

1. An alloy consisting of from about 0.5 per cent to 15 per cent of copper and from about 0.5 per cent to 20 per cent of lead, the balance being magnesium.

2,178,575
MAGNESIUM BASE ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application January 13, 1937, Serial No. 120,426. Divided and this application March 15, 1939, Serial No. 262,029
2 Claims. (Cl. 75—168)

1. An alloy containing from about 0.5 per cent to 15 per cent of copper, from about 0.5 per cent to 20 per cent of lead, and from about 0.5 per cent to 12 per cent of tin, the balance being magnesium.

2,178,576
MAGNESIUM BASE ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application January 13, 1937, Serial No. 120,426. Divided and this application March 15, 1939, Serial No. 262,030
2 Claims. (Cl. 75—168)

1. An alloy containing from about 0.5 per cent to 15 per cent of copper, from about 0.5 per cent to 20 per cent of lead, and from about 0.5 per cent to 10 per cent of zinc, the balance being magnesium.

2,178,577
MAGNESIUM BASE ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application January 13, 1937, Serial No. 120,426. Divided and this application March 15, 1939, Serial No. 262,031
2 Claims. (Cl. 75—168)

1. An alloy containing from about 0.5 per cent to 15 per cent of copper, from about 0.5 per cent to 20 per cent of lead, from about 0.5 per cent to 10 per cent of tin, and from about 0.5 per cent to 10 per cent of zinc, the balance being magnesium.

2,178,578
MAGNESIUM ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application November 23, 1936, Serial No. 112,288. Divided and this application August 7, 1939, Serial No. 288,768
3 Claims. (Cl. 75—168)

1. A magnesium base alloy comprising from 0.3 to 12 per cent of silver and from 0.1 to 2 per cent of manganese, the balance being magnesium.

2,178,579
MAGNESIUM ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application November 23, 1936, Serial No. 112,288. Divided and this application August 7, 1939, Serial No. 288,769
3 Claims. (Cl. 75—168)

1. A magnesium base alloy comprising from 0.3 to 12 per cent of silver and from 0.5 to 8 per cent of zinc, the balance being magnesium.

2,178,580
MAGNESIUM ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application November 23, 1936, Serial No. 112,288. Divided and this application August 7, 1939, Serial No. 288,770
3 Claims. (Cl. 75—168)

1. A magnesium base alloy comprising from 0.3 to 12 per cent of silver, from 0.1 to 2 per cent of manganese and from 0.5 to 8 per cent of zinc, the balance being magnesium.

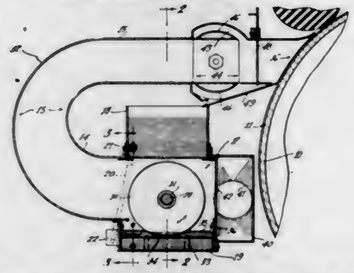
2,178,581
MAGNESIUM ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application November 23, 1936, Serial No. 112,288. Divided and this application August 7, 1939, Serial No. 288,771
3 Claims. (Cl. 75—168)

1. A magnesium base alloy comprising from 0.3 to 12 per cent of silver, from 0.5 to 12 per cent of aluminum, and from 0.5 to 8 per cent of zinc, the balance being magnesium.

2,178,582
MAGNESIUM ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application November 23, 1936, Serial No. 112,288. Divided and this application August 7, 1939, Serial No. 288,772
3 Claims. (Cl. 75—168)

1. A magnesium base alloy comprising from 0.3 to 12 per cent of silver, from 0.5 to 12 per cent of aluminum, from 0.1 to 1 per cent of manganese, and from 0.5 to 8 per cent of zinc, the balance being magnesium.

2,178,583
DAMPENER FOR PRINTING PRESSES
Elmer C. Grembecki, Chicago, Ill., assignor to Roberts & Porter, Inc., Chicago, Ill., a corporation of Illinois
Application July 10, 1937, Serial No. 152,927
22 Claims. (Cl. 101—147)



1. Dampening mechanism for printing presses and the like and comprising a closed housing having an opening arranged in confrontation with a printing plate, a water chamber in said housing at a point remote from said opening, the bottom of said chamber providing a trough, means for maintaining a determined level of water in said trough, power driven means in said chamber and in contact with the water in said trough for removing water from said trough and discharging the same into space in said chamber, together with means for directing air into said chamber and past said power driven means toward said opening in the housing.

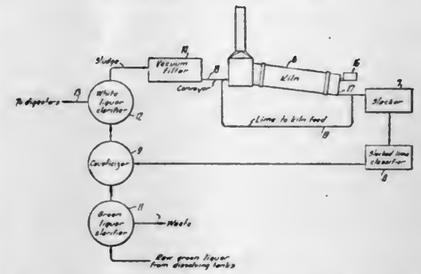
2,178,584
MANUFACTURE OF DIOLEFINS
Aristid V. Grosse, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 30, 1937, Serial No. 177,282
10 Claims. (Cl. 260—680)

1. A process for converting mono-olefins having less than six carbon atoms in straight chain arrangement into diolefins which comprises subjecting the mono-olefin under dehydrogenating conditions to the action of a solid catalyst comprising a compound of a metal from the left hand column of group VI of the periodic table and selected from the class consisting of chromium, molybdenum and tungsten.

2,178,585
MANUFACTURE OF PARA DIAZONIUM TERTIARY AMINES
Walker M. Hinman, Winnetka, and Walter G. Hollmann, Chicago, Ill.
No Drawing. Application March 15, 1937, Serial No. 130,866. Renewed February 6, 1939
20 Claims. (Cl. 260—141)

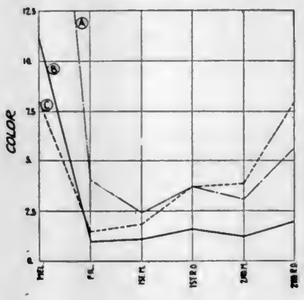
1. The process of treating a tertiary aromatic amine which has a free para position, and which has its nitrogen atom bearing one hydrocarbon radicle having at least 3 carbon atoms and another hydrocarbon radicle having at least 1 carbon atom which comprises subjecting the tertiary amine in the form of an amine salt thereof in an acid medium to the action of nitrous acid sufficient for the reaction of 1 mol of tertiary amine with 4 mols of nitrous acid, whereby a para diazonium salt of said tertiary amine is formed.

2,178,586
RECOVERY OF LIME SLUDGE
Herman L. Joachim, San Francisco, Calif.
Application February 21, 1938, Serial No. 191,837
6 Claims. (Cl. 23—186)



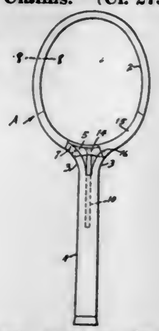
4. The improvement in conversion, by calcination, of a wet calcium carbonate sludge carrying about 50% water to calcium oxide which consists in adding about 10% by weight of calcium oxide to the wet sludge to bulk and preheat the sludge upon hydration of the oxide by the wet sludge.

2,178,587
DECOLORIZING SUGAR SOLUTIONS
Hans O. Kauffmann, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
Application February 17, 1936, Serial No. 64,405
4 Claims. (Cl. 127—64)



3. The method of decolorizing sugar which comprises preparing an aqueous solution of affinated sugar of high sugar content, treating the solution at a moderately elevated temperature with a hypochlorite and a precipitant in amounts sufficient to substantially decolorize the solution, agitating the solution in order to permit the decolorizing action to proceed and then adding an amount of hydrogen peroxide equivalent to about five times that required to dechlorinate the solution whereby color return in the solution is prevented.

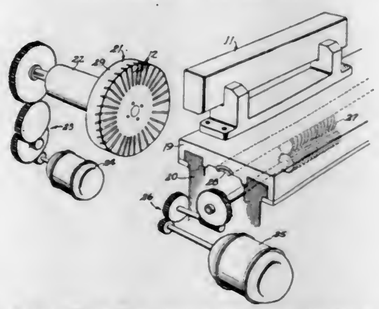
2,178,588
RACKET
Jacob L. Kleinman, New York, N. Y.
Application May 13, 1935, Serial No. 21,260
60 Claims. (Cl. 273—73)



1. In a racket, sections forming the frame, neck and handle structure, said frame provided with means adapted to receive a string, a wedge bridging said neck section, said wedge provided with an opening, a portion of said opening being enlarged, said handle having an opening within at least the upper portion thereof, said openings disposed longitudinally of the racket, a member positioned within said openings, said member provided with an enlarged portion, said enlarged portion positioned within the enlarged portion of said first mentioned opening and means for securing said member within said openings.

26. In a racket, sections forming the frame, neck and handle structure, a wedge bridging said neck section, said wedge and at least a portion of the upper section of said handle being provided with openings disposed longitudinally of the racket, a member positioned within said openings and means for holding said member safely within said openings.

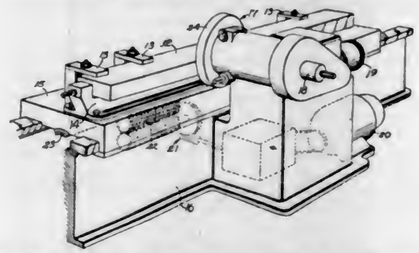
2,178,589
METHOD OF AND APPARATUS FOR FACE-MILLING
Charles E. Kraus, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application March 4, 1937, Serial No. 129,020
13 Claims. (Cl. 90—18)



1. A machine for removing metal from a work piece to form a plane surface thereon comprising, in combination, a rotary cutter head having a series of angularly spaced and radially extending cutting blades projecting from one end thereof and each having an inner end portion disposed in a plane perpendicular to the axis of said head and an outer portion inclined at a small angle to said plane, means for rotating said cutter head, means for supporting a piece of work with the plane of the rough work surface intersecting said outer edge portions and with the plane of said inner edge portions coinciding with the finished surface to be produced, and means for causing relative feeding movement between said cutter and a piece of work longitudinally of said finished surface at a continuous rate to effect removal of metal from the work piece in a succession of wide thin slices extending transversely of the direction of feed with one side edge terminating at the rough work surface and the opposite side edge tapering to convergence with the finished surface.

10. The method of face-milling which comprises relatively feeding the work and a series of cutting edges longitudinally of the work surface to be produced and during such feeding revolving said edges about an axis perpendicular to said surface to remove all metal in the path of said edges down to the final finished surface by cutting off successive thin slices of metal each having a maximum thickness less than one tenth of the feeding movement per cutting edge and tapering at one edge to a point of intersection with the rough work surface and at the opposite edge to coincidence with said finished surface.

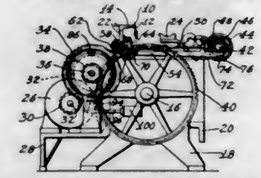
2,178,590
METHOD OF AND APPARATUS FOR SURFACING METAL WORKPIECES
Charles E. Kraus, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application March 27, 1937, Serial No. 133,346
17 Claims. (Cl. 90—18)



1. A machine for removing metal from a workpiece to form a plane surface thereon comprising, in combination, a cutter head having a series of concentric circular cutting edges disposed in planes approximately parallel to the plane of the desired final work surface and positioned progressively along the axis of said head, the radius of the innermost cutting edge being greater than the width of said final work surface, means for rotating said cutter head, and means for causing relative feeding movement between said head and the workpiece in a direction parallel to the plane of said final surface and along a path offset from the cutter axis and within the radius of said innermost edge whereby to remove all of the metal in the path of said edges in the form of thin slices of metal down to the final work surface determined by said innermost edge.

8. A method of removing metal from a workpiece to form a plane surface thereon comprising the steps of rotating a series of concentric circular edges disposed in progressively spaced axial planes, supporting a workpiece with the innermost edge coincident with the plane of the desired final work surface and the other edges intersecting the surface layer of the rough workpiece, and causing relative feeding movement between the positioned workpiece and said rotating edges to effect removal from the work of thin slices of metal progressively from the outer face of the work toward said final surface.

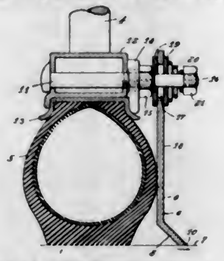
2,178,591
KNITTING MACHINE
Karl Richard Lieberknecht, Oberlungwitz, Germany, assignor to Kallo, Inc., New York, N. Y., a corporation of New York
Application August 20, 1937, Serial No. 160,098
In Germany August 28, 1936
15 Claims. (Cl. 66—82)



11. Driving and control mechanism for a flat knittting machine, which comprises power means for driving the machine, a manually rotatable element for turning over the machine, connections independent of said power means for connecting said control element to manually turn over the machine, and means for disconnecting said element to render the same stationary when the machine is operated by power.

14. Driving and control mechanism for a flat knitting machine, which comprises power driving means for the machine, braking means for the machine, means acting when rendered operative to disconnect said power driving means and to apply said braking means to stop the machine, said acting means being operative to release the brake when the machine has stopped.

2,178,592
ANTISKID DEVICE
Walter E. Lincoln, Belvidere, Ill., assignor of one-half to Jeanne Laws, Rockford, Ill.
Application March 15, 1937, Serial No. 130,950
15 Claims. (Cl. 152—208)

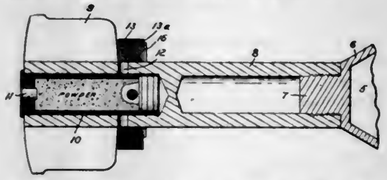


1. A non-skid attachment for a vehicle wheel having a tire thereon, comprising an annular antiskid blade of rigid, continuous ring construction, adapted to be loosely mounted on the wheel for movement radially with respect thereto alongside the tire so as to engage the road surface and having, in acute angle relationship to the substantially vertical plane of the blade, an annular outwardly extending marginal road surface engaging portion terminating in a continuous substantially circular peripheral cutting edge defined between the outer face of said road surface engaging portion and the peripheral surface of said portion which are in acute angle relationship to one another.

2,178,593
FOOD CONCENTRATE OF PAPAYA
Leroy Leon Matoush, New York, N. Y., assignor to Papaya Corporation of America, New York, N. Y., a corporation of New York
No Drawing. Application March 24, 1937, Serial No. 132,741. Renewed January 23, 1939
11 Claims. (Cl. 99—155)

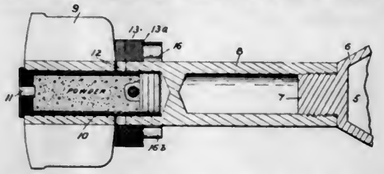
7. The method of producing a stabilized food product from papaya fruit consisting in separately crushing the fruit and seeds, extracting the fruit juice, treating the seeds with a weak acid and finally mixing the resulting liquor with the fruit juice.

2,178,594
HOLDER FOR DIVISIONAL PROPELLENT CHARGES
Edward J. McCormick, Spencer, N. C.
Application March 2, 1938, Serial No. 193,536
4 Claims. (Cl. 102—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a projectile of the type having a tubular member for carrying a propellent charge, a holder comprising a resilient wire member formed to provide a plurality of radially extending angularly related arms engageable with the charge and adapted to slidably receive said tubular member with sufficient friction to hold said charge in position relative to the tubular member.

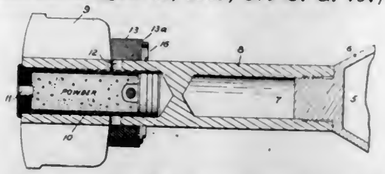
2,178,595
HOLDER FOR DIVISIONAL PROPELLENT CHARGES
Edward J. McCormick, Spencer, N. C.
Application March 2, 1938, Serial No. 193,537
3 Claims. (Cl. 102—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a projectile of the type having a tubular member provided to receive a propellent charge in surrounding relation, a holder adapted to retain the propellent charge in engagement with an abutment on the tubular member comprising, a resilient element, engageable with the end of said propellent charge remote from the abutment, having a pluraility of spaced relative elongated portions disposed in substantially the same plane, with each elongated portion having a part arranged on a circle of substantially the same diameter as said tubular member, and a radially outward extending loop joining the adjacent ends of each pair of said relative elongated portions; whereby the holder is adapted to slidingly engage the outside of the tubular member with sufficient

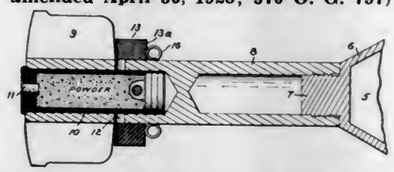
friction to hold propellent charges of different relative lengths axially of the tubular member in engagement with said abutment.

2,178,596
HOLDER FOR DIVISIONAL PROPELLENT CHARGES
Edward J. McCormick, Spencer, N. C.
Application March 2, 1938, Serial No. 193,538
1 Claim. (Cl. 102—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



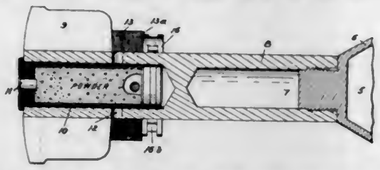
In a projectile of the type having a tubular member provided to receive a propellent charge in surrounding relation, a holder adapted to retain the propellent charge in engagement with an abutment on the tubular member comprising, a resilient element, engageable with the end of said propellent charge remote from the abutment, having a plurality of radially extending similarly looped portions disposed in substantially the same plane in circumferentially spaced relation, with their inner peripheral portions on a circle of substantially the same diameter as said tubular member and joined at their outer peripheral portions by arcuate shaped elements disposed on a circle substantially in concentric relation with said first named circle; whereby the holder is adapted to slidingly engage the outside of the tubular member with sufficient friction to hold propellent charges of different relative lengths axially of the tubular member in engagement with said abutment.

2,178,597
HOLDER FOR DIVISIONAL PROPELLENT CHARGES
Edward J. McCormick, Spencer, N. C.
Application March 2, 1938, Serial No. 193,539
1 Claim. (Cl. 102—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



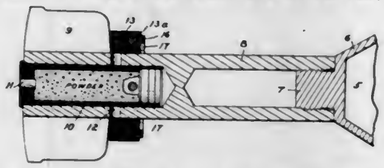
In a projectile of the type having a tubular member provided to receive a propellent charge in surrounding relation and in engagement with an abutment thereon, a holder adapted to be interposed between the body of the projectile and abutment to retain the propellent charge in engagement with the abutment comprising a helically wound wire spring of such length as to form an annulus adapted to frictionally receive the outside of said tubular member and having its ends joined to form said annulus; whereby the holder is adapted to slidingly engage the outside of the tubular member in contacting relation with the end of the propellent charge remote from the abutment with sufficient friction to hold propellent charges of different relative lengths axially of the tubular member in engagement with said abutment.

2,178,598
HOLDER FOR DIVISIONAL PROPELLENT CHARGES
Edward J. McCormick, Spencer, N. C.
Application March 2, 1938, Serial No. 193,540
1 Claim. (Cl. 102—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



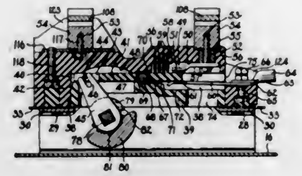
In a projectile of the type having a tubular member provided to receive a propellent charge in surrounding relation and in engagement with an abutment thereon, a holder adapted to be interposed between the body of the projectile and abutment to retain the propellent charge in engagement with the abutment comprising a metal resilient circular band provided with a plurality of circumferentially spaced fingers extending inwardly from said band, the inner ends of said fingers defining a circle of substantially smaller diameter than the diameter of said band and of such diameter relative to the tubular member that said fingers are adapted to resiliently engage the outside of the latter; whereby the holder is adapted to engage the outside of the tubular member in contacting relation with the end of the propellent charge remote from the abutment with sufficient friction to hold propellent charges of different relative lengths axially of the tubular member in engagement with said abutment.

2,178,599
HOLDER FOR DIVISIONAL PROPELLENT CHARGES
Edward J. McCormick, Spencer, N. C.
Application March 2, 1938, Serial No. 193,541
4 Claims. (Cl. 102—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a projectile of the type provided with a tubular member having an abutment for holding a propellent charge affixed thereto against axial movement in one direction, means for holding said propellent charge against axial movement in the opposite direction comprising a substantially completely combustible annular holder provided with tabs the free ends of said tabs defining a circle of such diameter relative to the tubular, radial extending member as to receive said tubular member with sufficient friction to normally resist movement; whereby said annular holder may be engaged with the end of the propellent charge remote from the abutment to prevent said axial movement in the opposite direction.

2,178,600
SAFETY SWITCH
Ralph A. Millermaster, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 6, 1937, Serial No. 152,029
20 Claims. (Cl. 200—76)



1. In an electric switch, in combination, a molded insulating base having a recess formed therein and opening to the lower surface thereof, a flat member of insulating material slidably positioned within said recess and having its movements guided in part by the walls of said recess, a member underlying said recess to assist in guiding the movements of said insulating member, a pair of upper and lower stationary contacts between which said insulating member is interposed in all positions of the latter, said insulating member having an opening therein intermediate the ends thereof, a bridging contactor positioned within said opening and having portions thereof projecting a substantial distance beyond each surface of said insulating member, said contactor being movable by said insulating member into and out of engagement with said contacts jointly, a crank arm, means providing a driving connection between said crank arm and said insulating member adjacent to the end of the latter remote from said contacts, a rotatable shaft positioned under said insulating base and having a positive driving connection with said crank arm, a metal housing having bottom, side and end walls and an openable cover, said switch being positioned within said housing and secured to the bottom wall of the latter, a manually operable handle rotatably attached to a side wall of said housing and accessible from the exterior of the latter, and means providing a releasable interlocking connection between said handle and said shaft, said last mentioned means including cooperating spring means and latch means for jointly insuring snap movement of said shaft from each extreme position thereof to the other.

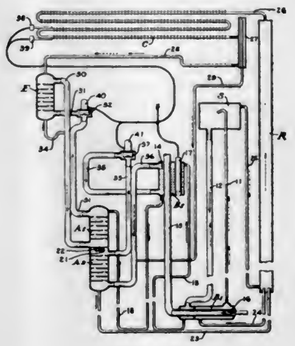
2,178,601
MANUFACTURE OF DIOLEFINS
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 30, 1937, Serial No. 177,280
8 Claims. (Cl. 260—680)

4. A process for converting mono-olefins having less than six carbon atoms in straight chain arrangement into diolefins which comprises subjecting the mono-olefin under dehydrogenating conditions to the action of a solid catalyst comprising a compound of a metal from the lefthand column of group IV of the periodic table and selected from the class consisting of titanium, zirconium, cerium, hafnium and thorium.

2,178,602
MANUFACTURE OF DIOLEFINS
Jacque C. Morrell and Aristid V. Grosse, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 30, 1937, Serial No. 177,281
8 Claims. (Cl. 260—680)

4. A process for converting mono-olefins having less than six carbon atoms in straight chain arrangement into diolefins which comprises subjecting the mono-olefin under dehydrogenating conditions to the action of a solid catalyst comprising a compound of metal from the left hand column of group V of the periodic table and selected from the class consisting of vanadium, columbium and tantalum.

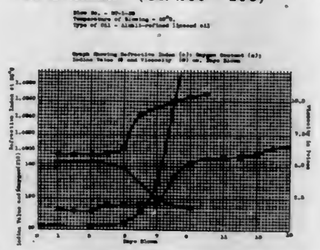
2,178,603
ABSORPTION REFRIGERATING APPARATUS
Rudolph S. Nelson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 24, 1935, Serial No. 37,711
23 Claims. (Cl. 62—119.5)



2. In an absorption refrigerating system, a compound boiler and means for varying the temperature of a part of said compound boiler to regulate the total pressure in the system, the means for regulating the temperature of said part being responsive to operating conditions of said system.

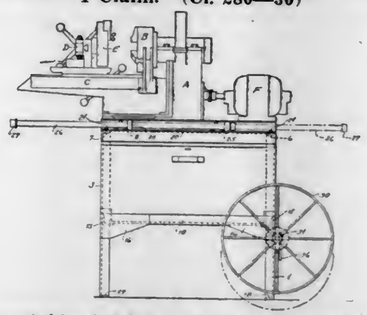
9. That method of producing refrigeration by the aid of an air cooled absorption system charged with a refrigerant, an absorbent therefor, and a pressure equalizing medium which includes increasing the total pressure of the system in response to increased ambient temperature, and simultaneously decreasing the concentration of the refrigerant-absorbent solution in a refrigerant absorbing zone thereof without materially affecting the concentration in a refrigerant vaporizing zone.

2,178,604
DRYING OIL AND METHOD OF PREPARING SAME
Izador J. Novak, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application July 31, 1936, Serial No. 93,617
12 Claims. (Cl. 260—406)



1. As a new product, blown drying oil of the non-conjugated type having a conjugated system, insoluble in ethyl alcohol, soluble in petroleum solvents, and liquid at 25° C.

2,178,605
PORTABLE STAND
Robert B. Pealer, Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application May 24, 1937, Serial No. 144,375
1 Claim. (Cl. 280—30)

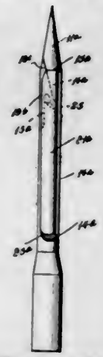


A portable stand having legs, a removable axle carrying a pair of wheels, means carried by the legs at one end to support the axle with the wheels above the floor, and also to engage the axle when the wheels are on the floor and the legs above the floor, whereby that end of the stand may rest on the legs or on the wheels as desired, and a pair of slidable rods adjacent the top of the stand adapted to project beyond it at either end.

2,178,606
PAPER MANUFACTURE
Joseph E. Plumstead, Wilmington, Del., assignor, by mesne assignments, to Raffold Process Corporation, Andover, Mass., a corporation of Massachusetts
No Drawing. Application July 11, 1933, Serial No. 679,994. Renewed February 1, 1939
9 Claims. (Cl. 92—21)

1. In a process of manufacturing paper filled with a filler comprising a substantially water-insoluble carbonate, the steps of bringing into substantially intimate contact materials comprising substantially water-insoluble carbonate and a copper compound selected from a group consisting of copper sulphate, copper chloride, copper nitrate and copper acetate, in the presence of water, whereby a reaction between the copper compound and said carbonate is effected, and adding the resulting material to fibrous material.

2,178,607
SELF-THREADING NEEDLE
Omer J. Rainville, South Attleboro, Mass., assignor to E. Z. I. Needle Co., Providence, R. I., a corporation of Rhode Island
Application July 27, 1937, Serial No. 156,017
5 Claims. (Cl. 112—224)



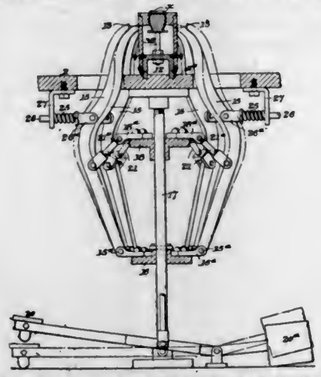
1. In a self-threading needle, a needle shank having a cut-away portion at one side, the needle having an eye portion including raised thread guide projections carried by the cut-away portion, said projections being integral with the cut-away portion and having pointed ends disposed inwardly of the opposite sides of the needle shank and overlapping each other to provide a thread guide groove extending at an acute angle to the longitudinal axis of the needle shank and a resilient arm overlying the cut-away portion and raised projections and engaged with said projections.

2,178,608
ALKYL GUAIACOLS
Roland R. Read, Kirkwood, Mo., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Original application October 10, 1932, Serial No. 637,199. Divided and this application April 17, 1937, Serial No. 137,479
4 Claims. (Cl. 260—613)

1. As new compounds alkyl guaiacols from the group consisting of secondary butyl guaiacol, secondary amyl guaiacol, secondary hexyl guaiacol, tertiary hexyl guaiacol and cyclohexyl guaiacol.

2,178,609
APPARATUS FOR LASTING SHOES
John Milton Rohrer, Orwigsburg, Pa.
Application October 10, 1938, Serial No. 234,320
9 Claims. (Cl. 12—7)

1. In a sectional mold for supporting a lasted upper, the combination of a plurality of pivotally mounted sections forming such mold, last conforming shoulders carried by said sections and together forming the outer contour of the lasted upper; certain of the last-conforming shoulders at the sides of the mold having portions overlying the instep of the lasted upper, means for holding said several sections in closed position around a lasted upper including pivotally mounted clamping levers, means for releasing said clamping members whereby the sections of the mold may be opened, and means whereby said side sections having the shoulders engaging the instep portion of the lasted upper may move to closing position in advance of the other sections;

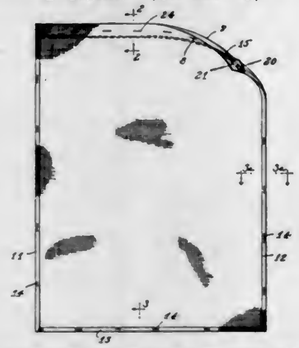


said latter means including slotted links operatively connecting said clamping levers to their actuating means and providing for lost motion between said clamping levers and their actuating means.

2,178,610
LUBRICANT
Paul Lawrence Salzberg, Carrcroft, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1937, Serial No. 150,324
14 Claims. (Cl. 87—9)

1. A lubricant comprising a lubricating oil having incorporated therein an ester of an acid of phosphorus containing at least one naphthenyl radical.

2,178,611
GNAW-PROOF CONTAINER
Conrad Scheidegger, Rockford, Ill.
Application July 6, 1937, Serial No. 151,972
1 Claim. (Cl. 150—3)

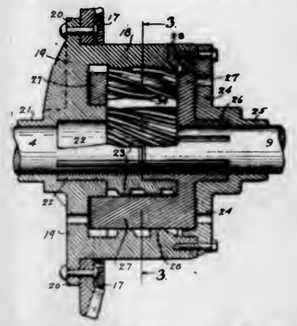


A gnaw-proof container suitable for storage of ear corn and the like comprising a generally rectangular body formed entirely of small gauge wire screen for flexibility and protection against rodents and the like, said container having an open mouth defined between unsecured edge portions of said wire screen material adapted to be spread open as permitted by the flexibility of the screen material, said edge portions of said screen material being folded inwardly for a substantial distance from the top of the container to form a double thickness at the mouth of the container adapted to form reinforcement seams, two "zipper" type fastener tapes of a substantial width received substantially their full width under the said folded edge portions and adapted to be secured in place in the closing of said seams, gnaw-proof means for closing said seams, and interlocking "zipper" fastener elements on said tapes detachably interlockable by a relatively slidable closing and opening cam, said "zipper" fastener device when closed being substantially non-accessible and safe against attack from rodents by reason of the bringing together into close relationship of the seamed edge portions of the container in the closing of the fastener and because of the depth at which the fastener is located in the mouth of the container.

2,178,612
PHOTOGRAPHIC SILVER HALIDE EMULSION LAYERS
Wilhelm Schneider and Max Hagedorn, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application July 15, 1936, Serial No. 90,726. In Germany July 16, 1935
7 Claims. (Cl. 95—6)

1. A photographic silver halide gelatin emulsion containing a dyestuff component fast to diffusion with respect to the gelatin, said dyestuff component being an amide of a color former with a highly polymeric carboxylic acid capable of forming a dye at the places of the silver image upon being contacted with a color forming developer.

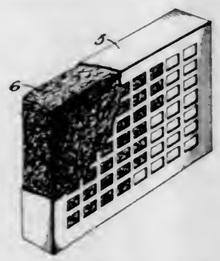
2,178,613
DIFFERENTIAL MECHANISM
Ferdinand W. Seeck, Lebanon, Oreg.
Application December 6, 1937, Serial No. 178,287
16 Claims. (Cl. 74—313)



1. A differential mechanism of the character described including a pair of axle shafts in axial alinement, a housing, an internal gear associated with the said housing and concentric with said axles, a pinion-carrying member rotatable within said housing and said internal gear and connected to one of said axles, a spur-gear rotatable within said member and connected to the other of said axles, the diameter of said spur-gear being one-half the diameter of the said internal gear, a plurality of sets of pinion gears in semi-planetary formation carried by said member, each of said sets including a pair of spaced

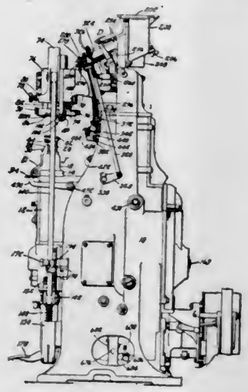
pinions meshing with said spur-gear and a floating pinion adapted to mesh with both of said first mentioned pinions and with said internal gear.

2,178,614
AIR FILTER
Games Slayter, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application April 10, 1933, Serial No. 665,262
Renewed January 24, 1939
1 Claim. (Cl. 252—2.5)



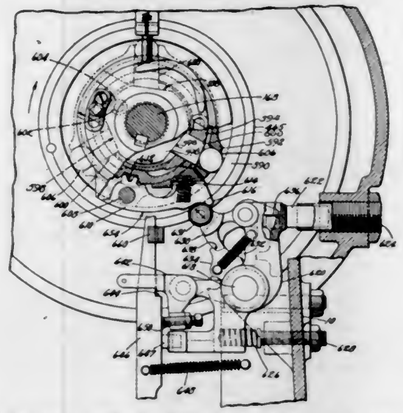
An air filter comprising a porous base of fibrous material, a viscous coating for said material comprising an oil, and a zinc soap mixed with the oil by which the dust-catching surfaces of the filter are greatly extended and made irregular and by which the oil is thickened, said coating having a consistency which prevents it from flowing at atmospheric temperatures.

2,178,615
FASTENING-INSERTING MACHINE
John F. Standish, Winthrop, and Lester S. Macdonald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Fleming, N. J., a corporation of New Jersey
Application May 28, 1937, Serial No. 145,320
125 Claims. (Cl. 1—32)



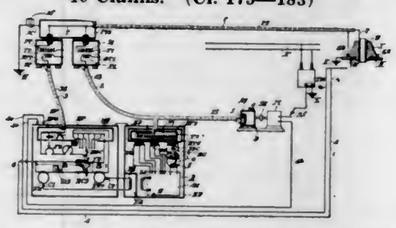
1. In a fastening-inserting machine, a frame, a pressure-head carried thereby, there being horizontal walls beneath the head furnishing ways with openings through the walls between their ends and into the ways, and a work-support for co-operation with the head, said work-support having projections arranged to pass through the wall-openings and to be received by the ways.

2,178,616
CLUTCH
John F. Standish, Winthrop, and Lester S. Macdonald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application May 28, 1937, Serial No. 145,320. Divided and this application October 1, 1937, Serial No. 166,863
15 Claims. (Cl. 192—149)



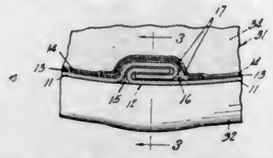
1. Clutch mechanism comprising a driving member and a driven member, a roll-cage and a wedge-cage situated between said members, rolls and co-operating wedges carried by the respective cages, each wedge having at its ends differently inclined faces and being reversible, there being a roll arranged for engagement with an inclined end of each wedge and with one of the members, the wedge-cage being secured to the other of said members, and an abutment member having a face with which the other inclined end of each wedge contacts.

2,178,617
METHOD OF AND APPARATUS FOR DETERMINING CHARACTERISTICS OF DIELECTRICS
Irving M. Stein, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 5, 1936. Serial No. 67,297
40 Claims. (Cl. 175—183)



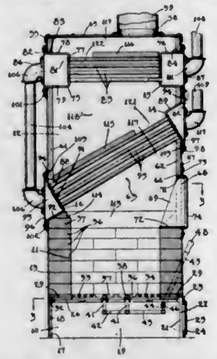
1. The method of determining, within an alternating field, an electrical characteristic of a dielectric, which comprises subjecting the dielectric to an alternating voltage of test frequency differing from the frequency of the alternating field, to produce a current of magnitude determined by the capacitance and conductance of the dielectric, passing all of said current through a condenser and the current due to said alternating field in series with said dielectric, and determining a characteristic of the dielectric by the magnitude of said current of test frequency only through said condenser.

2,178,618
CONTAINER
William E. Taylor, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 7, 1937, Serial No. 119,517
3 Claims. (Cl. 220—64)



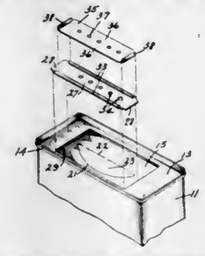
1. A can body for holding beer and other products, comprising a tubular sheet metal body united in an hermetically sealed side seam, said body having on its inner surface a hard baked prime coating of lining material with the exception of the opposite edges of the body blank which constitute the side seam, said edges being uncoated and constituting bare metal surfaces to permit said side seam to be hermetically sealed, said body having a longitudinal strip of lining material overlying said partially coated side seam to completely cover exposed portions of bare metal, said tubular body further having an oven dried final coating of lining material of substantially uniform thickness superposed over said prime coating and over the entire interior surface of the can body including the united side seam area, whereby to insure against contact and reaction of the can contents with any uncoated and exposed bare metal on the can interior.

2,178,619
TUBULAR BOILER
Arthur P. Victor, Minneapolis, Minn., assignor of one-half to Herman E. Victor, Minneapolis, Minn.
Application February 3, 1938, Serial No. 188,472
2 Claims. (Cl. 122—265)



1. In a boiler, a wall structure providing a heat exchange chamber and including front and rear walls, a manifold in said front wall near the upper portion thereof, a second manifold in the rear wall opposite said first manifold, a third manifold in said front wall disposed immediately below said first manifold and in juxtaposition with respect thereto, a fourth manifold in said rear wall disposed beneath said third manifold and spaced therefrom, said manifolds extending through said walls and into said heat exchange chamber, a bank of tubes between said first and second manifolds and extending in a substantially horizontal direction, a bank of tubes between said third and fourth manifolds and extending in an inclined direction, the aggregate cross sectional area of the tubes of both banks being substantially equal, a conduit connected to said second and fourth manifolds, an inlet directly connected to said first manifold and an outlet directly connected to said third manifold.

2,178,620
CONTAINER
Richard J. White, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 12, 1938, Serial No. 240,147
3 Claims. (Cl. 221—62)

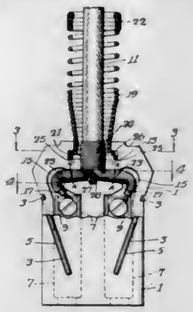


1. A dredge top can comprising a top end having a rectangular depression, score lines cut in the panel wall of said depression and setting off a removable part which when depressed by separation along said score lines opens the can while forming a discharge opening, and a duplex reclosure slide unit located in said depression and slidably engaging a top wall of the can, said unit having two positions, one out of alignment with, the other over the top of said discharge opening when formed, said duplex unit comprising a slide member held in contact with the surface of said depression panel wall in either position of the slide unit, and a supplemental slide element held in sliding contact with said slide member and having movement at right angles to the movement of said reclosure unit one such position opening the can for sifter dispensing.

2,178,621
ELECTRICAL CONNECTOR
Gustaf E. Andre, Richmond, Ind., assignor to Belden Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application February 1, 1937, Serial No. 123,335
3 Claims. (Cl. 173—322)

1. In apparatus of the class described, a conductor cord which is provided with at least two separate conductors, and a connector for use in conjunction therewith, including means defining a body, a plurality of contacts supported within said body, a centrally arranged cord-receiving passageway adapted to receive one end of said cord and having a cross sectional area at least slightly less than the cross sectional area of said cord, in order that said cord shall be tightly gripped by the walls of said passageway, and a plurality of branch passageways extending generally transversely to said cord-receiving passageway, the individual conductors making up said conductor cord being bent at the terminal end of

said cord and being positioned in said branch passageways, each of said separate conductors being reenforced and stiffened by a cord wrapping applied thereto preparatory to the assembly of said connector to increase their bending resistance and to increase the cross sectional area of said conductors to substantially the same value as the cross sectional area of the branch passageways within which they are located the combined cross sectional areas of the separate conductors being greater than the cross sectional



area of said central passageway, the bent portions of said conductors forming an open chamber between said conductors and the adjacent wall of the branch passageway, a wedging member positioned within said chamber, one end of said member contacting said bent portions and the other end thereof being supported on said adjacent wall, said wedging member being movable into said central passageway between the separate conductors when tensional stress is applied to said cord.

2,178,622

PROCESS FOR PRODUCING TETRACHLORETHYLENE

Georg Basel and Erich Schaeffer, Burghausen, Upper Bavaria, Germany, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany, a corporation

No Drawing. Application February 19, 1938, Serial No. 191,576. In Germany February 22, 1937

6 Claims. (Cl. 260—654)

1. Process for producing tetrachlorethylene which comprises reacting gaseous hexachlorethane and a gaseous unsaturated aliphatic hydrocarbon having two carbon atoms at a temperature of 200 to 400° C. in the presence of contact surfaces.

2,178,623

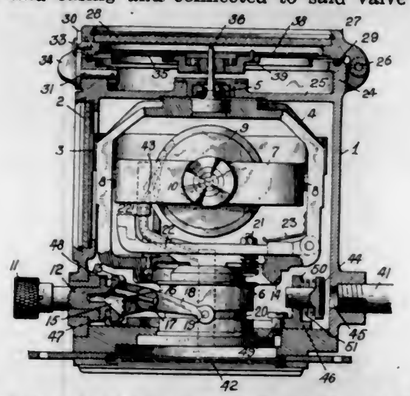
STABILIZING MEANS FOR LANDING FIELD CHARTS

Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application July 9, 1937, Serial No. 152,673

3 Claims. (Cl. 33—204)

3. A detachable card attachment for directional gyroscopes, comprising the combination with a vacuum driven directional gyroscope having a caging device operable at will, an enclosing casing having a vacuum pump connected thereto, a valve in said casing movable to shut off communication between said casing and said connection, a map card detachably mounted on said gyroscope within said casing, an air-tight cover for said casing giving access to said card and a knob outside of said casing and connected to said valve for



moving said valve to closed position so that said cover may be readily lifted to replace a card.

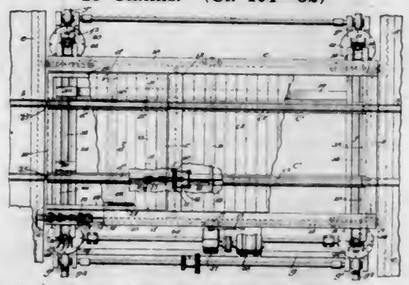
2,178,624

DROP PIT APPARATUS

Hugh K. Christie, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application November 21, 1938, Serial No. 241,588

15 Claims. (Cl. 104—32)



1. In a drop table, the combination of a vertically movable table-section comprising a rigid structure adapted to extend completely across the drop pit and provided with a space which is open at one end of the table and with rail sections extending from the inner end of said space to the wall at one side of the pit, an auxiliary section fitting in, and provided with rail-sections for extending across the open-ended space from its inner end to the wall at the opposite side of the pit, the auxiliary section being separable from and lowerable independently of the rigid structure and means for releasably supporting the sections in the pit.

2,178,625

FIREPROOFING TREATMENT AND COMPOSITION

Edwin C. Clayton and Lawrence L. Heffner, Baltimore, Md., assignors to Wm. E. Hooper & Sons Company, Baltimore, Md., a corporation of Maryland

No Drawing. Application January 7, 1938, Serial No. 183,829

9 Claims. (Cl. 91—68)

1. The method of treating fibrous cellulosic materials, as wood, cotton fabrics and the like, which consists in applying a primary treatment

of a water solution of a water soluble fire retarding agent, and a wetting agent, which is absorbed by the material, the evaporation of the water forming a deposit of the fire retarding agent in the pores of the treated material, and, subsequently, coating the material by dispersion from a volatile solvent of a substantially 60% chlorinated organic substance, and a fire resisting water insoluble inert mineral solid in a finely divided form, including a low temperature fusible salt suspended in the chlorinated substance.

2,178,626

MECHANICAL PENCIL

Frank C. Dell, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois

Application September 5, 1935, Serial No. 39,252

18 Claims. (Cl. 120—18)



7. In a mechanical pencil, a barrel having a longitudinal bore therein, a longitudinal groove extending along one side of said bore and in communication therewith, a tip rotatably mounted at one end of said barrel, a narrow sleeve secured inside of said bore adjacent one end thereof, a lead guide tube extending through said sleeve and fixed therein, said tube having its end portion upset to prevent its being pulled through said sleeve, the bore of the barrel being enlarged adjacent the tip end of the barrel, a projection formed on said lead guide tube and seated in said enlarged portion of the bore and so spaced with relation to the end of the enlarged portion of the bore and the said sleeve as to permit said lead guide tube to have a slight longitudinal movement, a plunger in said lead guide tube and means for causing longitudinal movement of said plunger upon relative rotation of the tip and barrel.

2,178,627

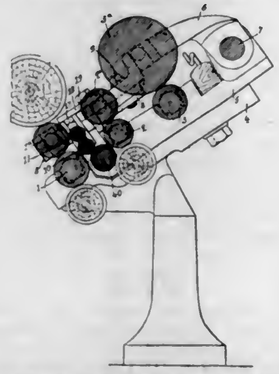
DRAFTING MECHANISM

Paul Devaux, Maromme, France

Application February 5, 1937, Serial No. 124,315

In France August 31, 1936

4 Claims. (Cl. 19—130)



1. In drawing mechanism for spinning and like machines, of the kind including small rollers located to have controlling contact with the fibers passing from pairs of retaining rolls to pairs of drawing rolls and close to the bite of the latter, said rolls being supported at intervals in frame members and said small rollers being local to the spaces between said members and held therein to rotate on fixed axes and being driven by a common rotary drive-shaft by virtue of their frictional contact therewith, the improvement which consists in each said small fiber-contacting roller being a permanent magnet and said drive-shaft in contact therewith being of magnetic material and the parts contacting the magnetic poles at the opposite ends of said small roller being of non-magnetic material adapted for reducing short-circuiting of the magnetic field of said small roller through said frame members and the other rolls.

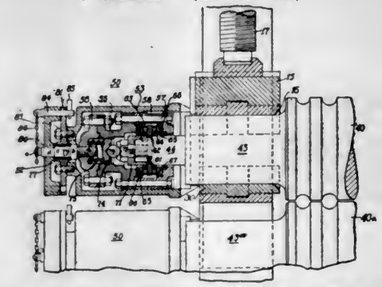
2,178,628

THRUST BEARING FOR ROLLING MILLS

Wentzel R. Duda, Pittsburgh, Pa., assignor to Mackintosh-Hemphill Company, a corporation of Pennsylvania

Application March 8, 1934, Serial No. 714,555

8 Claims. (Cl. 80—56)



1. In a rolling mill including a mill housing, and rolls rotatably mounted in radial bearings therein, at least one of the rolls having a roll neck extension provided with opposed end thrust receiving surfaces, the combination with said roll neck extension of thrust bearings cooperating with said surfaces, mechanism mounting said thrust bearings, means for securing said mechanism to the mill housing, and a device for temporarily centering said mechanism and the roll neck extension until the mechanism is secured to the mill housing.

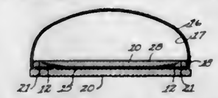
2,178,629

SHOE

Joseph H. Everston, Milwaukee, Wis., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois

Application January 25, 1937, Serial No. 122,209

2 Claims. (Cl. 36—19)



1. In a shoe, the combination with an insole having a solid central portion and a solid marginal portion of substantially equal thickness and a cut spaced inwardly from said margin to provide an inwardly directed lip following the margins of the sole about substantial portions of the sides thereof, of a cushion having a marginal portion of reduced thickness inserted within the lip for mechanical unitary retention thereby, an upper having its margins lasted about the solid side margins of the insole and in substantial parallelism to the plane of said insole, an outsole

applied in substantial parallelism to the insole across the lasted portions of the upper and across the cushion therewithin, and means extending through the solid portions of the insole for connecting the outsole and insole of the shoe through said upper.

2,178,630

METHOD FOR THE PURIFICATION OF CELLULOSE ETHERS

Alexander S. Finlayson, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 3, 1937, Serial No. 162,389

7 Claims. (Cl. 260—232)

1. A process for purifying substantially water insoluble cellulose ethers consisting of treating said cellulose ethers in solid form with an aqueous solution of a lower fatty acid containing from about 0.05% to about 0.5% of the lower fatty acid, for a period of time sufficient to convert the insoluble metallic constituents in the said cellulose ethers to metallic compounds soluble in the dilute acid solution, and removing the excess fatty acid and water-soluble constituents by washing with water.

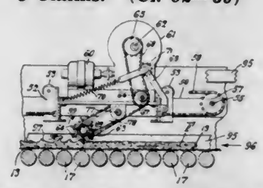
2,178,631

APPARATUS FOR SURFACING FELTED SHEETS

Orcutt W. Frost, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware

Application March 23, 1936, Serial No. 70,331

8 Claims. (Cl. 92—39)



1. A surfacing machine comprising a cyclically movable member having teeth or fingers thereon adapted to act upon a surface interposed in the path of the teeth somewhere in the cycle, and means for moving said member cyclically at a non-constant speed.

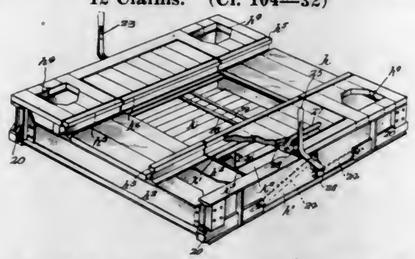
2,178,632

DROP PIT APPARATUS

Louis D. Holmes, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application May 1, 1936, Serial No. 77,319

12 Claims. (Cl. 104—32)



1. In drop pit apparatus, the combination in a drop table adapted to bridge the pit, of a plurality of sections, one of the sections being disposed within and adapted to be dropped independently of the other, means for supporting both ends of the outer table section from the walls of the pit, releasable supporting means between the sections, and rollers for the inner section to permit it to travel crosswise of the pit when supported on lifting mechanism, said rollers being movable under the inner sections for engagement by the lifting mechanism, for lifting the inner section above the outer section and into position to render both sections engageable by the lifting mechanism.

2,178,633

LAUNDRY IRONING AND DRYING ROLL PAD

James Edward Hooper, Ruxton, Md., assignor to Wm. E. Hooper & Sons Company, a corporation of Maryland

Application May 15, 1937, Serial No. 142,784

1 Claim. (Cl. 38—144)



The method of preparing a laundry ironing and drying pad for the pressing member of a laundry ironing or drying machine, which consists in drawing a pad composed of strands of mixed asbestos and cotton fibres over the surface of the pressing member of the machine, securing it in position and heating it to a temperature which is destructive of the cotton thereby destroying the cotton fibres.

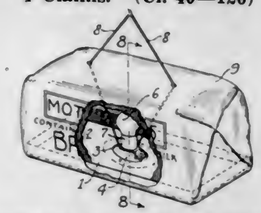
2,178,634

ILLUMINATED ADVERTISING DEVICE

James A. Howenstine, Lima, Ohio, assignor to Neon Products, Inc., Lima, Ohio, a corporation of Ohio

Application June 13, 1938, Serial No. 213,465

4 Claims. (Cl. 40—126)



1. An interiorly illuminated advertising device simulating a wrapped article of commerce and comprising a hollow frame shaped like the article simulated and having a bottom member of stiff material and a top member secured to the bottom member and being formed of wire screening, said bottom member having an opening therein, means for closing said opening, an electric illuminating means carried by said first means and adapted to be introduced into the frame through said opening, and a cover member of translucent pliant wrapping material wrapped around said frame to give the device the appearance of the wrapped article which it is intended to simulate.

2,178,635

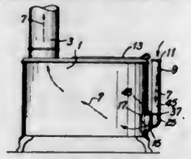
STOVE

Stanley F. Jackes, St. Louis, Mo., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application January 21, 1938, Serial No. 186,104

1 Claim. (Cl. 285—143)

Apparatus for a stove which has a downward opening for draft inlet and ash-removal and an upright pre-heater flue, comprising means associated with said stove opening providing substantially vertical guides, elbow means supporting said flue and having an opening communicating therewith to receive air from the flue and also having a lateral opening for communication with the stove opening, and shield means on said elbow substantially vertically sliding in said guides and



adapted to be applied to said guides and removed therefrom, the shield means moving gravitationally to a seat to substantially seal the opening in the stove, the weight of the elbow and flue being applied to effect seating by movement of translation only.

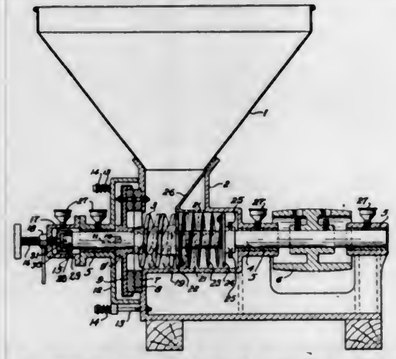
2,178,636

GRAIN GRINDER

Howard Milton Johnston, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada

Application October 25, 1937, Serial No. 170,820

2 Claims. (Cl. 83—8)



1. A grinder comprising a grinding chamber having a feed opening, a pair of grinding plates in the chamber, a feed worm housing in alignment with said feed opening, a driving shaft carrying one of said grinding plates and extending through said housing and grinding chamber, a hopper above said housing having a discharge opening into the end of the housing adjacent said feed opening, a feed worm keyed to the shaft for longitudinal movement therealong and normally positioned in the latter end of the housing in alignment with said feed opening, a spring in the end of the housing remote from said hopper discharge and bearing upon the worm to urge the latter into said feed opening, said end of the housing remote from the hopper discharge being of sufficient length to accommodate retraction of the feed worm thereinto out of alignment with the hopper discharge.

2,178,637

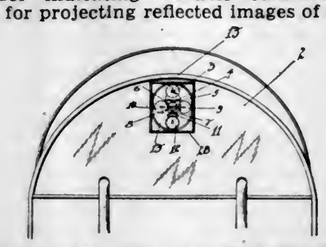
MEANS AND METHOD OF INSTRUMENT INDICATION IN AIRPLANES AND THE LIKE

Edwin A. Link, Jr., Binghamton, N. Y.

Application August 3, 1935, Serial No. 34,574

3 Claims. (Cl. 88—24)

1. Indicating means for airplanes and the like comprising a plurality of separated indicating devices for indicating variable conditions, and means for projecting reflected images of said devices to a screen, the projected images being closer together than the devices themselves, and in different relation to each other than said devices.



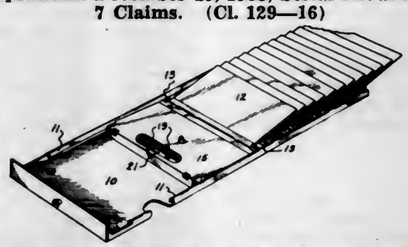
2,178,638

VISIBLE INDEX FOLLOWER BLOCK

Forest L. W. Link, Silverton, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio

Application December 19, 1938, Serial No. 246,585

7 Claims. (Cl. 129—16)



2. In combination with a visible index tray, a follower block having two pairs of tray engaging elements, one pair of said elements being retractible with respect to said block, and the other pair being non-retractible and torsionally resilient.

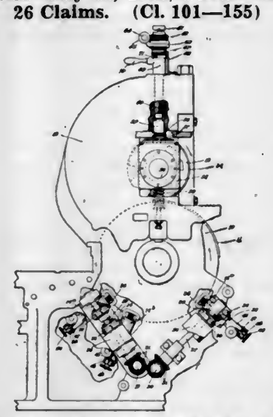
2,178,639

ROTARY PRINTING MACHINE

Frank C. Marquardt, New York, N. Y., assignor to American Bank Note Company, New York, N. Y., a corporation of New York

Application May 28, 1938, Serial No. 210,613

26 Claims. (Cl. 101—155)



1. A rotary printing machine embodying therein a plate cylinder having a peripheral speed

in excess of 175 feet per minute, an impression cylinder or D-roll, a wiping mechanism including therein a wiper bar, a wiper shaft, and means whereby said bar is reciprocated from said shaft, a polishing mechanism including therein a polisher bar, a polisher shaft, and means whereby said bar is reciprocated from said shaft, and means minimizing vibration of said bars from moving inertia upon reversal of the movements of said bars, including therein speed reducing gearing operative upon said shafts respectively, whereby with high angular speed of said plate cylinder, said bars will have a plurality of slow reciprocatory movements with each revolution of said plate cylinder, the wiper bar having one full reciprocation with substantially five inches of travel of the plate cylinder.

2,178,640

MANUFACTURE OF HYDROGEN PEROXIDE

John C. Michalek and Edward C. Soule, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application December 29, 1938, Serial No. 248,251

7 Claims. (Cl. 23—207)

1. In the manufacture of hydrogen peroxide by cyclic oxidation and reduction of an intermediate in a solvent in which hydrogen peroxide is of limited solubility, the improvement which comprises using para-hydrazo-toluene as the reduced intermediate subjected to oxidation.

2,178,641

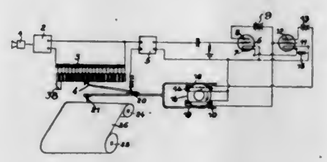
MAGNETIC COUPLING

Georg Neumann, Berlin, Germany

Application September 28, 1935, Serial No. 42,658

In Germany October 5, 1934

3 Claims. (Cl. 74—210)



1. A magnetic coupling comprising a constantly driven member including two rotating discs, two stationary exciting coils surrounding opposite portions of only one of said discs and adapted for variable and simultaneous energization, and a movable forked armature the legs of which engage on opposite sides of said discs so as to be controlled in accordance with the energization of said coils.

2,178,642

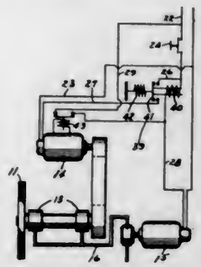
LUBRICATING MECHANISM

Conrad L. Ott, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a corporation

Application July 17, 1936, Serial No. 91,219

7 Claims. (Cl. 184—6)

1. A device of the kind described comprising a movable machine element, bearing surfaces for said element, mechanism for driving said element, a source of power for said driving mechanism, means for supplying lubricant to said bearing surfaces at a uniform rate and means for continuing the supply of said lubricant at said uniform rate after said source of power has been



disconnected and until said element has slowed down to a predetermined point.

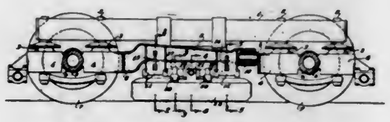
2,178,643

TRACK BRAKE SUSPENSION

Emil H. Piron, New York, N. Y., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York

Application August 21, 1935, Serial No. 37,109

14 Claims. (Cl. 188—41)



1. The combination of a track brake shoe, means for supporting said shoe from a point immediately above the center of gravity thereof, a swivel connection in said supporting means, and means for yieldingly opposing the swivelling of said shoe about said swivel connection.

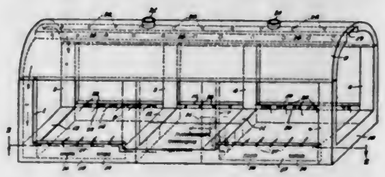
2,178,644

BODY CONSTRUCTION AND HEATING AND VENTILATING SYSTEM

Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York

Application June 11, 1936, Serial No. 84,732

4 Claims. (Cl. 98—10)



1. In a vehicle body, a frame comprising side girders each of hollow construction, vertical air ducts leading from points adjacent the roof of the body into the girders along one side of said frame, a heating device, a blower for drawing air downwardly through said ducts and through said heating device, and means for conducting the air from said device into the side girders at the other side of said frame, said last named girders having outlets along the length thereof into the interior of said body.

2,178,645

MEASURING ARRANGEMENT FOR POTENTIAL TRANSFORMERS

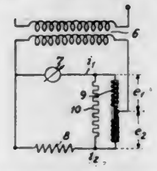
Hans Poleck, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application August 9, 1937, Serial No. 158,158

In Germany August 8, 1936

12 Claims. (Cl. 171—95)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



8. In an arrangement for connecting two measuring circuits to a common potential transformer, a potential transformer having its primary winding designed to be traversed by an alternating current a property of which is to be measured, a magnet core, two series-connected windings arranged on said core, each of said windings being inserted in one of said measuring circuits, the connecting point of said two windings being connected to one pole of the secondary winding of said potential transformer and the impedance of each winding being equal to the total impedance of said potential transformer, and an ohmic resistance connected in parallel to the series connection of said two windings.

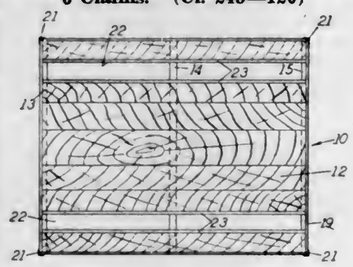
2,178,646

PALLET

George G. Raymond and William C. House, Greene, N. Y., assignors to Lyon Iron Works, a corporation of New York

Application September 18, 1937, Serial No. 164,541

6 Claims. (Cl. 248—120)



5. A pallet comprising a load-supporting surface, a base, and spacers between said surface and said base, said base having an aperture therein, one defining edge of which is spaced a predetermined distance from the related pallet end-edge.

2,178,647

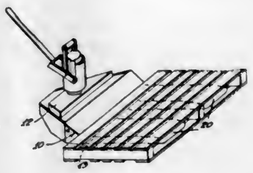
LIFT TRUCK

George G. Raymond and William C. House, Greene, N. Y., assignors to Lyon Iron Works, a corporation of New York

Application March 25, 1938, Serial No. 198,130

14 Claims. (Cl. 280—44)

1. In a lift truck, in combination, a frame, an extensible and retractible member carried by said frame, means to retract said member and a plurality of roller means extending a varying dis-



tance below said frame, carried by said frame and positioned adjacent said member.

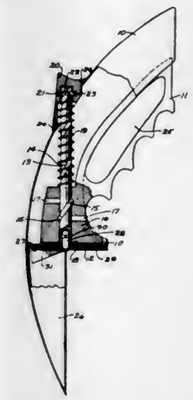
2,178,648

ICE CREAM CUTTER AND SERVER

Ray E. Rothenbush, Los Angeles, Calif., assignor of one-half to Bertha Druding, Beech Grove, Ind.

Application April 21, 1939, Serial No. 269,094

11 Claims. (Cl. 107—48)



1. The combination of a handle, a cutter extending from the handle, a complementary cutter revolvable circumferentially with respect to the first cutter, a shaft having a spiral groove carried by the handle, said second cutter being revolved by said shaft, a finger piece carried by said handle and movable longitudinally thereof, means interengaging said piece and said shaft to produce rotary motion of the shaft upon movement of said piece toward the handle, and yielding means normally positioning said piece in an outer position to have said shaft retain said second cutter nested with said first cutter.

2,178,649

PROCESS FOR BLEACHING WOOD PULP

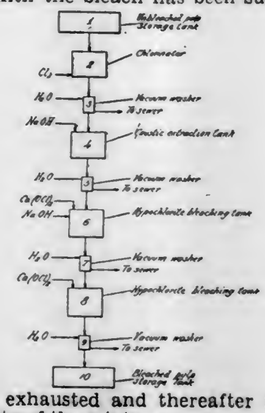
John Schuber, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

Application November 10, 1938, Serial No. 239,763

7 Claims. (Cl. 8—105)

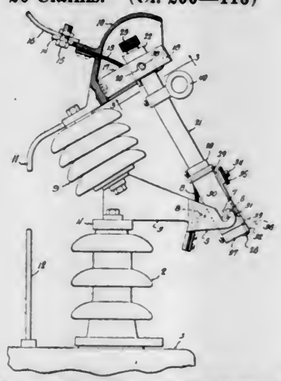
7. The step in the process for bleaching pulp which comprises treating an aqueous suspension of the pulp with a chlorine bleach solution, main-

taining during said treatment a pH of from about 8.3 to 10 until the bleach has been substantially



completely exhausted and thereafter increasing the alkalinity of the mixture.

2,178,650
FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application October 8, 1936, Serial No. 104,644
20 Claims. (Cl. 200—116)



4. A fuse construction comprising a pair of spaced contacts, a fuse unit normally electrically connecting said contacts and including a fuse tube, means movably supporting said fuse tube for motion from operative position to inoperative position away from one of said contacts, said means supporting said fuse tube for rotary motion about the axis of said fuse tube, said fuse tube being biased towards rotary motion and towards inoperative position, latch means normally restraining said fuse tube against motion from operative to inoperative position and released upon rotation of said fuse tube about the axis of said fuse tube, means normally restraining said fuse tube against rotation about the axis of said fuse tube, and a fuse link controlling said last mentioned means.

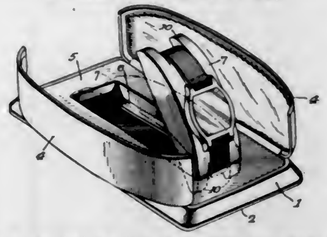
2,178,651
ARCH SUPPORT
William Seigle, Hinton, Okla.
Application January 6, 1939, Serial No. 249,580
3 Claims. (Cl. 36—71)

1. An arch support including: a base or insole; a volute spring mounted thereon; and a resilient bumper or shock absorber positioned within said spring adapted to assume the major portion of any axially applied deforming force exerted on



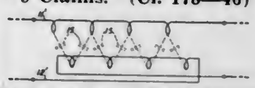
said spring after said spring has been deformed to approximately half its normal length, and to resiliently limit further deformation of said spring.

2,178,652
DISPLAY BOX
John M. Shields, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application November 9, 1936, Serial No. 109,866
3 Claims. (Cl. 206—75)



1. In a container for watches, lockets and like articles, a supporting pad formed with inner vertical depending end and side walls extending toward and terminating above the bottom of the container and defining a rectangular opening, two opposite walls of which are provided with inwardly disposed horizontal flanges spaced above the bottom of the container and which terminate short of the proximate end wall of the opening at at least one end, and a removable display pad supported on said horizontal flanges and formed with corner lugs arranged to be inserted between the ends of the horizontal flanges and the proximate wall of the opening in the supporting pad, the lower faces of said lugs being arranged to stop against the ends of said horizontal flanges and the upper faces of said lugs being arranged to stop against the lower edge of the proximate wall of said opening to hold the display pad in inclined position.

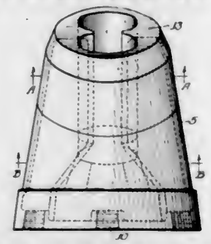
2,178,653
BUILDING-OUT UNIT
Benjamin Slade, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1938, Serial No. 236,506
9 Claims. (Cl. 178—46)



1. A building-out unit for a transmission line having capacitive and inductive reactance which comprises a coil in which the ratio of total inductance to total capacitance is substantially equal to that of said line.

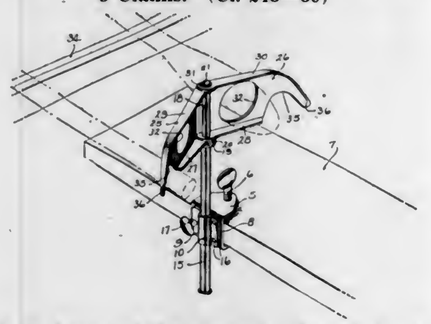
2,178,654
TUYÈRE
Karl Steinbacher, Portsmouth, Ohio
Application July 30, 1938, Serial No. 222,103
1 Claim. (Cl. 266—41)

A water-cooled tuyère having a passage therethrough, the inlet end of the passage being substantially circular in cross-section and the discharge end of the passage being substantially fig-



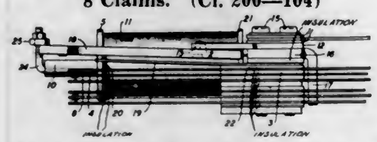
ure 8 shaped in cross-section, the inlet circular cross-section gradually merging with the figure 8 shaped cross-section of the discharge portion of the passage.

2,178,655
SUPPORT FOR FISHING RODS AND POLES
Gustav E. Strandt, Milwaukee, Wis.
Application April 29, 1938, Serial No. 204,951
5 Claims. (Cl. 248—39)



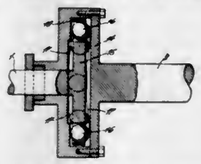
1. A device of the character described, comprising the combination with an upright support, of an arm connnected with said support for swinging movement, said arm comprising a flanged plate having an aperture and a hooked terminal portion providing a downwardly opening notch.

2,178,656
ELECTROMAGNETIC SWITCHING DEVICE
Paul W. Swenson, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application December 11, 1935, Serial No. 53,982. Divided and this application February 21, 1939, Serial No. 257,568
8 Claims. (Cl. 200—104)



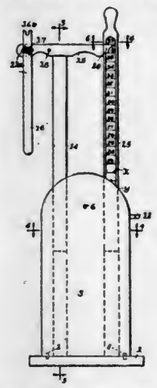
1. An electromagnetic relay comprising a core, a winding for energizing the same, an armature having its forward end disposed in proximity to said core for attraction thereby, stop means associated with the forward end of said armature for limiting the movement of said armature between its operated and released positions, a set of contacts, means associated with and responsive to the movement of the forward end of said armature between said positions for causing the closing and opening of said contacts, and means for loosely and freely supporting said armature at a point intermediate its forward and rear ends, said supporting means permitting the armature to pivot about said point of support on its forward movement and to pivot about its forward end when it reaches its operated position to prevent said forward end from rebounding and disturbing the condition of said contacts.

2,178,657
SPEED REDUCING MECHANISM
Frank Travnicek, East St. Louis, Ill.
Application May 21, 1937, Serial No. 143,965
4 Claims. (Cl. 74—64)



1. A speed reducing mechanism including a power shaft, a driven shaft in alignment with the power shaft, a race secured to the driven shaft about the axis of the shafts providing an endless path lying within a cylindrical surface having the axis of the shafts as an axis with one or more sections departing slightly from a circle, a propeller secured to the power shaft and having a cage, one or more balls so supported by the cage as to be rotated in the race and permitted sufficient sidewise movement to accommodate themselves to the race.

2,178,658
INSEAM MEASURING APPARATUS
James Turpan, Paterson, N. J.
Application January 22, 1938, Serial No. 186,277
3 Claims. (Cl. 33—8)



3. Apparatus for the purpose described including a fixed structure, a scale plunger movable up and down and guided by said structure and having up-and-down-extending scales arranged one above the other and the upper one of which reads upwardly and the lower one reads downwardly, said structure having a pointer arranged to coact with the lower scale, and a gauge plunger movable up and down and guided by such struc-

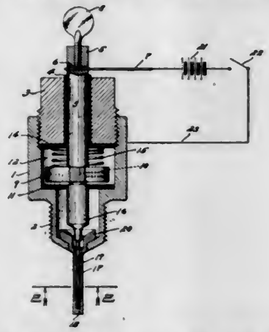
ture and having a pointer projecting into proximity to the scale plunger and coactive with the upper scale.

2,178,659

GLOW PLUG FOR INTERNAL COMBUSTION ENGINES

Eli White, Detroit, Mich., assignor of one-tenth to Otto Milbrand, Detroit, Mich.

Application October 12, 1938, Serial No. 234,639
12 Claims. (Cl. 123—145)



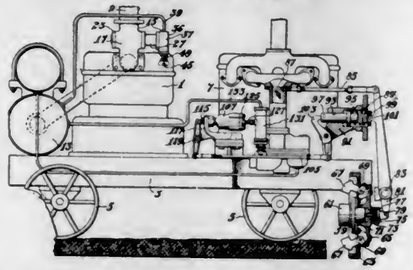
1. In a glow plug for internal combustion engines, a body member having a portion adapted to be threaded into the wall of the internal combustion engine, a glow tube of resistance metal extending from the end of the body member into the combustion chamber and being closed at the end, a conductor extending through the tube in spaced relation therewith and secured in the closed end thereof, a contact rod normally engaging the conductor, an adjustable collar on the contact rod, a spring engaging said collar, an adjustable nut engaging the spring and adjustable in the body member to vary the tension of the spring, means for passing an electric current through the contact rod and conductor and through the glow tube to heat the glow tube, the glow tube being arranged to expand under heat and when expanded to a predetermined extent being arranged to move the conductor out of contact with the contact rod and break the electric circuit.

2,178,660

COMPRESSOR REGULATOR

Allan O. Carpenter, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application December 24, 1937, Serial No. 181,656
15 Claims. (Cl. 230—5)



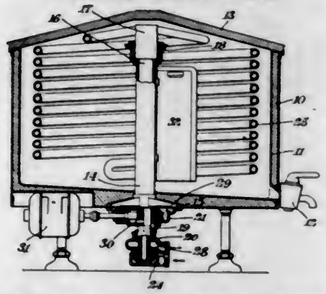
1. In a regulator for a motor driven fluid compressor having a speed governor, a compressor discharge controlled pressure responsive device for controlling the speed setting of the governor having two control positions, means to unload the compressor at a predetermined maximum discharge pressure and to reload the compressor at a predetermined low discharge pressure, and means responsive to a predetermined high discharge pressure intermediate the maximum and low discharge pressures to enable the discharge pressure to set and maintain the pressure responsive device in one control position until a predetermined minimum discharge pressure less than said low discharge pressure is reached.

2,178,661

LIQUID ATTEMPERATING DEVICE

Fritz G. Cornell, Jr., Mountain Lakes, N. J., assignor to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J., a corporation of New York

Application January 2, 1936, Serial No. 57,319
7 Claims. (Cl. 257—104)



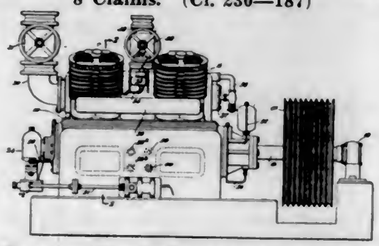
5. An attemperating apparatus comprising a vat, a stationary vertical post in said vat extending upwardly from the bottom thereof above the normal liquid level therein, a helical coil of elliptical cross-section open at its lower end rotatably supported at its upper end only by said post, a stationary baffle supported within said coil, driving means for said coil, said coil being centered on the rotational axis and consisting of two helices interconnected in series at their lower ends, and means communicating through said post with the upper ends of said helices for circulating attemperating fluid through said coil.

2,178,662

FLUID COMPRESSOR

Lars Hanson, Cranford, N. J., assignor to Carrier Corporation, Newark, N. J., a corporation of Delaware

Application July 24, 1937, Serial No. 155,416
8 Claims. (Cl. 230—187)



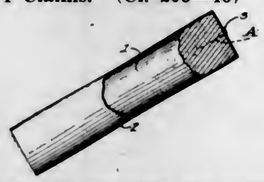
1. In a multi-cylinder gas compressor of the V-type, means forming a relatively large chamber in the area between the angularly disposed cylinders of said compressor, means for supplying to said chamber fluid to be compressed containing entrained oil particles, said chamber being of sufficient size to reduce the velocity of fluid supplied thereto to such a point that oil entrained by said fluid will be precipitated and separated by gravity from said fluid and fall to the bottom of said chamber, means for supplying from said chamber to the cylinders of said compressor fluid which is relatively free of entrained oil, and means for discharging from the compressor fluid compressed in the cylinders thereof.

2,178,663

PACKAGE OF REVERSIBLE THERMOPLASTIC IMPRESSION COMPOSITION

Laurence E. Harrison, Altadena, Calif., assignor, by mesne assignments, to Surgident, Ltd., Los Angeles, Calif., a corporation of California

Application July 24, 1936, Serial No. 92,463
4 Claims. (Cl. 206—46)



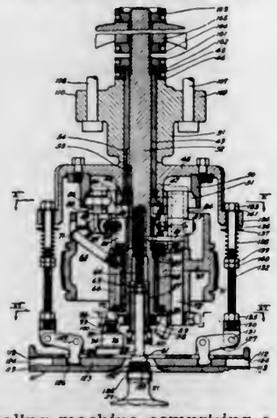
1. A package of reversible thermoplastic impression composition which comprises a stick of such composition and a container of flexible nonmetallic material enclosing said stick and providing an air-tight enevelope therefor.

2,178,664

SEALING MACHINE

Emerson E. Hogg, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 21, 1937, Serial No. 121,414
16 Claims. (Cl. 226—87)



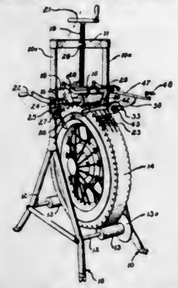
1. A sealing machine comprising a support, a fixed abutment member secured thereto, a vertically reciprocable shaft carried by said support, thread-rolling means carried on said shaft for progressively forming thread-like securing conformations in a closure, horizontally reciprocable means supported by said shaft for constricting said closure below said securing conformations, means for moving said shaft relative to said abutment member, whereby said abutment member causes movement of both said thread-rolling means and said constricting means into operative contact with the closure.

2,178,665

APPARATUS FOR MAKING INCISIONS

Henry M. Janowski, South Bend, Ind., assignor to Peco Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application December 8, 1936, Serial No. 114,762
4 Claims. (Cl. 90—15.1)



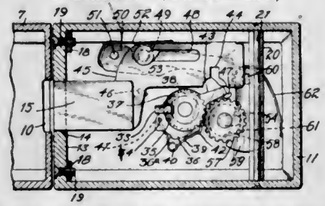
1. In apparatus of the class described, means for rotatably supporting a tire, means including ratchet mechanism for rotating said tire through predetermined angular distances, a support pivotally mounted adjacent said tire, a cutter assembly slidably mounted on said support, and means for imparting reciprocatory movement to said assembly, the latter comprising a U-shaped cutting blade, a rotatable disc on each side of said blade adapted to frictionally engage the surface of said tire, an electric motor for rotatably driving said discs and reduction gearing interposed between said motor and said discs.

2,178,666

DOOR LOCK

Otto C. Larson, Brooklyn, N. Y.

Application July 21, 1937, Serial No. 154,720
8 Claims. (Cl. 70—129)



1. A lock of the class described comprising a casing, a lock bolt movable into and out of said casing, a rotary bolt operating member, means upon the inner side surface of a door controlled by said lock for rotating said bolt operating member to move the bolt into operative and inoperative position, key actuated means accessible from the outer surface of the door for rotating said bolt operating member to move said bolt into operative and inoperative position, and means for moving said first named means into inoperative position when the key actuated means is operated to move the bolt into operative position.

2,178,667

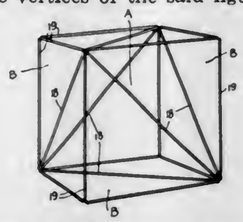
METHOD OF CONSTRUCTION AND STRUCTURE RESULTING THEREFROM

Henry B. Littlefield, North White Plains, N. Y., assignor to Edith M. Littlefield, North White Plains, N. Y.

Application February 27, 1937, Serial No. 128,123
7 Claims. (Cl. 189—34)

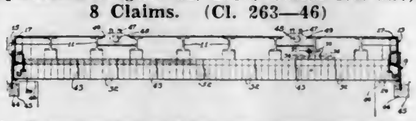
3. A skeleton structural network comprising

sequentially assembled geometrical figures of regular tetrahedron type and/or of right-angled pyramid type associated to have adjoining triangular faces in common, the said geometrical figures being formed from substantially rectilinear structural elements associated at their ends to form the vertices of the said figures and se-



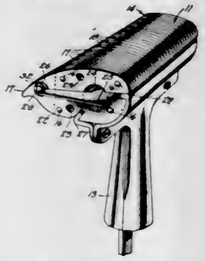
cured thereat by independent fastening devices identical one with the other, said associated ends of the structural elements being provided with fastening members, and independent fastening elements securing said fastening members to said fastening devices, each of said fastening devices providing for three-way lateral expansion of the structural network.

2,178,668
SUSPENDED SOAKING PIT COVER
Levi S. Longenecker, Pittsburgh, Pa.
Application August 31, 1938, Serial No. 227,749
8 Claims. (Cl. 263—46)



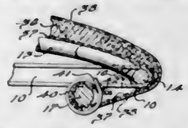
1. A suspended soaking pit cover comprising a frame having a flanged marginal channel disposed with its flanges directed inwardly, a sectional side shoe partially overlapping said channel in abutting relation with the web thereof, means for in shear connecting said shoe and channel, an inwardly directed intermediate flange on said side shoe contacting with a channel flange, an inwardly directed flange on the bottom of said side shoe adapted to support refractory tile and a downwardly extending flange adapted to project into a sand seal disposed in a trough around said pit.

2,178,669
HAIR CLIPPER
Victor Lougheed, Lucketts, Va., assignor to Cooper & Cooper, Inc., Brooklyn, N. Y., a corporation of New York
Application February 26, 1936, Serial No. 65,845
6 Claims. (Cl. 30—43)



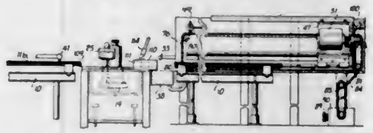
1. In a hair-clipping device, a stationary cutter-head element built up of laminae or plates of suitable material, certain of such plates at regular intervals being extended into very-thin teeth separated by very-narrow interspaces, a coacting movable cutter element, said cutter element comprising a helical member freely movable intermediate its ends, and means for reciprocating said helical member axially thereof.

2,178,670
CUSHION
Clarence H. Menge, Mount Clemens, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application July 23, 1937, Serial No. 155,273
2 Claims. (Cl. 155—180)



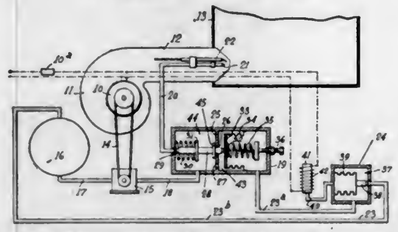
1. In a cushion construction, a frame having an elongated element extending inwardly from an edge thereof, a layer of upholstery material stretched over said frame with a marginal portion thereof wrapped about said element, and wire rings surrounding said element and passing through a double thickness of said layer to form the sole means for holding the material in wrapped relation with respect to said element.

2,178,671
APPARATUS FOR MANUFACTURING FINNED TUBING
Paul Victor Osborn, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application November 10, 1937, Serial No. 173,737
4 Claims. (Cl. 113—59)



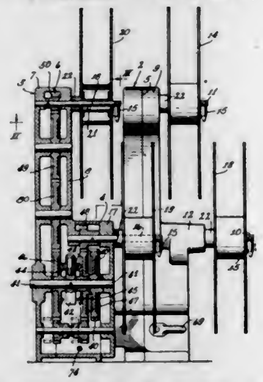
1. In an apparatus for soldering to a conduit fin material positioned thereabout, means for supporting said conduit, means for rotating said conduit at relatively high speed, means for supplying flux to said conduit, means for dripping molten solder downwardly upon said rotating conduit, means for effecting relative movement axially of said conduit between said rotating conduit and said solder drip means and said flux supply means, a receptacle adapted to receive excess solder dripped upon said conduit, means for heating solder within said receptacle, means for recirculating molten solder from said receptacle to said solder drip means, a second receptacle adapted to receive excess flux supplied to said conduit, means for recirculating flux from said second receptacle to said flux supply means, said first receptacle for solder and said second receptacle for flux being positioned proximate each other, a member formed of heat-conducting material having formed therein a passage through which said conduit is adapted to be passed, opposite ends of said passage terminating over said first and said second receptacles respectively, the end portion of said passage which terminates over said first receptacle sloping downwardly towards said first receptacle, the end portion of said passage which terminates over said second receptacle sloping downwardly towards said second receptacle, and means for heating said member.

2,178,672
FLUID BURNER CONTROLLER
Laurence M. Perkins, Syracuse, N. Y., assignor to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application August 11, 1937, Serial No. 158,460
11 Claims. (Cl. 158—36)



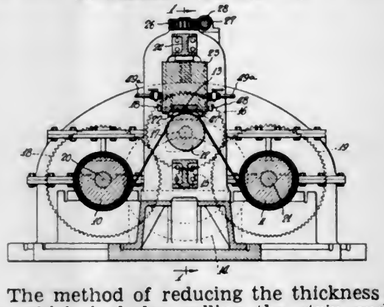
1. In a fluid burner device adapted to be intermittently operative, a source of fluid fuel, a burner, a pressure regulating valve serving said burner at all times during operation of the latter, means for supplying fuel from said source to said valve, means constantly supplying to said burner from said valve a portion only of the fuel supplied to said valve, means constantly returning to said source of fuel from said valve another portion of the fuel supplied to said valve, auxiliary valve means for controlling said return of fuel to said source and for controlling the pressure at which fuel is supplied to said burner from said first-mentioned valve, a thermal element, means for heating said thermal element responsive to operation of the device, and means responsive to heating of said thermal element for decreasing to a predetermined point the effective opening of said auxiliary valve means.

2,178,673
MULTIPLE FILM RE-WINDER
Iwan Serrurier, Los Angeles, Calif.
Application November 10, 1937, Serial No. 173,814
5 Claims. (Cl. 242—55)



2. A multiple film re-winder comprising a housing including a horizontal section and a pair of vertical sections rising therefrom at opposite ends, a pair of vertically spaced apart reel-supporting shafts in each vertical section of said housing, a first, second, and a third coaxial gear in the lower part of each vertical section, and differential means for applying equal torque to the second and third gears in response to rotation of the first gear, gear means for coupling said second gear to one of said reel-supporting shafts, gear means for coupling said third gear to the other reel-supporting shaft, a drive shaft in said horizontal section, and differential means coupling said drive shaft to said first gears in each of said vertical sections.

2,178,674
METHOD AND APPARATUS FOR DRAWING STRIPS
Aaron Simons, New York, N. Y.
Application March 23, 1937, Serial No. 132,497
25 Claims. (Cl. 205—1)

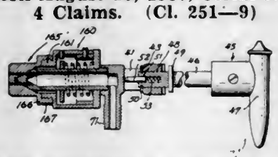


1. The method of reducing the thickness of a strip, which includes pulling the strip endwise between a driven roller member and a coacting member at a speed less than that of the surface speed of the roller member and greater than any surface speed of the other member in the direction of travel of the strip.

2,178,675
PROCESS FOR TREATING VEGETABLES
James A. Thomas, Berkeley, Calif., assignor to Esotoo Fumigation Co. Ltd., San Francisco, Calif., a corporation of California
No Drawing. Application March 18, 1939, Serial No. 262,785
6 Claims. (Cl. 99—193)

1. The process of treating vegetables during packing, shipping, or storage, that includes cooling the vegetables with ice that contains SO_2 whereby the SO_2 in said ice will be released for effectively contacting the vegetables upon melting of said ice and will thereby cooperate with the lowered temperature to retard the growth of spoilage microorganisms on the vegetables.

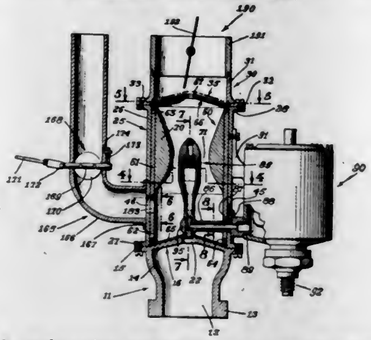
2,178,676
ADJUSTABLE GAS VALVE
Ormsby P. Williams, Huntington Park, Calif.
Application August 10, 1937, Serial No. 158,297
4 Claims. (Cl. 251—9)



1. A valve comprising in combination an outer valve member including a valve housing with a base having a central opening and an outer portion with a closed end rotatably adjustable on the valve housing, a pin and slot connection to regulate said adjustment, the outer portion of

the outer member having a closed end with an internal conical seat, an inner valve member extending through the opening in the base and having a complementary cone shaped end to engage the said seat, there being aligned orifices through the end of the outer and inner valve member eccentric to the axis of the outer and inner valve members, a collar having a notch attached to the inner valve member, said notch providing shoulders, a fixed pin secured to the valve housing to engage either of said shoulders and a compression spring between the base of the housing and the collar to form a seating of the cone shaped end of the inner valve member against its seat.

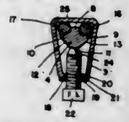
2,178,677
CARBURETOR
Ormsby P. Williams, Huntington Park, Calif.
Application August 31, 1937, Serial No. 161,783
5 Claims. (Cl. 261—49)



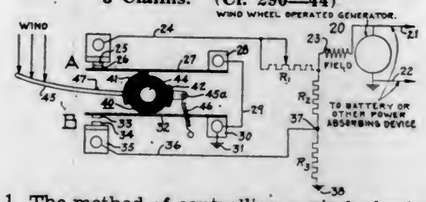
1. A carburetor comprising in combination an air flow valve including a housing with an inside cylindrical surface and having a cone type of valve element connected thereto, a cylindrical sleeve mounted for rotation in the housing and having a complementary cone valve element connected thereto, said elements having ports for registry, a liquid fuel valve including a hollow stem, means to retain said stem in a fixed position aligned with the axis of the said sleeve, a pipe connection to the stem for liquid fuel, a sleeve rotatably mounted on the hollow stem and having a closure cap at the end of the hollow stem, the hollow stem and the sleeve mounted thereon having complementary ports, a throttle arm connected to the sleeve of the liquid valve and also connected to the sleeve of the air valve having a slot, a secondary throttle arm connected to the sleeve of the air valve and extending through the latter slot whereby an arcuate movement of the secondary throttle arm in the said latter slot develops a rotational movement of the air valve sleeve and the sleeve of the liquid valve, thereby producing a simultaneous action of the liquid valve and the cone type of air valve.

2,178,678
SADDLE POST ASSEMBLY
William H. Baumker, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application June 21, 1937, Serial No. 149,531
7 Claims. (Cl. 155—5.24)

1. In a saddle post assembly, a saddle having substantially parallel reach bars, a supporting post having an arm extending lengthwise of and recessed to receive said reach bars, a clamp of substantially inverted U-configuration straddling the reach bars and arm and provided below the latter in spaced relation thereto with overlapping inturned portions having aligned threaded openings, and a clamping member threadedly engaging the aligned threaded openings and bearing against the underside of said arm.



2,178,679
WIND WHEEL GENERATOR
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 7, 1938, Serial No. 194,283
3 Claims. (Cl. 290—44)



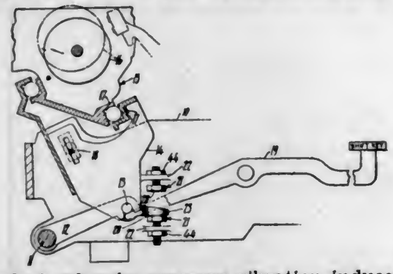
1. The method of controlling a wind wheel operated electrical generating plant which consists in operating the generator at relatively low wind velocities with relatively little external resistance in the field circuit, then, at velocities above a predetermined relatively low value, in inserting a substantial resistance in the generator field circuit so as to permit the propeller to carry its load efficiently at wind velocities increasing above the predetermined relatively low value, and in decreasing the external resistance in the field circuit by stages as the wind velocity increases substantially above the predetermined relatively low wind velocity.

2,178,680
EXPANDER FOR STORAGE BATTERIES AND METHOD OF MAKING THE SAME
Robert A. Daily, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application November 15, 1937, Serial No. 174,657
10 Claims. (Cl. 136—26)

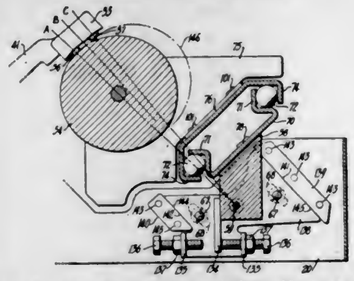
7. An expander for the addition to the paste of storage battery plates, a nickel salt of sulphonated lignin.

2,178,681
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application May 28, 1936, Serial No. 82,175
4 Claims. (Cl. 197—81)

1. A typewriter or the like having two relatively moving parts impacting one against the other for limiting the relative movement, one of said parts including, in order to quietly arrest and precisely limit said relative movement, a metal body, and a metal veneer thereon to impact against the other part in arresting said relative movement, the contiguous surfaces of said metal body and metal veneer being cohered together locally, so as to leave a portion of said contiguous surfaces unattached, whereby sonorous vibration induced at the impact of said parts is suppressed and the impact noise substantially reduced.



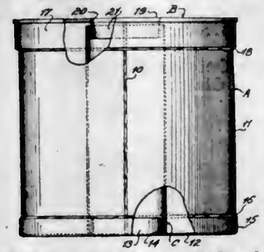
2,178,682
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application February 8, 1937, Serial No. 124,541
6 Claims. (Cl. 197—149)



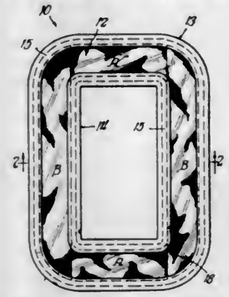
1. In a typewriter, in combination, a frame having side walls, a type-bar mounted in the frame to strike downwardly and rearwardly on a platen, upper and lower case type on said type-bar, a cylindrical platen, a carriage on which the platen is rotatably mounted, a track on which the carriage is reciprocated, a member having a forwardly inclined surface for supporting the platen-carriage and the track as a unit, pivots on opposite ends of the supporting member for swinging the platen to upper and lower case positions, two brackets each having a bearing for one of the pivots, each bracket having parallel rearwardly inclined sides, and guides mounted on the inside of each side wall towards the rear, each guide having a straight edge engaging one of the rearwardly inclined sides.

2,178,683
CARBURIZING POT
Thomas Albert Frischman, Cleveland Heights, and Curtis G. Shontz, Cleveland, Ohio, assignors to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 20, 1937, Serial No. 164,700
1 Claim. (Cl. 263—48)

An interchangeable chimney type sheet metal carburizing pot comprising: a body portion including a tubular welded-up sheet metal member forming the sides of the pot and a cup-shaped sheet metal member forming the bottom of the pot telescoped over the lower end of said tubular member and having a central aperture therein defined by an inwardly turned flange; a removable cover for said pot adapted to be supported on the upper end of said body portion and having a central aperture therein defined by an inwardly projecting flange; and a removable sheet metal chimney within said body portion and telescoping both of said flanges.



2,178,684
SIGN CHARACTER
George W. Frost, Springfield, Ill., assignor to Gothard Manufacturing Company, Springfield, Ill., a corporation of Illinois
Application January 14, 1939, Serial No. 250,954
4 Claims. (Cl. 40—140)

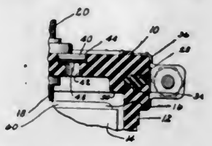


4. A reflecting sign character comprising, in combination, a channel-shaped member, light reflecting material disposed in the channel of said channel-shaped member, and rim flange retaining means cooperating with said channel-shaped member to retain said light reflecting material therein, said channel-shaped member, light reflecting material, and rim flange retaining means all conforming to the general outline of said reflecting sign character, and the outer surface of the flange of said rim flange retaining means being colored to increase the visibility of said sign character in daylight, said light reflecting material comprising glass, one surface of which is light diffusing and the opposite surface of which is mirrored.

2,178,685
DECOLORIZING TITANIUM TETRACHLORIDE
Frederick Gage, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application February 3, 1938, Serial No. 188,574
13 Claims. (Cl. 23—87)

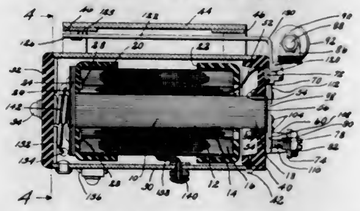
1. A method of decolorizing colored titanium tetrachloride which comprises contacting the same with a lower valent titanium compound in an amount sufficient and for the time required to remove at least a substantial portion of the color from the tetrachloride.

2,178,686
CONDENSER VENT
Alexander M. Georgiev and Paul F. Koehly, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 17, 1936, Serial No. 106,098
5 Claims. (Cl. 220—89)



5. In a sealed container, a vent comprising in combination, a wall member having an aperture therethrough ending in a counter-sink, means in the counter-sink for closing the aperture, and means sealing the aperture against free flow around the closing means, comprising a non-volatile residue effected upon evaporation of a liquid Celluloid solution, said residue forming a continuous coating on the side walls of the counter-sink and the adjacent surface of the closing means.

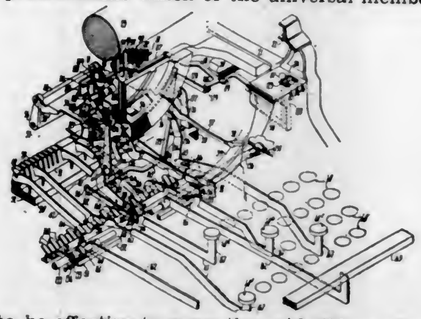
2,178,687
IGNITION COIL
Herman L. Hartzell and Dalphin L. Hittle, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 31, 1938, Serial No. 210,928
7 Claims. (Cl. 175—357)



1. In an ignition apparatus, the combination, with an electromagnetic core, a non-conducting casing comprising a base and a head, means including a centrally disposed socket of the head for supporting one end of said core, magnetic laminae engaging the opposite end of the core, and spring means disposed between the base and the laminae for pushing the core into the recess of the head member.

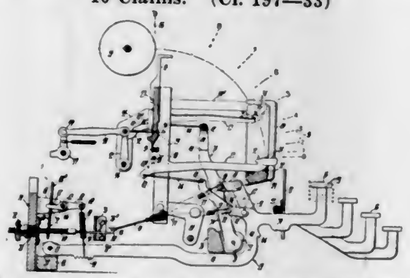
2,178,688
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application March 16, 1936, Serial No. 69,130
14 Claims. (Cl. 197—157)

1. A typewriter, having in combination, types, multiple mechanisms individually operable to selectively move the said types to the printing point, a ribbon-vibrator for normally holding a multiple-color-field ribbon removed from the printing point, and means to vibrate the said ribbon-vibrator at each operation of any of said mechanisms to move the desired ribbon-field in front of the printing point, including, a universal member operable by the said mechanisms to move the said ribbon-vibrator to one ribbon-field position, a universal member operable by said mechanisms to move the said ribbon-vibrator to another ribbon-field position, and means to predetermine which of the universal members



is to be effective to move the said ribbon-vibrator at each operation of any of the said multiple mechanisms.

2,178,689
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Original application February 23, 1935, Serial No. 7,679. Divided and this application December 5, 1936, Serial No. 114,353
10 Claims. (Cl. 197—33)

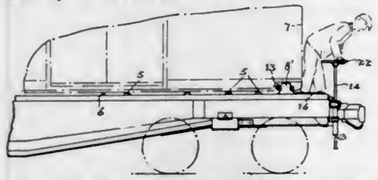


8. In a typwriting machine, the combination with a system of type actions, of a set of springs operatively connected to corresponding ones of said type-actions, a common anchor member for the springs, a support, and means, including two connections between said support and anchor member, whereby said anchor member is adjustably maintained on said support, one connection being arranged to be adjustable stepwise to move the anchor member in pronounced steps in such direction as to obtain pronounced variations in the spring stretch or force, and the other connection being arranged to be adjustable micrometrically to move the anchor member correspondingly to adjust finely the spring stretch or force obtained by means of the first connection.

2,178,690
SAFETY SHOCKPROOF CONTAINER CAR
William Platts Kellett, New York, N. Y.
Application March 26, 1937, Serial No. 133,165
5 Claims. (Cl. 105—366)

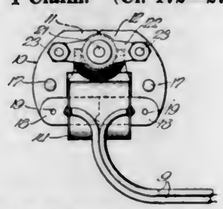
1. In a safety shockproof container car of the type having a deck rigid therewith on which containers are adapted to directly rest in shock-relief relation, the combination with jacks mounted on opposite sides of the rigid deck for cushioned shock-relief displacement relative to the rigid deck on which the container rests for

securing the container in longitudinal shock-displaceable relation to the car deck, of a local platform of transversely elongated form extending from side to side of the car deck at one end only in covering relation, to the said end and operatively connected at its outer ends with the



respective jacks and displaceable therewith and with the container to accommodate an operator and substantially preventing an operator from standing on the said end of the rigid deck surface whereby the operator will be definitely protected against injury due to the shock displacement of the container on the rigid deck.

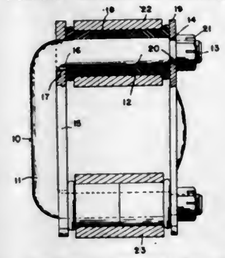
2,178,691
REVERSIBLE ALTERNATING CURRENT INDUCTION MOTOR
James Larocca, Chicago, Ill., assignor to Speedway Manufacturing Company, Cicero, Ill., a corporation of Illinois
Application January 11, 1937, Serial No. 119,943
1 Claim. (Cl. 172—278)



A reversible alternating current motor comprising a substantially C-shaped magnetic structure having opposite pole pieces separated by narrow air gaps, said pole pieces being bridged at opposite ends by bearing plates which are secured to each pole piece, a rotor mounted in said bearing plate in cooperating relation with said pole pieces, a primary and a secondary winding on said magnetic structure to one side of said rotor and between said pole pieces, said pole pieces being each formed with a diametrically opposite slot which extend in a common plane at right angles to the axis of said rotor, a single concentrated coil having opposite lengths thereof mounted within the slots on opposite sides of said rotor with the end turns thereof encircling the under side of said rotor to lie parallel with the ends of said magnetic structure and beneath said bearing plates, and a reversing circuit connecting said secondary winding and coil.

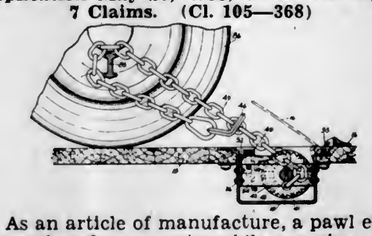
2,178,692
SPRING SHACKLE
Brouwer D. McIntyre, Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application January 30, 1939, Serial No. 253,645
4 Claims. (Cl. 280—54)

1. A shackle construction comprising a substantially U-shaped connecting member having a base portion and having substantially parallel leg portions, a backing plate having openings therethrough spaced from each other a distance corresponding to the distance between the leg portions to slidably receive said leg portions and positioned on the leg portions in juxtaposed relation to the base portion of the U-shaped member, bushings of rubber material sleeved on the leg



portions, and means mounted on the free ends of the leg portions and engageable with the adjacent ends of the bushings to hold the latter under compression against said plate and to clamp the plate against the base of the U-shaped member.

2,178,693
AUTOMOBILE SECURING DEVICE
John McMullen, Buffalo, N. Y.
Application May 26, 1936, Serial No. 81,885
7 Claims. (Cl. 105—368)



3. As an article of manufacture, a pawl engaging member for an automobile securing device which includes a casing and a ratchet wheel and pawl in said casing, said pawl engaging member being mounted in said casing and having a wedge adapted to be slidably disposed between and engage said casing member and said pawl to prevent disengagement of said pawl from said ratchet wheel.

2,178,694
METHOD OF PURIFYING CAUSTIC SODA
Irving E. Muskat, Akron, and William F. Waldeck, Wadsworth, Ohio, assignors to The Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 28, 1937, Serial No. 171,517
9 Claims. (Cl. 23—184)

1. The process of purifying sodium hydroxide which comprises concentrating an impure aqueous solution of sodium hydroxide substantially saturated with sodium chloride to a concentration such that the monohydrate will crystallize therefrom, cooling to crystallize a substantial quantity of both relatively coarse hydrated sodium hydroxide and relatively fine sodium chloride crystals, and effecting a substantial separation of the relatively coarse sodium hydroxide crystals from the relatively fine sodium chloride crystals by passing the resultant liquor through a filter of such porosity that substantial quantities of sodium chloride crystals pass therethrough while substantial quantities of sodium hydroxide crystals do not.

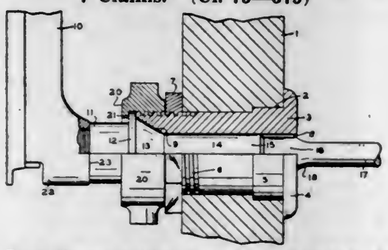
2,178,695
METHOD OF STABILIZING HALOGENATED HYDROCARBONS
Irving E. Muskat, Akron, and Lynn King, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application February 3, 1938, Serial No. 188,575
11 Claims. (Cl. 260—652)

7. A method of stabilizing normally unstable substantially saturated aliphatic hydrocarbons containing substantial quantities of halogen which comprises contacting hydrocarbons with concentrated sulphuric acid in sufficient amounts and for a time sufficient to stabilize said hydrocarbons but insufficient to cause decomposition of a major portion of said hydrocarbons.

2,178,696
MATERIAL TREATMENT
Irving E. Muskat, Akron, and George H. Cady, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application February 3, 1938, Serial No. 188,576
7 Claims. (Cl. 8—108)

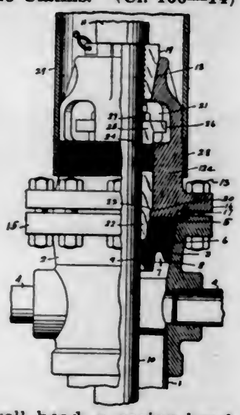
1. The process of bleaching fibrous materials which comprises treating a quantity of water with chlorine monoxide, which is substantially free of hydrochloric acid, chlorine dioxide and oxides of nitrogen in concentrations sufficient to produce a solution of hypochlorous acid and bleaching fibrous materials with this solution.

2,178,697
THERMOMETER CASING AND TANK SANITARY FITTING COMBINATION
George J. Oestreicher, Cleveland, Ohio
Application February 17, 1938, Serial No. 191,045
7 Claims. (Cl. 73—375)



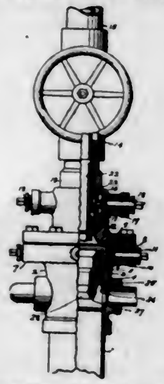
2. In a thermometer and tank sanitary fitting combination for tanks requiring thermometers which may be readily detached and cleaned, a tubular fitting extending through a side wall of the tank and sealed with respect thereto and open at both ends and having an outer end portion extending beyond the tank, said end portion having external threads and the fitting having a smooth axial passage therethrough, a tubular casing adapted to support a thermometer, said casing being receivable endwise within said fitting from the outside of the tank and extending beyond the inner end of the fitting when the tubular casing is installed in the fitting, said fitting having an internal outwardly flaring seat at the outer end of the passage, a complementary seat on the tubular casing near the outer end thereof, said tubular casing having an external shoulder outwardly of the casing beyond the seat and facing outwardly endwise of the casing, a nut carried on the casing and having an opposed shoulder engageable with the shoulder of the casing, said nut having internal threads engageable with the said threads of the fitting for drawing the casing into the fitting and effecting sealed pressure engagement of said seats, and said casing having a portion between the seat and the inner end of the casing shaped to fit snugly and slidably in the inner end portion of said passage of the fitting for guiding the casing into the fitting prior to and during the movement of the casing to effect engagement of said seats.

2,178,698
TUBING HEAD
Arthur J. Penick and Kirby T. Penick, Houston, Tex.
Application May 4, 1936, Serial No. 77,662
Renewed March 30, 1938
13 Claims. (Cl. 166—14)



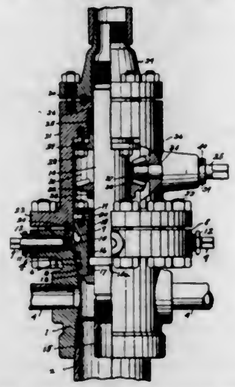
11. In a well head, a casing head, having an inside seat to receive and support a pressure head, a hood on the casing head having an inside annular seat and a lateral opening above said last mentioned seat, said hood having also a slip seat above the opening.

2,178,699
WELL HEAD
Arthur J. Penick and Kirby T. Penick, Houston, Tex.
Application May 17, 1937, Serial No. 143,052
4 Claims. (Cl. 285—22)



1. In combination a casing head having an inside seat, an adapter on and detachably secured to the casing head, an inside retractable support in the adapter, a hanger adapted to be coupled to a tubing and of an outside diameter to fit snugly in the adapter, means for moving the support radially inwardly into position to engage and support the hanger, sealing means between the supported hanger and the adapter, a pressure head on said seat embodying yieldable material and of an inside diameter to form a fluid tight seal about the tubing, tubing couplings or hanger, retractable means for locking the pressure head on the seat and means for forming a seal around the retractable means.

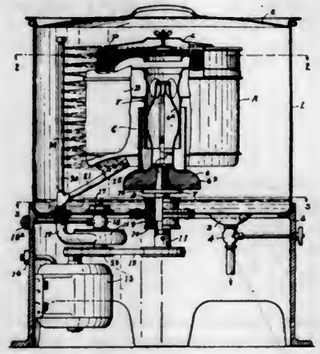
2,178,700
TUBING HEAD
Arthur J. Penick and Kirby T. Penick, Houston, Tex.
Application January 24, 1938, Serial No. 186,626
4 Claims. (Cl. 166—14)



1. A tubing head for wells comprising a tubular head adapted to be connected to the top of a well casing and having an inside seat, a tubular bushing in sealed engagement with the seat, retractable means for securing the bushing in place, a tubular hanger extended through and rotatable in the bushing, sealing means between the hanger and bushing, a housing on the head to receive the hanger, sealing means between the housing and hanger, gearing in the housing operatively connected with the hanger and means accessible from without the housing, for operating the gearing and rotating the hanger and the tubing suspended therefrom.

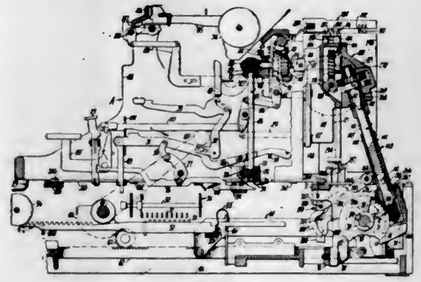
2,178,701
METHOD FOR APPLYING FLUIDS TO AND CLEANING ARTICLES
Ralph D. Petre, Cleveland, Ohio
Application May 28, 1936, Serial No. 82,214
8 Claims. (Cl. 141—1)

1. The method of applying a liquid agent to a porous article and controlling the depth of penetration of the agent into the article to which it is applied, which comprises applying the liquid agent to the article at its outer peripheral surface in a manner to cause the liquid agent to flow inwardly of and into the article and concurrently spinning the article at sufficient speed to subject the liquid agent to sufficient centrifugal force for arresting the inward flow of the liquid agent into the article at a predetermined depth of penetration and to reverse the flow, thereby limiting the depth of penetration of the liquid agent, and varying said speed to effect



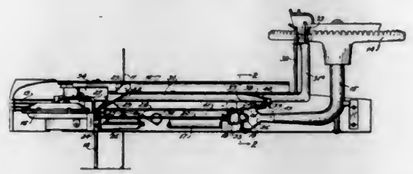
variation in the depth of penetration of the liquid agent into the article.

2,178,702
COMBINED TYPEWRITING AND COMPUTING MACHINE
Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application August 1, 1936, Serial No. 93,820
2 Claims. (Cl. 235—60)



1. In combination with a combined typewriter and computing machine comprising a computing base containing computing mechanism, and a general operator therefor to be operable by power, and also comprising a typewriter surmounting said computing base and having a main frame, and typing mechanism to be operable by power; a power drive for said machine including an upright stub shaft journaled in the computing base, said computing base being extended rearwardly to dispose said stub shaft beyond the back of the typewriter frame, means in said base operatively connecting said stub shaft to said general operator, a power operable drive shaft having its bearing support attached to the typewriter frame and disposed by its said support behind the back of said frame to extend transversely thereof and above said stub shaft, means, incorporated in the typewriter, operatively connecting said typing mechanism to said drive shaft, a shaft geared to said drive shaft and having a bearing in a support attached to the typewriter frame, said latter support disposing said latter shaft to extend downwardly toward said stub shaft, and a coupling detachably connecting said latter shaft to said stub shaft.

2,178,703
FUEL BURNING APPARATUS
Charles W. Robbins, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application June 20, 1936, Serial No. 86,370
5 Claims. (Cl. 158—7)



1. In gas burning apparatus, a main burner, a duct adapted to extend through a lateral door of the furnace or the like and adapted to convey primary and secondary air to the burner, the burner having a mixing tube with an air inlet opening located in the casing, a baffle extending across the lower part of the casing so that the primary and secondary air is required to pass over the same, and a shutter above the baffle over the opening for the mixer.

2,178,704
TAMPON
Vera E. Robinson, Chicago, Ill.
Application March 12, 1936, Serial No. 68,480
2 Claims. (Cl. 128—285)

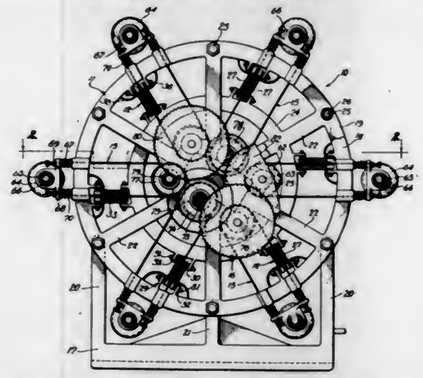


1. A sanitary tampon comprising a soft, self-expanding absorbent body of unfelted short fibers surrounded and having its dimension limited by a highly deformable, absorption-promoting gauze-like jacket through which the said fibrous body is manipulated, said jacket-enveloped body having its jacket and portions of its immediately underlying body along a plurality of circumferentially distributed longitudinal lines defining sectors of the body channeled in the radial planes of said lines and doubled upon themselves, thereby forming gatherings that reduce the transverse dimension of said tampon said deformable jacket being provided with a water-soluble adhesive that causes the abutting faces of the portions which are doubled inwardly, to adhere together and releasably hold the body to its contracted state, and the gatherings of the tampon being substantially eliminated and its full transverse dimension being restored by the swelling of the body under moisture absorbed incident to use.

2,178,705
PREPARATION OF MINERAL OILS FOR USE IN PAINT AND THE LIKE
Allan B. Ruddle, San Francisco, Calif.
No Drawing. Application November 27, 1936, Serial No. 113,009
4 Claims. (Cl. 134—56)

2. The method of preparing mineral oil for use in paints which comprises adding thereto a solution of an alkali metal silicate and an alkali metal fluosilicate, thoroughly mixing and heating, and then adding an alum.

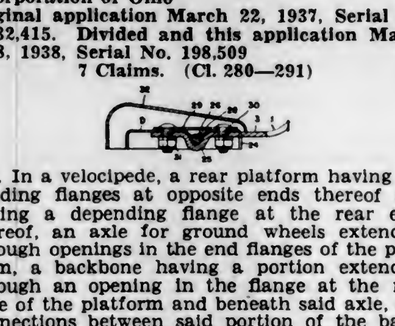
2,178,706
MUSICAL INSTRUMENT
Victor H. Severy, Glendale, Calif.
Application April 21, 1936, Serial No. 75,556
4 Claims. (Cl. 84—1.14)



1. A musical instrument comprising a frame, a plurality of pairs of drums mounted in said frame, an endless record strip carried by each pair of said drums, said pairs being mounted so that the strips will extend radially with respect to the center of the frame, means coacting with the drums for driving the strips at predetermined speeds, non-magnetic sound tracks carried by said strips and extending longitudinally thereof, two supports mounted in said frame adjacent to each one of said endless strips, said supports being arranged in spaced parallel relation with opposed faces on either side of the coacting strip and inclined with respect to the central horizontal axis of the frame, a plurality of electrostatic pickups carried by each of said strips and corresponding in number with the sound tracks on the adjacent record strips, said pickups being arranged in pairs whereby the ones on either side of the record strip will coact with the corresponding sound track as it passes between them, a loud speaker unit and means operatively connecting said unit with said electrostatic pickups whereby the tones produced by the loud speaker will be controlled by said pickups.

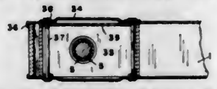
2,178,707
VELOCIPEDE STRUCTURE
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Original application April 5, 1937, Serial No. 135,156. Divided and this application September 20, 1937, Serial No. 164,806
8 Claims. (Cl. 280—291)

1. In a velocipede, an axle, a backbone having a substantially horizontal portion beneath the axle, a clip above the axle, a platform on the axle between the clip and the horizontal portion



of the backbone, and a connection between the clip and horizontal portion of the backbone holding the platform on the axle.

2,178,708
VELOCIPEDE STRUCTURE
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Original application March 22, 1937, Serial No. 132,415. Divided and this application March 28, 1938, Serial No. 198,508
4 Claims. (Cl. 280—274)



1. In a velocipede, a backbone having a closed elongated loop at its forward end, side plates at opposite side edges of said loop and cooperating therewith to form a closed chamber, a reinforcing bracket within said closed chamber, and means including a connection between said plates for holding said bracket.

2,178,709
VELOCIPEDE STRUCTURE
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Original application March 22, 1937, Serial No. 132,415. Divided and this application March 28, 1938, Serial No. 198,509
7 Claims. (Cl. 280—291)

1. In a velocipede, a rear platform having depending flanges at opposite ends thereof and having a depending flange at the rear edge thereof, an axle for ground wheels extending through openings in the end flanges of the platform, a backbone having a portion extending through an opening in the flange at the rear edge of the platform and beneath said axle, and connections between said portion of the backbone and the platform in advance and in rear of the axle.

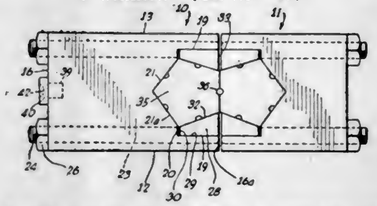
2,178,710
DEMOUNTABLE BLADE
William L. Valiquette, Dayton, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application May 27, 1935, Serial No. 23,580
3 Claims. (Cl. 164—58)

1. In a cutter for paper cutting machines, a vertically movable knife bar having one beveled surface and one vertical surface, said bar having a rabbet in its lower edge opening toward the beveled surface of the bar, a strip steel cutter blade in said rabbet bearing against the inner wall thereof, a clamp mounted in said rabbet en-



gaging the major portion of said blade, and means for adjusting the clamp to advance the cutting edge of the blade, said clamp having thrust absorbing means acting without regard to clamp and blade adjustment to withstand cutting pressure applied along the plane of the blade.

2,178,711
DIE HOLDER FOR NAIL MAKING DIES
Ignacy Werner, Buffalo, N. Y.
Application August 25, 1938, Serial No. 226,667
7 Claims. (Cl. 10—49)

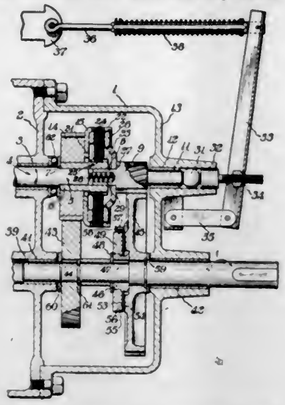


5. A die holder comprising a member having parallel vertical end surfaces, and parallel horizontal top and bottom surfaces, said member having a cut out at one end surface, of uniform horizontal cross section, extending from the top surface to the bottom surface, said cut out having a pair of parallel, vertical inner surfaces, extending from the adjacent end surface, at right angles thereto, and with similar, aligned vertical surfaces extending from said inner surfaces, at right angles thereto, and with vertical, inclined surfaces, between said aligned surfaces, said member being further formed with a pair of horizontal, longitudinal, similar, symmetrically disposed through openings communicating with the end of said cut out and forming semi-circular openings in said aligned surfaces, and horizontal semi-cylindrical grooves in said inner surfaces, a pair of similar, symmetrically disposed die clamping bolts in said through openings having heads at one end within said cut out, said heads having top and bottom surfaces flush with the top and bottom surfaces of said member, and with outer faces flush with said adjacent end surface of said member, with surfaces parallel to said outer faces and disposed adjacent said aligned surfaces, and with inner inclined surfaces.

2,178,712
VARIABLE-SPEED TRANSMISSION
Maurice P. Whitney, Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 27, 1937, Serial No. 155,931
9 Claims. (Cl. 74—368)

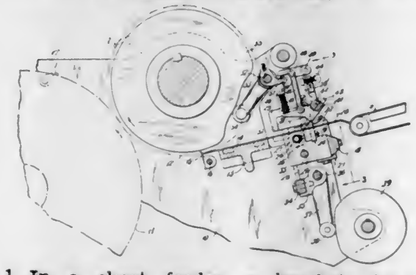
1. In a variable-speed transmission, a power shaft, a pinion member mounted coaxially there-

with, a sleeve mounted on and slidably but non-rotatably connected to said shaft and pinion member, a gear freely journalled on said sleeve, a friction clutch for connecting said sleeve and



gear, means actuated by longitudinal movement of the pinion member for controlling said clutch, and means under the control of the operator for sliding said pinion member in the sleeve.

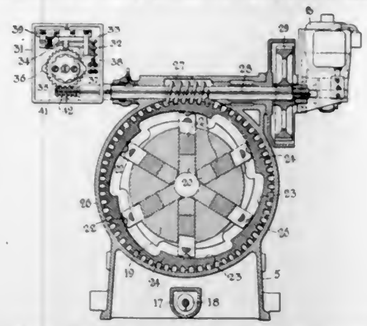
2,178,713
SHEET DETECTOR
James R. Wood, Shelton, Conn., and Charles W. Harrold, University Heights, Ohio, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application March 30, 1937, Serial No. 133,914
17 Claims. (Cl. 271—56)



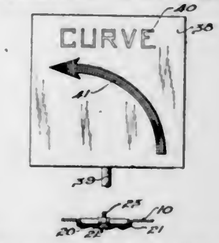
1. In a sheet feeder, a bracket structure mounted for adjustment transversely of the path of movement of the sheets, side register mechanism carried by said bracket structure, and excess sheet detector mechanism also carried by said bracket structure, whereby the side register and sheet detector mechanisms are maintained in a given relative adjustment for all positions of the bracket structure.

2,178,714
PRESS
Raymond T. Anderson, Berea, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application March 5, 1936, Serial No. 67,386
14 Claims. (Cl. 100—48)

1. In a press, a casing; expressing means in said casing; driving means for said expressing means; a discharge for the press; motor operated means for controlling said discharge; and electrical means for controlling said motor in accordance with the back pressure exerted on the driving means by the material passing through the press.

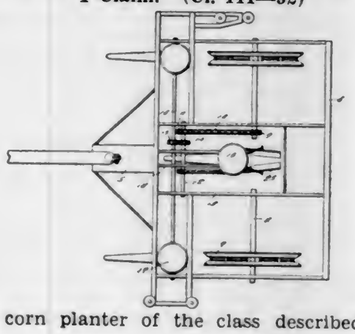


2,178,715
SIGN
Samuel F. Arbuckle, Highland Park, Mich., assignor to S. F. Arbuckle Corporation, a corporation of Delaware
Application October 25, 1935, Serial No. 46,663
4 Claims. (Cl. 40—125)



1. In a sign construction, a non-reflecting supporting plate having raised indicia thereon, reflecting elements secured to said backing plate over said indicia, said elements being formed of sheet metal and having a highly polished surface, a flange formed around the marginal edge of said reflecting element serving to space said element from said supporting plate and position the same relative to said indicia, and lugs formed on said flange and adapted to extend through said supporting plate to secure said element thereto.

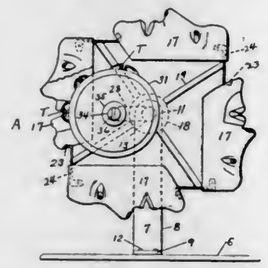
2,178,716
CORN PLANTER
Lewis K. Botnen, Marshalltown, Iowa
Application November 5, 1937, Serial No. 173,026
1 Claim. (Cl. 111—52)



A corn planter of the class described com-

prising a frame, a pair of transversely aligned shafts journaled in the frame, ground wheels carried by the shafts, a pair of corn planting mechanisms mounted on the frame in advance of and in alignment with the wheels to permit the latter to cover corn dropped thereby, a long transversely arranged shaft journaled in the frame and connected with the feeding means of the planting mechanisms, a short transversely extending shaft journaled in a central part of the frame, gears connecting the two shafts together, a chain and sprocket for driving the short shaft from one of the wheel carrying shafts, a third planting mechanism mounted on the frame rearwardly of the first-named planting mechanisms and at an equal distance from both the first-named planting mechanisms, a chain and sprockets connecting the short shaft with the feeding means of the third planting mechanism and seed covering means for covering the corn dropped by the third planting mechanism.

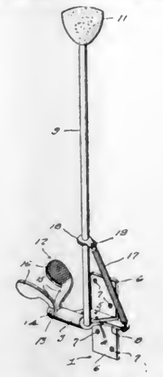
2,178,717
DENTURE DEMONSTRATING DEVICE
George Henry Burtenshaw, Taumarunui, Auckland, New Zealand, assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Original application January 22, 1937, Serial No. 121,897. Divided and this application February 18, 1938, Serial No. 191,287. In New Zealand January 29, 1936
8 Claims. (Cl. 32—71)



2. A denture demonstrating device comprising a pedestal, a frame pivotally mounted on said pedestal for movement about a horizontal axis, facial masks mounted on said frame, and a plurality of tooth sets rotatably mounted for movement about a second horizontal axis to effect interchangeable association with said masks, said masks having the lips thereof separated to display the teeth of said sets.

2,178,718
DOOR HOLDER
Martin S. Christensen, San Anselmo, Calif.
Application January 31, 1939, Serial No. 253,921
3 Claims. (Cl. 292—338)

1. A door holder of the class described comprising a bracket adapted to be mounted on the door, said bracket including an elongated, substantially tubular bearing, a ground engaging pawl mounted for swinging movement on the bracket and including a lateral shaft on one end journalled in the bearing and projecting from one end thereof, a coil spring connected to the pawl for yieldingly holding said pawl in operative or inoperative position, and a foot lever secured on the projecting end portion of the shaft, said foot lever including a substantially U-shaped intermediate portion fixed to the shaft and diverging arms extending from said substantially U-shaped intermediate portion.

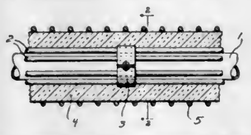


2,178,719
FASTENING DEVICE
Bart Cotter, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 23, 1937, Serial No. 160,377
3 Claims. (Cl. 24—73)



3. In a metallic fastening device adapted to hold an object in an opening in a surface, a generally U-shaped body portion having resilient sides, lateral wings on the body portion, inclined top and bottom edges on the wings, one pair of inclined edges enabling an easy insertion of the fastening device in the opening, the other pair of inclined edges adapted to engage with the edge of the opening to hold the device in position, legs formed from the metal of the base member, said base having slits therein to disconnect the sides of the legs from the base, one end of said legs being integrally connected to the base adjacent the bight of the U, said legs projecting beyond the end of the base, and gripping parts formed at the ends of the legs and adapted to hold an object.

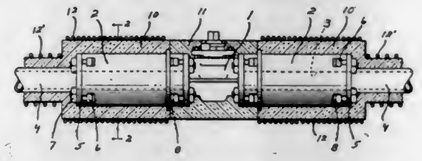
2,178,720
INDUCTION HEATED PIPE
Charles E. Daniels, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 23, 1938, Serial No. 192,142
6 Claims. (Cl. 219—47)



1. A pipe construction comprising a tubular core of non-magnetic material, a plurality of longitudinally disposed flux carrying elements dis-

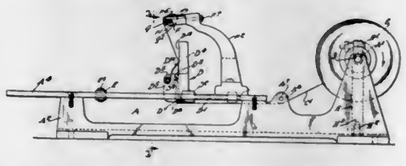
posed about the core in thermal relation therewith, insulation disposed about said members and core and an induction heating coil arranged about said insulation.

2,178,721
HEATING PIPE FIXTURE
Charles E. Daniels, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 23, 1938, Serial No. 192,143
9 Claims. (Cl. 219—47)



1. A pipe line construction comprising a removable pipe fixture, a magnetic pipe section having thick walls attached to said fixture, a pipe section of normal wall thickness attached to the first mentioned section, an induction heating coil disposed about each of said pipe sections, said coil having an increased number of turns about the thick wall section whereby the fixture may be maintained at the same temperature as the pipe line.

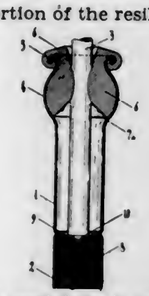
2,178,722
TAPE STRIPPING, MEASURING, AND SEVERING DEVICE
Barthold De Mattia, Clifton, N. J.
Application December 28, 1937, Serial No. 182,041
23 Claims. (Cl. 164—84.5)



1. A device for stripping material from a roll and severing it into predetermined lengths, and which includes, in combination, a support for the roll of material, a measuring device comprising an element movable longitudinally through predetermined strokes and in contact with which the material is held during such movement relatively near the leading end of the latter and at the same distance from such end irrespective of the length of material being stripped and severed, to strip the material from the roll and measure the length to be severed, and a cutter for severing the measured length.

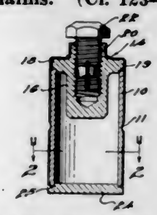
2,178,723
DETONATOR
Peter McGill Forsyth, Raetihi, New Zealand
Application March 29, 1937, Serial No. 133,673
In Great Britain November 3, 1936
1 Claim. (Cl. 102—9)

In a detonator, a container having a bulbous portion adjacent the open end thereof, a resilient body arranged in the bulbous portion restricting the entrance to the container, the open end of said container having a rolled over and helically shaped lip, a portion of the resilient body secured



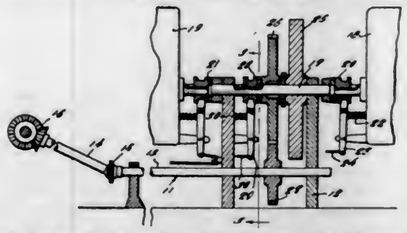
in the lip of the container to provide a seal between the container and the resilient body.

2,178,724
VALVE TAPPET
Joseph H. Hoern, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 19, 1938, Serial No. 202,928
7 Claims. (Cl. 123—90)



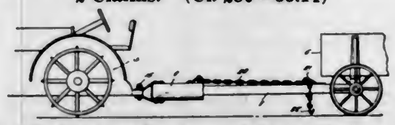
1. A valve tappet comprising a hollow cylindrical main body portion, an end member closing one end of said main body portion and welded thereto, and a second end member received by the opposite end of said main body portion and welded thereto, the last mentioned end member being of relatively hard character and of uniform hardness therethrough, the surface areas of said main body portion and the first mentioned end member being of relatively hard character and said main body portion and said first mentioned end member being of relatively soft character except for said surfaces.

2,178,725
AIRPLANE PROPULSION
Frank Lawrence, Masury, Ohio
Application October 3, 1938, Serial No. 233,084
1 Claim. (Cl. 74—389)



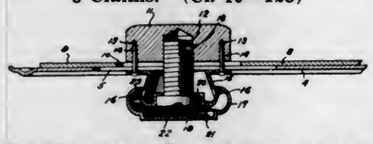
In a device of the character described, spaced vertically arranged hangers positioned between opposed engines, a driven shaft rotatably supported on said hangers, a drive shaft journaled on said hangers, clutches for connecting and disconnecting the drive shaft to said engines, a gear secured on the driven shaft, a second gear meshing with the first gear and journaled on the drive shaft, and a clutch for connecting and disconnecting the second gear with the drive shaft.

2,178,726
TRAILER COUPLING
Walter E. Miller, Ann Arbor, Mich., assignor of one-half to Walter Miller, Sr., Ann Arbor Township, Washtenaw County, Mich.
Application May 10, 1938, Serial No. 207,134
2 Claims. (Cl. 280—33.14)



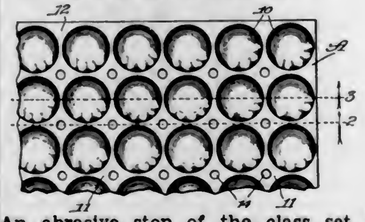
2. A trailer coupling comprising a tubular member having means at one end for attaching to a coupling pin of a draft vehicle, a chain attaching bracket at the other end of said member comprising an elongated plate having one end secured to the outer surface of the member adjacent said other end, the other end of the bracket being off-set in spaced relation from the member and a chain attaching pin connecting the said offset end with the member, said pin having a head within the member for engagement by a draft tongue when inserted in the member to prevent displacement of the pin.

2,178,727
SECURING MEANS FOR LICENSE PLATES
Horace Kirby Owens, Sarasota, Fla., assignor of one-third to Essanbee Holding Company, a corporation of Florida
Application June 15, 1939, Serial No. 279,347
5 Claims. (Cl. 40—125)



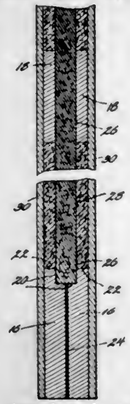
1. Securing means for a license plate and the like, comprising a nut having a socket therein, an arbor, means between the arbor and the nut to prevent the turning of said nut, securing means extending through said arbor into said socket to hold said arbor and nut together to prevent separation, a cap extending over said securing means and arbor, locking means carried by the exterior of said arbor, said cap having a flange to receive said locking means carried by the exterior of said arbor.

2,178,728
RESILIENT ABRASIVE BLANKET
Claude B. Schneible, Chicago, Ill.
Application October 27, 1937, Serial No. 171,389
3 Claims. (Cl. 51—8)



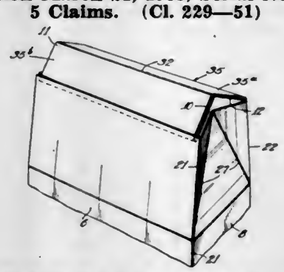
2. An abrasive stop of the class set forth adapted to be attached to a support, said stop comprising a resilient blanket having an even front surface and a rear surface even throughout except as to spaced circular concavities, the even areas between said concavities providing substantially unyielding bases and areas for attachment to said support whereby each of said concavities is adapted to be suspended from said attachment means upon the support.

2,178,729
PANEL
Edward J. Shields, Watertown, Mass., assignor to Hall-Gregg, Inc., Somerville, Mass., a corporation of Massachusetts
Application March 22, 1938, Serial No. 197,457
2 Claims. (Cl. 20—35)



1. A composite insulated panel construction comprising a pair of skeletal structures each having a wood frame and spaced wood rails, the outer faces of said rails being disposed in the plane of the outer faces of the frame, said frames being thicker than the rails, relatively rigid sound insulating material disposed between the faces of the frames, sound insulating material disposed between the faces of the rails and filling the panels therebetween substantially to the plane of the outer faces of said skeletal structures and finishing layers of plywood disposed over the outer faces of said skeletal structures and coextensive therewith.

2,178,730
CARTON
Doris D. Stein, Cedar Rapids, Iowa
Application March 21, 1938, Serial No. 197,060
5 Claims. (Cl. 229—51)



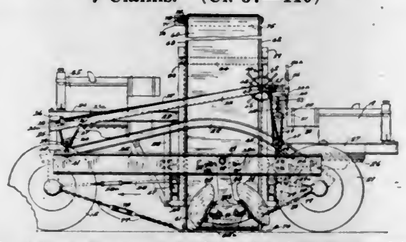
1. A rectangular tubular carton comprising front, rear and side walls, a closure for the bottom of the carton, top closure flaps integral with the upper edges of the walls, each of the side walls being formed with upwardly converging

crease lines extending from points adjacent the opposite edges of the walls, at least one of the front and rear wall closure flaps being provided with a crease line extending substantially centrally of such flap and in a direction parallel with the upper edge of the wall on which such flap is located, whereby assembling the top closure flaps adhesively and then severing the flaps from the front and side walls, will provide a supplemental hinged closure adapted to be folded along the crease line therein to provide a tuck flap section on the outer free edge thereof and, whereby, after inward deflection of the portions of the side walls lying between the upwardly converging crease lines, the tuck flap portion of the supplemental closure may be inserted into the carton to lie along the inner face of the front wall, and the remaining portion of the supplemental closure will be disposed flatwise on the upper severed edges of the side walls in their inwardly deflected condition.

2,178,731

REVERSIBLE DISK EXCAVATING MACHINE

Fred B. Turnham, Long Lake, Minn.
Application February 25, 1938, Serial No. 192,511
7 Claims. (Cl. 37—110)

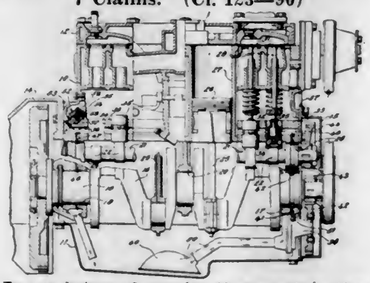


1. An excavating machine having in combination, a frame, supporting wheels therefor, said machine being movable in opposite directions, a supporting means comprising a beam extending longitudinally of said machine and supported on said frame, a conveyor for receiving material and conveying the same to one side of the machine, a bracket pivoted to and depending from said beam, a pair of reversely disposed disks carried on said bracket, said bracket being movable to dispose one of said disks in inoperative position and dispose the other into position for excavating and for directing material onto said conveyor with said machine moving in either direction.

2,178,732

INTERNAL COMBUSTION ENGINE

Carl Voorhies, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 14, 1938, Serial No. 202,022
7 Claims. (Cl. 123—90)

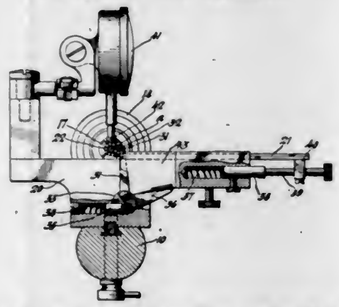


1. In an internal combustion engine, the combination with a plurality of hydraulic valve tappets, of an engine block provided with a like number of cylindrical tappet guide bores through a wall of said block and receiving said tappets, said tappet guide bores having their axes extending in substantially the same direction and lying in a common plane, a straight line passage extending through all of said bores, a source of liquid supply, a pump arranged between and communicating with said source of liquid supply and one end of said straight line passage for furnishing liquid to said tappets, and a pressure relief valve communicating with the other end of said straight line passage.

2,178,733

MICA CIGARETTE WINDING MACHINE

Hartwell W. Webb, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 29, 1936, Serial No. 98,557
6 Claims. (Cl. 242—75)

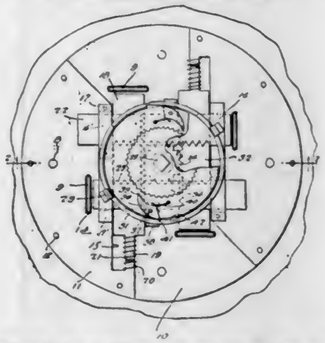


1. In a machine for winding material, a flexible member within which the material may be wound and a shelf over which the material may be advanced into the flexible member and to which one end of the latter is anchored, the shelf being adjustable lengthwise of the flexible member so that the latter may accommodate itself to the increase in diameter of the product as the winding operation proceeds.

2,178,734

WHEEL MOUNTING FOR AUTOMOBILES

Warren P. Woods and Walter E. Smith, Vienna, Ill.
Application June 6, 1938, Serial No. 212,141
3 Claims. (Cl. 301—9)



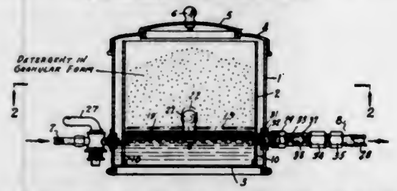
1. A wheel mounting comprising an axle assembly including a disk, a plurality of staples

projecting outwardly from the disk, a wheel also embodying a disk having slotted openings for receiving said staples, bolts slidably carried by the wheel and means for manipulating said bolts into and out of position with respect to said staples to lock the wheel to said axle assembly, said manipulating means embodying racks formed on the bolts, a pinion rotatably carried by the disk of the wheel and a shaft projecting from the pinion for operating the same.

2,178,735

DETERGENT GENERATOR FOR WASHING MACHINES

Robert Behrman, Philadelphia, Pa.
Application August 26, 1936, Serial No. 97,950
9 Claims. (Cl. 299—84)

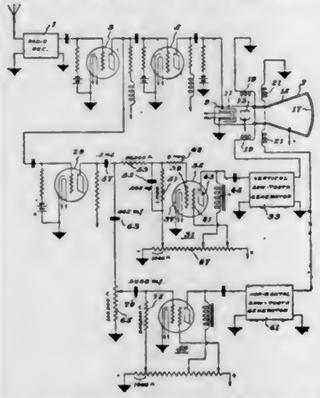


1. A device for generating a cleaning solution comprising a vessel having positioned therein a horizontal foraminous plate having a plurality of pockets formed therein, said plate dividing said vessel into two chambers the upper of which is to receive a supply of detergent in granular form and the lower of which is to receive a supply of water; a water inlet connected to said lower chamber; and a water outlet connected to said vessel and so positioned that said foraminous plate falls between a point slightly above the floor and slightly below the ceiling of said water outlet.

2,178,736

TELEVISION APPARATUS

Richard L. Campbell, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 27, 1935, Serial No. 33,506
3 Claims. (Cl. 178—7.5)



2. In a television receiver wherein a composite signal is received, said signal comprising picture signals and periodically recurring synchronizing signals to said synchronizing signals being of greater amplitude than picture signals of like polarity, a cathode ray tube having deflecting means associated therewith for deflecting the cathode ray, a picture signal channel through which said composite signal is supplied to said cathode ray tube, a synchronizing signal channel having its input circuit coupled to said picture channel and having its output circuit coupled to said deflecting means, an electric discharge tube having a cathode, a control grid and a plate and being located at a point in said synchronizing channel where said synchronizing signals appear on said control grid with a negative polarity, two resistor sections connected in series between said control grid and said cathode, the signals in said synchronizing channel being impressed across only the resistor section adjacent to said cathode whereby any picture signals which may be present are prevented from appearing in the output circuit of said electric discharge tube.

2,178,737

PROCESS FOR HYDROHALOGENATION OF VINYLACETYLENE

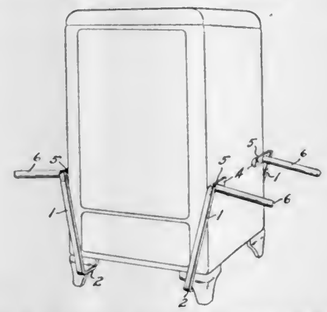
Wallace H. Carothers, deceased, late of Wilmington, Del., by Wilmington Trust Co., Wilmington, Del., executor, and Arnold M. Collins, Wilmington, Del., assignors to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 15, 1937, Serial No. 169,192
16 Claims. (Cl. 260—655)

1. The process which comprises reacting vinylacetylene with a hydrogen halide of the group consisting of hydrogen chloride and hydrogen bromide by distributing vinylacetylene in finely divided form in an aqueous solution of said hydrogen halide, allowing the addition products thereby formed to rise and form a liquid layer above the hydrogen halide solution and drawing off said liquid addition products.

2,178,738

CARRYING IRON

Joseph C. Chenette, Flat Rock, Mich.
Refiled for abandoned application Serial No. 111,791, November 20, 1936. This application July 12, 1939, Serial No. 284,020
7 Claims. (Cl. 294—15)



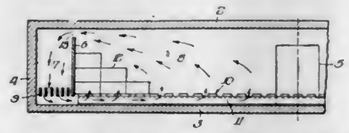
1. In a carrying iron, a metal bar formed to provide a hook at one end, a bearing member extending from the opposite end of the bar and on the same side of the bar as the hook, said bearing member having an arcuate face on one side arranged to engage the article being carried, a hand hold member extending from the opposite side of the bearing member and a continuous rubber sheath extending over all parts of the carrying iron.

2,178,739

FLOOR RACK FOR REFRIGERATOR CARS

Charles E. Crede, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware

Application June 17, 1937, Serial No. 148,629
9 Claims. (Cl. 105—375)



1. In a refrigerator car having a lading compartment and a floor, the combination of a rack for supporting a lading in said compartment comprising a plate formed with a plurality of alternating upper and lower portions connected by webs, said lower portions resting upon said floor and said upper portions having secured thereto a foraminous member to form a plurality of flues below the lading and means to induce an air current in said flues, some of said upper portions having apertures only remote from said means which provide communication between certain of said flues and the lading compartment.

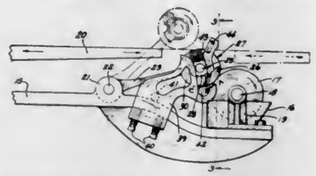
2. In a refrigerator car having a lading compartment and a floor, the combination of a rack for supporting a lading in said compartment comprising a plate formed with a plurality of alternating upper and lower portions connected by webs, said lower portions resting upon said floor and said upper portions having secured thereto a foraminous member to form a plurality of flues below the lading, means to induce an air current in said flues, some of said upper portions having apertures only remote from said means which provide communication between certain of said flues and the lading compartment and means adjacent said first-mentioned means to enclose a portion of one of the flues disposed above one of said lower portions.

2,178,740

CONTROLLING DEVICE FOR PRINTING PRESS DUCTOR ROLLERS

William C. Dennis and Patrick E. Haggerty, Milwaukee, Wis.

Application February 19, 1938, Serial No. 191,372
7 Claims. (Cl. 101—344)



1. In combination with a printing press having a driven ink roll and a reciprocatory ink distributing plate, a revoluble ductor roller oscillated from a position of engagement with the ink roll to a position of engagement with said plate and visa versa, the ductor roller being turned when contacting either the ink roll or the plate, and ratchet means associated with the ductor roller and cooperating with fixed means on the press frame for positively causing a different surface portion of the ductor roller to contact the ink roll than was in contact therewith during the previous engagement of said members.

2,178,741

MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, YARNS, AND THE LIKE

William Alexander Dickie and Percy Frederick Combe Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 21, 1933, Serial No. 681,492. In Great Britain August 6, 1932
8 Claims. (Cl. 18—54)

1. Process for the manufacture of artificial filaments, threads, yarns, ribbons and like products, which comprises extruding a solution of an organic derivative of cellulose in a solvent medium through a shaping device into a coagulating liquid containing a high concentration of the same solvent medium together wtih a non-solvent for the organic derivative of cellulose, and subjecting the coagulated products to a drying operation, the solvent medium comprising a constituent which is less volatile at the drying temperature than is the said non-solvent.

2,178,742

PLUMBITE SOLUTION

Joseph E. Drapeau, Jr., Hammond, Ind., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application July 24, 1935, Serial No. 32,931
5 Claims. (Cl. 252—1)

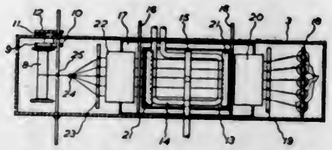
1. A sodium plumbite doctor solution containing a higher percentage of sodium plumbite than can normally be maintained in aqueous solution under the same conditions comprising a solution of litharge in an excess of caustic soda over that necessary to form sodium plumbite with the litharge, and between 0.25% and 5%, based on the litharge content, of a water soluble polyhydroxy compound selected from the class consisting of water soluble polyhydroxy acids, water soluble salts of polyhydroxy acids in which the cations consist of monovalent ions, water soluble polyhydroxy alcohols, water soluble polyhydroxy phenols and water soluble saccharoses.

2,178,743

MANUFACTURE OF ARTIFICIAL MATERIALS

Henry Dreyfus, London, and Robert Wighton Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application May 12, 1938, Serial No. 207,579
In Great Britain May 21, 1937
10 Claims. (Cl. 28—59)



1. Process for the treatment of artificial filaments, foils, films and similar materials, which comprises stretching them during their travel from one point to another and while they are in actual contact with a liquid medium which is at a temperature above its boiling point at atmospheric pressure and which is contained in a closed or substantially closed vessel and maintaining within the vessel a pressure greater than that corresponding to the vapour pressure of the liquid medium at the said temperature by means of a gas in the vessel.

2,178,744

COLORATION OF TEXTILE MATERIALS

George Holland Ellis and Charles Finley Topham, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 20, 1937, Serial No. 170,053. In Great Britain November 9, 1936
7 Claims. (Cl. 8—24)

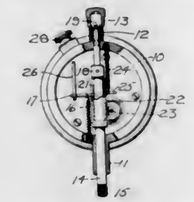
1. Process for the coloration with azo dyestuffs of mixed textile materials containing filaments, yarns or the like of organic derivatives of cellulose and cellulosic filaments, yarns or the like, which comprises impregnating the materials with the diazotizable base component and the coupling component of the dyestuff for the organic derivative of cellulose constituent of the materials and with the diazotizable base component of the dyestuff for the cellulosic constituent of the materials, and then effecting diazotization of the diazotized bases and the coupling of the coupling component for the cellulose derivative dyestuff, and then coupling with a coupling component of the dyestuff for the cellulosic constituents.

2,178,745

SHOCKPROOF DIAL INDICATOR

Alfred H. Emery, Poughkeepsie, N. Y., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York

Application May 20, 1938, Serial No. 208,965
3 Claims. (Cl. 33—172)



1. In a gear driven dial indicator comprising a body member, a contact plunger slidably mounted for movement with respect to said body member, means cooperating with said body member and said plunger for urging said plunger to extended position, a movement transmitting member slidably mounted upon said plunger within the body, resilient means connected with the body of the indicator and with said member for urging said member in a direction opposite to that in which said plunger is urged, and means to limit the movement of said member with respect to said plunger and of said plunger with respect to the body of the indicator.

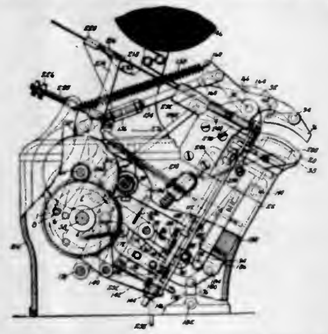
2,178,746

SEAM PRESSING AND REINFORCING MACHINE

Andrew Eppler, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 3, 1937, Serial No. 146,300
14 Claims. (Cl. 12—51)

1. In a machine for operating on a seamed shoe part, the combination of a support for the shoe part, a seam pressing tool of sufficient length to engage the entire length of the seam simultaneously, means for holding the shoe part stationary upon the support, means for moving the pressing tool into engagement with the seam, and means for oscillating the pressing tool while



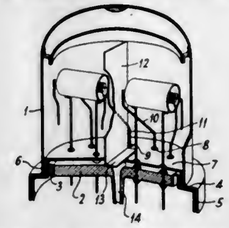
it is in engagement with the entire length of the seam and while the shoe part is stationary.

2,178,747

SHIELDED METAL DISCHARGE TUBE

Werner Espe, Berlin-Siemensstadt, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung", Berlin, Germany, a corporation of Germany

Application January 6, 1939, Serial No. 249,585
In Germany March 22, 1938
2 Claims. (Cl. 250—27.5)



2. An electron discharge device comprising a cylindrical metal envelope, a header for closing the end of said envelope comprising a ring U-shaped in cross section with an annular flange joined gas-tight to the rim of the envelope, a vitreous disc sealed gas-tight in an opening in the wall of the ring, lead-in conductors sealed gas-tight through said disc, a plurality of electrode assemblies mounted side by side on said conductors, and means for shielding said electrode assemblies from each other and from external electrical disturbances comprising a metal plate parallel to said disc and joined to said ring in the envelope, and a partition erected on said plate between said electrode assemblies.

2,178,748

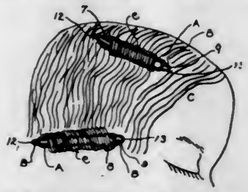
DEVICE FOR HOLDING AND CURLING HAIR

Anna E. Farrell, Seattle, Wash.

Application December 23, 1938, Serial No. 247,397
2 Claims. (Cl. 132—40)

1. A device for holding, stretching, and curling hair, comprising, an outer and an inner pair of legs, said outer pair of legs in substantially elongated U formation, open eyes on the free ends of the legs of such outer pair, said inner pair of legs in substantially elongated V formation, and greater in length than said outer pair, and slidably mounted through said eyes,

and adapted for lateral and horizontal movements for binding the end of a lock of hair against said outer legs, and for expanding and retracting the space between said outer legs for



tightening and loosening said outer legs within a coil of hair, and further adapted for latching one side of a roll of hair between said two pairs of legs and close to the head and scalp adjacent said hair.

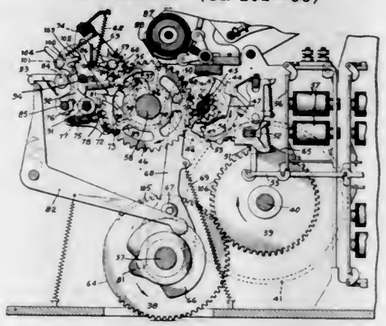
2,178,749

PRINTING MECHANISM

Frederick L. Fuller, West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 1, 1936, Serial No. 113,590

19 Claims. (Cl. 101—96)



1. In a printing machine, in combination, a platen, a plurality of type gear wheels in axially aligned position and each mounted for a rolling movement about its axis and a rocking motion about a pivot from the axially aligned position to select a type for printing and to cause the selected type to impact said platen, means for differentially setting said type gear wheels while in axially aligned position, and a single means for each type gear wheel comprising a normally tensioned spring for causing the type gear wheel to roll about its axis and during such movement rock about its pivot from its axially aligned position to cause the selected type to impact said platen.

2,178,750

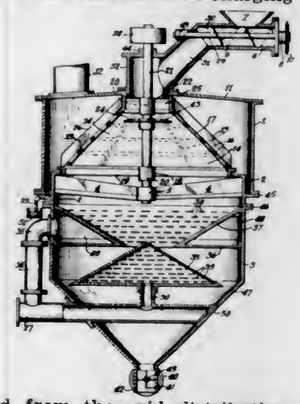
CENTRIFUGAL DRIER

Claude M. Garland, Chicago, Ill.

Application March 17, 1938, Serial No. 196,334

4 Claims. (Cl. 34—10)

1. In a centrifugal drier of the type described, a shell, a material charging device mounted near the top of the said shell and adapted to supply material thereto, a material discharging device located near the bottom of the said shell and adapted to discharge material therefrom, a shaft vertically mounted within the said shell and adapted to rotate therein, a distributing device 24 mounted on the said shaft adapted to receive material discharged from the said material discharging device, a truncated conical member supported from the said shaft and adapted to receive on its inner sides material from the said distributing device, means for rotating the said shaft, the said distributing device and the said truncated conical member whereby materials charged to the shell by means of the said material charging device is



distributed from the said distributing member onto the inner surface of the said truncated conical member, an inverted truncated perforate cone beneath the said truncated conical device, means for discharging gases through the perforations in the said inverted truncated cone, and a gas outlet near the top of the said shell.

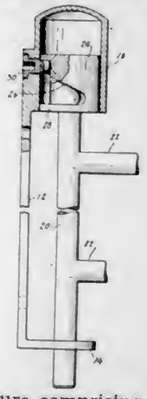
2,178,751

SWINGING SIGN

Chester W. Glasgow, Detroit, Mich., assignor, by direct and mesne assignments of one-half to Margaret Esther Glasgow, and one-half to Arthur F. Jackson, both of Detroit, Mich.

Application April 28, 1938, Serial No. 204,829

2 Claims. (Cl. 248—289)



1. A sign structure comprising a bracket having a back provided with spaced apart aligned upper and lower end portions, said lower end portion having a pivot aperture, said upper end portion being in the form of a cylindrical cap open at the bottom and closed at the top, a sign panel having upper and lower pivot portions, said lower pivot portion receivable within the pivot aperture of the lower end portion of the bracket, said upper pivot portion terminating in a cylindrical enlargement having a diameter to be snugly receivable within and rotatably and axially slidably disposed within said cap, said cylindrical enlargement cut away providing a circular cam trackway, a supporting pin carried by the wall of the cap projecting interiorly thereof underneath said trackway for slidable movement of the trackway thereover upon the swinging of the sign panel, said cylindrical enlargement having a portion below said cam trackway closing the open end of the cap therebelow and below said supporting pin.

2,178,752

PREPARATION OF ANHYDRIDES BY THE USE OF KETENE

Anthony H. Gleason, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application August 13, 1931, Serial No. 556,940. Divided and this application March 6, 1936, Serial No. 67,417

23 Claims. (Cl. 260—546)

14. Process for the preparation of mixed anhydrides, comprising reacting ketene with an organic carboxylic acid other than acetic acid.

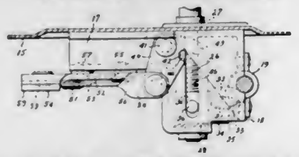
2,178,753

REGULATOR AND LOCK FOR SWINGING PANELS

Alfred S. Greif, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application November 1, 1937, Serial No. 172,081

4 Claims. (Cl. 268—120)



1. An operating and locking mechanism for a window panel which is adapted to close and open a window opening or part thereof, comprising in combination, a swinging panel, an operator including a screw threaded spindle, a nut on the spindle arranged to be reciprocated along the length thereof, said nut having a notch, an abutment surface on one side of the notch, a projection on the other side of the notch extending beyond the abutment surface, a crank for swinging the panel and arranged to be engaged in the notch, said nut being movable to a point where the crank becomes disengaged from the notch and rests upon the abutment surface, at which time the panel is closed, and locking means operably associated with the nut independently of the crank to be actuated into panel-locking position as the nut is moved while the crank rests and slides upon the abutment surface in a direction away from the notch, and to be moved into unlocking position as the nut moves while the crank rests and slides upon the abutment surface in a direction toward the notch, said projection serving to engage the crank and urge the same into the notch upon continuation of last named movement of the nut.

2,178,754

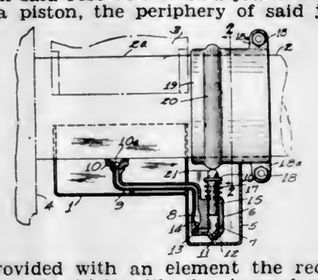
JOURNAL LUBRICATOR

James J. Hennessy, New York, N. Y.

Application September 28, 1936. Serial No. 102,876

13 Claims. (Cl. 308—84)

1. In combination, a railway vehicle journal and a lubricant reservoir therefor, said journal in operation reciprocating axially to move relatively to said reservoir, a pump for feeding lubricant from said reservoir to said journal and including a piston, the periphery of said journal



being provided with an element the reciprocal movement of which with the journal actuates said piston a constant distance irrespective of the extent of reciprocation of said journal beyond a predetermined minimum.

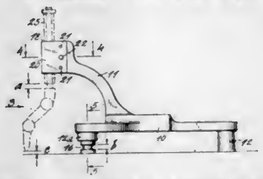
2,178,755

CASTER PENHOLDER

Oscar M. Johnson, Denver, Colo.

Application October 29, 1937, Serial No. 171,806

18 Claims. (Cl. 120—107)



1. A caster pen support comprising, in combination, a base adapted to slide on a flat supporting surface, a bracket attached to the base and extending upwardly therefrom adjacent an edge thereof, means, comprising a clamp, carried by the bracket, adjacent its upper end for attaching a caster pen handle and for holding it in a position substantially vertical with respect to the plane of the under surface of the base and to one side of the base, and a resilient member interposed between the clamping means and the surface on which the base rests for yieldingly holding the clamping means a predetermined distance above the supporting surface.

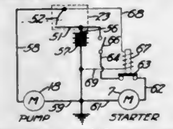
2,178,756

LUBRICATING SYSTEM

William E. Joost, Oakland, Calif.

Application May 17, 1937, Serial No. 143,000

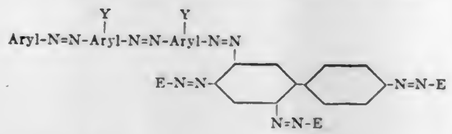
6 Claims. (Cl. 123—196)



1. The combination with an engine having a starting mechanism and a pressure lubrication system through which lubricant flows when said engine is operating, of means for instituting and for maintaining during a predetermined interval of time a disruptable flow of lubricant through said system when said engine is inactive, and means for rendering said engine starting mechanism inactive during institution of said flow, while said instituted flow of lubricant is passing through said system until said flow is disrupted.

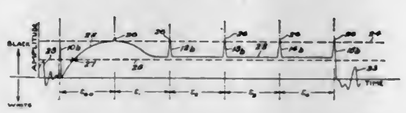
2,178,757
AZO DYES
Henry Jordan and Swanie S. Rossander, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 3, 1937, Serial No. 151,962
6 Claims. (Cl. 260—144)

1. A compound represented by the formula:



in which Y is one or more of the group consisting of hydrogen, halogen, alkyl, alkoxy, carboxy, and sulfonic acid, the end Aryl has a single nucleus from the class consisting of benzene, naphthalene, diphenyl, and phenyl-alkyl-pyrazolone, the middle components have each a single nucleus from the class consisting of benzene, naphthalene, diphenyl, and E is an azo dyestuff coupling component having a single nucleus from the class consisting of benzene, naphthalene, diphenyl, phenyl-alkyl-pyrazolone, and acetoacetanilide, and the compound has at least one water-solubilizing group.

2,178,758
TELEVISION SYSTEM
Ray D. Kell, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1931, Serial No. 565,953
Renewed November 19, 1937
6 Claims. (Cl. 178—6.8)



1. In a television system, means for developing electrical effects for framing purposes, said means including a rotatable member provided for such purposes with an aperture having a configuration similar to that of half a sine wave and provided with a slit-like opening extending from said aperture to constitute a tail portion thereof.

2,178,759
CIRCULAR KNIT GOODS COMPRISING HIGH TENACITY RAYON
Manfred Keller, Syosset, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1936, Serial No. 87,325. Renewed October 28, 1938
2 Claims. (Cl. 66—202)

1. As a new article of manufacture, sheer circular knit goods comprising high tenacity rayon thread produced from viscose, said thread having a denier of less than 65, a percentage elongation not in excess of 15, and a wet tenacity of at least 1.5 grams per denier, said thread being composed of a plurality of fine filaments twisted together with about 6 turns per inch.

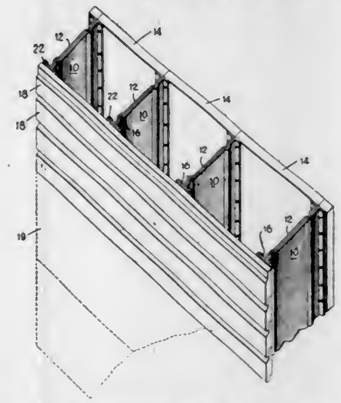
2,178,760
PROCESS FOR THE DEHYDROGENATION OF HYDROXY CARBOXYLIC ACIDS AND ESTERS THEREOF
Wilbur Arthur Lazier, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 14, 1935, Serial No. 6,487
21 Claims. (Cl. 260—411)

18. The process which comprises heating a mixture of hydrogenated castor oil and a nickel catalyst prepared by the hydrogen reduction of an oxygen-containing nickel compound at a temperature within the range of 250° to 500° C. and supported on an inert porous carrier to a temperature of about 184° to 273° C. for about 6 hours and recovering the ketostearin formed.

2,178,761
CATALYTIC FORMATION OF LONG-CHAIN ALDEHYDES
Wilbur A. Lazier, New Castle County, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 19, 1935, Serial No. 27,375
15 Claims. (Cl. 260—603)

1. A process for the dehydrogenation of an aliphatic long-chain primary alcohol to the corresponding aldehyde which comprises the step of bringing said alcohol into contact with a catalyst comprising a dehydrating metal intimately associated with chromium sesqui-oxide at a pressure less than 50 atmospheres and at a temperature within the range of 50° and 450° C., said temperature being sufficiently elevated to cause the evolution of hydrogen.

2,178,762
BUILDING CONSTRUCTION
Robert W. McLaughlin, Jr., New York, N. Y., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware
Application May 15, 1937, Serial No. 142,814
6 Claims. (Cl. 189—34)

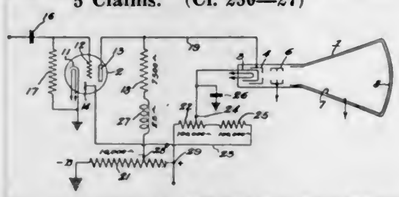


6. A building construction comprising a plurality of trough-shaped units, each formed of a wall panel with studs along opposite edges respectively, said units being aligned with respective panels aligned and with studs of adjacent panels internested, a wall element extending along what would otherwise be the open sides of said trough-shaped units, and interlocking elements secured to the inner side of the wall element each of which interlocks and binds together two internested studs whereby said trough-shaped units are held together as a self-supporting, wall construction.

2,178,763
PURIFICATION OF CADMIUM
William J. O'Brien, Gates Mills, Ohio, assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 12, 1938, Serial No. 224,509
14 Claims. (Cl. 75—71)

8. The process of purifying cadmium sponge containing zinc, which comprises gradually adding the wet freshly precipitated sponge to molten caustic soda containing borax, and a salt selected from the class consisting of alkali and alkaline earth chlorides and fluorides, heating to between about 350° C. and about 450° C. to reduce the cadmium to the molten state, continuing the heating until all of the water has been removed as evidenced by disappearance of foaming, finally heating to about 550° C. and separating the purified cadmium from the spent caustic.

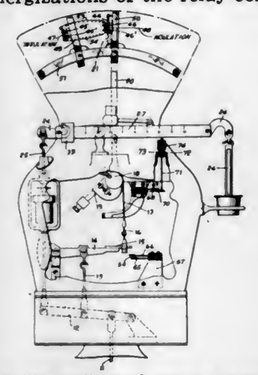
2,178,764
PROTECTIVE CIRCUITS
Waldemar J. Poch, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1936, Serial No. 81,809
5 Claims. (Cl. 250—27)



5. In combination, a cathode ray tube having a control grid and a cathode which is electron-emissive when heated, an amplifier tube having a plate and a cathode which is electron-emissive when heated and also having an auxiliary diode plate, a direct conductive connection between said first plate and said control grid, a voltage divider having positive and negative terminals, a circuit in shunt to said voltage divider, said circuit including a resistor having one end connected to said positive terminal and having the other end connected to said diode plate, a direct current connection between the cathode of said cathode ray tube and a point on said resistor, a connection between the cathode of said amplifier tube and said negative terminal, and a plate resistor connected between the plate of said amplifier tube and a point of said voltage divider which is less positive than said positive terminal.

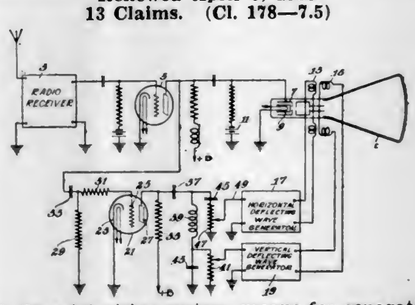
2,178,765
AUTOMATIC SCALE
Matthew T. Thorsson, East Williston Park, Long Island, and Albert C. Holt, New York, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 22, 1937, Serial No. 121,802
11 Claims. (Cl. 249—63)

1. A scale for measuring out predetermined weights of material; comprising weighing mechanism including a load receiver, material feeding means for feeding material to the receiver, a relay coil, means controlled by the weighing mechanism in response to successive additions of weight of material to the receiver for effecting successive energizations of the relay coil, circuits



controlled by the coil, and means controlled by the circuits upon successive energizations of the coil for first diminishing the feed of material as the predetermined weight is approached and then for cutting off the feed entirely as the predetermined weight is reached.

2,178,766
TELEVISION APPARATUS
William A. Tolson, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 28, 1934, Serial No. 717,715
Renewed April 6, 1939
13 Claims. (Cl. 178—7.5)

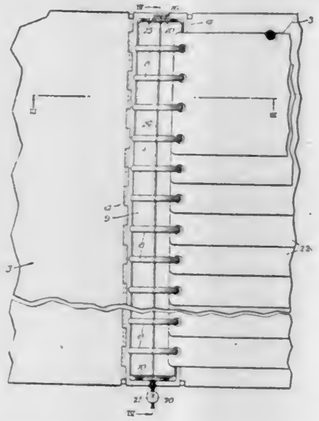


1. In a television system, means for separating picture signals from synchronizing signals, said means comprising an electric discharge tube having a cathode and a control electrode, an input impedance unit upon which said picture and synchronizing signals may be impressed, one end of said impedance unit being connected to said cathode, and a second impedance unit connected between the other end of said first impedance unit and said control electrode.

2,178,767
LOOSE LEAF BINDER
Paul O. Unger, Elmhurst, and John Howard Talmage, Chicago, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application April 2, 1937, Serial No. 134,486
6 Claims. (Cl. 129—24)

1. In a loose leaf binder, a plurality of divided ring members, a pair of upstanding triggers

operatively connected to said ring members so as to move outwardly whenever said ring mem-



bers are opened, and means connected directly to said triggers for sealing said triggers against outward movement.

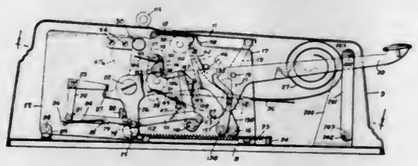
2,178,768

AUTOGRAPH TIME RECORDER

Edward J. Von Pein, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application September 15, 1938, Serial No. 230,073

16 Claims. (Cl. 234—41)



1. In a time recorder, record printing means, a record sheet, sheet driving means adapted to move the sheet in either of two opposite directions, means for selectively actuating said driving means various predetermined amounts in the suitable one of said directions to move a desired sheet zone into printing position, and means for independently and selectively actuating said driving means various predetermined smaller amounts in the suitable one of said directions to position a selected portion of said zone to receive a printed record.

2,178,769

VOLTOLIZATION OF MINERAL OILS AND PRODUCTS THEREOF

Peter J. Wiezevich, Elizabeth, N. J., now by judicial change of name to Peter J. Gaylor, assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 11, 1936, Serial No. 58,780

5 Claims. (Cl. 204—31)

1. A process of preparing an anti-oxidizing hydrocarbon composition for use in lubricating oil, which comprises treating crude petroleum oil with a selective solvent to remove the non-paraffinic components, thereby obtaining a paraffin-free oil containing aromatic, olefinic, naphthenic, and asphaltic components of said oil, and then subjecting the resultant paraffin-free portion of the treated oil to silent electric discharge polymerization, thereby obtaining a polymerized hydrocarbon oil having high oxidation resistance properties.

5. An anti-oxidant blending agent for use in refined petroleum lubricating oil, which comprises a viscous silent electric discharge polymerization product of a non-paraffinic solvent extract from a crude petroleum oil, said polymerization product being characterized as consisting essentially of polymens formed by mixed cyclic and unsaturated hydrocarbon high boiling petroleum components in the absence of paraffinic petroleum components, by having a viscosity above 1000 Saybolt seconds at 210° F., having miscibility with refined petroleum lubricating oils, and by having ability to reduce the oxidation rate of refined petroleum lubricating oils.

2,178,770

PULVERULENT DRY COMPOUND FOR FORMING PAINTS, PLASTICS, AND CEMENTS

William Zaisser, Woodside, N. Y., assignor of one-half to Harry S. Walker, New York, N. Y.

No Drawing. Application April 6, 1938, Serial No. 200,426

31 Claims. (Cl. 106—32)

1. A dry, coating compound comprising a dry pulverulent pitch, having a tendency to coalesce in storage, and a dry pulverulent aggregate admixed therewith, to prevent coalescence of the mix; the pitch being finely pulverized enough to be quickly and completely dissolved by a suitable cold solvent to form a freely flowing easily brushable paint.

2,178,771

LIGHT-SENSITIVE LAYER AND METHOD OF MAKING SAME

Roelof Jan Hendrik Alink and Jan Hendrik de Boer, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

No Drawing. Application October 4, 1935, Serial No. 43,636. In Germany October 10, 1934

6 Claims. (Cl. 95—6)

1. In the method of manufacturing from a diazonium compound component, a coloring component and an alkaline-reacting substance, a light-sensitive layer capable of image development after exposure merely by the action of moisture and without the addition or removal of any chemical substance, the steps of applying at least the last applied of said components in its powdery state to a dry carrier, and applying to the dry carrier an alkaline-reacting powder and a powder yielding upon image development a hydroxide having a low solubility.

4. A light-sensitive layer on a suitable base and capable of image development after exposure merely by the action of moisture and without the addition or removal of any chemical substance, comprising a diazonium compound component impregnated within a surface portion of the base, a coloring component, an alkaline-reacting powder, and a powdery substance which yields a hydroxide of low solubility during development of the layer, said alkaline-reacting powder and said powdery substance adhering to the surface of the base as powders.

2,178,772

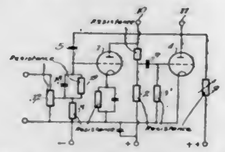
TWO-TUBE DEFLECTING CIRCUIT

Herbert Bähring, Berlin-Zehlendorf, Germany, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany

Application September 16, 1936, Serial No. 101,175

In Germany October 10, 1935

1 Claim. (Cl. 250—36)



A sawtooth wave generator comprising an electron discharge device having an anode, cathode and control electrode; an input circuit including a resistance and a condenser shunted resistance in series, connected between said cathode and control electrode; a source of potential, a circuit connecting said anode and cathode and including said source of potential; a condenser; a charging circuit for said condenser including in series with said condenser, said source of potential, a resistance and at least a portion of said input circuit; and a second electron discharge device including an anode and cathode, means connecting the anode-cathode impedance of said second electron discharge device in shunt across said condenser and said portion of said input circuit, said second electron discharge device having an output circuit connected between its anode and cathode including said source of potential and said charging circuit resistance, means controlling said second electron discharge device from the circuit connecting the anode and cathode of said first discharge device, and means for interconnecting the anodes of both said discharge devices for deriving deflecting potentials from said generator.

2,178,773

SILICON CARBIDE AND MANUFACTURE THEREOF

Raymond C. Benner, Romie L. Melton, and John A. Boyer, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application November 13, 1935, Serial No. 49,518

9 Claims. (Cl. 23—208)

3. The method of making silicon carbide which comprises continuously passing a mixture of sand and carbon through a tubular furnace chamber, the central portion of which is heated to at least the temperature of formation of silicon carbide, and maintaining the said mixture out of contact from the walls of the furnace in the cooler portions of the furnace chamber, whereby the said mixture is prevented from sticking.

7. As a new article of manufacture, a crude furnace product composed of individually separated crystals of silicon carbide which are individually and separately developed and substantially free from faces produced by artificial fracture.

2,178,774

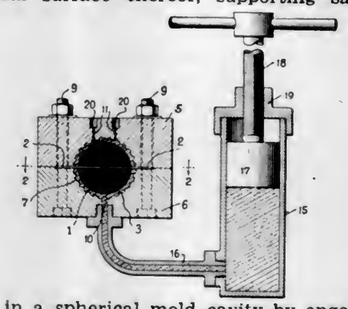
METHOD OF MAKING A GOLF BALL

Boris Bogoslowsky, New York, N. Y.

Application June 18, 1937, Serial No. 148,868

3 Claims. (Cl. 154—17)

1. The method of making and covering a golf ball which comprises winding a spherical ball body on a mandrel extending diametrically therethrough and projecting radially beyond the peripheral surface thereof, supporting said ball



body in a spherical mold cavity by engagement of said mandrel with the walls of said mold, and injecting covering material into said cavity.

2,178,775

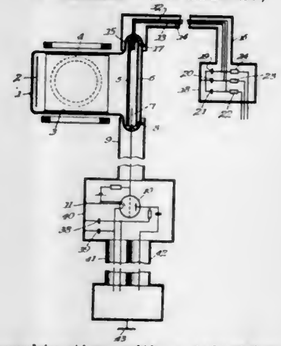
MEANS OF ELIMINATING INTERFERENCE CAUSED BY INDUCTION IN ELECTRON TUBES

Walter Bünger, Berlin-Zehlendorf, and Hans-Wolfgang Langenwalter, Klein-Machnow, Germany, assignors to the firm Fernseh A. G., Zehlendorf, near Berlin, Germany

Application July 23, 1937, Serial No. 155,322

In Germany August 8, 1936

3 Claims. (Cl. 250—27)



1. In combination with a television transmitting tube, means for shielding signal carrying leads from potential carrying leads comprising a plurality of extruded portions formed on said tube, potential leads and signal leads disposed separately through said extrusions and sealed therein, inner shielding means surrounding said leads and extending into said extruded portions of said tube, external shielding members individually associated with said signal and potential carrying leads, and means for connecting each of said external shielding means separately to said internal shielding means and means for grounding said external shielding means.

2,178,776

HAIRPIN REMOVER

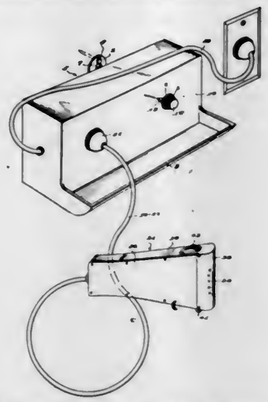
Eugene Byrn, Johnston City, Ill., assignor of fifty per cent to Exur Lapinski, Johnston City, Ill.

Application March 7, 1939, Serial No. 260,379

2 Claims. (Cl. 132—1)

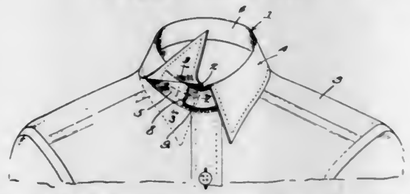
1. A hairpin remover comprising a movable implement having a controllable magnet therein, a

second magnet, and means whereby the first magnet can be deenergized when brought into the magnetic field of the second magnet to permit the



removal of hairpins from the implement, and switch means whereby the second magnet can be deenergized to permit gravitation of the collected hairpins.

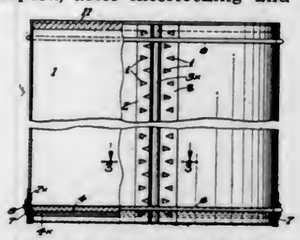
2,178,777
SHIRT COLLAR
Chauncey C. Chapel, Peabody, Kans.
Application September 9, 1937, Serial No. 163,143
1 Claim. (Cl. 2—127)



A collar comprising a wall embodying inner and outer layers defining a pocket therebetween, the outer layer having an opening giving access to the pocket, the wall being provided with transversely projecting over-lapped tongues bridging the space between the ends of the wall, one tongue having a free end longitudinally slidable in the pocket and insertible thereinto through the opening, the tongues having button holes, and the button hole of said one tongue being enlarged and elongated to afford free longitudinal sliding movement of said one tongue on a collar button and corresponding to the sliding movement of said one tongue in the opening and in the pocket.

2,178,778
CONTAINER AND SEAM CLOSURE THEREFOR
Hugh F. Curry, Englewood, N. J.
Application May 3, 1938, Serial No. 205,666
2 Claims. (Cl. 229—48)

1. A container comprising a body piece of flexible material adapted to be bent into cylindrical form, a flanged staple strip having teeth connecting it with the body piece at one marginal edge thereof, a second staple strip having teeth connecting it with the body piece at the opposite marginal edge thereof and formed with a flange adapted to interlock with the flange of the first-named staple strip, the said staple strips flanges being adapted, after interlocking and compres-



sion, to move the longitudinal edges of the body piece into mutual abutment.

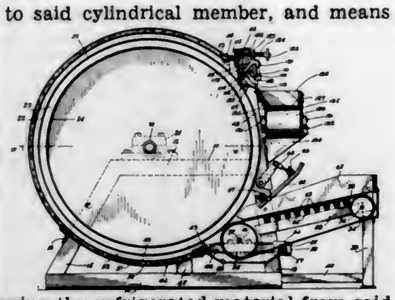
2,178,779
MULTIPLE GARMENT RACK
Ernest R. Davidson, Quincy, Mass.
Application May 6, 1938, Serial No. 206,375
3 Claims. (Cl. 211—87)



2. A multiple garment rack comprising a series of interconnected extension members and grooved rings, the said extension members having a closed loop on one end and a combined open loop and reversely curved hook on the other end, the closed loop of one extension member and the reversely curved hook of a second extension member adapted to swivel around the grooves of said rings, means for supporting the upper portion of said rack and anchoring the lower end of said rack.

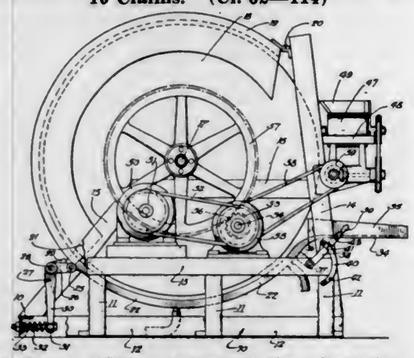
2,178,780
DAIRY PRODUCT CHILLING DEVICE
Charles Doering, Chicago, Ill., assignor of one-half to Henry Doering, Chicago, Ill.
Application March 25, 1936, Serial No. 70,788
9 Claims. (Cl. 257—96)

9. In a device of the character described, the combination with a frame, of a cylindrical member journalled for rotation on said frame, means for refrigerating the surface of said cylindrical member, means for feeding plastic material to the surface of said cylindrical member, means confronting said feeding means for compressing the material into and discharging slab-like formations to said refrigerated cylindrical member, an extended surface shaped to conform with the configuration of said cylindrical member and externally spaced therefrom to define a refrigerated path for the material from said feeding means, means for adjusting said last named surface relative to said cylindrical member, and means for



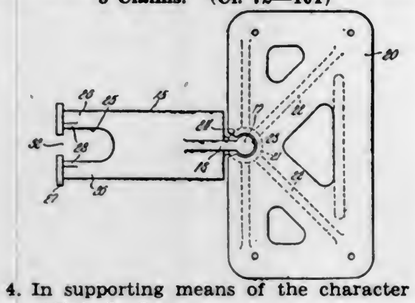
removing the refrigerated material from said cylindrical surface.

2,178,781
CHILLING MACHINE
Charles Doering, Chicago, Ill., assignor of one-half to Henry Doering, Chicago, Ill.
Application October 12, 1936, Serial No. 105,262
10 Claims. (Cl. 62—114)



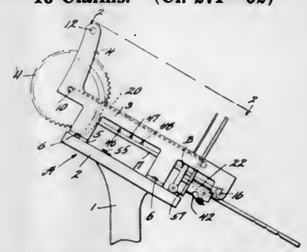
1. In a chilling device of the character described, the combination with inclined stationary surface means for enabling the gravity displacement of edible substances along a predetermined path, of chilled means for effecting the traverse of said substances beyond said path and for converting the edible substances to a chilled solid state, and means for circulating a tempering fluid through said stationary surface means to facilitate the transfer of the substances to said chilling means.

2,178,782
WALL SUPPORT
Charles W. Dunlap, Chicago, Ill., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill., a corporation of Illinois
Application November 10, 1938, Serial No. 239,778
5 Claims. (Cl. 72—101)



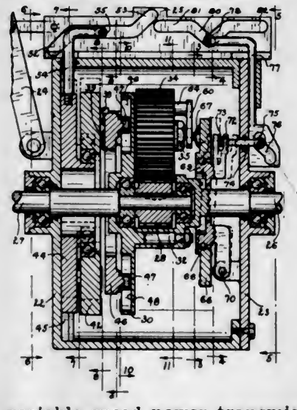
4. In supporting means of the character described, a wall anchor comprising a body provided at its outer end with upwardly extending flange elements spaced apart for receiving between them a securing member, and a shelf member, the latter and said anchor, at its inner end, having cooperating means for supporting said shelf member.

2,178,783
PAPER FEEDING AND RELOADING MECHANISM
Albert Benwell Egger, Jackson, Miss., assignor of one-fourth to W. I. Dement, Jackson, Miss.
Application April 23, 1938, Serial No. 203,920
13 Claims. (Cl. 271—62)



1. In a stock feeding mechanism, an inclined base plate, magazine gauge members, a pair of stock engaging followers, and means to move the followers for stock feeding purposes upwardly with respect to said base plate to a predetermined point, additional means associated with said gauge members for retaining one of the followers at said point, means for effecting return of the other follower down said inclined base plate to its initial position, and means for interconnecting the followers to again effect their simultaneous movement in the same direction for stock feeding purposes.

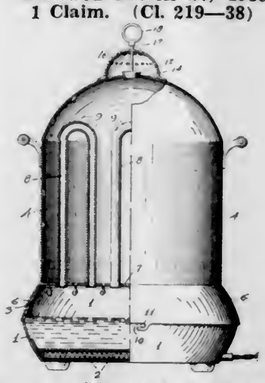
2,178,784
VARIABLE SPEED TRANSMISSION
William E. Ewart, Seattle, Wash.
Application November 17, 1937, Serial No. 175,132
13 Claims. (Cl. 74—115)



1. In a variable speed power transmission the combination of, axially aligned driving and driven shafts, a driven gear secured to said driven shaft; a driving gear disposed for revolution about the axis of said driving and driven shafts; supporting means for said driving gear fixedly secured to said driving shaft; a revolvable plate disposed substantially coaxial with said shafts;

means for positioning said plate to selectively provide concentric positioning or eccentric positioning with respect to said shafts; self aligning driving means adapted to operatively couple said revolvable plate and the said support for the driving gear; clutching means adapted to operatively connect said driving gear with said revolvable plate and means for operating said clutching means.

2,178,785
HEATER
Addie E. Fadel, San Francisco, Calif.
Application February 23, 1937, Serial No. 127,078
Renewed March 27, 1939
1 Claim. (Cl. 219—38)



A heater comprising a lower water compartment having an open top with a converging upper end; a heating element mounted within said water compartment for heating water therein; and a steam compartment having a closed top and a flaring flange for seating on the converging top of the water compartment and also having an apertured bottom for draining water from steam condensed in said steam compartment into said water compartment.

2,178,786
PURIFICATION OF ALKYL SULPHATES
Egi V. Fasce and Emile C. Rolfs, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 29, 1935, Serial No. 52,199
10 Claims. (Cl. 260—459)

1. Process for separating inorganic salts from crude alkyl sulphates containing same and water, comprising adding a substantially anhydrous water-soluble volatile organic liquid, capable of forming a constant boiling mixture with water and vaporizable at a temperature below that at which said alkyl sulphates decompose, to the said crude alkyl sulphates, evaporating a substantial portion of said added organic liquid by heating, whereby the water content of the remaining alkyl sulphate composition is reduced and inorganic salts are precipitated therefrom, separating the precipitated inorganic salts and recovering an alkyl sulphate of increased purity.

2,178,787
PROCESS FOR PREPARING FISH AND PRODUCT THEREOF
Thomas Slade Gorton, Jr., Evanston, Ill.
No Drawing. Application January 12, 1939, Serial No. 250,574
4 Claims. (Cl. 17—45)

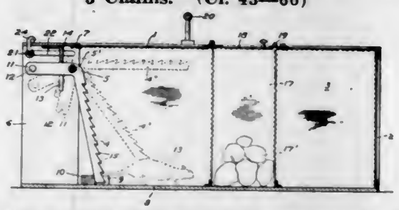
1. Process of preparing fish for market which consists in deheading and gutting the fish, thoroughly cleaning the entrails from the belly pouch of said fish, stuffing said belly pouch with edible material adapted for preservation by freezing, freezing said stuffed carcass, and after said carcass is frozen then slightly defrosting the surface of the same but only to the point where the skin will peel off without tearing the flesh, and finally removing the skin while the carcass is still frozen rigid and before it is further thawed out.

2,178,788
ARM REST
William R. Haines, Long Beach, Calif.
Application March 30, 1938, Serial No. 198,907
1 Claim. (Cl. 155—198)



In a device of the kind described, an arm rest plate having a trunnion projecting from each end thereof, each of said trunnions as viewed in cross section having a round portion and a polygonal portion with angularly related sides, two brackets secured to a wall in a parallel, spaced apart relation to each other, each of said brackets having a socket with angularly related sides which alines with the socket of the other, each polygonal trunnion portion having a slidable nonturnable fit in the socket at its side of the device, said plate being shiftable to bring said polygonal portions of said trunnions into or out of engagement with said sockets whether said plate is in a projecting or a pendent position, and a spiral tension spring extending between one of said brackets and said plate, said brackets having straight wall abutting sides except for being notched in their mid-length portions, thus providing clearances under the applied brackets, a portion of said spring passing through the notch of one of said brackets, said spring having a loop portion which encircles one of said trunnions and has a bearing on a shoulder formed on the inside of one of said brackets, said spring tending to shift said plate into the position wherein its said trunnions are non-turnable in relation to said brackets.

2,178,789
ANIMAL TRAP
Walter S. Heath, Bakersfield, Calif.
Application January 12, 1937, Serial No. 120,262
3 Claims. (Cl. 43—66)



1. An animal trap comprising a cage having sides, a top, and a bottom, one of the sides comprising a horizontal row of spaced substantially L-shaped bars in inverted position with the base of each bar uppermost and substantially horizontal and with the leg substantially vertical but normally inclined slightly inwardly relative to the interior of the cage from its juncture with the base to the lower free end thereof, a horizontal bar pivotally mounting said bars thereon at the juncture of the base and leg of each bar for supporting the bars with the free ends of the legs adjacent the bottom and for swinging the legs inwardly and upwardly into the cage, the base of each bar extending from said rod in a direction outwardly of the cage, the base of each bar being of a weight to substantially counterbalance the weight of the leg thereof for facilitating the inward swinging of the leg while permitting the leg to swing by gravity to its normally inclined position, said bars being adapted to swing independently of each other on said rod, and means for swinging the bars simultaneously to a position with the legs thereof elevated comprising an elongated member releasably supported over the bases of the legs adapted to fall onto the bases when released for causing the bases to swing downwardly and thereby causing the legs to swing inwardly and upwardly into the cage.

2,178,790
CUTTING IMPLEMENT
Abner E. Henry, Greensburg, Pa.
Application May 7, 1938, Serial No. 206,656
1 Claim. (Cl. 30—2)



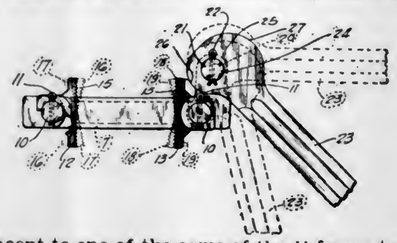
A cutting implement for opening cartons comprising a tubular body structure open at its opposite ends and having a cross sectional configuration providing a substantially flat back wall and a bottom wall disposed on a downward curvature, the bottom wall having a V-shaped cutting edge extending in advance of the back wall, the apex of said cutting edge being outwardly disposed and at substantially the transverse center of the back wall, said back wall at substantially its transverse center being provided with a forwardly directed arm terminating beyond the apex of the cutting edge of the bottom wall for contact with a wall of the carton to be opened whereby said arm serves as a lever guide.

2,178,791
PICKLING OF STEEL
Donald Cleve Hilty, Apollo, Pa.
No Drawing. Application December 29, 1937, Serial No. 182,321
2 Claims. (Cl. 148—8)

1. A process of removing the red color from heat treated silicon steel without substantial scale removal, including subjecting the steel to the action of a slightly acid solution containing sulphur dioxide while maintaining the solution at temperatures not exceeding 140 degrees Fahrenheit, the sulphur dioxide being maintained at a concentration sufficient to effect removal of the red color and the acidity of the solution being sufficiently low to prevent substantial scale removal.

2,178,792
SHORE JACK
Lawrence S. Holmboe, Oklahoma City, Okla.
Application September 16, 1935, Serial No. 40,717
3 Claims. (Cl. 254—120)

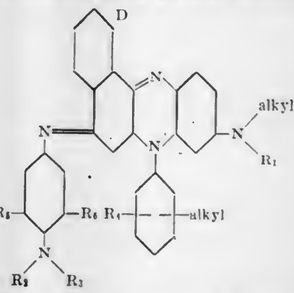
1. In a shoring jack a rigid U shaped frame adapted to embrace a shore member, substantially flat gripping plates pivoted to the arms of the U frame and adapted to grip the shore member, and load-lifting means supported by the frame



adjacent to one of the arms of the U frame tending to tilt the frame and gripping plates.

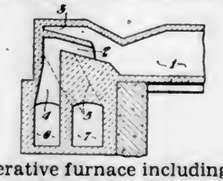
2,178,793
DYESTUFFS OF THE NAPHTHOPHENOSAFRANINE SERIES
Eugen Huber, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 27, 1936, Serial No. 71,311. In Germany March 29, 1935
7 Claims. (Cl. 260—266)

1. The process which comprises sulfonating a dyestuff of the following general formula:



wherein R_1 means a member of the group consisting of alkyl and cyclohexyl, R_2 and R_3 mean the same or different members selected from the group consisting of hydrogen, alkyl and cyclohexyl, and R_4, R_5 and R_6 mean the same or different members selected from the group consisting of hydrogen, alkyl, alkoxy and halogen, until a test portion is soluble in aqueous sodium acetate solution.

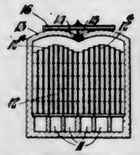
2,178,794
FURNACE REGENERATOR SYSTEM
William J. Irwin, Wilkinsburg, Pa.
Application March 1, 1938, Serial No. 193,357
5 Claims. (Cl. 263—19)



1. A regenerative furnace including an up-and-down-take means, regenerators converging toward said means and flues substantially aligned with said regenerators and extending substantially straight to said means, said flues extending over the tops of said regenerators, and the top of at least one of said regenerators and the flue

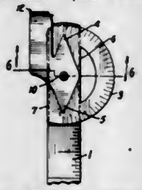
associated therewith being shaped to provide a space of substantially uniform height transversely of the last named regenerator.

2,178,795
FURNACE REGENERATOR ARRANGEMENT
William J. Irwin, Wilkinsburg, Pa.
Application March 1, 1938, Serial No. 193,358
8 Claims. (Cl. 263—19)



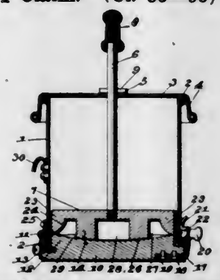
1. A heat regenerator having a flue extending over its top and open thereto so as to distribute gases down through the same, the top of said regenerator and said flue being shaped to provide a space of substantially uniform height transversely of said regenerator for at least a part of the length of the latter.

2,178,796
PROTRACTOR DEVICE
Robert Kormann, Astoria, Long Island, N. Y.
Application May 3, 1939, Serial No. 271,448
4 Claims. (Cl. 33—115)



1. A measuring device comprising a housing having front and rear body members which are adapted for pivotal movement in respect to each other, a pin on said front body member, a plate provided with graduations on said front body member, an arm connected at one of its ends to the rear body member and pivotally secured to said pin at its other end, said arm being provided with an indicator which assumes various positions in respect to the graduations of said plate when said body members are pivotally moved in respect to each other.

2,178,797
BOTTLE BREAKER
George La Vigne, Miami, Fla.
Application September 22, 1937, Serial No. 165,205
1 Claim. (Cl. 83—93)



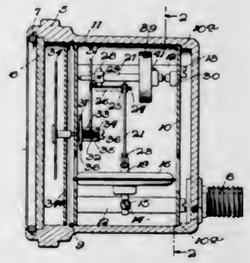
A bottle breaker comprising a cylindrical container, a bottom for one end of the container, said bottom including an anvil, the working face of the anvil having a smooth, centralized concavity assisting in the gravitation of glass fragments toward the center of the container, a coacting pestle in the container having an operating rod, said pestle having an annular outer flange, the inner wall of which is curved inwardly from an edge at the periphery of said flange to provide inward deflector means, said pestle also having a crushing flange spaced from the outer flange, the space being confronted by said curved wall so that the fragments are deflected into the space, said flange extending beyond the plane of said edge and having a convex working face the curvature of which substantially coincides with said edge.

2,178,798
METHOD OF MANUFACTURING A DEVICE FOR SCREENING-OFF SCATTERED X-RAYS
Gustav Adolf Lindstedt and Ernst Herbert Öhrn, Stockholm, Sweden, assignors to Aktiebolaget Linham, Stockholm, Sweden
Application May 1, 1937, Serial No. 140,255
In Sweden May 5, 1936
7 Claims. (Cl. 250—63)



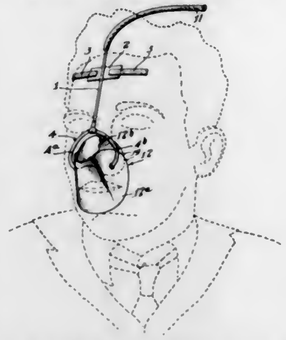
1. A method of making a grid for screening-off scattered X-rays, comprising the steps of coating a thin sheet of lead with a layer of fibrous material to produce a composite sheet which can be accurately cut, cutting the composite sheet into narrow strips, and assembling the strips side by side to form the grid.

2,178,799
TEMPERATURE COMPENSATED INDICATING INSTRUMENT
Hans Loen, Bloomfield, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 21, 1937, Serial No. 144,108
5 Claims. (Cl. 73—4)



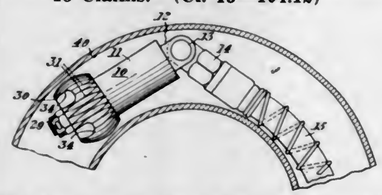
1. In a device of the character described, a movable diaphragm, means mounted for rotation by the motion of said diaphragm, a bi-metal element, means adjustably connecting one end of said bi-metal element to said first means, the other end of said element being free to expand upon changes in temperature, means connecting said free end to said diaphragm, and means for bodily moving said element transversely whereby the distance between said mounted means and said element in a direction at right angles thereto may be adjusted.

2,178,800
INHALER
Charles F. Lombard, Alhambra, Calif.
Application May 15, 1936, Serial No. 79,894
Renewed March 4, 1939
6 Claims. (Cl. 128—195)



4. In an inhaler for administering gas to a patient, the combination of a tubular yoke comprising a pair of oppositely disposed forks for carrying the gas, said forks having inwardly projecting tips, and a hood to fit over the patient's nose, said hood being of shell-form and having oppositely disposed walls with sockets therein, the resiliency of the material of said hood operating to press the walls outwardly and maintain said sockets in engagement with the ends of the forks.

2,178,801
TUBE CLEANER
John Frederick Mattern, Wilkinsburg, Pa., and Virgil Homer Baker, Springfield, Ohio, assignors to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 28, 1937, Serial No. 182,046
15 Claims. (Cl. 15—104.12)

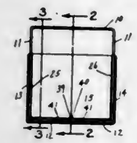


3. In a motor driven tube cleaner, rotative means, a rotatable cleaner element structure operably connected to said means, at least one fluid passage opening through said cleaner element structure, and means for supplying fluid to said passage, said passage being arranged and located to impart a dynamically unbalanced rotation to said cleaner structure.

7. In a motor driven tube cleaner, a motor having a body portion, a hinge joint connected to said body portion and supplying motive fluid to said motor unit, said motor having a rotatable shaft extending beyond said body portion, a spider mounted on said extending shaft for rotation therewith, swinging arms pivotally mounted on said spider and extending to positions above and about said body portion, and cleaner elements operably mounted on said arms.

13. In a motor driven flexible tube cleaner, a motor casing having a motor chamber therein, a motor rotor having vanes operably mounted thereon, said rotor being operably mounted in said chamber, a pair of fluid passageways adjacent one end of said casing in communication with said chamber for supplying motive fluid to said rotor, a pair of exhaust passages adjacent an opposite end of said casing in communication with said chamber, a cleaner element operably connected to said rotor adjacent an end of said casing, said casing and said cleaner element being constructed and arranged to provide an exhaust chamber therebetween adjacent said exhaust passages, and exhaust ports in said cleaner element communicating with said exhaust chamber, said ports being constructed and arranged to produce a dynamically unbalanced rotative action of said cleaner element during actuation by said rotor.

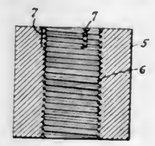
2,178,802
HANDLE BASKET CONSTRUCTION
Ernest Earl Mohler, Indianapolis, Ind., assignor to Fruit & Produce Packing, Inc., Indianapolis, Ind., a corporation
Application June 18, 1936, Serial No. 86,019
13 Claims. (Cl. 229—6)



2. A handled basket comprising a plural layer wall container, each side, end and bottom wall including at least an inner wall portion and an outer wall portion, and an overhead handle having depending portions positioned between the inner and outer portions of opposite side walls, each depending portion terminating in an inturned end nested between the inner and outer wall portions of the bottom wall.

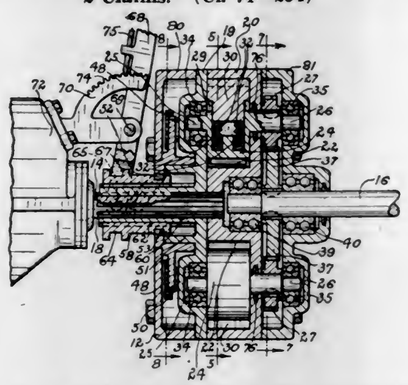
10. A handled basket comprising a plural layer wall container, including side and end walls and half bottom walls, each of the walls including an inner and an outer wall portion, and an overhead handle having depending portions positioned between the inner and outer wall portions of an opposite pair of walls, each depending handle portion terminating in an inturned end said end nesting between the inner and outer wall portions of the adjacent half bottom wall, the half bottom walls extending from the said first-mentioned pair of opposite walls towards each other and providing basket ventilation between confronting adjacent edges of said half bottom walls.

2,178,803
DIE
Lucifer J. Most, Hudson County, N. J.
Application March 18, 1939, Serial No. 262,592
4 Claims. (Cl. 120—18)



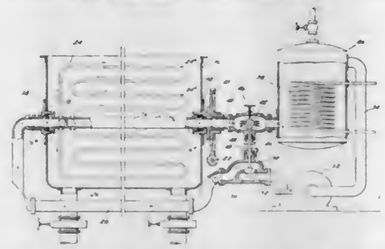
1. A die of the class described, having a threaded bore prismatically notched at one end through the depth of the threads, and extending through a fraction of the bore's length.

2,178,804
HYDRAULIC CLUTCH AND REDUCTION MECHANISM
Jeremiah T. Murphy, Seattle, Wash.
Application March 26, 1937, Serial No. 133,289
2 Claims. (Cl. 74—294)



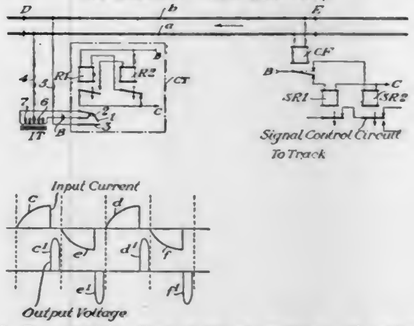
1. In a hydraulic coupling, the combination with a drive shaft, a housing having spaced pumping chambers each provided with a circuitous pumping passage, said housing having a central sleeve rigid with the shaft and a concentric bearing ring, and a driven shaft journaled in the housing, of rotors in said chambers and a planetary gearing operatively connecting said rotors and the driven shaft, rotary valves crescent-shaped in cross section journaled in the housing to control said passages, an operating collar longitudinally movable on said sleeve, an operating gear journaled on the bearing ring, co-acting means on the collar and operating gear for adjusting the latter, and a set of planetary gears interposed between said operating gear and said valves.

2,178,805
PROCESS AND APPARATUS FOR THE TREATMENT OF SUGAR-BEARING MATERIALS
Charles A. Olcott, West Milford, N. J.
Application August 20, 1937, Serial No. 160,178
11 Claims. (Cl. 127—22)



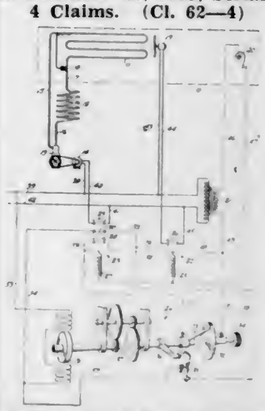
4. Apparatus for heat treatment of sugar bearing materials comprising a receptacle for the material, a stirring device moving within said receptacle and having a temperature controlling fluid flowing through it, said stirring device having the portions thereof which are more nearly connected to the fluid entrance in position for rapid movement and having the portions thereof which are more nearly connected to the exit in position for less rapid movement, said stirrer being constructed and arranged so that the temperature differences between the various parts thereof are substantially in proportion to their different rates of linear motion, and means to regulate the flow of fluid through the stirrer to maintain said proportion, said regulating means being responsive to the temperature variations of the fluid at the exit.

2,178,806
RAILWAY SIGNALING APPARATUS
Willard P. Place, Wilkinsburg, and Andrew J. Sorensen, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 22, 1936, Serial No. 60,240
20 Claims. (Cl. 246—34)



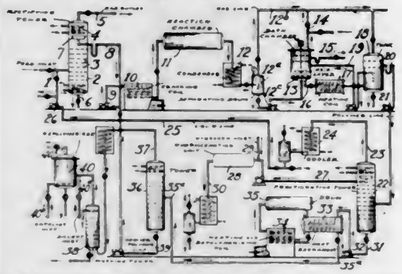
1. In combination with a section of railway track, a source of unidirectional current, a transformer having an input circuit normally receiving energy from said source and having an output circuit including the rails of said track, and means for periodically closing said output circuit and for simultaneously interrupting said input circuit whereby a relatively high peak voltage is induced in said output circuit and is applied across the rails of said track section.

2,178,807
REFRIGERATION
Clyde E. Ploeger, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 20, 1935, Serial No. 55,309
4 Claims. (Cl. 62—4)



1. Air cooling apparatus including an evaporator for absorbing heat from air to be cooled, a compressor, a condenser, said compressor, condenser and evaporator being operatively connected to form a refrigeration system, a motor for driving the compressor, a fan for directing air to be cooled in thermal contact with said evaporator, a motor for driving said fan, and means responsive to temperature of the air to be cooled for controlling operation of said motors and including adjustable means for delaying starting of said compressor motor a predetermined time interval after starting of said fan motor.

2,178,808
PROCESS FOR PRODUCING VALUABLE POLYMERS FROM HYDROCARBON GASES
Raphael Rosen, Elizabeth, and Robert M. Thomas, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 15, 1936, Serial No. 90,666
9 Claims. (Cl. 196—10)



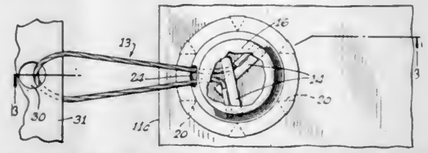
1. An improved process for preparing polymers of isobutylene, comprising selectively depolymerizing a mixture of polymers of isobutylene exclusively, polymers of normal butylene and copolymers of normal butylene with isobutylene, said mixture consisting substantially of trimers of the butylenes, by passing said mixture rapidly through a heated reaction zone at a depolymerization temperature of the order of 650 to 950° F. and providing sufficient time for depolymerization substantially only of the said polymers of isobutylene exclusively, whereby the depolymerized reaction product is substantially pure isobutylene, separating the isobutylene from the undepolymerized polymers, and repolymerizing the separated isobutylene.

2,178,809
HEAVY METAL CYCLIC NITROSO COMPOUNDS AND A PROCESS OF MAKING THEM
Edgar F. Rosenblatt, East Orange, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
No Drawing. Application February 27, 1936, Serial No. 66,069
11 Claims. (Cl. 260—429)

1. The reaction product of a compound containing a heavy metal and at least one nitrite group and a cyclic organic compound having a reactive hydrogen, said reactive hydrogen reacting with oxygen of said group under the formation of a compound containing the radicals of both starting compounds combined into one molecule.

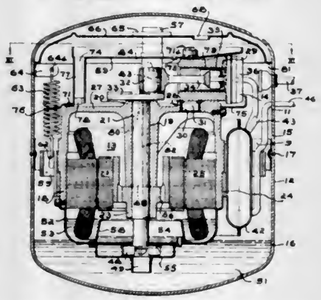
2,178,810
SEALED TAG
Mark Rubinoff, New York, N. Y.
Application May 31, 1939, Serial No. 276,596
2 Claims. (Cl. 40—21)

1. In combination, a sheet and a seal having a top wall, parallel and spaced above the sheet, a downwardly and outwardly tapered wall extending from said top wall toward said sheet, a flange extending from the lower end of said tapered wall and contacting the top of said sheet, and prongs extending from the outer edge of said flange piercing the sheet and bent inwardly against the underside of the sheet, said tapered



wall being formed with an opening, a string passing through said opening and providing a loop having terminals at the outer ends thereof extending transversely of the ends of said string and disposed within the seal, and said loop passing through said opening, said terminals being adapted to be passed into the seal through said opening, but not being adapted to be removed from said seal.

2,178,811
COMPRESSION APPARATUS
Martin G. Sateren, West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 52,375
Renewed December 21, 1938
5 Claims. (Cl. 230—58)

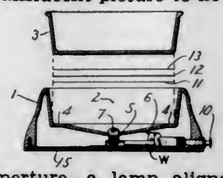


1. In compression apparatus, the combination of a compressor, a motor for driving the compressor, a hermetically sealed casing for enclosing the motor and compressor embodying upper and lower separably attached portions, a lubricant reservoir in the bottom of the casing, a lubricant distributing means supported by and adjacent the top of the casing, means supported by the upper casing portion for conveying lubricant from the reservoir to the distributing means, and means for resiliently supporting the motor and compressor from the upper casing portion, whereby the motor, compressor, upper casing portion, lubricant conveying means and lubricant distributing means may be completely assembled before attaching the lower portion of the casing.

2,178,812
NURSING TRAY
Frank Stanley Schade, Holyoke, Mass.
Application September 29, 1938, Serial No. 232,370
5 Claims. (Cl. 40—130)

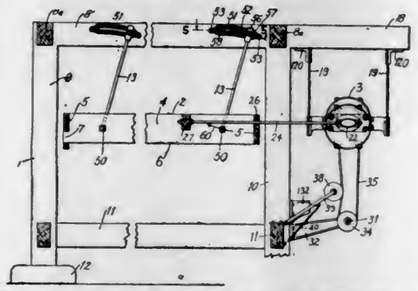
5. A nursing tray combination comprising, a base portion with an opening in its upper sur-

face to accommodate a dish, a shelf in the bottom of said opening, an aperture adjacent said shelf in position to underlie a translucent picture supported by said shelf and connecting said opening with a recess in the bottom of said base portion, a translucent picture to lie on said shelf



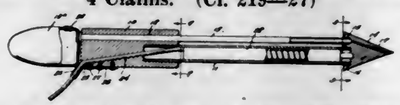
over said aperture, a lamp aligned with said aperture and underlying the picture, a closure member for said recess, batteries and wiring supported by said closure member, and a translucent bowl to fit said opening and overlie the picture.

2,178,813
MECHANO-VIBRATORY APPARATUS
William T. Shaler, Silver Creek, N. Y.
Application August 3, 1936, Serial No. 94,017
2 Claims. (Cl. 209—367)



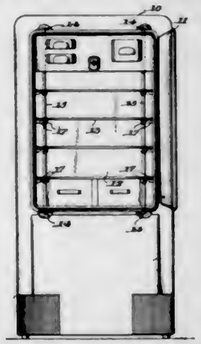
2. In combination with a screen, a vibrator supported independently of said screen, said vibrator comprising a frame, an unbalanced rotor journalled therein adapted to effect bodily movements of said frame, supporting means for said vibrator, motion communicating means interconnecting said screen and said vibrator and adapted to communicate bodily movement of said vibrator to said screen when said movements are in a substantially rectilinear direction, said supporting means being disposed on opposite sides of the center of gravity of the unbalanced rotor in the intended line of movement of the vibrator, and comprising elements inflexibly holding said vibrator against tilting rotational movement and flexibly permitting movement of said vibrator only in the desired substantially rectilinear direction.

2,178,814
SOLDERING IRON
Joseph Shimps, Jr., Coral, Pa., assignor of one-fourth to E. H. Worsham, Washington, D. C.
Application June 8, 1939, Serial No. 278,162
4 Claims. (Cl. 219—27)



1. In a soldering iron of the class described, a handle including a hand grip having a tubular shank extending longitudinally therefrom, a soldering point on the free end of said shank, a solder-bar feed tube extending between said hand grip and said point and connected at its respective opposite ends with said grip and point, respectively, said soldering point having a discharge orifice therein extending to said feed tube, said feed tube being adapted to accommodate solder in bar form, a follower mounted in the feed tube for forcing the solder-bar towards the soldering point, air pressure producing means connected with said feed tube adjacent said hand grip, and an electrical heating device arranged within said shank and having direct contact with said soldering point for heating the latter.

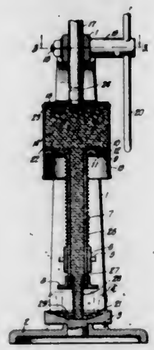
2,178,815
REFRIGERATOR
Arthur C. Shuart, Rockford, Ill., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 27, 1937, Serial No. 133,451
1 Claim. (Cl. 312—156)



In combination with a refrigerator cabinet including a storage compartment having indentations in the top and bottom thereof, of a plurality of rods including end tips formed to fit snugly in said indentations, said rods being axially adjustable so that they may be rigidly supported in spaced vertical positions adjacent to the side walls of the storage compartment and also be removed wholly from within the storage compartment, brackets mounted on said rods, said brackets and said rods being so constructed and arranged that said brackets may be moved to a plurality of levels on said rods within the storage compartment without the use of tools, and shelves removably supported on said brackets within the storage compartment, said shelves being perforate to allow circulation of air in the storage compartment, and said brackets and said shelves being formed and arranged to restrain horizontal movement of said shelves while said shelves are supported on said brackets within the storage compartment.

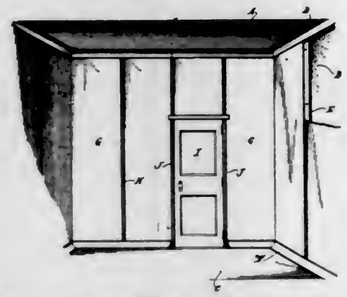
2,178,816
GREASE-DISPENSING DEVICE
Barrett E. Sibley, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application July 21, 1937, Serial No. 154,811
5 Claims. (Cl. 184—1)

5. In a grease dispensing device, a standard having a base, a seat on said base for supporting an article to be packed with grease, the upper end of said standard being provided with a bracket, a bearing carried by said bracket in alignment with said seat, a rack positioned in said bearing, means for operating said rack, a plate carried by the lower end of said rack adapted to contact the bottom of the can of grease, a second bracket carried by said standard, a bearing supported by said second bracket, said second bearing being in substantial alignment with said first bearing and said seat, a hollow piston rod carried in said second bearing, a member carried by the lower end of



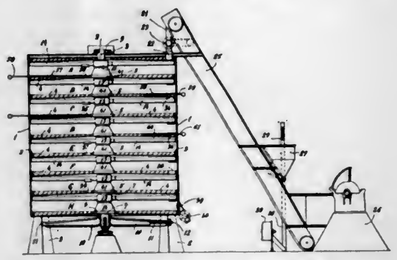
said hollow piston rod adapted to seat against an article to be packed with grease, a piston carried by the other end of said piston rod adapted to enter a can of grease, a spring extending between said second bearing and said piston rod, means for permitting the passage of grease from in front of the piston into said hollow piston rod, and a projection from the upper surface of said piston rod adapted to puncture the bottom of a can of grease when the piston has emptied the can of grease.

2,178,817
INTERIOR PANELING AND METHOD OF ERECTING THE SAME
Frederick M. Small, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware
Application October 17, 1936, Serial No. 106,211
20 Claims. (Cl. 189—85)



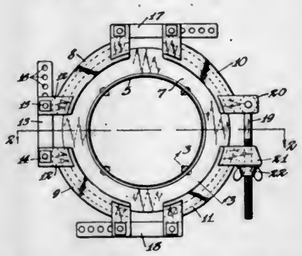
1. Interior wall paneling of the type described comprising a top frame extending entirely around a room to be paneled and positioned in the angle formed by the ceiling and side walls, a plurality of furring strips overlying the side walls and connected at their upper ends to said top frame for constituting the sole support for said frame, said furring strips being unattached to said side walls, means for holding the lower ends of the said furring strips against said side walls, and panel units attached to said furring strips.

2,178,818
BACTERIOLOGICAL DIGESTER FOR CONVERSION OF ORGANIC WASTE
George Herbert Earp-Thomas, Glen Ridge, N. J.
Application March 23, 1937, Serial No. 132,507
2 Claims. (Cl. 34—23)



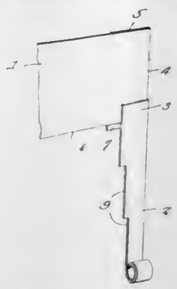
1. A bacteriological digester for conversion of organic material comprising a tank divided by horizontal floors into a plurality of superposed chambers and having an inlet at its top and a discharge port at its bottom, means for effecting passage of air into said chambers and for discharging vapor therefrom, passageways for the organic material being formed in the floors, a plurality of arms, each arm being supported for movement in a circular path in one of said chambers, means for moving the arms, and a plurality of feeding ploughs carried by each arm, each feeding plough comprising a flat-sided feeding plate depending from its supporting arm and terminating at its lower end with a lateral rearwardly inclined extension, bearing members carried by each arm and rotationally holding the plows, pinions carried by the plows of each arm, a shaft and bearing members therefor carried by each arm and worms carried by the shaft and engaging the plow pinions for holding the plows in position of adjustment thereof secured by rotation of the shaft and worms.

2,178,819
FLANGE CLAMP FOR CONDUITS
Philip Timm, Utica, Minn.
Application March 20, 1939, Serial No. 262,953
2 Claims. (Cl. 285—129)



1. In a clamp for securing flanged conduit sections together, the combination of at least three arcuate clamp members, each having an arcuate groove of V-shape in cross section to receive the flanges to be joined together, links pivotally connecting said clamp members together end to end, means for adjusting the effective length of each of said links to space the ends of said members variously to embrace the outer peripheries of flanges of various diameters and means for forcibly clamping said members upon the peripheries of the flanges.

2,178,820
CIGARETTE
Michael Todoroff, Johnstown, Pa.
Application November 15, 1938, Serial No. 240,553
1 Claim. (Cl. 131—52)



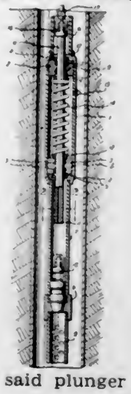
An article of manufacture for use in the making of a cigarette, comprising a wrapper, a butt strip disposed transversely of the wrapper and overlapped at one end on one surface of the wrapper, the butt strip extending beyond one longitudinal edge of the wrapper, a second strip attached adhesively to the opposite surface of the wrapper and including a tongue projecting beyond said longitudinal edge of the wrapper and adhesively engaged with the butt strip, to secure said end thereof to the wrapper at the mouth end of the wrapper, the butt strip forming, when the wrapper is rolled, an opening at the mouth end of the cigarette and a filter socket leading to the opening, the second strip forming an external lip guard.

2,178,821
TOOTH FILLING
William G. Turner, Brooklyn, N. Y.
No Drawing. Application November 9, 1937, Serial No. 173,703
1 Claim. (Cl. 106—6)

In a tooth filling, a liquefied cementitious material for saturating a fibrous filling whereby the filling will solidify and harden when subjected to water, consisting of the following ingredients in the proportionate amounts named: gum sandarac, three pounds, gum camphor, two ounces; methyl salicylate, two ounces; crystalline thymol, two ounces; all dissolved in one-half gallon of alcohol.

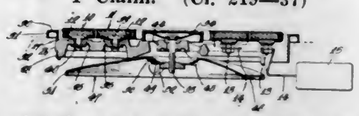
2,178,822
PUMP
Clarence G. Upton and Paul B. Barnett, Freer, Tex.; said Upton assignor to John P. Muller, Fort Worth, Tex.
Application June 16, 1938, Serial No. 213,983
5 Claims. (Cl. 103—179)

1. In combination with a string of oil well tubing, a casing and a sucker rod in an oil well, a pumping unit comprising a housing interposed within the said string of tubing, a tubular plunger operatively arranged through the said housing, means comprising a check valve assembly connecting the said plunger to the sucker rod and affording a closure for the uppermost end of the said plunger, packing glands arranged around the said plunger in each end of the said housing exteriorly and interiorly thereof, a chamber provided within the said housing around the said plunger, tensioned means within the said chamber retaining the said packing glands interiorly of the said housing and means providing for the



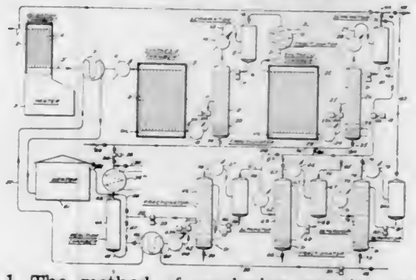
lubrication of the said plunger within the said chamber.

2,178,823
HEATING MEANS
Edwin L. Wiegand, Pittsburgh, Pa.
Application October 5, 1937, Serial No. 167,421
1 Claim. (Cl. 219—37)



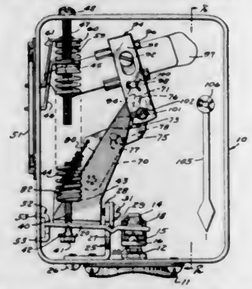
An electric range unit, comprising: a heater and grating assembly including at least one electrical heating element of the resistance type and a grating constructed and arranged to support said heating element; a separate ring member for supporting said grating by engagement with radially outer portions of said grating; and a separate baffle member disposed below said grating, said baffle member having upper surfaces slanting downwardly to radially outer free marginal portions of said baffle member, said free marginal portions being below and spaced from the lower margin of said separate ring member so that air may enter in a generally radially inward direction between said free marginal portions and the lower margin of said separate ring member and proceed in a generally upward direction through said assembly into space above said assembly.

2,178,824
CONVERSION OF GASEOUS HYDROCARBONS
Harold V. Atwell, White Plains, N. Y., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application January 6, 1937, Serial No. 119,178
7 Claims. (Cl. 196—9)



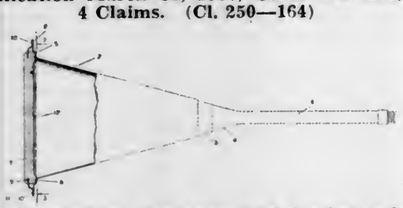
1. The method of producing gasoline motor fuel of high anti-knock value which comprises reacting carbon monoxide and hydrogen over a suitable catalyst under controlled conditions of temperature and pressure whereby formation of hydrocarbons including normally liquid constituents in the gasoline boiling range is effected, separating normally gaseous hydrocarbon constituents of the products of said reaction containing more than one carbon atom per molecule, heating said separated normally gaseous constituents to effect substantial cracking thereof, admixing with said heated normally gaseous hydrocarbons after substantial cracking thereof normally liquid constituents of said carbon monoxide-hydrogen reaction products, and maintaining the resulting mixture at elevated temperature to effect conversion of normally liquid constituents thereof to gasoline constituents of high anti-knock value and polymerization of normally gaseous hydrocarbon constituents to normally liquid hydrocarbons within the motor fuel boiling range.

2,178,825
SWITCHING MECHANISM
Albert E. Baak, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 7, 1937, Serial No. 141,302
26 Claims. (Cl. 200—83)



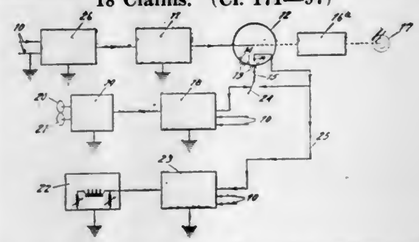
1. In a device of the character described, in combination, a movable member, a lever freely pivoted thereon, a pair of levers movable by said first mentioned lever, a pair of springs each biasing one of said pair of levers in a direction towards said first mentioned lever, means for varying the tension in each of said springs and mechanism operated by said pair of levers.

2,178,826
CLOSURE MEMBER FOR ELECTRIC DISCHARGE TUBES AND THE LIKE
Robert M. Bowie, St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application March 31, 1937, Serial No. 134,059
4 Claims. (Cl. 250—164)



1. An electron discharge tube having a body portion in the form of a metal tube, a flange at the end of said body portion defining a peripheral seat, a vitreous closure member for said tube said closure member being supported from said flange by a plurality of spaced projections, a metal frame sealed in a vacuum-tight manner into and around said closure member, said frame being fastened to the end of said tube in a vacuum-tight manner.

2,178,827
ELECTRIC POWER CONTROL SYSTEM
Robert M. Bowie, St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application September 1, 1937, Serial No. 161,923
18 Claims. (Cl. 171—97)

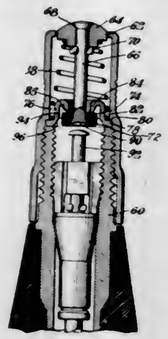


8. In combination, an alternating current supply line, an electric load device to be energized by power from said line, an arc-discharge tube of the "Ignitron" type connected in series between said load device and the line, a grid-controlled tube of the "Thyratron" type for controlling the conductivity of the first mentioned tube, the plate voltage for the grid-controlled tube being derived from said line, circuit connections between the two tubes whereby the first tube becomes conductive only when a triggering impulse above a predetermined threshold value is applied to the grid of the second tube, means to derive peaked triggering impulses from said line having a predetermined frequency ratio with respect to the line frequency, means for applying said peaked triggering impulses to the grid of said grid-controlled tubes, a dissipation network having substantially the same A. C. impedance as that of said load device, and an additional grid-controlled tube and an additional arc-discharge tube for controlling the energization of said dissipation network only during the periods when the load device is not consuming power, whereby said network is switched into circuit only when the load current of said load device is substantially zero and under control of said triggering impulses.

2,178,828
DUST CAP FOR TIRE VALVES
Lewis C. Broecker, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application January 12, 1937, Serial No. 120,174
6 Claims. (Cl. 251—137)

6. A dust cap for use with tire valve stems and the like having valve insides, said cap including a hollow body provided with an opening in one end and an internal shoulder, a pin movably mounted in said body and having a head of substantially the same size as said opening, valve closure means associated with said pin comprising a valve member on said pin, a cup shaped member having a lateral annular flange at one end pressing against said shoulder, a vertically extending cylindrical portion and an inwardly downwardly directed annular flange portion at its opposite end provided with a sharply defined circular edge serving as a valve seat, and spring means surrounding said cylindrical

portion and extending between said lateral annular flange and said head for normally mov-



ing said head into said opening and for pressing said valve member against said valve seat.

2,178,829
CONDENSATION PRODUCTS
Herman A. Bruson and Clinton W. MacMullen, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 7, 1938, Serial No. 189,172
12 Claims. (Cl. 260—457)

1. A process which comprises condensing in an acid medium an aldehyde and a sulfonate of an aromatic ether having the general formula R—O—A—X in which R is a sulfonated aromatic radical, A is a divalent aliphatic radical containing at least two carbon atoms between X and the oxygen atom, and X is a member of the group consisting of hydroxyl, alkoxy, aryloxy, ester, sulfuric ester and sulfonic acid radicals and halogen.

12. The product obtained by condensing formaldehyde and a sulfonated p-ter.octyl phenoxy ethyl sulfuric acid ester.

2,178,830
AROMATIC POLYALKYLENE ETHER SULPHONATES
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application April 26, 1938, Serial No. 204,306
16 Claims. (Cl. 260—512)

1. Compounds, which in the acid form have the general formula

$$A—(O—C_xH_{2x})_y—O—R\begin{matrix}A'\\(SO_3H)_z\end{matrix}$$

in which A represents a member of the group consisting of aliphatic and cycloaliphatic hydrocarbon radicals, A' represents a member of the group consisting of hydrogen, aliphatic, cycloaliphatic, aryl and arylaliphatic hydrocarbon radicals, the sum of the aliphatic carbon atoms in A and A' being at least four, R is an aromatic nucleus, $—C_nH_{2n}—$ is an alkylene group containing from two to five carbon atoms inclusive, x is an integer from 1 to 5 inclusive and y is one of the integers 1 and 2.

6. Lauryloxy-ethoxy-ethoxy-ethoxyphenyl sulfonic acid

$$C_{12}H_{25}—O—C_2H_4—O—C_2H_4—O—C_2H_4—O—C_6H_4—SO_3H$$

2,178,831
AROMATIC POLYALKYLENE ETHERS
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application April 26, 1938, Serial No. 204,307
16 Claims. (Cl. 260—613)

1. Compounds of the general formula

$$A—(O—C_nH_{2n})_x—O—R—A'$$

in which A represents a member of the group consisting of aliphatic and cycloaliphatic hydrocarbon radicals, A' represents a member of the group consisting of hydrogen, aliphatic, cycloaliphatic, aryl and arylaliphatic hydrocarbon radicals, the sum of the aliphatic carbon atoms in A and A' being at least four, R is an aromatic nucleus, $—C_nH_{2n}—$ is an alkylene group containing from two to five carbon atoms inclusive, and x is an integer from 1 to 5 inclusive.

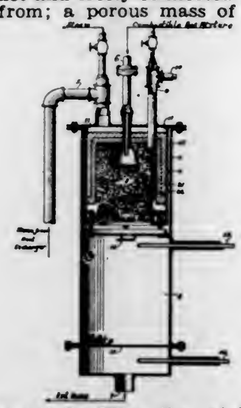
2,178,832
MOLDED PULP ARTICLE
Merle P. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application May 26, 1937, Serial No. 144,905
6 Claims. (Cl. 229—2.5)



1. A fibrous container comprising a bottom, an outwardly and upwardly flared wall encompassing said bottom, a flange integral with said flared wall and extending outwardly therefrom, said flange having slots extending inwardly from the edge thereof to points adjacent said flared wall and dividing said flange into spaced sections, each section being bendable along a line adjacent said flared wall to a reshaped and reformed position, and being slightly concaved from slot to slot adjacent its edge, whereby when said sections are bent into a substantially vertical position, they will form a circle and lie flat on a supporting member.

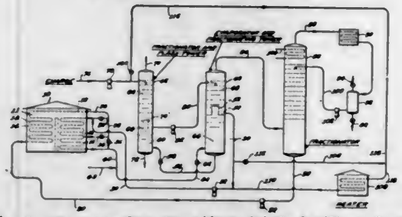
2,178,833
APPARATUS FOR PRODUCING HYDROGEN-NITROGEN MIXTURES
Hendrik de Wet Erasmus, Lewiston, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York
Application July 30, 1936, Serial No. 93,336
4 Claims. (Cl. 23—288)

4. Apparatus for the production of mixtures of hydrogen and nitrogen suitable for use in the "bright annealing" of metals, from raw materials comprising hydrocarbons or material containing hydrocarbons, mixtures of oxygen and nitrogen, and steam, which apparatus comprises, in combination, a combustion chamber substantially filled with a mass of lump refractory material having an average space factor of about 50%, said refractory mass being arranged in a series of concentric layers each of which is composed of lumps of substantially the same size, the layers being graded progressively from relatively larger-sized lumps near the center of the chamber to relatively small-sized lumps near the periphery of the chamber; means for introducing combustion gases in a diffuse manner well within the body of said mass of refractory material; a steam jacket surrounding said combustion chamber in a concentric manner, and connecting with the discharge opening thereof; means for introducing steam into said steam jacket; a catalyst chamber contiguous with said combustion chamber and steam jacket and freely connected with the outlets therefrom; a porous mass of catalyst ma-



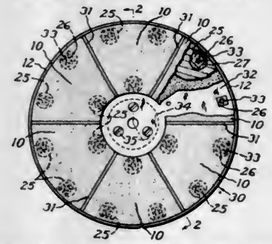
terial substantially filling the catalyst chamber; baffle means between said contiguous chambers; means for removing gases from the apparatus after they have passed through the catalyst chamber; and means for scrubbing the said gases to remove carbon dioxide therefrom.

2,178,834
PROCESS OF TREATING HYDROCARBON OILS
James W. Gray, Basking Ridge, N. J., and Jesse S. Walton, Elkton, Mo., assignors to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application August 19, 1937, Serial No. 159,866
11 Claims. (Cl. 196—48)



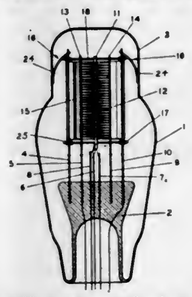
1. A process for treating high-boiling hydrocarbons to produce low-boiling hydrocarbons, which comprises contacting vapors in a primary fractionating zone with a relatively heavy oil and collecting unvaporized heavy oil therein, thereafter subjecting vapors from the primary fractionating zone to further fractionation in a secondary fractionating zone to separate relatively high boiling oil therefrom as reflux condensate, passing reflux condensate thus obtained as a stream through the first portion of a cracking zone maintained under high-temperature and high-pressure conditions to produce conversion of such reflux condensate into lower boiling products, injecting unvaporized heavy oil from said primary fractionating zone into a portion of the stream of high-temperature cracked products leaving the first portion of the cracking zone, passing such combined stream through the latter portion of the cracking zone maintained at cracking temperature, injecting another portion of the stream of high-temperature cracked products into the latter portion of the cracking zone at a point subsequent to the injection of such heavy oil to raise the temperature thereof and effect further cracking of the heavy oil, passing the resulting stream of cracked products leaving the latter portion of the cracking zone to a separating zone wherein vapors and cracked residue are separated, and passing such vapors into the primary fractionating zone.

2,178,835
GRINDING WHEEL
Charles J. Hudson, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 19, 1937, Serial No. 149,121
2 Claims. (Cl. 51—209)



1. Article of the class described comprising a plurality of bonded abrasive uni-diameter sectors, cement securing said sectors together in the form of a wheel, and a peripheral band outside of said sectors and in a state of tension exerting a compressive force against them and comprising paper impregnated with resinoid, the article constituting a grinding disk, the plane face of which does the grinding and the peripheral band wearing away as the disk is used.

2,178,836
SHOCK-ABSORBING SUPPORT FOR RADIO-TUBE MOUNTS
Walter L. Krahl, Swampscott, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application March 10, 1937, Serial No. 129,993
6 Claims. (Cl. 250—27.5)



1. In combination an enclosing envelope having a cylindrical portion, an electrode assembly mounted within the envelope and extending at least partially into said cylindrical portion, said assembly having a pair of spaced vertical uprights, an electrode spacer of insulating material bridging the upper ends of said uprights and means to resiliently support said assembly in spaced relation to said cylindrical portion the last-mentioned means comprising a pair of metal springs each having an offset portion embrac-

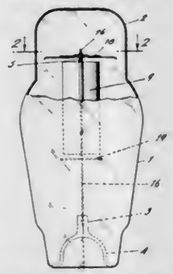
ing and welded to an associated one of said side-rods with portions intermediate the ends engaging the edge of said insulator spacer and with the end portions in contact with said enclosing envelope.

2,178,837

MOUNT SUPPORT FOR ELECTRON-DISCHARGE TUBES

Walter L. Krahl, Swampscott, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application February 12, 1938, Serial No. 190,203
13 Claims. (Cl. 250—27.5)



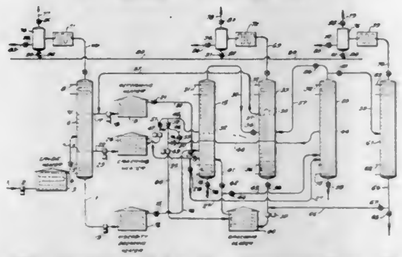
1. In combination, an enclosing envelope having a dome portion at one end, an electrode unit mounted within said envelope, an insulating spacer member extending across one end of said unit, openings in said insulator spacer, a free-ended wire threaded through said openings and having an offset portion intermediate its ends to interlock said wire and said spacer, the free ends of said wire resiliently engaging the wall of the dome to steady the electrode unit within said envelope.

2,178,838

TREATMENT OF HYDROCARBONS

Wayne E. Kuhn, Jackson Heights, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Original application June 15, 1937, Serial No. 148,265. Divided and this application December 31, 1938, Serial No. 248,770
4 Claims. (Cl. 196—49)



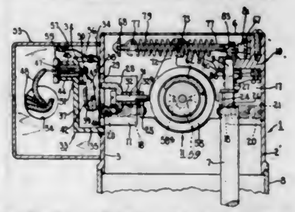
1. The method of treating hydrocarbon oils to form therefrom low-boiling hydrocarbons suitable for motor fuel which comprises distilling crude oil to separate therefrom a reduced crude, a virgin gas oil condensate and a naphtha condensate, separately subjecting reduced crude thus obtained to relatively mild cracking conditions to effect conversion thereof to lighter products including a substantial proportion of constituents above the gasoline boiling range, separating the resultant cracked products into vapors and residue in a separating zone, separately subjecting virgin gas oil thus obtained to relatively more drastic cracking conditions to effect conversion into lighter products including gasoline constituents, separately subjecting naphtha thus obtained to cracking conditions of temperature and pressure adequate to effect reforming of said naphtha to improve the anti-knock value thereof, introducing the resultant hot reformed products into said separating zone to aid in the vaporization of the cracked reduced crude products, passing the separated vapors from said separating zone to a fractionating zone wherein the vapors are fractionated to form a heavy condensate and a lighter condensate, separately subjecting lighter condensate thus obtained to cracking conditions of temperature and pressure by passage as a stream through a heating zone of restricted cross-section to effect conversion into lighter products including gasoline constituents, introducing heavy condensate from said fractionating zone into an intermediate point of said last-mentioned heating zone to effect cracking of the heavy condensate, passing the resultant cracked products into a second separating zone wherein vapors separate from residue, passing the separated vapors to a second fractionating zone wherein the vapors are fractionated to form reflux condensate and lighter distillate and directing reflux condensate from the second fractionating zone to said heating zone of restricted cross-section to effect cracking of the reflux condensate.

2,178,839

CONTROL DEVICE

Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application October 14, 1936, Serial No. 105,627
17 Claims. (Cl. 200—83)



1. In a device of the character described, an armature fulcrumed intermediate its ends, a magnet arranged having its opposite poles disposed toward one side of said armature on opposite sides of the fulcrum of said armature, said magnet being movable to increase the effective magnetic force of one of its poles on said armature and at the same time to decrease the effective magnetic force of the other of its poles on said armature whereby to pivot said armature with a quick movement, means to move said magnet, and means operable by pivotal movement of said armature.

2,178,840

MEDICAMENT INTRODUCER

Libarid Lorenian, Bucharest, Rumania, assignor of one-half to Zareh Lorenian, Bucharest, Rumania

Application November 18, 1936, Serial No. 111,541
In Rumania November 25, 1935
2 Claims. (Cl. 128—260)

1. An appliance of the character described for introducing a medicament into a body cavity, said appliance comprising a cylindrical body of thin flexible material, one end of said cylindrical

body consisting essentially of a plurality of longitudinally extending serrations with adjacent edges of successive serrations in contiguous relation to each other and with the vertexes of said



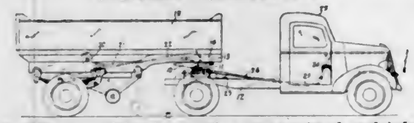
serrations coinciding substantially with the longitudinal axis of said cylindrical body, whereby said serrations define an end closure for the latter.

2,178,841

AUXILIARY POWER DRIVE

Lubbert E. Lubbers, Milwaukee, Wis., assignor of one-half to Alfred A. Lienemann, Milwaukee, Wis.

Application July 9, 1937, Serial No. 152,743
7 Claims. (Cl. 180—14)



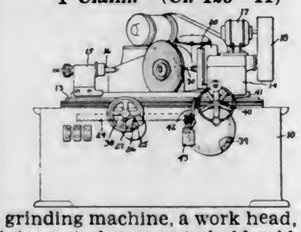
3. The combination of a motorized vehicle, a drawn vehicle, coupling means therefore including a substantially vertical king pin on one of said vehicles and a cooperating socket member on the other of said vehicles, said member being constructed to permit entry and withdrawal of said king pin into and out of coupling relation therewith by relative horizontal movement therebetween, driving and driven mechanisms on said vehicles including a rotary element disposed concentrically of said king pin, and means shiftable relative to both said king pin and member to make or break a driving connection between said mechanisms while said vehicles are coupled.

2,178,842

GRINDING WHEEL TRUING APPARATUS

Lloyd E. Paine, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application September 30, 1938, Serial No. 232,604
1 Claim. (Cl. 125—11)



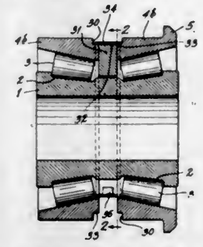
In a grinding machine, a work head, a rotatable face plate, a stud, means to hold said stud in the face plate to act as a driving dog, means in the stud to hold a truing nib, a cross slide, and a wheel spindle mounted at an angle on said cross slide.

2,178,843

DOUBLE ROW ROLLER BEARING

Harry R. Slusser, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application November 1, 1937, Serial No. 172,075
2 Claims. (Cl. 308—214)



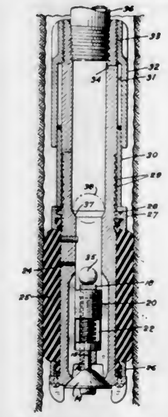
1. A double row roller bearing comprising two annular series of rollers, a separate bearing cup for each series of rollers, said cups being disposed with their opposed ends spaced apart and the outer peripheral portions of the opposed faces of said cups being rabbeted, a C-shaped spacing and positioning member interposed between the opposed faces of said cups, the outer periphery of said spacing and positioning member being flush with the bottom portions of said rabbeted portions and extending through an arc of substantially more than a semicircle, and a flat strip extending around the outer periphery of said spacing and positioning member with its edges overlapping said rabbeted portions.

2,178,844

BRIDGE AND CEMENT RETAINER FOR WELL BORES

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application October 10, 1936, Serial No. 105,040
7 Claims. (Cl. 166—12)



1. A device of the character described comprising a body adapted to be detachably secured to the lower end of running in tubing, said body having a passageway formed coaxially therethrough, an elongated sleeve-like packing member of pliable material secured to the body at its lowermost end, and fluid pressure actuated means carried by the body adapted to move the upper end of said packing member toward its secured

end to radially expand the same, and means for retaining said packing member in its expanded position.

2,178,845

SAFETY CIRCULATION MEDIUM FOR WELL CASINGS

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application October 10, 1936, Serial No. 105,043
3 Claims. (Cl. 166—1)



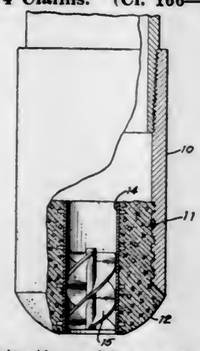
1. In combination with a string of blank well casing, said casing having a circulation port formed therein at an intermediate point therealong, a closure for said port, a shear pin normally maintaining said closure effective, said shear pin being capable of being sheared by a predetermined pressure in the casing to render said closure ineffective.

2,178,846

WELL CEMENTING SHOE

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application December 12, 1938, Serial No. 245,235
4 Claims. (Cl. 166—9)



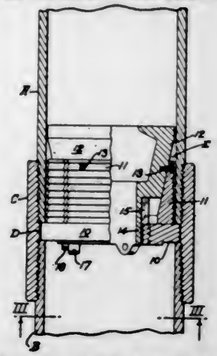
1. In combination with a casing shoe, a guide member secured thereto and having a central passageway formed longitudinally thereof, means in said passageway dividing said passageway into a plurality of relatively steep spirally directed passages to give fluid discharged downwardly therethrough a whirling motion as it emerges therefrom.

2,178,847

CEMENTING PLUG STOP FOR WELL CASINGS

Reuben C. Baker, Coalinga, and Clarence E. Burt, Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application March 20, 1939, Serial No. 262,850
11 Claims. (Cl. 166—1)



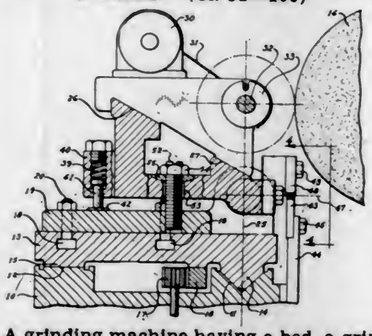
1. In combination with a well casing, including a coupling joining two adjacent casing lengths, an annular supporting member disposed within said coupling and secured between the opposed ends of said adjacent casing lengths against longitudinal displacement, and a normally ineffective casing gripping stop means carried by said supporting member and disposed within said casing in position for engagement by an object adapted to be sent down the casing, said stop means being operable by said object to grip the inner surface of the casing wall to arrest downward travel of said object.

2,178,848

FORM GRINDING MACHINE

Clement Booth, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application July 16, 1937, Serial No. 154,031
9 Claims. (Cl. 51—100)



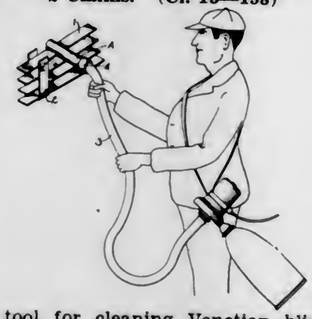
1. A grinding machine having a bed, a grinding wheel rotatably supported thereon, a V-guideway formed longitudinally of the bed, a slide reciprocably mounted on the bed and having a V-shaped portion cooperating with said guideway, an oscillatable carrier mounted on said slide, trunnions for supporting said carrier and located in a vertical plane passing through the center of said V-guideway, a headstock and tailstock mounted on said carrier and having work supporting centers located in said vertical plane, and means operable by relative reciprocation of the slide and bed for oscillating said carrier and thereby said centers to opposite sides of said vertical plane for moving a work piece toward and from the grinding wheel to determine the longitudinal profile of the work piece during rotation and translation thereof.

2,178,849

CLEANING TOOL FOR BLIND SLATS

Adam A. Breuer, Chicago, Ill., assignor to Breuer Electric Mfg. Co., Chicago, Ill., a corporation of Illinois

Application April 25, 1938, Serial No. 204,063
2 Claims. (Cl. 15—158)



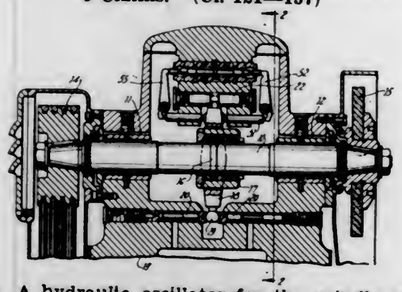
1. A tool for cleaning Venetian blind slats, comprising a tubular member having bifurcated ends for straddling a slat, elongated wiper elements within said end portions, said wiping elements being endwise insertable and removable, end pieces on the outer ends of said elements to close the tube ends adjacent the slot, and clips secured against the inner surfaces of said tube for securing said elements in place.

2,178,850

SPINDLE OSCILLATOR

Albert H. Dall, Silverton, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application December 6, 1937, Serial No. 178,286
9 Claims. (Cl. 121—157)



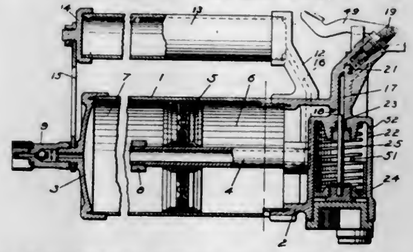
1. A hydraulic oscillator for the spindle of a grinding machine including a lever connected to said spindle, a hydraulic piston operatively connected to said lever, a source of fluid pressure, and valve means for controlling the application of fluid pressure to opposite ends of said piston including a pilot valve plunger, a sleeve surrounding said plunger, means in the sleeve for connecting said source of fluid pressure to opposite ends of said cylinder, multiplying linkage intervening the plunger and lever for imparting amplified movement to said pilot valve plunger by said lever, a fluid outlet and means in said pilot valve plunger during movement thereof for connecting pressure to one end of said sleeve and connecting the other end of said sleeve to said outlet for causing sleeve movement in a direction opposite to said plunger, said outlet connection being through said sleeve whereby movement of the sleeve will accelerate its own movement.

2,178,851

LUBRICATING DEVICE

Adiel Y. Dodge, South Bend, Ind., and Harry R. Tear, Evanston, Ill., assignors to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware

Application September 19, 1936, Serial No. 101,572
9 Claims. (Cl. 221—47.3)



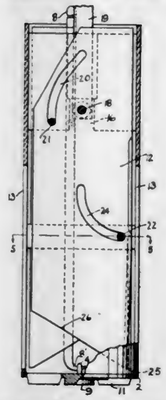
1. A lubricating device comprising, a reservoir, a tube extending axially into said reservoir, a piston slidable on said tube and dividing the reservoir into a lubricant chamber and an air chamber for storing air under pressure, said tube communicating with the air chamber, a pump connected to the lubricant chamber to receive lubricant therefrom, operating means for the pump connected to said tube to be actuated by said stored air and a manually operable valve controlling said connection to control the operating means.

2,178,852

UNDERREAMER

Weyman B. Dunlap, Jr., Corpus Christi, Tex., assignor to Delta Foundation Company, Inc., corporation of Texas

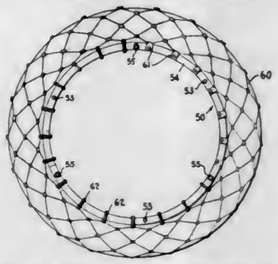
Application April 16, 1938, Serial No. 202,443
9 Claims. (Cl. 255—74)



1. A device for under-reaming holes, comprising a cylindrical bucket, a pair of offset outwardly extensible cutting blades therein, slotted openings in said bucket to allow movement there-

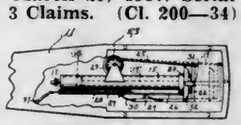
connected with the upper ends of said blades, transverse pins mounted on said bucket and engaging through cam slots in each of said blades, said slots being curved whereby the downward movement of said blades relative to said pins by said drive shaft will cause the lower ends of said blades to be moved outwardly against the wall of the hole.

2,178,853
PNEUMATIC TIRE-TUBE TESTING CASE
Angel D. Enriquez and Paul Sussman, Brooklyn, N. Y.
Application February 21, 1938, Serial No. 191,792
3 Claims. (Cl. 73—51)



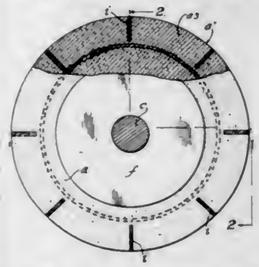
1. A device useful in the emersion testing of pneumatic tire inner tubes, comprising a composite annular frame, said frame comprising a pair of congruent substantially coextensive similar annular members, fastening means including threaded screw elements engaging with tapped openings formed in said members for associating and holding same in abutting relationship, each of said annular members comprising a plurality of interfitting connected segmental elements, said composite frame being adapted to be positioned within the central opening of a pneumatic tire inner tube, an annular, cannular, net-like member adapted to be positioned circumjacent a pneumatic tire inner tube, and fastening means mounted on and carried by parts of said composite frame adapted to receive and hold loop-like formations in said net-like member fixedly with respect to certain of said segmental elements but removably with respect to others of said elements.

2,178,854
MECHANISM FOR OPERATING AN ELECTRICAL SIGNALING SYSTEM
John M. Gustafson, Laurens, Iowa
Application March 29, 1937, Serial No. 133,609
3 Claims. (Cl. 200—34)



1. In a device of the class described, a housing, a cylinder inside said housing, a piston slidably mounted inside said cylinder, a spring means for yieldingly holding said piston toward the inner end of said cylinder, a metallic bar member operatively connected to said piston, a metallic fixed bar, an electric lead wire operatively connected to said fixed bar, a metallic finger operatively connected to said first mentioned bar and capable of slidably engaging said fixed bar when said piston is moved from its normal position in the through of said blades, a drive shaft pivotally inner end of said cylinder, a metallic member slidably mounted in said housing, an electric lead wire electrically connected to said metallic member through a conducting finger, and a manually operated handle directly connected to said metallic member to facilitate the sliding movement of said metallic member into electrical contact with said first mentioned bar and for moving said bar and said piston from their normal positions and against the action of said spring means.

2,178,855
GRINDING STONE
John E. Hassler, Portland, Oreg., assignor to Simonds Worden White Co., a corporation of Ohio
Application February 19, 1938, Serial No. 191,431
4 Claims. (Cl. 51—206)



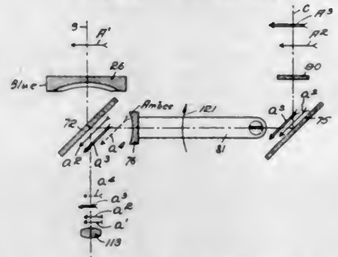
1. A pulp grinding stone comprising an integral cylindrical body having a peripheral grinding surface, and a plurality of uniformly spaced radial slots extending inwardly from said grinding surface, the total width of said slots being proportioned to accommodate the overall greater relative circumferential expansion of the grinding surface of said stone than the remainder thereof in the presence of increased temperatures set up in said stone by the heat generated in grinding, said slots being filled with a plastic composition adapted to yield under said greater relative circumferential expansion.

2,178,856
LADDER CONSTRUCTION
Henry J. Heider, Carroll, Iowa
Application January 24, 1938, Serial No. 186,646
1 Claim. (Cl. 228—59)



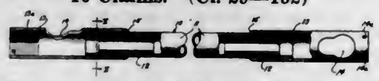
A ladder, comprising side rails and cross rungs, the lower edge of each rail being provided with a longitudinal groove, the upper corner of each being provided with a beveled face, each face having an opening inclined downwardly and inwardly and intersecting said groove, a truss rod supported in said groove having its ends threaded through said openings, a nut and washer on each end of said rod, a bolt supported transversely through said rail against the inner face of said rod and adjacent to the intersection of said groove and each of said openings, the rails being formed of compressible material and the truss rods of such size and tensile strength so that if a load be placed on the center of said rails of sufficient weight to bend the same with the ends supported against downward movement, the upper edges of the rails will be compressed without appreciably stretching said truss rods.

2,178,857
RANGE AND VIEW FINDER
Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application July 29, 1937, Serial No. 156,360. Divided and this application September 9, 1938, Serial No. 229,121
7 Claims. (Cl. 88—2.4)



1. For use in cameras and the like, a combined view and range finder having as a part of the optical group thereof a combined viewing and range finding negative lens of such size that, when said lens is positioned or mounted on a camera, the exact image of a subject to be photographed by the camera is seen through the lens while the range finding operation is taking place, said optical group also including a fixed first surface mirror and a fixed semi-transparent mirror spaced structurally apart from each other, a negative lens mounted between said mirrors, means to move said last mentioned negative lens so as to change the position of its axis with respect to the planes of said mirrors, and a magnifier lens on the opposite side of one of said mirrors from the first mentioned negative lens and so positioned that said three last mentioned elements are in line, but are as a group out of line with the other mirror, said two negative lenses being of sufficiently contrasting colors to produce, when blended, a substantial stepping up in the brilliancy of the two images.

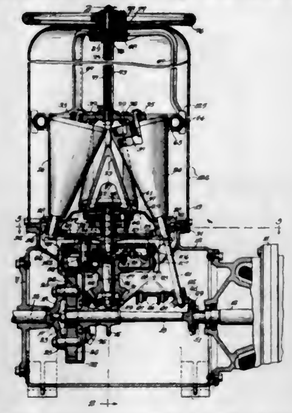
2,178,858
LINK BODY AND METHOD OF MAKING SAME
George H. Hufferd, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application September 27, 1937, Serial No. 165,838
10 Claims. (Cl. 29—152)



6. The method of making link bodies which comprises force fitting a cylindrical reinforcing member in an end of a metal tube, force fitting a tubular socket member over the same end of said tube, and welding the socket member to the tube.

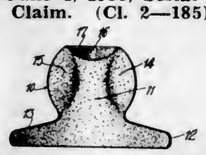
2,178,859
POWER TRANSMISSION MECHANISM
Robert M. Jett and George C. Jett, Milwaukee, Wis.
Application June 25, 1937, Serial No. 150,272
14 Claims. (Cl. 74—284)

1. In a power transmission mechanism, the combination of a housing provided with an open top and a removable end, a driven shaft journaled in said removable end, a driving shaft in said housing aligned with said driven shaft, a planetary unit interposed between said driving and driven shafts, the planetary pinions of said unit being carried by the driven shaft and removable from the housing with said driven shaft by removal of said housing end, an open casing insertable into said housing through the open top there-



of, supporting means provided with dowel pins for positioning and supporting said casing, mechanism mounted within said casing in position to cooperate with said planetary unit when the casing is properly positioned within the housing, and means for controlling and actuating said mechanism.

2,178,860
SHAPE-RETAINING DEVICE FOR HATS
Ralph L. Knibloe, Sharon, Conn.
Application June 4, 1938, Serial No. 211,759
1 Claim. (Cl. 2—185)

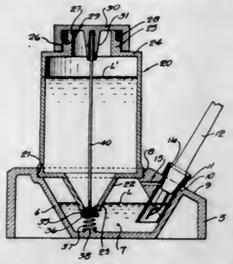


A shape-retaining device for hats having a flexible crown, said device being formed of a layer of fibrous material made relatively stiff with a moisture-resistant thermoplastic substance and having a firm rough surface for preventing displacement with respect to the interior surfaces of the hat, the device including a portion adapted for retention under the inside hat band, and an area for extending upwardly from said portion substantially to the top front inside surface of the crown, the upper part of said area being bent over rearwardly to form a firm rounded upper edge, the side portions respectively of said area being formed with rearward depressions for providing a semi-rigid backing for the front side walls of the crown of the hat, and of such shape that the latter may be firmly gripped in one hand to remove the hat without sharp creasing or crushing.

2,178,861
INKSTAND
Herman Frederick Krueger, Los Angeles, Calif.
Application March 16, 1938, Serial No. 196,111
2 Claims. (Cl. 120—59)

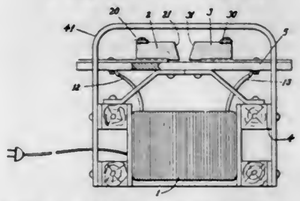
1. An inkstand comprising a base forming an ink chamber, an ink container mounted on the

base, said container having an inlet through which the container may be filled and an outlet communicating with the chamber, a valve controlling the outlet, means for moving the valve into outlet closing position, a removable cap normally closing the inlet, a valve stem extending from the valve into the inlet in position to have one of its



ends engaged by the cap to move the valve into outlet opening position, and a resilient sealing member surrounding the inlet and being expansible against the cap to prevent admission of air through the inlet, while the cap is being removed therefrom, until the cap is sufficiently moved to permit the outlet valve to move into closing position.

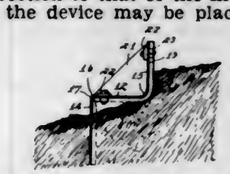
2,178,862
ELECTRICAL HEATER FOR SOLDERING IRONS
Lester N. Nicoolls, near Seattle, Wash.
Application June 20, 1938, Serial No. 214,713
2 Claims. (Cl. 219—23)



1. Means to heat a soldering iron or the like, comprising a transformer the secondary whereof constitutes a source of current of high amperage and low voltage, a frame supporting the transformer, a single insulating support carried upon the top of the frame, a pair of electrode blocks of carbon or the like connected to opposite terminals of the secondary, and both resting upon and fixedly supported on said insulating support, with adjoining faces spaced apart and oppositely inclined to define a V-notch, of sufficient width at its top to admit the soldering iron, but of insufficient width at its bottom to permit the iron to pass through, whereby the circuit is completed through the electrodes, and the latter and the iron are heated, only when the iron rests in the V-notch.

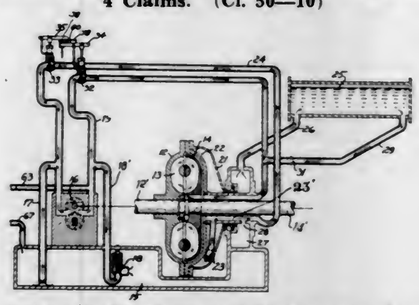
2,178,863
SOIL CONSERVATION DEVICE
Lawrence W. Pepper, Ottumwa, Iowa, assignor to Central Culvert Company, Ottumwa, Iowa, a corporation of Iowa
Application December 3, 1937, Serial No. 177,877
5 Claims. (Cl. 61—35)

1. In a device of the class described, a body portion formed of corrugated sheet metal having one edge bent at right angles to said body and its opposite edge bent at right angles in the opposite direction to that of the first bent portion, whereby the device may be placed transversely



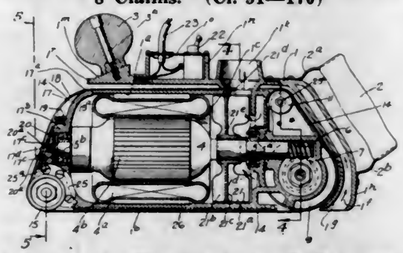
of a ditch with one of the flange portions driven into the ground to serve as an anchor, with the other flange portions serving as a dam and the body portion as a spillway therefor.

2,178,864
CONTROL SYSTEM AND METHOD
Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application August 29, 1936, Serial No. 98,601
4 Claims. (Cl. 50—10)



1. A control system comprising a pair of control elements, one acting to increase and the other to decrease a condition, a regulator responsive to the condition, a dashpot cylinder moved by said regulator, a piston in said cylinder to move said control elements selectively as the regulator moves said cylinder in one direction or the other, and a cam moved by said cylinder and engageable with said control elements to displace one or the other of them except when the cylinder is in a central position.

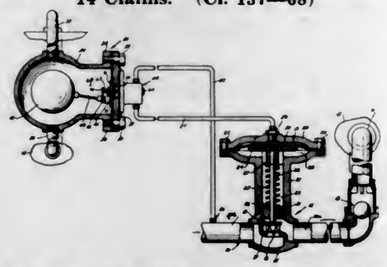
2,178,865
ABRADING AND BLACKBOARD CLEANING MACHINE
Harold A. Swan, Coronado, Calif.
Application February 2, 1938, Serial No. 188,294
8 Claims. (Cl. 51—170)



1. In an abrading machine of the class described, the combination of a hollow casing, a motor mounted therein with its axis longitudinally thereof, a drive shaft in connection with one end of said motor extending backwardly

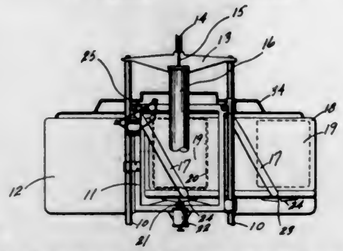
therefrom, a worm pinion on the extended end of said drive shaft, a worm gear intermeshing with said worm pinion near the lower back side of one end of said casing, a shaft for said worm gear extending in opposite directions therefrom, a drive pulley secured on each end of said shaft with the surfaces of said pulleys extending to the lower back side of said casing, driven pulleys in alignment with said drive pulleys at the upper back side of said casing, belts connecting said drive pulleys with said driven pulleys, and a single abrasive belt positioned over said belts and around said casing and contacting with said belts whereby said abrasive belt is driven by said belts.

2,178,866
LIQUID LEVEL CONTROL SYSTEM
John V. Thomas, Altadena, Calif., assignor to Natural Gas Equipment Inc., Los Angeles, Calif., a corporation of California
Application May 19, 1937, Serial No. 143,485
14 Claims. (Cl. 137—68)



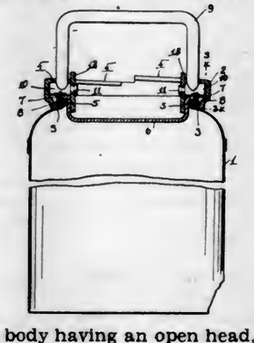
1. In a liquid level control system, a hollow housing having a removable end closure, a float within said housing, and a float operated valve device mounted on said housing, said device comprising a body having a fluid inlet and an outlet, a float actuated diaphragm, and valve means actuated by virtue of the float and diaphragm movement and controlling the flow of fluid from said inlet to the outlet and operating to release fluid from within said body into said housing.

2,178,867
STEREOSCOPIC SHIFT
William Bader and Rudolph Licher, Covington, Ky., assignors to The Kelley-Koett Manufacturing Company Incorporated, Covington, Ky., a corporation of Ohio
Application May 4, 1938, Serial No. 206,023
11 Claims. (Cl. 250—60)



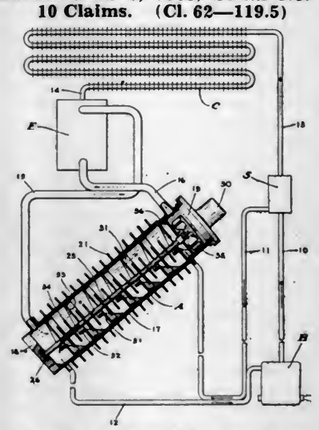
1. A stereoscopic shift mechanism comprising the uprights of a frame, a cassette holder slidable vertically thereon, a plurality of pendulum shafts pivoted at the top of the cassette holder adjacent the uprights to permit said cassette holder to swing, a plate mounted at substantially a right angle to one of said pendulum shafts near its pivotal point and mounted at 90° to said shaft, a magnet spool mounted on the said cassette changer adjacent the same upright bearing said plate, a semicircular non-ferrous rod mounted below the said plate and attached thereto, said rod passing thru said magnet spool, a plurality of ferrous weights mounted on said semicircular rod, a pair of spring fingers mounted below said plate and on said plate and a switch actuable by said spring fingers to reciprocate to energize said magnet spool temporarily near the end of the swings of said plate.

2,178,868
COMBINED CLOSURE LOCK AND HANDLE FOR CANS
Giles E. Bullock, Rochester, N. Y.
Application April 20, 1936, Serial No. 75,330
8 Claims. (Cl. 220—56)



1. A can body having an open head, a cover for said open head, a handle mounted to swing on said cover, locking means carried by said handle and means provided on said head for variably engaging said locking means to lock said cover to said head on the raising of said lever in carrying said can.

2,178,869
ABSORBER FOR REFRIGERATING SYSTEMS
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 7, 1935, Serial No. 25,368
10 Claims. (Cl. 62—119.5)



1. An absorber adapted for use in an absorp-

tion refrigerating system comprising an elongated vessel disposed in an inclined position, means for supplying absorption liquid to the upper end of said vessel, means for removing absorption liquid from the lower end thereof, means for supplying a gas to be absorbed to said vessel, baffle plates in said vessel extending transversely across the same to cause the formation of a number of pools along the lower side of said vessel, said plates having depending spouts thereon to carry away the overflow from the pools, rotary splashing means within said vessel including a number of rotating elements certain of which are arranged to dip into the pools and throw the liquid therefrom about the inner wall of said vessel and others of said rotating elements being disposed beneath said spouts whereby the absorption liquid drips from said spouts upon said rotating elements and is splashed around the inner wall of said vessel.

3. The method of operating an absorption refrigeration system having an evaporator and an absorber and employing a refrigerant, and an absorption medium, comprising passing the refrigerant from an evaporating zone into intimate contact with a plurality of pools of absorption medium, such contact being increased by removing small portions of certain of said pools and creating fine particles thereof, creating fine particles of liquid passing from pool to pool, and then causing a forced circulation of said refrigerant over said particles whereby the refrigerant is rapidly absorbed by the absorption medium.

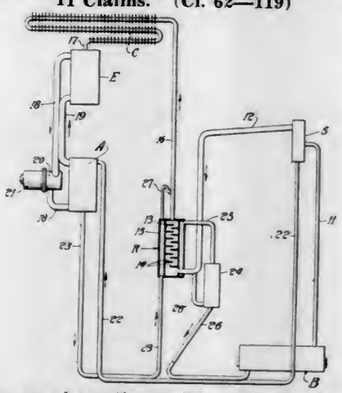
2,178,870

CONTINUOUS ABSORPTION REFRIGERATING SYSTEM

Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application August 8, 1936, Serial No. 94,934

11 Claims. (Cl. 62—119)



1. In an absorption refrigerating system having a boiler, an absorber, means for circulating absorption liquid between the boiler and the absorber and a liquid heat exchanger, the combination of a rectifier and means for transferring heat from the rectifier to absorption liquid flowing from the absorber to the boiler, the arrangement being such that the absorption liquid flowing from the absorber to the boiler passes first in heat exchange relation with solution flowing from the boiler to the absorber, then in heat transfer relation with the rectifier and then again in heat exchange relation with absorption solution flowing from the boiler to the absorber.

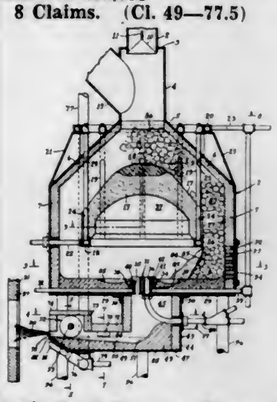
2,178,871

PROCESS FOR PRODUCING FIBROUS MATERIAL

Daniel C. Drill, Wabash, Ind., assignor to American Rock Wool Corporation, Wabash, Ind., a corporation of Indiana

Original application January 6, 1936, Serial No. 57,791. Divided and this application March 19, 1937, Serial No. 131,833

8 Claims. (Cl. 49—77.5)



1. The method of forming fibers of molten mineral materials comprising forming and maintaining a molten mass of said materials and rotating the periphery of a rigid curved surface in contact with the upper portion of said mass at a velocity sufficiently high to hurl portions of the material away from said mass in the form of fibers.

6. The method of forming fibers of molten mineral materials comprising forming and maintaining a mass of molten mineral materials, passing a fluid blast over the upper surface of said mass rotating a rigid body having a substantially curved periphery in said blast and against the upper portion of said mass to hurl portions of said material away from said mass and into said blast, and thereafter projecting said materials into a relatively stationary atmosphere at a velocity sufficiently high to streamline the molten material into mineral fibers.

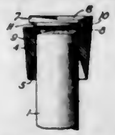
2,178,872

GOLF CLUB ATTACHMENT AND MARKER

Carl J. Engstrom, Michigan City, Ind.

Application March 15, 1939, Serial No. 261,921

4 Claims. (Cl. 273—32)



1. The combination with a golf club handle, of a housing shaped to seat on the end of the handle, said housing having a marker groove formed therein and opening through one side of the housing, and also having a thumb opening and slot therein communicating with the marker groove, a stymie marker removably engaged in the housing groove and accessible through said thumb opening and slot, means in the housing for holding the stymie marker in position against accidental discharge, said housing having the top thereof formed with a beveled seat forming a thumb rest facilitating convenient engagement of the stymie marker through the thumb opening and slot for the removal of the marker from the housing.

2,178,873

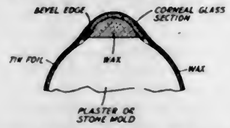
METHOD OF AND MEANS FOR MAKING CONTACT LENSES

William Feinbloom, New York, N. Y.

Application June 26, 1936, Serial No. 87,577

Renewed December 3, 1937

13 Claims. (Cl. 88—54.5)



13. The method of manufacturing a contact lens which comprises producing from a thin layer of non-irritating plastic impression material a form of substantially hemispherical shape to conform very generally to the shape of the eye, said material having a softening point substantially not greater than body temperature, removing from the center of said form a small circle of plastic material and replacing same with a glass corneal section to provide, interalia, means for holding said impression material while inserting and removing it from the eye, attaching said glass section to said impression material, applying a suction nipple to the outer surface of said glass to raise said plastic and for inserting same in the anesthetized eye, causing the plastic to assume the shape of the globe, determining the proper distance between the glass corneal section and the cornea of the eye while said impression material is in the eye, chilling the impression material in situ, removing the chilled material, casting a mold therefrom, and obtaining from said mold a contact lens whose glass corneal section is removed from the eye by the distance determined during the process of making said mold.

2,178,874

PROCESS OF PREPARING TANNING MATERIAL AND BY-PRODUCTS DERIVED THEREFROM

Laurence R. B. Hervey, Lexington, Mass., assignor to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts

No Drawing. Application May 6, 1937, Serial No. 141,127

20 Claims. (Cl. 149—5)

1. The process of preparing a tanning material, which comprises treating a hexavalent chromium compound with an acid resistant to oxidation and of sufficient strength to liberate free chromic acid and keep the trivalent chromium in solution, and treating the resulting product with an unsaturated organic compound to produce a reaction product containing a trivalent chromium salt.

2,178,875

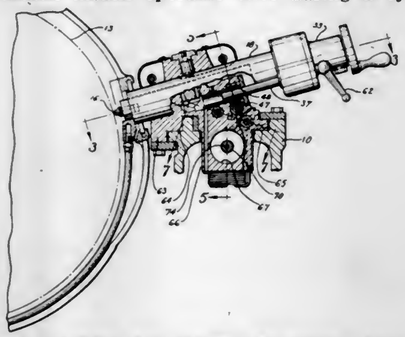
CONTINUOUS TRUING MECHANISM

Bernard A. Kearns, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application September 3, 1937, Serial No. 162,239

15 Claims. (Cl. 51—262)

1. In a grinding machine having a work support, a rotatably supported grinding wheel, and means for effecting a continuously repeating cycle of movement of the grinding wheel toward and from the work support to effect production grinding of successive work pieces, the combination of means for continuously truing the grinding wheel, including a truing tool supported for movement across the face of the grinding wheel, automatic means operable once during a cycle



of the machine for causing the truing tool to make a single unidirectional stroke across the face of the grinding wheel, and means for effecting a reverse stroke of the truing tool during the succeeding cycle.

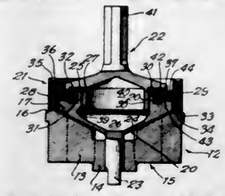
2,178,876

VALVE

John W. MacClatchie, Newhall, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California

Application May 28, 1937, Serial No. 145,252

4 Claims. (Cl. 251—127)



4. A valve for slush pumps and the like adapted for operation with fluids at high pressures, said valve embodying a body providing a valve seat engaging surface of wear resisting material, and a valve cap secured to said valve body, said body and cap being formed to provide a completely closed air chamber within the valve of large volume relative to the valve displacement when the body and cap are removably secured together in valve forming relation, and a flexible material packing member secured in position around the valve over and sealing the connecting joint between the valve body and cap to thereby seal-off said air chamber within the valve from passage of fluid under high pressure thereinto, and said packing member providing a sealing surface adapted to engage a valve seat in cooperative relation with the wear resisting valve seat engaging surface of said valve body.

2,178,877

WELDING MACHINE

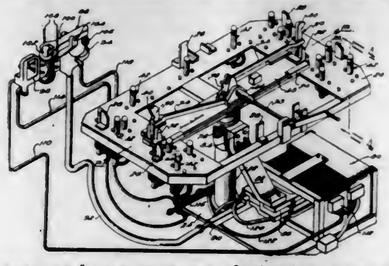
Charles B. Marvin and Edward J. Podany, Detroit, Mich., assignors to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application September 4, 1937, Serial No. 162,442

2 Claims. (Cl. 219—4)

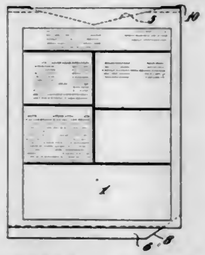
1. In a device of the class described, the com-

bination of a work table of conducting character, means carried by said table but insulated therefrom for positioning and securing a work piece



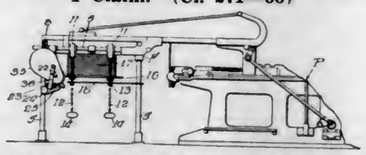
thereon, and one or more electrodes carried by and electrically connected to said work table for engaging a work piece when so positioned.

2,178,878
MULTIPLE COPY PAD
John L. McAdams, Newton, Mass.
Application May 19, 1937, Serial No. 143,443
1 Claim. (Cl. 282—22)



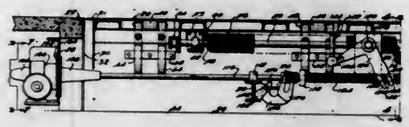
A multiple copy pad comprising a plurality of superposed sheets, alternate sheets having elongate centrally disposed recesses in their upper edges, the outer ends of the recesses being slightly spaced from the lateral edges of said sheets, the opposite ends of said alternate sheets extending beyond the corresponding ends of the other sheets, said alternate sheets having a coating of transfer material substantially coextensive with the surface of said other sheets, and binding means for securing the upper edges of said sheets together, said binding means being confined to the relatively narrow zones along said upper edges between the corners of said sheets and said outer ends of the recesses in said alternate sheets, thereby to insure ready separation of one or more sheets from the remainder of the pad.

2,178,879
PLATFORM OPERATING MEANS
John J. Mikes, Cicero, Ill., assignor of one-half to Edward E. Wagner, Chicago, Ill.
Application July 31, 1936, Serial No. 93,575
1 Claim. (Cl. 271—88)



In sheet receiving means intended for use at the delivery end of a printing press, a frame, two countershafts rotatably mounted adjacent the ends and transversely of said frame, a receiving platform, means suspending said platform from said shafts for raising and lowering thereof in accordance with the direction of rotation of said shafts, a drive shaft, a worm drive between said drive shaft and the respective countershafts for rotating the latter in either direction in accordance with the direction of rotation of said drive shaft, a ratchet wheel fixed to said drive shaft for turning it in platform lowering direction, a lever rockable about the axis of said drive shaft and adapted for connection to the printing press for oscillation thereby incident to the operation thereof, a pawl carried by said lever cooperating with said ratchet wheel for turning said drive shaft in platform lowering direction incident to operation of the press, an electric motor, and operating connections between said motor and said drive shaft for optionally driving the latter at high speed in platform lowering direction and thereby lowering the platform at high speed under control of said motor.

2,178,880
CROSSING PROTECTIVE SYSTEM
William G. Miller, Detroit, Mich., assignor to Grade Crossing Guard Corp., Memphis, Tenn., a corporation of Tennessee
Application February 10, 1937, Serial No. 125,081
20 Claims. (Cl. 39—6)



1. In a control system for a protective device embodying a retractable and projectable barrier, a motor operatively connected to said barrier, and a controller for said motor effective to cause said motor to start in operation, actuate said barrier to an intermediate height, stop said motor for a predetermined period, and then cause said motor to start and actuate said barrier to a fully projected position.

2,178,881
BALL BEARING MOUNTING FOR VIBRATOR HEADS
Louis H. Roeth, Chicago, Ill.
Application September 2, 1938, Serial No. 228,092
6 Claims. (Cl. 259—72)

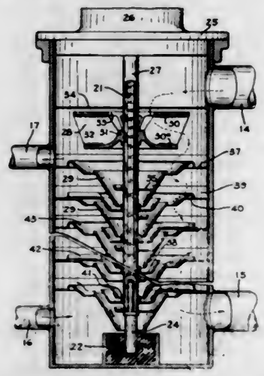


1. In combination, a shaft having connection with a source of power for rotating the same, a weight having end portions concentrically disposed with respect to the shaft and having an eccentric intermediate body portion, one of said end portions being fixed to the shaft, said other end portion being free and having floating relation with respect to the shaft, a bearing element journalling the shaft at the end having the weight fixed thereto, and a second bearing element journalling the portion which has floating relation with respect to the shaft.

2,178,882
COLOR FILM WITH SOUND RECORD
Wilhelm Schneider, Dessau, Anhalt, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application August 26, 1937, Serial No. 161,056. In Germany September 8, 1936
5 Claims. (Cl. 95—2)

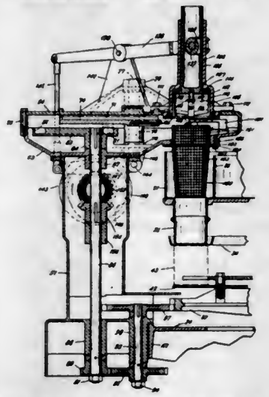
1. A process of producing multi-color sound films, which comprises producing a multi-layer film having incorporated in the several silver halide gelatin emulsion layers dyestuff components which, though soluble in aqueous liquids, are fast to diffusion and capable of forming dyestuffs with a developer adapted for color development, said several layers being sensitive to different colors, exposing said multi-layer film to a color picture image while protecting a marginal portion of the film for the sound record, developing all said layers in a single process in a developer capable of forming dyestuffs with said dyestuff components, bleaching the produced metallic silver, printing a sound negative on said marginal portion of said film while protecting the picture portion of the film from further exposure, developing the sound track in a black-and-white developer, and removing all the undeveloped silver halide still contained in said layers.

2,178,883
ABSORBER FOR REFRIGERATING SYSTEMS
Arnold D. Siedle, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 6, 1936, Serial No. 83,878
10 Claims. (Cl. 62—119.5)



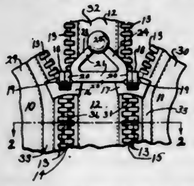
1. In an absorption refrigerating system, a vessel for intimately mixing a liquid and a gas and for causing liquid to circulate through said vessel and other parts of the system, said vessel having a plurality of members mounted for rotation therein to lift liquid and throw it outwardly to form sprays, a plurality of members fixed in said vessel for catching the liquid sprays, the members having inclined portions so disposed with relation to the rotating members that the liquid is caused to travel upwardly over the inclined portions thereof, and means for directing liquid which has traveled upwardly over the inclined portion of each of said stationary members into the inlet portion of the next higher lifting member.

2,178,884
FILLING MACHINE
Albert R. Thompson, Los Gatis, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 10, 1936, Serial No. 84,416
29 Claims. (Cl. 226—69)



24. In a filling machine, a series of receptacles for receiving charges of stock; a stock feeder for supplying stock to said receptacles including a stock holder, a stock cutter, and means for feeding stock from said holder to said cutter; means for discharging cut stock from said stock feeder into said receptacles; means for driving said receptacles and said stock feeder in a timed relation; and means for adapting said discharging and driving means to effect simultaneous discharge of stock into a plurality of said receptacle.

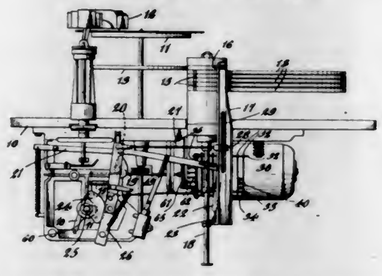
2,178,885
DOUBLE CLOSURE, JOINTLY OPERATED, FOR FLEXIBLE ARTICLES
Peggy Buff, Camden, N. J., and John Edward Thebaud, Philadelphia, Pa.; said Thebaud assignor to said Buff
Application December 8, 1936, Serial No. 114,838
2 Claims. (Cl. 24—205)



1. In an article having a flexible wall part divided into two spaced wall portions and a tongue portion adapted by its width to fill in the space between said wall portions, two closures for releasably attaching said tongue portion to the adjoining wall portions, each of said closures connecting said tongue portion to that wall portion next adjoining, and a yoke extending across the face of said tongue portion, connecting said two closures, each of said closures including a series of pairs of releasable, interlocking elements, one set of said series of elements being fixed to an edge of said tongue portion, and the adjoining set of said series of elements being fixed to the edge of an adjoining wall portion, a threading member for each of said closures, adapted to releasably join opposing

lines of said interlocking elements, a lug projecting integrally from each of said members, an ear adjoining each of said lugs and projecting integrally and transversely from each end of said yoke, pivot means axially positioned across each pair of adjoining ears and lugs, to connect the same, and adapting said member to turn on said lugs, to adjust itself during the manual operating of said yoke, in either direction, longitudinally of said tongue portion, as said closures are being operated simultaneously to open or close the space between said spaced wall portions.

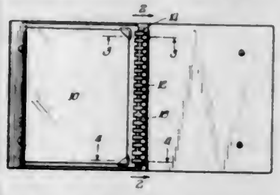
2,178,886
SEQUENCE SELECTOR FOR AUTOMATIC PHONOGRAPHS
Hobson J. Cloer, Fort Worth, Tex., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application July 24, 1937, Serial No. 155,487
10 Claims. (Cl. 274—10)



7. In an automatic phonograph, the combination with a plurality of record carriers movable to and from an operative position relative to the turntable and adjustable means selectively engageable with the carriers for moving them to such position, of a sequence selector mechanism for adjustably controlling said carrier moving means consisting of a plurality of superposed, pivoted selector levers corresponding in number to the carriers and movable in predetermined sequence from a normal, non-selecting position to a selecting position in the adjustable path of movement of the carrier-moving means for governing its selective position, means for moving said selector levers toward their selective governing position, selector means companion to said levers and actuated by the user for selecting a program of records to be played, means actuated by said selector means for releasably retaining said selector levers in their non-selecting positions, said levers being released for movement upon the actuation of the companion selector means to record-selecting position, and displaceable selector bars disposed in the path of movement of said levers for controlling the sequence movement of the latter to selective governing positions.

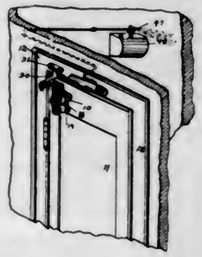
2,178,887
BINDER
Herman Fabry, Evanston, Ill.
Application May 8, 1939, Serial No. 272,407
3 Claims. (Cl. 281—19)

1. In a binding means adapted to hold a plurality of sheets through perforations, and including a cover member having an attached strip provided with upstanding ends, a cambered wire adapted to receive said binding member, one end of said wire being non-rotatably attached to one upstanding end, a button fixed on the other end of said wire adapted to be engaged with and



disengaged from the other upstanding end by changing the camber of the wire.

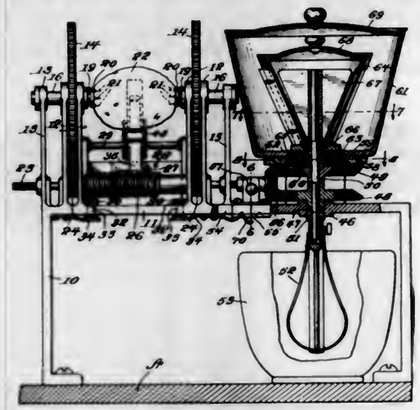
2,178,888
DOOR CHECK DEODORIZING SPRAY
Stanley N. Feldstein, Chicago, Ill.
Application October 29, 1937, Serial No. 171,741
1 Claim. (Cl. 299—82.5)



An atomizer for a door check deodorizing spray comprising an atomizer tank having a supply of deodorizing and disinfectant liquid, a neck extending upwardly from the tank, an overflow well surrounding said neck, an air pressure tube leading from an air compression cylinder through and above the removable head, a liquid exit tube extending upwardly within said tank through said neck and through and above the head and having an opening at its upper end, said air pressure tube extending above said liquid exit tube and having an opening in its inner side wall substantially at right angles to and entirely above the open end of the liquid exit tube so as to prevent any passage of liquid into said air pressure tube and back into said compression cylinder.

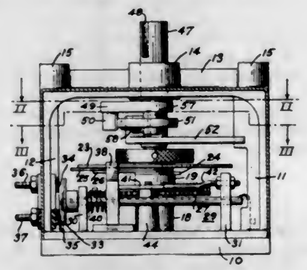
2,178,889
COMBINATION PEELER, BEATER, AND SLICING MACHINE
Joseph D. Gabrieau, Tacoma, Wash.
Application April 11, 1938, Serial No. 201,391
9 Claims. (Cl. 146—43)

1. A machine comprising a supporting frame having a top, bearings rising from said frame at its top, a pair of gears journaled spaced from each other in certain of said bearings, tubular turning barrels fitted centrally to said gears and disposed opposite each other, stems slidably fitting said barrels and rotatable with the gears, spurred circular heads carried by said stems for gripping a vegetable or fruit therebetween, a power shaft journaled in said bearings and having a feed screw, pinions fixed to the power shaft and meshing with said gears, a cradle vertically swingable beneath the heads, a feed collar supported by said cradle and engageable with the said screw and having a rack guide, a rack adjustably fitted in said guide, a blade peeling device supported by the rack and adjustable therewith, and means for holding the cradle in a posi-



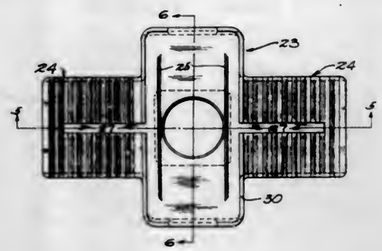
tion to have the feed collar engaged with or disengaged from the feed screw.

2,178,890
TIMING DEVICE FOR CONTROL CIRCUITS
Roy Hanmore Gerard, Oakland, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application June 6, 1938, Serial No. 212,163
14 Claims. (Cl. 200—38)



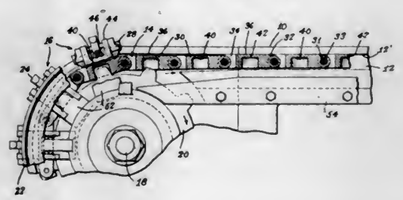
1. In a timing device for an electrical control circuit, the combination of an energy storing spring, a movable member adapted to be driven in one direction by said spring and adapted when driven in a reverse direction to wind said spring, means for driving said member in a reverse direction to wind said spring, a releasable connection between said last means and said member adapted to release said member at a predetermined point in its reverse directional movement and permit forward movement thereof by said spring, a governor means associated with said spring and said member adapted to regulate the speed of movement of said member under the influence of said spring, a circuit controlling switch adjacent the path of movement of said member, a plurality of adjustably spaced switch operating members carried by said movable member adapted to engage and operate said switch at predetermined intervals as determined by the spacing of said switch operating members upon said movable member when said member is moved forward under the influence of said spring and governor means.

2,178,891
RAILWAY JOURNAL LUBRICATOR
James J. Hennessy, Montclair, N. J.
Application August 12, 1936, Serial No. 95,493
3 Claims. (Cl. 308—83)



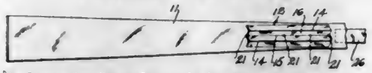
1. A lubricant distributor device for application to a cylindrical journal, comprising an arcuate pan-like body including a central portion of substantial width and side portions of restricted width, said central portion being bounded at front and rear by upstanding ribs the edges of which are shaped to conform to the contour of the journal to which the device is applied, said side portions having spaced ridges substantially paralleling said ribs, there being a longitudinal groove cutting said ridges and the adjacent rib of said central portion and leading from the bottom of said central portion to the bottoms of the recesses between said ridges, and baffling ribs in said central portion extending continuously across the middle portion thereof and substantially paralleling said ribs but terminating short of the ends thereof.

2,178,892
TENTER CLIP
Harry A. MacKnight, Cranston, R. I., assignor to Winsor & Jerauld Manufacturing Company, Providence, R. I., a corporation of Maine
Application April 26, 1938, Serial No. 204,316
1 Claim. (Cl. 26—61)



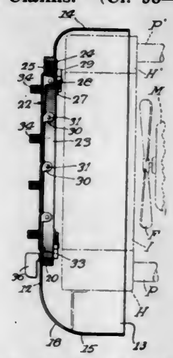
A tenter clip for a tenter chain movable along a horizontal rail and around a sprocket rotatable about a vertical axis, said clip comprising a body portion with integral arms at one end and an integral tongue at the opposite end whereby the clip may be directly connected to like adjacent clips; a continuous uninterrupted integral bearing surface on one vertical side of said body portion extending from said arms to said tongue for sliding engagement with the vertical side face of said rail; a recess in said body portion behind said bearing surface, with its single opening in the vertical side of said body portion opposite said bearing surface, for receiving a tooth of said sprocket; and means for engaging a strip of cloth moving in a direction parallel to the horizontal rail.

2,178,893
NECKTIE
Mabel C. McCurrach, Brooklyn, N. Y., assignor to McCurrach Organization, Incorporated, New York, N. Y., a corporation of New York
Application June 14, 1938, Serial No. 213,570
2 Claims. (Cl. 2—146)



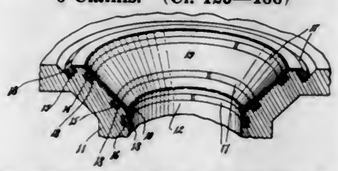
1. A four-in-hand necktie having between the front and rear walls at the knot-tying region of the necktie an elongated prefolded pleat-forming element of relatively firm fabric, said pleat-forming element having three longitudinal pleats which are free to expand and contract laterally, the center pleat extending toward the rear of the tie and the side pleats extending toward the front of the tie to provide said pleat-forming element with a cross section of generally M-shape.

2,178,894
HEATER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 17, 1936, Serial No. 96,445
3 Claims. (Cl. 98—2)



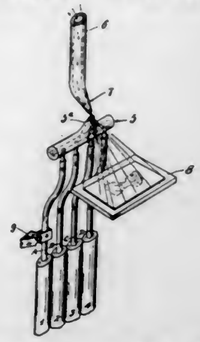
1. In a device of the class described and in combination, a heater casing having top, bottom, front, and side portions, and having a plurality of permanently open elongated openings in the lower front and bottom portions, whereby a current of air may be directed forwardly and downwardly of said casing, and a universally adjustable closable vane for directing a flow of air in any desired direction outwardly from said casing.

2,178,895
VALVE SEAT INSET
Roy William Myers, Dennison, Ohio, assignor of one-fifth to Leo Myers, Dennison, Ohio
Application March 9, 1939, Serial No. 260,768
6 Claims. (Cl. 123—188)



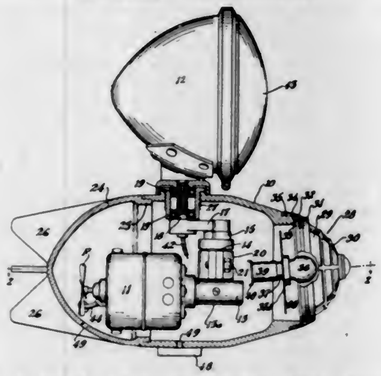
1. In combination with a member having a valve port therein provided with spaced annular grooves, a valve seat inset comprising an annulus of heat resisting alloy metal having spaced, annular, channel portions fitted into said grooves, and expansible spring rings located in said annular channel portions, providing a valving surface of heat resisting alloy metal between said rings.

2,178,896
PROCESS OF MAKING PHOTOGRAPHS
George N. Pifer, Cleveland Heights, Ohio, assignor to Speedtype, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 7, 1935, Serial No. 35,068
Renewed April 11, 1939
2 Claims. (Cl. 95—88)



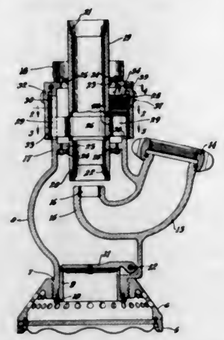
1. The process of producing a photograph which comprises applying a developing solution to the exposed sensitized surface, then applying an acid bleaching solution thereto, partially removing said bleaching solution, then applying a "hypo" solution, and then without an intervening washing of the surface and while the same is in an acid condition and without exposure to light, applying a developing solution thereto in the presence of the "hypo" solution which mixes with the developing solution and acts as an accelerator therefor.

2,178,897
SIGNAL LAMP
John C. Schellin, Wooster, Ohio
Application January 30, 1937, Serial No. 123,259
3 Claims. (Cl. 177—329)



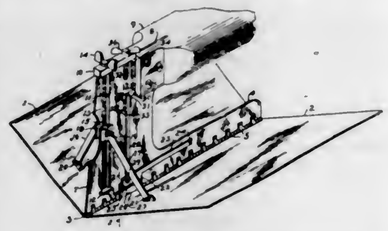
3. A signal light including a fixed lamp for directing a beam of light forwardly, means for flashing said lamp off and on, an oscillatable lamp mounted on and above said fixed lamp at an inclination thereto, and means for continuously oscillating said oscillatable lamp in opposite directions, said lamps being so constructed and arranged that the beam from the fixed lamp intersects the path of light from the oscillatable lamp.

2,178,898
SIPHON PUMP CONSTRUCTION
John C. Schellin, Earl J. Housekeeper, and Henry M. Hunt, Wooster, Ohio, assignors to Akron Brass Manufacturing Company, Incorporated, Wooster, Ohio, a corporation of Ohio
Application July 1, 1938, Serial No. 216,954
1 Claim. (Cl. 103—260)



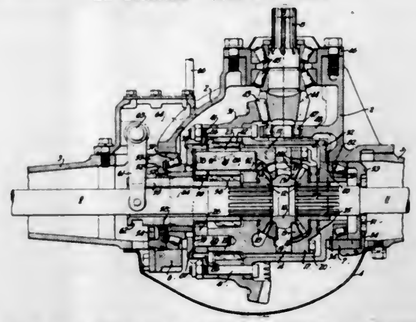
In a siphon pump having a housing terminal and a discharge tube axially movable within said housing terminal, a yoke secured on said discharge tube, ears on said yoke projecting through said housing terminal and movable axially thereof, said housing terminal having a side opening therein for inserting said yoke for assembly, a sleeve swiveled on the discharge end of said housing terminal screwed onto said projecting ears and covering said housing terminal side opening, and means rotatably mounting said sleeve on said housing terminal.

2,178,899
TROWEL
Guy J. Shaffer, Palo Alto, Calif.
Application February 3, 1939, Serial No. 254,415
5 Claims. (Cl. 72—136)



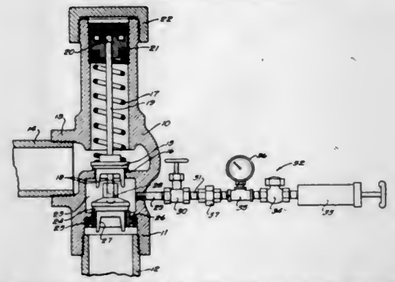
5. A trowel comprising, a supporting plate provided with a handle, a pair of trowel blades hingedly mounted on one edge of the plate along parallel edges, and instrumentalities adjustably associated with the plate and connected to the blades to adjustably position the blades about the hinge.

2,178,900
SPEED CHANGE AXLE AND MEANS FOR OILING THE SAME
Charles E. Starr, deceased, late of Inglewood, Calif., by Eva M. Starr, administratrix, Inglewood, Calif., assignor to Perfecto Gear Differential Co., Bellingham, Wash., a corporation of Washington
Application April 13, 1936, Serial No. 74,132
11 Claims. (Cl. 184—11)



1. A speed change axle comprising a housing for holding oil, a pair of axle shafts in the housing, a differential gear system connecting the shafts and having a differential casing, a planetary gear system connected with the differential gearing and comprising a planet pinion, a shaft for the pinion and having an end mounted on the differential casing, a rotor encasing said gear systems and journaled in the housing, means for feeding oil from the housing into the rotor, a passage in the differential casing for admitting oil from the rotor into said casing, and a passage in the pinion shaft and communicating with the interior of said casing for directing oil to the bearing surfaces on said shaft.

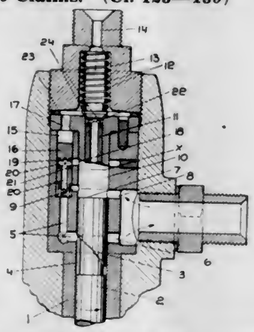
2,178,901
COMBINATION RELIEF VALVE AND TESTER
John F. Webster, Costa Mesa, Calif.
Application March 2, 1938, Serial No. 193,491
6 Claims. (Cl. 73—51)



1. In a valve device of the character described, the combination comprising a chamber having an inlet and an outlet, a relief valve, means exerting a closing force against the relief valve whereby the valve is adapted to open at predetermined pressure in said chamber to discharge fluid from the chamber through said outlet, a second valve adapted to close said inlet, and normally inoperative means for testing the opening pressure of the relief valve, provided with means for selectively admitting fluid to said chamber under pressure independently of said inlet to close said second valve and open the relief valve, and means

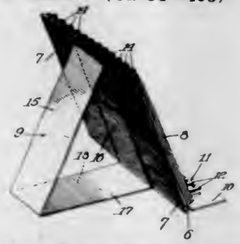
for indicating the pressure in said chamber when the relief valve opens due to said fluid under pressure.

2,178,902
FUEL FEEDING MEANS FOR INTERNAL COMBUSTION ENGINES
Carl Herman Clausen, Stockholm, Sweden
Application September 22, 1937, Serial No. 165,219
In Sweden September 18, 1936
16 Claims. (Cl. 123—139)



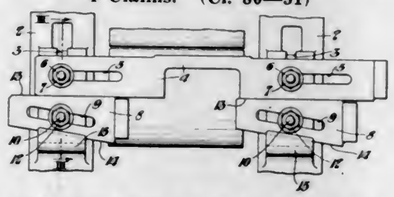
1. In a fuel feeding means for internal combustion engines, a fuel piston pump for feeding fuel into a pressure piping leading to an injection nozzle of the engine, a control member, a cylinder in which said member is movable, a conduit connecting said cylinder to said pressure piping, a second conduit connecting said cylinder to the pressure chamber of said pump, a third conduit having periodic communication with a low pressure area also connected to said cylinder and said control member controlling the communication between said second and third conduits and being movable in said cylinder by variations in pressure existing in said piping and said pump pressure chamber.

2,178,903
COMBINED MUSICAL INSTRUMENT AND MUSIC-SCORE DEVICE
Morris M. Cole, Chicago, Ill.
Application May 20, 1939, Serial No. 274,817
1 Claim. (Cl. 84—403)



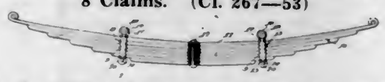
A device of the class described comprising, in combination: a book formed of covers and a plurality of leaves carrying musical scores, said leaves and covers hingedly bound together at one edge of the book; a flap hinged to the free edge of the back cover, thereby permitting said flap to lie flat in operative position; a musical instrument carried by said flap; a foldable support whose length is less than the length of the front cover hinged near the top of the inside of the front cover, a foldable check member connecting the free end of said support with the bottom of said front cover thereby permitting the face of the front cover to contact the face of the rear cover at an angle to the perpendicular, and permitting said leaves to be moved about their hinged edges to the rear of said foldable support whereby to expose the musical score of any leaf in a position above, beyond and at an angle to said musical instrument.

2,178,904
REST-BAR ADJUSTMENT FOR ROLLING MILLS
Floyd A. Garman, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 28, 1937, Serial No. 166,142
4 Claims. (Cl. 80—51)



1. In a rolling mill, a movable horizontally disposed rest-bar extending across the outer faces of the end-housing portions of said mill for supporting guiding mechanism, adjustable means for attaching the ends of said bar to each of the housing face portions for horizontal adjustment of said bar thereon, a movable plate-like wedge member arranged on the outer faces of each of said housing portions immediately below each end of said bar, and means for holding each of said wedge members in adjustable engagement with their respective housing portions, each of said wedges having an inclined lower edge which is disposed against a shoulder carried by each of the faces of said housing portions and a substantially horizontal straight upper edge which is disposed against the bottom edge of said rest-bar for vertical adjustment thereof.

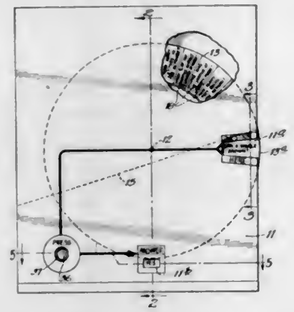
2,178,905
ROLLER SPRING ALIGNMENT CLAMP
Clarence L. Hahn, Baltimore, Md.
Application April 17, 1939, Serial No. 268,371
8 Claims. (Cl. 267—53)



1. A spring clamp comprising a U-shaped member adapted to embrace the bottom and sides of a spring having a plurality of superposed leaves, means for pivotally securing the member at the bottom to said spring, and an eccentric roller carried by the member adapted to continually engage and maintain a pressure contact with the top surface of the uppermost leaf of the leaf spring when the spring flexes.

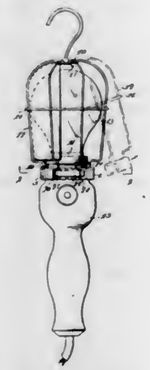
2,178,906
EDUCATIONAL GAME DEVICE
Frederick C. Haumerson, Racine, Wis.
Application July 20, 1938, Serial No. 220,181
6 Claims. (Cl. 35—74)

1. In apparatus of the class described, a housing having a plurality of openings, a disk rotatably mounted therein for rotation about a center and having a series of questions printed thereon and adapted to register one at a time with one of the openings and having a series of answers each adapted to register with the other opening so that question and answer appear si-



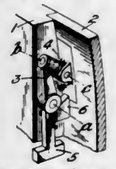
multaneously, the answers being printed on the reverse side of the disk from the questions, and a mirror for reflecting the answer through the opening.

2,178,907
ELECTRIC LAMP GUARD
Owen A. Hockley, Lebanon, Pa.
Application March 8, 1939, Serial No. 260,633
1 Claim. (Cl. 240—54)



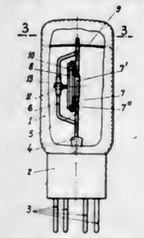
In combination with a lamp guard of the class described and comprising a cage made in two separable parts, each consisting of a plurality of curved wires, a disk having the wires of the two separable parts hinged thereto, a two-part internally channeled clamping ring, the wires of one part of the cage being fitted to one part of the ring and the wires of the other part of said cage being fitted to the other part of said ring, said parts of the ring having side openings adjacent to the ends thereof, the wires connected to one part of the ring and next to the openings in the latter being formed with outstruck crank-like bights in the direction of said openings, and latches swingably connected to said bights and separably engageable with the other part of the ring at the openings therein for the clamping of said ring about a holding member for the lamp and the fastening of the two parts of the ring together.

2,178,908
HINGE MOUNTING FOR DOORS, PANELS, HATCHWAYS, OR THE LIKE
Richard John Harrington Hudson, Dousland, South Devon, England
Application November 8, 1938, Serial No. 239,569
In Great Britain October 7, 1937
13 Claims. (Cl. 16—164)



1. Hinging means for closures by which a closure may both swing and be displaced with respect to an opening, which comprises a first pivotal means supported by the frame of the opening and defining an axis arranged substantially at right angles to the direction of displacement of the closure, an arm carried by said first pivotal means and adapted to outwardly displace said closure from said frame, a second pivotal means carried by said arm that defines an axis which is arranged at an angle to the axis of said first pivotal means so that the axial direction of said second pivotal means is changed by movements of the arm about said first pivotal means, and means connecting said second pivotal means to said closure, said second pivotal means being adapted to permit the swinging of the closure when said closure is displaced outwardly from said frame whereby said closure may be both swung and displaced with respect to said opening.

2,178,909
EVACUATED BULB MOUNT FOR PIEZOELECTRIC CRYSTALS
Leone Kamenarović, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Societá Anonima, Milan, Italy, a corporation of Italy
Application March 17, 1938, Serial No. 196,510
In Italy March 22, 1937
18 Claims. (Cl. 171—327)

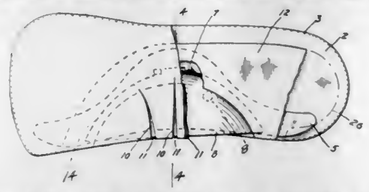


1. An evacuated bulb mount for a piezoelectric crystal comprising coextensive rods having their roots fast in the bulb press, a transverse insulating sheet located in said bulb at the end thereof spaced from said press and having its edges abutting on the internal surface of the bulb wall, said sheet cooperating with said rods to position them, an electrode plate carried by a number of said rods, a second electrode plate carried by other ones of said rods and a crystal intermediate said electrode plates.

2,178,910
ARCH SUPPORT
Robert L. Latham, Las Vegas, Nev.
Application February 12, 1938, Serial No. 190,242
5 Claims. (Cl. 36—71)

1. An arch exerciser comprising a shoe-arch

fitting casing made from two pieces of leather or the like sewed together along one side edge and around the ends but remaining open along the other side, there being in the top piece transverse slits extending from the open side, and an arched sheet spring member seated within said casing to maintain the edges of said opening



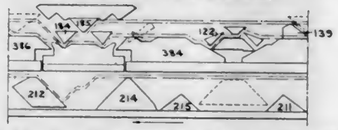
spaced apart and causing slits to spread apart toward said opening, and an elastic lining fastened to the inner surface of the casing below the said slits, the device being capable of flexing by pressure of a foot in walking, causing said slits to close and the said lining to draw together at the slits.

2,178,911

SPLIT-FOOT KNITTING MACHINE

Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application August 16, 1935, Serial No. 36,563
Renewed April 28, 1939
25 Claims. (Cl. 66—43)



15. A knitting machine having needles, two feeding stations and cams at each feeding station for effecting the knitting of split-work fabric, there being relative reciprocatory movements between the cams and the needles, and the construction being such that needles which knit at one station pass through the cams at the other station and tend to redraw their stitches as they pass beneath cams thereat, the cam means at a feeding station at which stitches tend to be redrawn being shaped to elevate needles thereby to relieve strain on stitches knitted at the other feeding station.

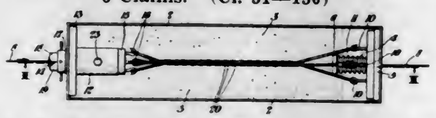
21. A sinker for use in a circular, independent needle, two-feed split-foot knitting machine, said sinker having a throat defined by a yarn drawing edge and a nib, the said throat being recessed to avoid straining of the loops or stitches.

2,178,912

WIRE CLEANING DEVICE

Francis P. Leahey, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application April 23, 1938, Serial No. 203,943
6 Claims. (Cl. 51—150)



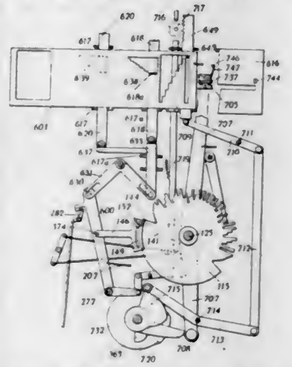
1. A cleaning device of the class described comprising a container for holding a quantity of loose abrasive material, a plurality of lengths of fibrous material and a means for holding and twisting the lengths of said fibrous material around the article to be cleaned so as to completely encircle and contact the outer surface thereof, said fibrous material adapted to cooperate with said abrasive to clean the surface of the article as it passes therethrough.

2,178,913

CALCULATING MACHINE

Ernest Charles McClure, Wahroonga, New South Wales, Australia, assignor to Powers Accounting Machines, Limited, London, England

Application September 2, 1936, Serial No. 99,155
In Great Britain September 5, 1935
4 Claims. (Cl. 235—61)



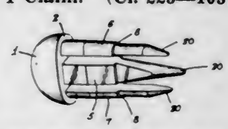
1. Mechanism for accumulating the partial products obtained from the multiplication of two factors comprising in combination a frame, a plurality of accumulator plates pertaining to a single denomination of the product, said plates being slidably mounted in said frame, a settable stop for one of said plates, said stop being mounted in the frame, a settable stop for the adjacent plate, said second mentioned stop being carried on said first mentioned plate, means for setting said stops and means for maintaining the stop which is carried on said first mentioned plate in operative relation with the setting means irrespective of the position of the plate on which said stop is carried.

2,178,914

CURTAIN ROD THREADING ATTACHMENT

William McGurk, Allston, Mass.

Application July 9, 1938, Serial No. 218,337
1 Claim. (Cl. 223—105)



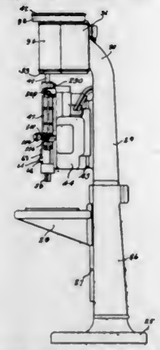
A removable curtain-rod threading device of the kind described, comprising plastic material formed with a conical head and a plurality of projecting prongs integral with said head extending therefrom, each prong having a shoulder intermediate its end and a reduced portion in each prong beyond said shoulder tapering to a rounded point, said prongs being resilient widthwise and adapted to yieldingly engage curtain rods of tubular or channel construction and of varying diameters.

2,178,915

MACHINE TOOL

George K. McKee and Charles E. Bernitt, Cincinnati, Ohio, assignors to The Avey Drilling Machine Company, Covington, Ky., a corporation of Ohio

Application February 28, 1936, Serial No. 66,263
29 Claims. (Cl. 77—32)



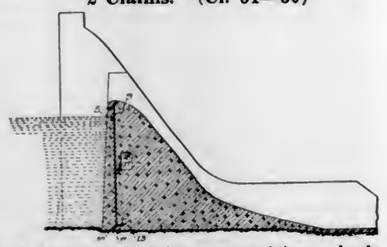
1. In a machine tool, the combination of a tool carrier, hydraulic means for advancing and retracting said carrier, and a control mechanism for said hydraulic means including a control valve, a starting valve for said control valve and operable for directly connecting a hydraulic pressure source therewith for shifting the same to effect the operation of the carrier at a rapid rate in a given direction, means associated and movable with said carrier for shifting the starting valve to relieve the hydraulic pressure on the control valve, spring means for shifting the control valve upon release of the pressure thereon to a position to effect continued movement of the carrier but at a slow rate of speed, latch means limiting the movement of the control valve by the spring means, and means operable for releasing the latch and effecting a further shifting of the control valve to effect a reverse movement of the carrier at a rapid rate.

2,178,916

DAM CONSTRUCTION

Arthur O. Neuman, San Antonio, Tex.

Application May 2, 1938, Serial No. 205,549
2 Claims. (Cl. 61—30)



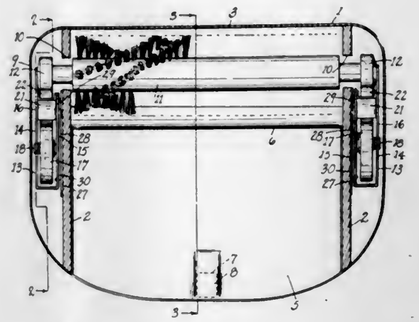
1. A dam construction comprising a body portion formed of a mass of plastic material, a plurality of tiers of drain tile arranged in transverse spaced relation with respect to each other, embedded within the plastic material, drainage galleries formed in the body portion, pipes establishing communication between the drain tiles and galleries, and said drain tiles being constructed of plastic material whereby moisture may find its way into the drain tiles through the walls thereof.

2,178,917

CARPET SWEEPER

Fred W. Pullen, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich.

Application February 4, 1938, Serial No. 188,636
4 Claims. (Cl. 15—41)



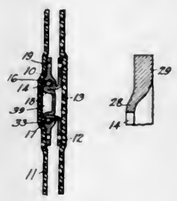
1. In a carpet sweeper, a casing having a brush opening along the bottom of its forward edge and a dust pan extending rearwardly from said brush opening, said casing having at each end a brush and wheel supporting unit comprising a yoke having a pair of arms of unequal length, a wheel pivoted on an axle extending between the arms of said yoke, the longest arm of each yoke lying away from the casing and having a brush pivot thereon, a brush pivoted between said brush pivots and having driving hubs thereon at each end, each unit having an idler wheel, and a spring for holding said idler wheel resiliently in contact with said brush hub and floor wheel of said unit, and a pivot for each unit located between the wheel axle and brush pivot of said unit and pivotally connecting said unit to the end of the sweeper casing.

2,178,918

METHOD OF MAKING SNAP FASTENER SOCKETS

Daniel I. Reiter, New York, N. Y.

Application July 14, 1938, Serial No. 219,123
5 Claims. (Cl. 29—148)



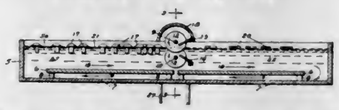
1. The method of making a one-piece snap fastener socket comprising providing a flat blank with a central opening, pressing the inner portion of the blank surrounding the opening laterally in one direction to one side of the blank and beyond one face thereof while reducing its thickness, and swaging the remaining outer material of the other face of the blank inwardly and laterally in the other direction and beyond said other face while reducing the thickness thereof.

2,178,919
STRIKER
Lloyd R. Rhein, Pleasant Ridge, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 26, 1938, Serial No. 210,260
7 Claims. (Cl. 292—340)



1. A striker for a latch bolt comprising a plate having a base face and a face at an acute angle thereto along which the bolt rides in the closing of the door, and a safety catch in the form of a plunger mounted for reciprocation within the striker with its axis positioned at an acute angle to said base face and with the inner end of the plunger disposed toward the closing direction of the door, said safety catch when fully projected extending beyond the bolt contacting face of the striker in the pathway of the latch bolt whereby in the closing of the door the latch bolt rides over and depresses the plunger until the bolt clears the plunger whereupon the plunger is free to project behind and interengage the bolt.

2,178,920
METHOD FOR SLICING
Charles W. Savery, Denver, Colo.
Application January 24, 1938, Serial No. 186,599
2 Claims. (Cl. 146—219)



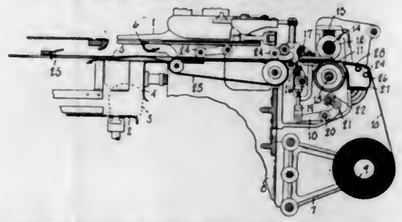
1. The method of slicing mushrooms or the like which consists in floating the mushrooms in a moving flow of liquid in vertical position to and through a slicing zone while simultaneously operating knives in closely spaced relation in vertical planes in said zone to vertically slice the mushrooms.

2,178,921
PEDAL
Frank W. Schwinn, Chicago, Ill.
Application March 3, 1938, Serial No. 193,676
12 Claims. (Cl. 74—594.4)



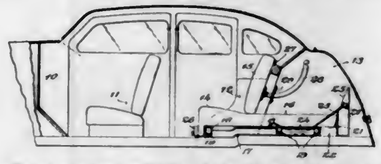
10. A pedal of the type including a hub, a pair of end brackets centrally supported at the ends of the hub, and treads joining the extremities of said end brackets, characterized by treads consisting of a tread plate provided with a marginal flange, recessed apertures for fastenings, and a deep centrally located socket portion, and a relatively soft molded pad enveloping the concave surface of said plate provided with a marginal hook flange enveloping the marginal flange of the tread plate and said aperture, and a heavy lug extending into and tightly engaging the socket within said tread plate.

2,178,922
WEB FEEDING AND CONDITIONING DEVICE
John W. Smith, Battle Creek, Mich., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich.
Application October 28, 1937, Serial No. 171,537
12 Claims. (Cl. 93—2)



1. In a wrapping machine, including means for supporting a roll of waxed paper, rotary means for intermittently feeding a web from said roll, intermittently operable cutting means for severing lengths from said web disposed at the rear of the feeding means, means for folding said lengths around an article to be wrapped, and means for forwarding the lengths to said folding means; a conditioning device for cooling the wax on said web disposed in advance of and close to said feeding means, comprising a cooling box between said roll and said feeding means, said box contacting the web throughout the entire width of the latter and being shaped to contact the web over a substantial area during the feeding thereof, and a refrigerating coil in said box, said box being sufficiently cooled thereby to present an external coating of frost or ice at the surface contacted by the web to facilitate feeding of the latter.

2,178,923
AUTOMOBILE BED
William Ellison Stewart, Hollidays Cove, W. Va.
Application April 21, 1938, Serial No. 203,397
4 Claims. (Cl. 155—7)



1. In a motor vehicle, a seat including a back and a bottom, a bed medial portion formed as a unit with said seat bottom and extending rearwardly therefrom beneath the seat back, said seat bottom constituting the front portion of the bed, a rear bed section separate from said medial bed portion and located rearwardly of the latter, means mounting said rear bed section for swinging movement between an upright position and a horizontal position in which it constitutes in effect a rearward extension of the medial bed portion, means mounting said seat bottom and said bed medial portion for sliding movement forwardly from and rearwardly to a normal position in which the seat bottom serves its normal function as the bottom of said seat, means whereby the rear bed section is swung to its upright position when the seat bottom and the medial bed portion are slid rearwardly to their normal position, and means whereby said rear bed section is swung to its horizontal position when the seat bottom and the medial bed portion are slid forwardly from their normal position.

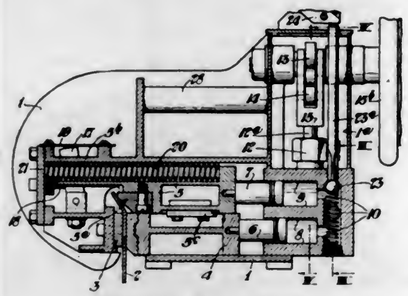
2,178,924
PROTEIN PLASTIC
Oswald Sturken, Closter, N. J., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 3, 1935, Serial No. 38,971
8 Claims. (Cl. 18—48)

1. A process for producing a plastic which comprises plastifying a mixture in which the reactive elements consist essentially of zein and formaldehyde in the form of an aqueous solution, forming the plastified material into suitable shapes, and curing the shaped masses.

2,178,925
METHOD OF QUENCHING STEEL AND OTHER ALLOYS
Clarence Walter Wilson, Norco, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application August 1, 1938, Serial No. 222,447
16 Claims. (Cl. 148—18)

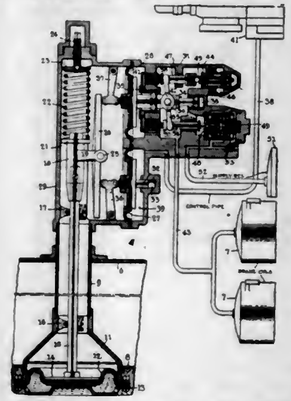
1. A process which comprises quenching heated metals or metal alloys in an aqueous medium comprising an alkali or ammonium pectate and a suitable surface-tension depressant.

2,178,926
BENDING MACHINE
Alan E. Brickman, Worcester, Mass., and Leiv S. Platou, Southington, Conn., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 24, 1937, Serial No. 138,826
8 Claims. (Cl. 153—21)



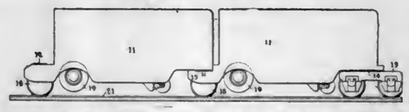
1. A portable machine for bending the edge portions of sheet and strip metal, including an anvil for engaging one side of the work adjacent its edge portions, a reciprocative jaw for engaging the other side of the work opposite said anvil, a reciprocative bending tool moving parallel said jaw for engaging said other side of the work and bending the latter between the part engaged by said anvil and jaw and its edge, a piston and cylinder motor for reciprocating said jaw toward said anvil, a piston and cylinder motor for reciprocating said tool toward the work, means for applying fluid under pressure to the cylinders of said motors and means for constantly equalizing the fluid pressure in said cylinders, said machine including spring returning means working against said tool, a valve for releasing the pressure in said cylinders and means on said tool for engaging said jaw upon partial return of said tool by said returning means so as to thereupon effect the return of said jaw.

2,178,927
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application July 20, 1937, Serial No. 154,675
6 Claims. (Cl. 303—22)



1. In a brake for cars of the type in which a substantial part of the lading is a liquid carried in a tank, the combination of a brake controlling valve device; a relay responsive to pressure established by said valve device and serving to establish a related brake applying pressure; adjustable means associated with the relay for establishing different ratios between the pressure created by the brake controlling valve device and the related brake applying pressure established by the relay, the adjustment of said means being progressive at least to the extent that there are more than two settings which differ by successive small increments; and means responsive to the depth of the liquid in such tank determining the adjustment of said adjustable means.

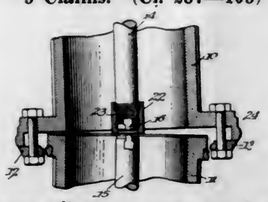
2,178,928
CONVERTIBLE BRAKE CONTROL FOR ROAD-RAIL VEHICLES
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 27, 1939, Serial No. 258,741
21 Claims. (Cl. 188—3)



1. In a fluid pressure brake system, the combination of two brake applying means each independent of the other and each comprising a brake cylinder; a normally charged brake pipe; at least one reservoir charged from said brake pipe, said reservoir serving to supply air for operating each brake cylinder; two brake controlling valve devices one for each brake cylinder, each capable of response to pressure reductions in said brake pipe to apply its brake by supplying air from the reservoir to the corresponding brake

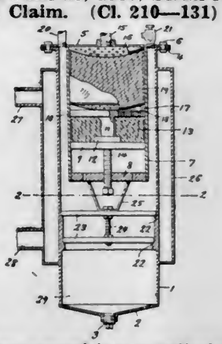
cylinder; and means shiftable to two positions in which, respectively, it renders the brake controlling devices selectively responsive to brake pipe pressure while inhibiting effective response of the other valve device.

2,178,929
BREAKABLE HYDRANT STEM
Earl E. Cline, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application September 24, 1937, Serial No. 165,581
5 Claims. (Cl. 287—105)



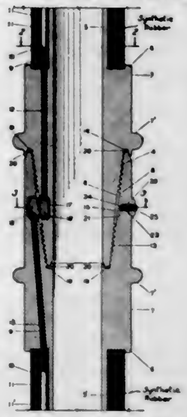
5. A valve operating stem for fire hydrants, said stem comprising two aligned portions, a double-headed key engaged in transversely extending under-cut grooves in the adjacent ends of said stem portions, said key serving to hold said stem portions together and to prevent their relative rotation, said key having a relatively readily rupturable portion substantially between said adjacent ends, and a sleeve threaded on one of said portions, said sleeve having a portion bearing against and slightly engaged around the adjacent tip of the other of said portions whereby to tension said key and align said portions so that a normally rigid and straight stem is provided, the joint between said sleeve and the tip of said other portion being such as to enable the stem portion to assume an angular relation under abnormal bending stresses so that the readily rupturable portion of said key is broken.

2,178,930
OIL FILTER
Harry D. Crawford, Chippewa Falls, Wis.
Application June 29, 1937, Serial No. 151,049
1 Claim. (Cl. 210—131)



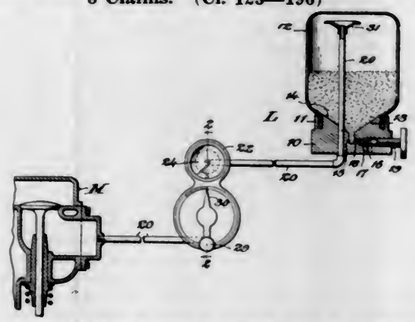
An oil filter comprising a cylindrical housing having a substantially conical bottom and open flanged top, an integral jacket surrounding said housing intermediate the ends thereof having fluid inlet and outlet openings therein for connection with a hot water supply, a closure for said housing having oil inlet and outlet openings therein, a cylinder depending from said closure in spaced relation to said housing communicating with said oil inlet at its lower end and communicating with said oil outlet at its upper end, a piston slidably mounted in said cylinder adjacent said piston, perforated disks above and below said filtering medium and means for actuating said piston for compressing said filtering medium between said disks.

2,178,931
COMBINATION FLUID CONDUIT AND ELECTRICAL CONDUCTOR
Wilbur J. Crites and Donald R. Knowlton, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 3, 1937, Serial No. 134,866
4 Claims. (Cl. 173—326)



2. In a rigid tubing section for use in oil field operations having a screw threaded socket on one end and a screw threaded pin on the other, an electrical conductor mounted in the wall of a tubing section, electrical contact means attached to the ends of the conductor and insulated from the tubing section, the screw threads on the ends of the tubing being interrupted transversely of the pin and socket as well as longitudinally thereof to form a recess within the threaded area on each end, and the electrical contact means being located in the recesses.

2,178,932
LUBRICATING DEVICE
Charles Edward Daniels, Atchison, Kans.
Application October 29, 1937, Serial No. 171,761
8 Claims. (Cl. 123—196)



1. A lubricating device comprising a container

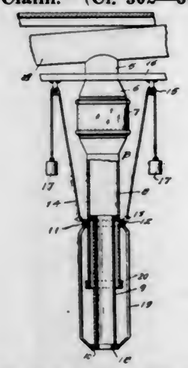
for dry lubricant, a tube extending downwardly from an upper portion of said container to a part of a machine to be lubricated which is subjected to a negative pressure during operation of the machine, means for the regulated supply of air to said container through dry lubricant contained therein, said tube being open at its upper end and having its upper, open end facing upwardly for flow of air and lubricant from said container downwardly into the same, and a member associated with the upper end of said tube to deflect air and lubricant flowing upwardly through the container outwardly before it may pass into the upper, open end of said tube and downwardly through said tube.

2,178,933
PHOTOGRAPHIC METHOD AND APPARATUS
Edward D. Davis, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application March 16, 1938, Serial No. 196,271
1 Claim. (Cl. 95—5)



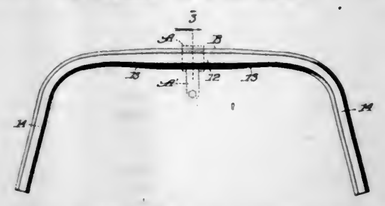
In a method of the character set forth for the photographic reproduction of a metal object, the steps of supporting a flat magnetized metal body below a light source in a dark room, placing a flat light-sensitive sheet upon said magnetized body so that the sheet lies in contact therewith, directing light from the source perpendicularly to the light-sensitive sheet, placing said metal article to be reproduced upon said sheet whereby the same is maintained in the desired position by said supporting flat magnetized body, briefly exposing said sheet to light rays from said source whereby the only shadow formed upon said sheet is one coterminous with said metal object, and developing said sheet.

2,178,934
DROP PIPE FOR GINS
Curtis Lee Hamilton, Baxley, Ga.
Application April 15, 1938, Serial No. 202,345
1 Claim. (Cl. 302—34)



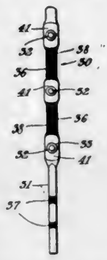
In a drop pipe for gins, comprising an upper flexibly suspended tubular section of uniform cross sectional diameter throughout its extent, a lower tubular section of considerably less cross sectional diameter than said upper section and telescopically fitted with the latter for vertical displacement, a packing ring fixed to the lower section exteriorly thereof at its end innermost within said upper section and holding the said lower section uniformly spaced from said upper section, an inside annular band within the lower section at its lowermost end for effecting a contracted inlet thereto, an outside annular band encircling the lowermost end of the lower section and in the plane of the inside band for coaction therewith in forming a double rim formation thereto, an outside ring on the lowermost end of the upper section, a hoop loosely fitting the upper section externally thereof for abutting the outside band of said upper section and limiting the displacement in one direction of the lower section with respect to said upper section, and elongated loop handles between and joined with the said hoop and the outside band at the lowermost end of the lower section, respectively.

2,178,935
TUBING
Harry H. Henry, Chicago, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application October 17, 1936, Serial No. 106,239
4 Claims. (Cl. 74—551.1)



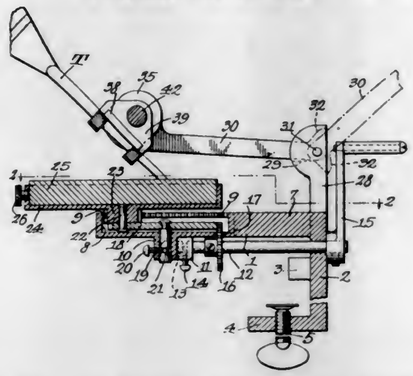
1. A bicycle handle bar comprising a polygonal tube having its end portions reduced in cross section and having at least one side of the reduced portion convex and an adjacent side concave.

2,178,936
ELECTROLYTIC DEVICE
Max Knab, Brooklyn, N. Y., and Harold I. Danziger, Williamstown, Mass., assignors to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application August 4, 1937, Serial No. 158,728
5 Claims. (Cl. 175—315)



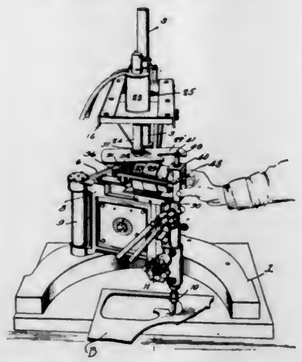
1. In an electrolytic condenser, an anode assembly comprising a foil and a supporting riser for same, said riser having a flattened portion adjacent to the electrode foil, and a plurality of projecting portions on said flattened portion, and rivets extending from said projecting portions, said projecting portions and rivets being integral with said riser and securing said foil to said riser in spaced relationship.

2,178,937
TOOL SHARPENER
Charles P. Nieder and Marce J. Orr, Miami, Fla.
Application July 19, 1938, Serial No. 220,080
2 Claims. (Cl. 51—120)



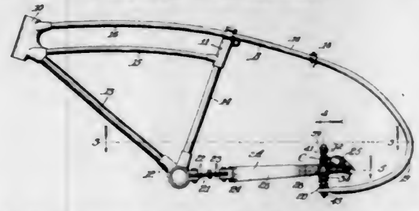
1. The combination with support gripping means and a plate carried by and overlying the same, said plate including a circular recess and an annular series of gear teeth on the wall of the recess, of a gear mounted for rotation in the recess, a second gear mounted for rotation on said first named gear adjacent to the periphery thereof and positioned for rolling engagement with the gear teeth in the recess, a cup carried by and rotatable with said second gear for detachably holding a grinding element, a shaft connected to and extending under the plate, a gear thereon in constant mesh with the first named gear within the recess, means for rotating the shaft to impart a planetary movement to the cup and the grinding element carried thereby, and means for supporting a tool in contact with and at a predetermined angle to a supported grinding element.

2,178,938
CUTTING MACHINE
August Ohmstede, Beaumont, Tex.
Application March 30, 1938, Serial No. 198,984
2 Claims. (Cl. 266—23)



1. In a cutting machine of the class described, a base, a pedestal carried by the base, pivotally connected inner and outer arms, the inner arm being mounted for swinging movement on the pedestal, a supporting frame mounted on the pedestal above the arms, a pattern holder carried by the frame, near the outer end thereof and below the frame, in spaced relation to the pedestal, a motor mounted on the outer portion of the outer arm for sliding movement longitudinally of said arm, a clutch housing carried by the motor and disposed outwardly of the motor, upper and lower shafts journaled in the clutch housing, a driving connection between the motor and the lower shaft, a follower carried by the upper shaft and traversing the edge of a pattern carried by the pattern holder, a clutch in the clutch housing and connecting the shafts, means for sliding the motor and means for actuating the clutch, each of said means including a part under the immediate control of an operator, both of said parts extending outwardly to places closely adjacent to the outer end of the outer arm, the pattern holder being located accessibly adjacent to the outer end of the outer arm, whereby both of said parts, and the pattern holder, may be reached conveniently by an operator at the outer end of the outer arm.

2,178,939
BICYCLE FRAME OR THE LIKE
Earl E. Pease, Mount Prospect, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application December 24, 1936, Serial No. 117,636
2 Claims. (Cl. 280—283)



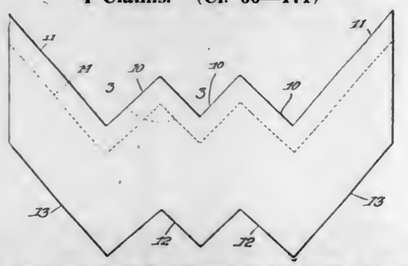
1. In a bicycle frame of the character set forth, having head, hanger and cluster members, a supporting member adapted at its rearward end to engage a rear wheel shaft, spring means connecting the forward end of said supporting member with said hanger member, said means being adapted to permit movement of the forward portion of said supporting member relative to said hanger member, a pair of rearwardly extending tubes attached to said cluster member and having their lower portions extending below and forwardly of said rear wheel shaft, and spring means connecting the forward ends of said tubes and said supporting member at a point forward of said wheel shaft and providing a spring fulcrum for said rear wheel shaft and by means of which said first-mentioned spring means is flexed.

2,178,940
DESK LEG AND THE LIKE
Ernest Rhodes, Herkimer, N. Y., assignor to Standard Furniture Company, Herkimer, N. Y., a corporation of New York
Application December 27, 1938, Serial No. 247,975
4 Claims. (Cl. 45—137)

3. As a new article of manufacture, a desk leg formed of wood with the grain of the body portion extending lengthwise thereof and having an insert of end grain wood, said insert being exposed at one corner of the leg and designed to absorb any ordinary blow or impact, the grain thereof extending transversely of that of the grain of the body proper and lying in a generally horizontal direction with reference thereto, whereby a relatively hard non-splintering impact-resisting surface is produced.



2,178,941
KNITTED HELMET
Walter E. Schuessler, Chicago, Ill.
Application April 18, 1938, Serial No. 202,766
4 Claims. (Cl. 66—171)



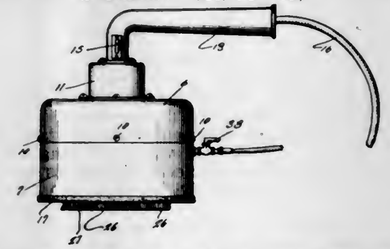
1. In a method for forming a knitted helmet, the steps of knitting a swatch in the shape illustrated with the front side thereof provided with three successive V recesses and the rear side provided with two V recesses, the outer portions of the swatch being extended beyond said V recesses, joining the opposing edges of the central V recess in the front side, joining the opposing edges of each of the V recesses at the rear side, and then joining the rear edges of said extension portions.

2,178,942
FLEXIBLE SHEET CELLULOSE CIGAR AND CIGARETTE TIP
Walter I. Scott and Lillian H. Foster, New Orleans, La.
Application April 18, 1938, Serial No. 202,796
1 Claim. (Cl. 131—52)



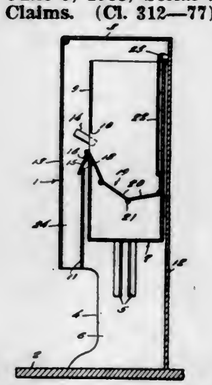
A built-on tip for a smokable article, comprising an outer flexible shell having a major outwardly flared portion and a restricted mouth-engaging minor portion fully open at opposite ends, a flexible thimble-like body of less size than the shell telescoped into the major outwardly flared portion of the same and forming a flow space therebetween, the said thimble-like body being provided with side perforations, a flexible cap snugly and fully embracing a tip end of the smokable article and telescoped within the thimble-like body for a distance thereof, the said cap being formed with a central aperture for communication with a space between the said cap and the thimble-like body, and inwardly directed shoulders on the shell and thimble-like body, respectively, for permanent interfitting of the cap in the said body and the latter in the said shell and also having contact with the smokable article outwardly with respect to said cap.

2,178,943
ROTARY BRUSH
Seichi Terauchi, Lanai City, Territory of Hawaii
Application August 23, 1938, Serial No. 226,358
2 Claims. (Cl. 15—28)



2. In a brush device of the class described, a casing, brushes rotatably arranged in the casing and one brush being larger than the other and acting to receive polish to act as a polish spreader, said brushes projecting from the casing, drive means and means for rotating the polish spreader brush at low speed from the drive means while the other brushes are being driven at high speed from the drive means.

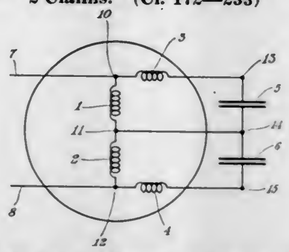
2,178,944
TOOTHPICK DISPENSER
Bert G. Velin, Gosta E. Velin, and Marcus H. Velin, Maple, Wis.
Application June 9, 1938, Serial No. 212,832
6 Claims. (Cl. 312—77)



1. A toothpick dispenser comprising a cabinet, a container, for the reception of toothpicks, mounted for vertical sliding movement in said cabinet, said container having a discharge opening therein, a delivery member mounted for

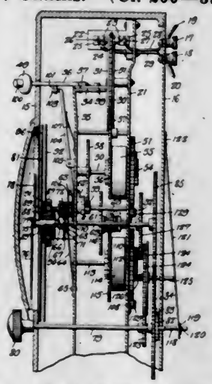
swinging movement on the container and having a pocket therein for receiving a toothpick from the container through the discharge opening, and means in the cabinet for actuating the delivery member when the container is raised and lowered.

2,178,945
CAPACITOR MOTOR AND CIRCUIT ARRANGEMENT THEREFOR
Harvie W. Whitby, Dayton, Ohio, assignor to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts
Application February 19, 1937, Serial No. 126,713
2 Claims. (Cl. 172—233)



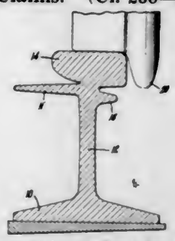
1. In a single speed capacitor motor, two windings for said motor, one winding being divided into two directly connected equal parts and the second winding being divided into two separate equal parts, and two electrolytic condensers of unequal capacity connected in series and across said windings, the two parts of said second winding being interposed between the ends of said first winding and the free ends of said first winding and the free ends of the condensers, the junction point of said condensers being in direct electrical connection with the midpoint of said first winding.

2,178,946
RADIO CLOCK
Marvin D. York, Marlow, Ky., assignor of one-half to Reual O. Thomas and wife Flossie G. Thomas, Marlow, Ky.
Application April 6, 1938, Serial No. 200,508
7 Claims. (Cl. 200—39)



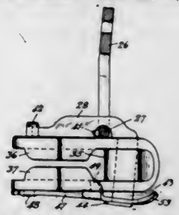
2. In a radio clock, a switch including a gear having annularly arranged alternate conductive and non-conductive electrical portions on its opposite faces, a pair of circuit terminal elements engaging said gear on opposite sides thereof for contact with said electrical conductive and non-conductive portions of the gear, means for selectively stopping operation of said gear, said means including a lever having extensions of different length and said gear having different annularly arranged correlated lever engaging portions, a clock mechanism having a regular time train, a normally locked switch gear operating train, and means cooperatively associated with said regular time train and said gear operating train whereby to selectively release the locking means for the gear operating train at a predetermined time.

2,178,947
RAILWAY RAIL
Albert J. Brinkman, Brooklyn, N. Y.
Application July 26, 1938, Serial No. 221,276
4 Claims. (Cl. 238—122)



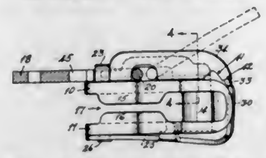
1. A rail comprising a head and a flange portion joined together by a web and a relatively thin and wide longitudinal fin extending laterally from each side of the web to a point beyond the head on at least one side of the web, said fins being positioned relatively close to the head of the rail and each separated therefrom by a deep, narrow slot or groove forming a sharp angle with the under side of the head and providing a slot which may be filled at its ends adjacent to a splice bar.

2,178,948
SLIDER FOR SEPARABLE FASTENERS
Joseph Brozek, Jackson Heights, Long Island, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application May 19, 1938, Serial No. 208,734
14 Claims. (Cl. 24—205)



14. A slider for a slide fastener of the type which includes a pair of stringers having rows of spaced interlocking elements along their longitudinal edges, comprising in combination, front and back plates spaced to receive the interlocking elements of the slider and connected together at the upper portion of the slider, a flat spring member mounted on said back plate, said flat spring being fixedly connected at one end to the lower end portion of said back plate and being provided at its other end with an offset shield portion which extends forwardly at the upper portion of said slider, a locking lug mounted on said spring member and arranged to extend through an opening in said back plate into the path of the interlocking elements contained in said slider when said spring member lies flat against the outer surfaces of said back plate, a member mounted on said front plate for movement relative thereto, a pull tab connected to said movable member and operable to actuate the same, and rigid means connecting said spring member with said movable member and enabling the latter to control the position of said spring member relative to said back plate to bring the locking lug into operative engagement with the interlocking elements in said slider and to render said locking lug inoperative.

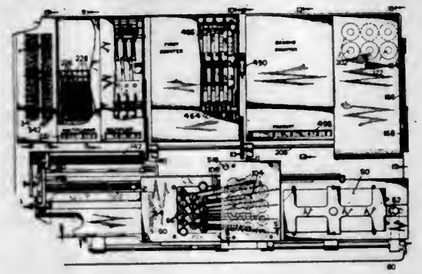
2,178,949
SEPARABLE FASTENER SLIDER
Joseph Brozek, Jackson Heights, Long Island, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application May 19, 1938, Serial No. 208,735
13 Claims. (Cl. 24—205)



13. A slider for a slide fastener of the type which includes a pair of stringers having rows of spaced interlocking elements along their longitudinal edges, comprising in combination, a pair of plates spaced to receive the interlocking elements of the slider and connected together at one end, a spring plate fixedly secured at one end to the free end of one of said slider plates and provided with a locking detent adapted to enter through an aperture in such slider plate into engagement with interlocking elements in said slider, a transverse member connected at one end to the free end of said spring plate and extending toward the other plate of the slider, an elongated lug fixedly secured to the other plate of the slider and extending longitudinally thereof, a housing enclosing said lug and connected thereto for slidable movement longitudinally thereof, said housing being provided on its under side with a cam surface which engages with the other end of said transverse member and being formed so that on movement of said slidable housing relative to the lug, said transverse member is cammed downwardly to space the spring plate from its associated plate and to withdraw said locking detent from engagement with the interlocking elements in the slider and a pull tab pivotally connected to said lug and adapted to engage with said slidable housing to actuate the same when the slider is drawn from a locked position to open the fastener structure.

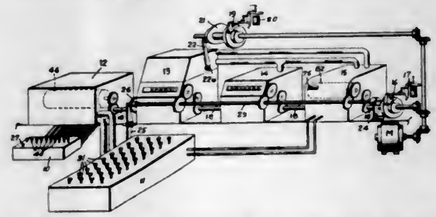
2,178,950
MULTIPLYING MACHINE
James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 5, 1928, Serial No. 244,594
45 Claims. (Cl. 235—61)

1. A multiplying machine with means for setting up the multiplicand, means for setting up the multiplier, and inter-relating devices for forming partial products and comprising in combination means in said inter-relating devices for setting up the digits of the partial products by combinational representations, each set of which are less in number than the number of



digits which may be represented thereby, and means for analyzing said combinations and entering the partial products corresponding thereto into accumulating means.

2,178,951
MULTIPLYING MACHINE
James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 28, 1931, Serial No. 559,946
20 Claims. (Cl. 235—61)



1. A calculating machine for performing multiplication including dual product accumulating means adapted to receive concurrent entries, driving means for each of said dual accumulators, an impulse emitter driven synchronously with the dual accumulator driving means to make one complete revolution for each revolution thereof and during which revolution entries may be concurrently effected into both accumulating means, said emitter having a plurality of spots thereon to represent the digits of the notation employed in the computation, factor entry means for both factors of the computation, means under the control of one of the factor entry means for coordinating the emission of differentially timed impulses from the emitter to represent all possible partial products involving the first entered factor, means under the control of the other factor entry means for selecting the differentially timed impulses representative of the partial products involving the other factor.

2,178,952
CHAIN LINK
George J. Campbell, Jr., York, Pa., assignor to International Chain & Manufacturing Company, York, Pa., a corporation of Pennsylvania
Application August 11, 1938, Serial No. 224,232
3 Claims. (Cl. 152—243)

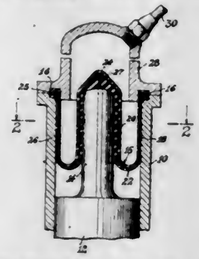
1. A chain link comprising a continuous piece of stock bent into the general form of a Z, with

two legs connected to a diagonal portion by loops,



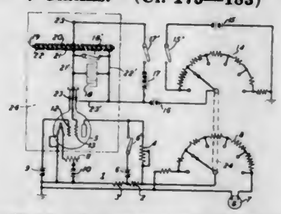
each leg having an extension hooked through the loop between the diagonal and the other leg.

2,178,953
HYDRAULIC PLUNGER SEAL
Roland Chilton, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 16, 1937, Serial No. 169,350
4 Claims. (Cl. 137—157)



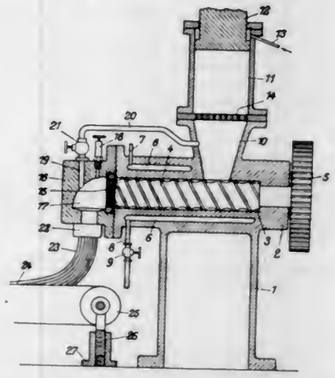
1. A non-stretchable seal for piston and cylinder members comprising a flexible U section annulus contacting respective members, a closing head integral with the inner limb of the U and a bead integral with the outer limb of the U and cords extending through said seal between diametrically opposed points on said bead, said cords lying radially in said head and in the curved part of the seal between said limbs and lying longitudinally in said limbs.

2,178,954
METHOD AND APPARATUS FOR TESTING ELECTRICAL RESISTANCE
Richard C. Dehmel, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1937, Serial No. 174,990
7 Claims. (Cl. 175—183)



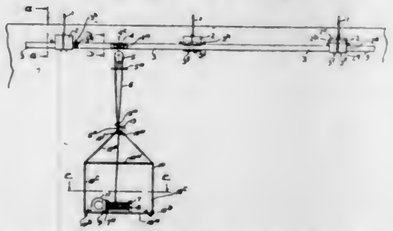
1. A method of measuring resistance values comprising first balancing a bridge circuit having in one arm thereof an electron discharge device containing a grid, throwing said bridge out of balance by impressing on said grid a known potential, restoring the balance of said bridge by removing said known grid potential, charging a condenser in the circuit of said grid by means of a current flowing through the resistance to be measured until the grid potential is again equal to said known grid potential and measuring the time required to attain said known grid potential.

2,178,955
PRODUCTION OF RUBBER FILAMENTS
Max Draemann, Cologne-Braunsfeld, Germany
Application July 2, 1934, Serial No. 733,420
In Germany July 31, 1933
10 Claims. (Cl. 18—8)



1. In an extruding apparatus for making rubber threads the combination of a press cylinder communicating with a casing forming an inlet chamber for receiving a rubber composition, a set of nozzles communicating with said cylinder, means for exerting pressure within said cylinder and for advancing more rubber composition than the nozzles can accommodate, and a by-pass having a smaller diameter than said casing and connecting a point adjacent to the nozzles with said casing for returning to the rubber composition supply the surplus of the mass not passing through the nozzles.

2,178,956
SHIFTABLE SCAFFOLD APPARATUS
John P. J. Dyer, San Diego, Calif.
Application October 29, 1938, Serial No. 237,673
5 Claims. (Cl. 304—17)



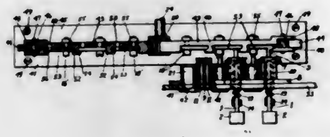
1. In a shiftable scaffold apparatus of the class described, the combination of a plurality of spaced track supports each provided with a supporting hook with its extended end arranged to fit over the upper edge of a wall, a plurality of sections of track with their ends adapted to be positioned in said support and secured therein against removal, a carriage mounted on said track and arranged to pass through said support longitudinally at the middle of its lower side, a cable block supported by said carriage, a cable mounted over said block with one end secured to a scaffold car and the other end secured to a drum mounted on said scaffold car, and motor means for revolving said drum.

2,178,957
CASE CONSTRUCTION FOR TIMEPIECES
Philip H. English, New Haven, Conn., assignor to The New Haven Clock Company, New Haven, Conn., a corporation of Connecticut
Application June 21, 1938, Serial No. 214,870
5 Claims. (Cl. 58—127)



1. A case construction for timepieces, comprising: a dial-mounting member having an aperture therein; a dial-ring located against the front face of the said dial-mounting member, the said dial-ring having its outer peripheral portion freely engaging the dial-mounting member intermediate the aperture in the said dial-mounting member and the outer periphery thereof and the said dial-ring also having an aperture therethrough registering with the aperture in the said dial-mounting member; a bezel-ring having an outwardly-extending clamping-flange overlying a portion of the front face of the said dial-ring around the aperture therein and also having a rearwardly-extending locating-flange projecting through the respective registering apertures of the said dial-mounting member and the said dial-ring; and anchoring-means acting through the said bezel-ring to rearwardly draw the clamping-flange thereof and clamp the said dial-ring between the latter flange and the said dial-mounting member.

2,178,958
PUSH-BUTTON CONTROL
Albert W. Franklin, New York, N. Y.
Application November 16, 1937, Serial No. 174,810
10 Claims. (Cl. 74—10)

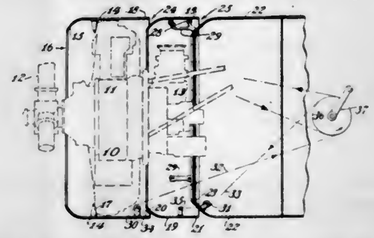


1. In combination for the tuning of a radio apparatus or the like to a predetermined station: a cam follower containing a recess to coincide with the edges of a wedge shaped cam, means operatively linking the cam follower to the tuning element of the radio apparatus, and a yieldably mounted wedge shaped cam displaceable in a straight linear direction; the tuning of the apparatus being accomplished by depressing the cam against the cam follower to displace the same until the edges of the wedge and the above mentioned recess coincide.

2,178,959
LEAVENED BAKED PRODUCT
Jacob Freilich, New York, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application January 21, 1936, Serial No. 60,070
10 Claims. (Cl. 99—90)

3. A process for the manufacture of leavened baked goods, which comprises effecting the leavening by the conjoint action of a hydrogen peroxide solution containing about 30% H_2O_2 and yeast at a pH value of 6.5 to 8.5, said leavening being effected principally by the hydrogen peroxide.

2,178,960
COWLING
Rudolph F. Gagg, Fair Lawn, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application September 9, 1937, Serial No. 163,017
7 Claims. (Cl. 123—171)



1. In aircraft, a power plant comprising an engine embraced within a cowling system, said system having one air opening communicating with one side of the engine and having second and third air openings both communicating with the other side of the engine, said openings being so located in the system that the pressure difference, during and due to aircraft flight, is relatively great as between the first and second openings and is relatively small as between the first and third openings, and means for selectively changing the effective area of the second and third openings, said openings providing for cooling air entrance to and egress from the cowling interior.

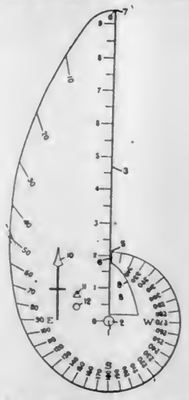
2,178,961
LUMINOUS AND RADIOACTIVE COMPOUND
Raymond W. Gear, Plymouth, Ind.
No Drawing. Application April 1, 1938, Serial No. 199,442
3 Claims. (Cl. 134—47)

1. In a method of making a luminous compound the steps of adding concentrated ammonia to a mixture of sulphur and saltpeter for precipitation of a nitrosulphate, adding to this nitrosulphate by precipitation activated sulphides obtained by precipitation with alcohol from a mixture of thorium nitrate, sodium nitrate and sulphur and while thoroughly mixing the resulting compound mixture adding luminous calcium sulphide.

2,178,962
PLOTTING PROTRACTOR
Albert O. Gottschalk, Bridgewater, Mass.
Application February 11, 1939, Serial No. 255,793
3 Claims. (Cl. 33—1)

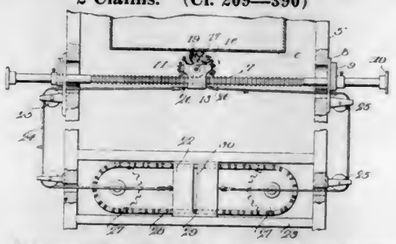
1. A plotting protractor of sheet material having a pivotal center, a straight plotting edge extending from the center and presenting a graduated linear scale beginning at the center, a curved periphery extending from a point relatively near the center to a point at the end of the straight edge and relatively far from the center and presenting throughout on one face of the protractor a graduated angular scale, and a wide opening through the protractor bounded on one side by a portion of the straight edge, extending from ad-

jacent the center to adjacent the periphery, and terminating in a narrow opening sufficient for



the passage of a pencil point through the periphery along the straight edge.

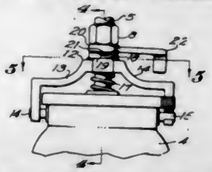
2,178,963
TRAVELING BRUSH ATTACHMENT FOR GRAIN CLEANERS
Stanley J. Habstritt, Bell, Calif.
Application July 28, 1937, Serial No. 156,235
2 Claims. (Cl. 209—390)



1. A screen cleaning device comprising a round rack shaft extending across and beneath the screen having annular teeth, a carrier housing having a longitudinal passage through which said rack shaft extends, said housing being capable of reciprocating and oscillating movement on said shaft, a brush shaft extending through said housing at right angles to said rack shaft, a gear wheel fixed on said brush shaft intermediate its ends and in mesh with said rack shaft, brushes carried by said brush shaft on opposite sides of said carrier, and means for reciprocating said carrier along said rack shaft.

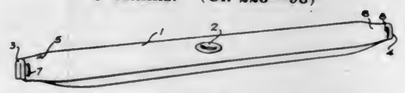
2,178,964
CLOSURE
Arthur F. Hulse, Los Angeles, Calif., assignor of one-half to Sharpe Manufacturing Company, Los Angeles, Calif., a corporation of California
Refiled for abandoned application Serial No. 105,223, October 12, 1936. This application March 3, 1939, Serial No. 259,609
4 Claims. (Cl. 220—57)

4. In combination, a fluid receptacle having an opening, a removable cover for said opening, a fluid conduit extending from the interior of said receptacle through said cover and projecting exteriorly thereof, said conduit being attached to said cover and removable therewith from said receptacle, a member slidably mounted on said conduit, said member bridging said cover and detachably connected to said receptacle at a plurality of spaced points, a spring encircling said conduit, said spring being interposed between and pressing oppositely against said cover and said member, said spring, conjointly with said



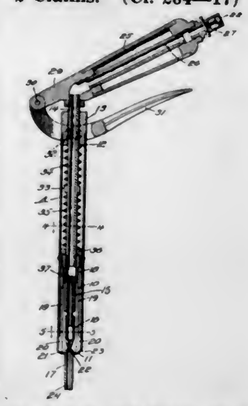
member, being normally operative to hold said cover tightly in place with respect to said opening, and a manually operable cam encircling said conduit, said cam being operative to compress said spring and thereby to release the connection between said member and said receptacle and thus permit removal of said cover.

2,178,965
COVER FOR GARMENT HANGERS
John W. Johnson, St. Maries, Idaho
Applictaion January 3, 1938, Serial No. 183,111
6 Claims. (Cl. 223—98)



1. A cover for garment hangers comprising an elastic strip having a rough surface and having a central opening therethrough, the ends of said strip being folded, and the adjoining faces of the folded portions secured together to form pockets adapted to receive the corners of said hanger.

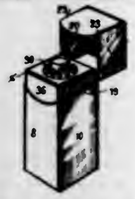
2,178,966
GREASE GUN ADAPTER
Carl Lagergren, Osterville, Mass.
Application March 16, 1938, Serial No. 196,282
2 Claims. (Cl. 284—17)



1. A device of the character described comprising a hand grip provided with a passage opening through one end and through one side spaced from the opposite end, a lubricant feed tube connected with the side opening in the grip, a cylindrical casing slidable relative to the tube and

having a contracted open end, a plug embracing the tube and fixed to the casing at the end next to the grip, a collar fixed within the casing, a shoulder on the tube, retractile springs about the tube at opposite sides of the shoulder and engaging the plug and collar, respectively, a displaceable nozzle fitted with the tube and effecting an automatic lubricant discharge cut-off, a coupling sleeve coacting with the contracted open end of the casing and abutting the collar, and a lever straddling the casing and pivoted to the grip and plug, respectively, the lever and the grip being in close relation to each other.

2,178,967
RECEPTACLE
John P. Markert, Stamford, Conn.
Application July 13, 1937, Serial No. 153,353
8 Claims. (Cl. 229—6)

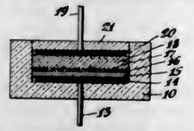


4. A receptacle for vacuum tubes comprising in combination an inner wrapper and an outer container, the inner wrapper being provided with an end panel having an opening through which a terminal of the tube projects, means for securing the wrapper within the container, the end of the container adjacent the opening in said end panel having a multi-ply wall, the inner plies of which are each provided with a central opening, the outer of the plies of said end wall being weakened whereby the same may be ruptured to expose the terminal of the tube through said end wall for testing.

2,178,968
METHOD OF PRODUCING CARBON DIOXIDE
Ralph H. McKee, New York, and James W. Martin, Yonkers, N. Y., assignors to Macmar Corporation, New York, N. Y., a corporation of Delaware
Application November 23, 1937, Serial No. 176,046
9 Claims. (Cl. 23—150)

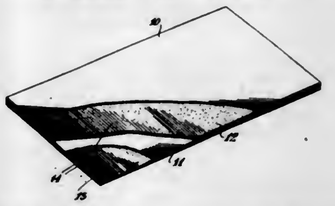
1. In the method of releasing carbon dioxide gas from a bicarbonate solution, the step of heating the solution while having suspended therein sharp-edged inert particles.

2,178,969
POTENTIAL PRODUCING CELL
Samuel Ruben, New Rochelle, N. Y.
Application May 24, 1937, Serial No. 144,334
10 Claims. (Cl. 136—100)



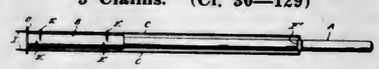
1. A potential producing cell comprising a negative electrode, a positive electrode, an electrolyte contacting said electrodes and a molded resin shell enclosing and hermetically sealing said electrodes and electrolyte.

2,178,970
ELECTROLYTIC CONDENSER
Samuel Ruben, New Rochelle, N. Y.
Application January 8, 1938, Serial No. 183,971
6 Claims. (Cl. 175—315)



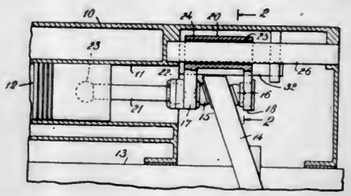
1. A spacer for dry electrolytic capacitors comprising a layer of fibrous material sized with a plasticized, conductive, flexible, non-viscous methyl cellulose composition, said methyl cellulose composition comprising a membrane in said fibrous layer.

2,178,971
BARBECUE FORK
Eugene E. Sax, Los Angeles, Calif.
Application March 27, 1937, Serial No. 133,473
3 Claims. (Cl. 30—129)



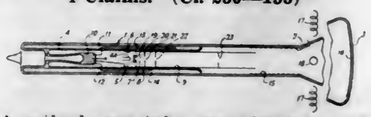
1. A handle fork and ejector device consisting of a handle with a metal tube sleeved on one end thereof, metal eyelets projecting from opposite sides of said tube, a laterally extending metal plate connected to said tube across the outer end thereof, said plate having two holes respectively in line with said eyelets, a U-shaped fork slidably engaging said eyelets and holes, said fork having parallel tines, and said tines being disposed longitudinally along the handle with the open or free ends of the U-shaped fork pointing toward the said metal plate substantially as described.

2,178,972
CRANKLESS MECHANISM
Thomas L. Sherman, Buffalo, N. Y., assignor to Michell-Crankless Engines Corporation, New York, N. Y., a corporation of New York
Application April 20, 1938, Serial No. 203,135
6 Claims. (Cl. 74—56)



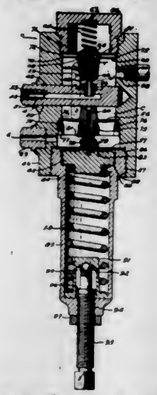
1. In a crankless mechanism, a cylinder, a piston reciprocatable therein, a shaft, a slant mounted on the shaft, a bridge flexibly connected to the piston and having portions on opposite sides of said slant, slipper pads mounted in said portions engaging the slant, a guide rod for said bridge disposed parallel with the center line of said slippers, and a second guide rod spaced from the first rod, said bridge being mounted to slide on said rods, one of said rods being adjustable toward and away from the other rod.

2,178,973
CATHODE RAY TUBE
Isaac Shoenberg, London, George Edward Condliffe, Buckinghamshire, and William Francis Tedham, Abbey Wood, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Original application September 28, 1934, Serial No. 745,838. Divided and this application September 24, 1937, Serial No. 165,496. In Great Britain October 3, 1933
4 Claims. (Cl. 250—155)



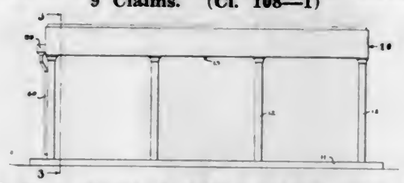
1. A cathode ray tube comprising an envelope having an end wall, a fluorescent screen supported on the end wall within the envelope, and in the order named, an electron emitting cathode positioned in register with the luminescent screen, a shield electrode coaxial with and surrounding the cathode, a first accelerating cylindrical electrode positioned in register with the shield electrode, a decelerating cylindrical electrode positioned in register with the first accelerating electrode, a second accelerating cylindrical electrode positioned in register with the decelerating electrode, said first and second accelerating electrodes and decelerating electrodes having substantially the same diameter, and an anode positioned intermediate the fluorescent screen and the second accelerating electrode.

2,178,974
PRESSURE REGULATING AND REDUCING APPARATUS
George H. Smith, Kenmore, N. Y., and Wilgot J. Jacobsson, Scotch Plains, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Original application January 31, 1933, Serial No. 654,380, now Patent No. 2,082,223, dated June 1, 1937. Divided and this application January 15, 1937, Serial No. 120,712
13 Claims. (Cl. 50—23)



1. Pressure regulating and reducing apparatus comprising, in combination, a tubular casing; a flexible diaphragm dividing said casing into a primary delivery chamber and a secondary delivery chamber; a second flexible diaphragm forming one wall of said secondary delivery chamber; a tubular member extending transversely of said casing; a nozzle member mounted in said tubular member and forming a valve seat; valve means adapted to cooperate with said nozzle member for controlling the flow of fluid through said tubular member; resilient means operatively associated with each of said diaphragms for opposing movement in one direction of said valve means; and a second resilient means for opposing both the action of said first-named resilient means and the action of fluid pressure within said chambers.

2,178,975
CANOPY CONSTRUCTION
Christian H. Specht, Los Angeles, Calif.
Application July 24, 1939, Serial No. 286,209
9 Claims. (Cl. 108—1)



1. In a canopy, a body including upper and lower frames connected by vertical members, an open topped outer sheathing on said body, an inner sheathing on said body, one of said sheathings including a trough portion on one side, and closure means extending across the frame and communicating with said trough to direct water into the drain.

2,178,976
SHAVING DEVICE
Edmund J. Te Pas, Euclid, Ohio; Coletta A. Te Pas, administratrix of Edmund J. Te Pas, deceased
Application September 19, 1936, Serial No. 101,615
7 Claims. (Cl. 30—43)

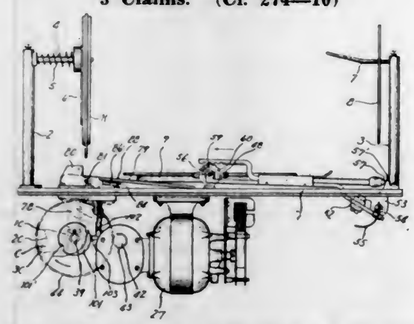


1. In a shaving device of the type described, a guard member of stepped construction having a plurality of rows of slots located one above the other in different planes with the slots of each row arranged one alongside of the other, and a plurality of cutters with cutter teeth traversing said slots, the individual slots of each row being staggered with respect to the slots of the next adjacent row.

2,178,977
SURFACE TREATMENT OF MAGNESIUM AND MAGNESIUM BASE ALLOYS
Martin Tosterud, Arnold, Pa., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application January 5, 1938, Serial No. 183,459
9 Claims. (Cl. 148—6)

1. A method of producing a protective coating on a magnesium surface, comprising treating the said surface with an aqueous solution containing an alkali metal dichromate and a salt selected from the group consisting of zinc sulfate and cadmium sulfate, said solution being maintained at an acidity not greater than that initially produced by the dichromate.

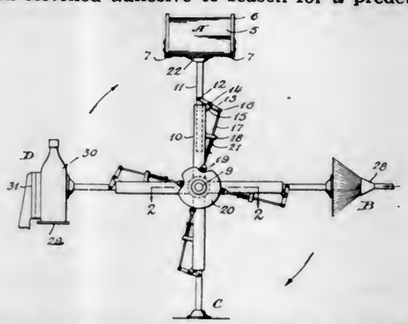
2,178,978
AUTOMATICALLY AND CONTINUOUSLY WORKING PHONOGRAPH
Taiji Uemura, Kinuta-Mura, Kita-Tama-gun, Tokyo-fu, Japan
Application February 24, 1936, Serial No. 65,296
In Japan March 25, 1935
3 Claims. (Cl. 274—10)



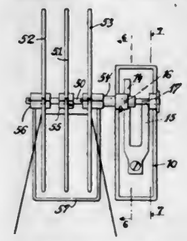
1. In a device, to automatically change records on a phonograph turn table, the combination of a supporting plate, an upright post on said supporting plate, a cross piece projecting horizontally from said post to carry a plurality of disc records, a hook on the free end of said cross piece to hold the records on said cross piece, a disc slidably mounted on said cross piece, a spring wound on the latter to press said disc resiliently towards said hook, and means to release one record from said hook and place it on the turn table, said means comprising a double armed lever having a slot in its mid portion, a spring pressed block slidably arranged in said slot, a trunnion supported on said table and projecting through said block and a cam below said supporting plate to control said lever, one arm of the latter projecting downwardly through an opening in the supporting plate and being crescent shaped to cooperate with said cam, the other arm having a base part and curved legs partly surrounding the turn table, said base part being provided with openings, two U-shaped levers pivoted to the lower side of said base part with their end portions opposite said openings and a spring to normally project the inner end portions of said levers through two of said openings.

2,178,979
METHOD OF LABELING
George W. von Hofe, Bound Brook, and Charles A. Claus, Short Hills, N. J., assignors to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application January 4, 1938, Serial No. 183,314
1 Claim. (Cl. 216—62)

A method of labeling which consists in removing labels each having a coating of dry adhesive on one surface in individual succession from a supply stack with the dry adhesive coated surface of each successive label exposed, spraying the adhesive coated surface of individual labels with a liquid to soften said adhesive, permitting said softened adhesive to season for a predetermined time period, and subsequently to the seasoning period applying the label to an article.



2,178,980
CIRCUIT CLOSER FOR KNITTING MACHINES
Michael Wachsman, Brooklyn, N. Y.
Application May 5, 1937, Serial No. 140,839
3 Claims. (Cl. 66—163)

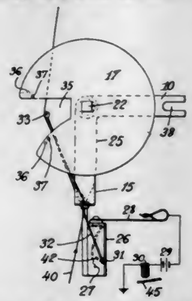


1. A circuit closer unit for knitting machines under the control of a travelling thread comprising a housing, electric circuit terminal fingers within the housing, a plurality of contact heels within the housing, three thread supporting porcelain disks outside the housing, means operatively connecting the middle disk with one of the contact heels, means operatively connecting the other two disks with another contact heel whereby when said disks are moved by an abnormal operation of the thread, the said contact heels are operated to contact the said terminal fingers to close the electric circuit.

2,178,981
COMBINED STOP MOTION AND TENSIONING DEVICE
Michael Wachsman, Brooklyn, N. Y.
Application November 9, 1937, Serial No. 173,565
4 Claims. (Cl. 242—36)

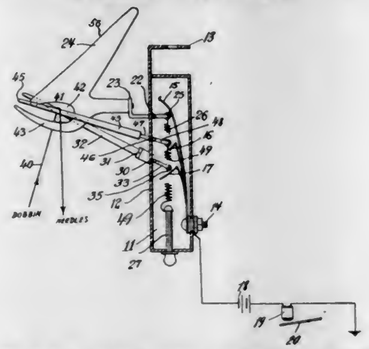
3. In a device of the character described a support, a contact box thereon, a normally open electric circuit terminal on the box, a detector lever pivoted on the box and having a contact heel adapted to engage the said terminal to close the circuit, a pair of tension disks mounted upon the support, means for applying tension to said disks, means for guiding a traveling thread passing between the disks, said detector lever having an arm engaged by the thread between the disks in a cut out space in the disks to keep said contact heel in open circuit position, said detector lever being actuated when the thread breaks to move its contact heel into engagement with the said

circuit terminal to close the circuit, the said tension disks having opposed thread restraining pins



disposed above and below the said cut out space in the disks.

2,178,982
STOP MECHANISM FOR KNITTING MACHINES
Michael Wachsman, Brooklyn, N. Y.
Application July 20, 1938, Serial No. 220,244
3 Claims. (Cl. 66—163)

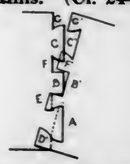


3. In a stop mechanism for knitting machines under the control of a travelling thread, a circuit closer unit comprising a contact box, a knot detector unit pivoted on said box at a given point, an end detector unit pivoted on said box at a point a distance below the said first pivot, an end detector finger pivoted on the box at a point intermediate the said two pivots, said finger extending forwardly of the box closely adjacent said knot detector unit on the needles side thereof, the said units and finger including means for supporting a travelling thread placed upon the same, an electric circuit terminal on the box and contact heels on said unit and finger extending within the box for engaging the said terminal to close an electric circuit when the said thread breaks or a knot occurs on said thread.

2,178,983
PRODUCTION OF MAGNESIUM HYDROXIDE
Fritz Wienert, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,685. Renewed April 1, 1939. In Germany December 23, 1933
16 Claims. (Cl. 23—201)

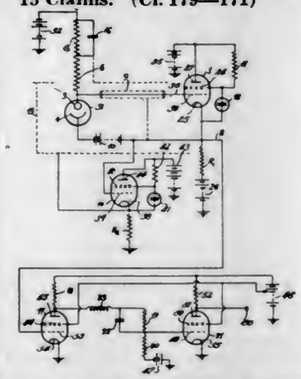
10. A process for the production of magnesium hydroxide which comprises slaking a calcined raw material containing at least a substantial proportion of lime with an aqueous solution containing at least one substance selected from the group of water-soluble inorganic salts consisting of nitrates of the alkali and alkaline earth metals, alkali metal chlorates and calcium chloride, and further a minor proportion of at least one substance of the group consisting of boric acid and the alkali borates, and thereafter reacting such suspension with magnesium chloride liquor.

2,178,984
INTERLOCK
Jessie Mae Zimmerman, Goldenbridge, N. Y.
Application March 7, 1939, Serial No. 260,304
3 Claims. (Cl. 24—204)



1. In combination, a pair of members of relatively stiff, pliable material having edges to be interlocked, said edges having spaced tongues and unobstructed recesses, said tongues being widest at their outer ends and tapered in width to the bases thereof and providing therebetween recesses which are widest at their inner ends and tapered in width to the outer ends thereof, the width of the tongues at their inner ends being equal to the width of corresponding recesses at their inner ends whereby when they are brought into interlocking relationship the projecting tongues engage the recesses at their inner ends and lie on the same side of the interlocked members.

2,178,985
THERMIONIC VALVE CIRCUIT
Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application August 30, 1935, Serial No. 38,631
In Great Britain September 4, 1934
15 Claims. (Cl. 179—171)



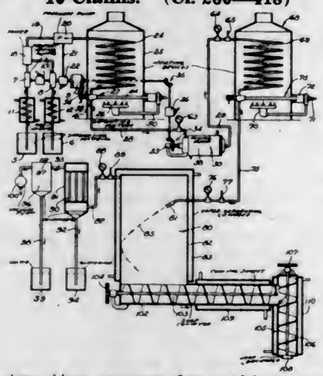
2. A thermionic valve circuit comprising a thermionic valve having a cathode, an anode and a control electrode, an input circuit comprising a source of electrical variations contained within a predetermined range of frequencies, means connecting said input circuit between said control electrode and earth, and an input admittance reducing nonreactive loading element connected between said cathode and earth, a load circuit, and means to feed the load circuit only with potential variations occurring across the input admittance reducing element.

2,178,986
WARNING DEVICE FOR MOTOR VEHICLES
Stuart H. Caldwell, Detroit, Mich., assignor to Kelch Heater Company, Detroit, Mich., a corporation of Michigan
Application October 5, 1936, Serial No. 104,109
6 Claims. (Cl. 177—324)



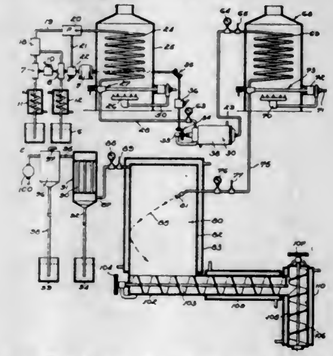
3. In a motor vehicle, a driver's compartment, a control member in said compartment normally engaged by the operator, means positioned adjacent said member and effective to direct a current of warmed air toward said control member as a signal, said means comprising a blower, a discharge conduit, an electric motor for said blower, a circuit for said motor, and electric heating means in said motor circuit and located in said discharge conduit.

2,178,987
PROCESS OF MAKING SOAP
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application May 28, 1937, Serial No. 145,246
10 Claims. (Cl. 260—418)



9. A two-step process for making soap which comprises the steps of: continuously mixing in stream flow saponifiable and saponifying materials and effecting substantially complete saponification while maintaining a temperature below the melting point of the resultant soap when anhydrous, thereafter transferring the resultant mixture to a separate and independent high temperature treating zone and there imparting a temperature substantially above the melting point of the soap when anhydrous, quickly removing a stream of the mixture from the high temperature zone and introducing the same into a vapor separating chamber, continuously removing the vaporized materials and removing the molten anhydrous soap from said vapor separating chamber.

2,178,988
APPARATUS FOR MAKING SOAP AND THE LIKE
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Original application May 28, 1937, Serial No. 145,246. Divided and this application February 23, 1938, Serial No. 191,878
9 Claims. (Cl. 87—16)

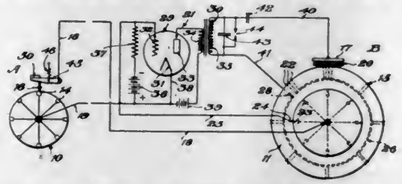


1. In combination: a heater providing an elongated reaction zone with intake and discharge ends; means for continuously delivering to the intake end of said elongated reaction zone a stream containing reactable materials; means for applying heat to the stream moving through said reaction zone to react said materials; a container providing a vapor-separating chamber; a mixing means; means for continuously conducting the reaction products from the discharge end of said elongated reaction zone to said mixing means to form mixed products; means for conducting these mixed products from said mixing means to said vapor-separating chamber; means for continuously withdrawing vapors from said chamber which separate from the non-vaporized material included in the mixed reaction products entering said vapor-separating chamber; means for separately withdrawing said non-vaporized material from said chamber; and means for applying heat to the reaction products at a position between said mixing means and said means for withdrawing said non-vaporized material for facilitating liberation of vapors from the non-vaporized material.

2,178,989
SYSTEM OF TELEGRAPHY
Ivan Willard Conrad, Washington, D. C.
Application July 19, 1937, Serial No. 154,511
30 Claims. (Cl. 178—15)

1. In a telegraph system, a receiving station

mechanism comprising spark discharge character recording means including recordable characters in the form of letters, numerals and symbols and means with which said characters co-



operate to effect complete, instantaneous recording of the same by substantially instantaneous spark discharge, and means controlling said spark discharge and selection of the characters to be recorded.

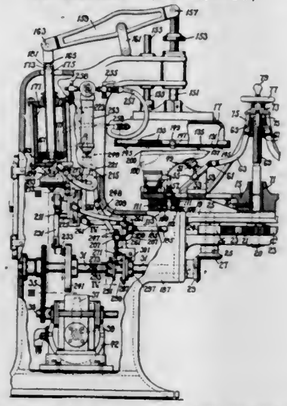
2,178,990

SOLE-PRESSING MACHINE

Leo F. Exley, Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application May 28, 1936, Serial No. 82,290

36 Claims. (Cl. 12—37)



1. A machine for pressing soles on shoes having, in combination, a turret, a plurality of jacks carried thereby and adapted to support lasted shoes, a pressure box one wall of which comprises a flexible diaphragm, means for moving the turret intermittently to bring jacks to rest successively in operative relation to the pressure box, and means for producing relative movement of approach between the pressure box and a jack thus brought to rest and for distending the diaphragm.

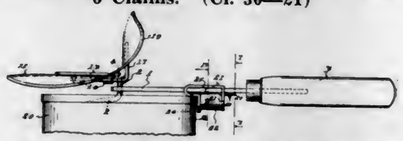
2,178,991

CAN OPENER

George Henning Gustafson, Los Angeles, Calif.

Application August 8, 1938, Serial No. 223,671

6 Claims. (Cl. 30—21)



6. In a can opener, a shank, a spur at one end thereof, a carriage freely slidable upon said shank, a knife carried by said carriage and extending through one side thereof and terminating outside said carriage in downturned prongs, a housing in said carriage, a coil spring in said housing, and a dog carried by said carriage with one end abutting said coil spring and the opposite end extending through said carriage and terminating in an ear engaging the pronged end of said knife.

2,178,992

COPPER ALLOY

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application August 15, 1939, Serial No. 290,223

2 Claims. (Cl. 75—160)

1. An alloy composed of .1 to .8% silicon, .5 to 3% cobalt, .05 to 2.5 silver, and the balance copper.

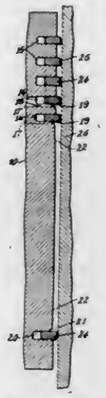
2,178,993

PISTON RING ARRANGEMENT

Henry C. Hill, Montclair, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application February 2, 1939, Serial No. 254,143

10 Claims. (Cl. 309—7)



3. In combination, a piston having a central skirt portion and having ring grooves above and below the skirt, and piston rings having tapered outer surfaces engaged in said grooves, said rings all having their sharper, or scraping edges, facing toward the piston skirt.

2,178,994

CENTRIFUGAL PUMP UNIT

John Inglis, Rutherglen, Scotland, assignor to Clyde Paper Company, Limited, Rutherglen, Scotland, and Drysdale & Company, Limited, Glasgow, Scotland, both corporations of Great Britain and Northern Ireland

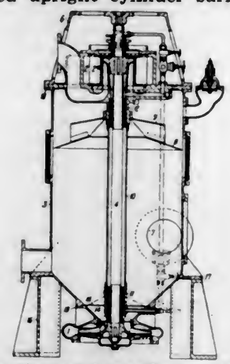
Application August 19, 1938, Serial No. 225,658

In Great Britain August 27, 1937

2 Claims. (Cl. 103—113)

1. A pump unit comprising, in combination, a centrifugal pump for pumping liquid and a liquid-ring pump for extracting gas entrained with liquid about to enter said centrifugal pump, said pumps arranged in vertically spaced relation, each of said pumps having a rotor, an upright shaft interconnecting said rotors, and a

vortex chamber interposed between said pumps, said chamber having a tangential inlet near its lower end and being in the form of an internally unobstructed upright cylinder surrounding said



shaft and having an inwardly converging bottom leading to the inlet to said centrifugal pump, said chamber communicating at its upper end with the inlet to said liquid-ring pump.

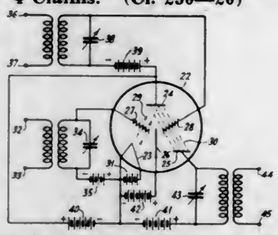
2,178,995

SUPERHETERODYNE DETECTOR

Kenneth W. Jarvis, Norwalk, and Russell M. Blair, Westport, Conn., assignors to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application December 24, 1936, Serial No. 117,658

4 Claims. (Cl. 250—20)



1. A superheterodyne detector comprising means for supplying carrier wave energy, means for supplying signalling energy, means for producing a stream of primary electrons, means for controlling the magnitude of the produced stream of electrons in accordance with the carrier wave energy, means for producing a stream of secondary electrons in accordance with the number of the controlled primary electrons which exceed a predetermined velocity, an electrode for collecting secondary electrons, and grid control means energized by the signalling energy and interposed only in the produced stream of secondary electrons for controlling the number of electrons which reach the collector electrode.

2,178,996

SUSPENSION OF LIGHT-POLARIZING PARTICLES AND PROCESS OF MAKING SAME

Edwin H. Land, Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware

No Drawing. Application March 16, 1936, Serial No. 69,134. Renewed March 9, 1939

11 Claims. (Cl. 252—6)

10. As a new article of manufacture, a dispersion of minute crystals comprising a sulphate of one of the related group of alkaloids consisting of quinine, quinidine, cinchonine and cinchonidine combined with ammonium iodide and iodine.

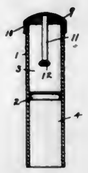
2,178,997

COMBINED LIPSTICK AND PERFUME CONTAINER

William O. Mitchell, Baltimore, Md.

Application May 23, 1938, Serial No. 209,401

1 Claim. (Cl. 132—79)



A container comprising a metal cylinder screw-threaded on one end on its outer surface and having a central partition therein forming two chambers in said container, a cap having an annular screw-threaded flange and adapted to be screwed on the threaded end of said container to close one of said chambers, a gasket within said cap and adapted to rest on the screw-threaded end of said container to close one of said chambers, a hollow applicator secured to the inner surface of said cap and projecting into one of said chambers, and a wick fitted into, and projecting beyond, the inner end of said applicator.

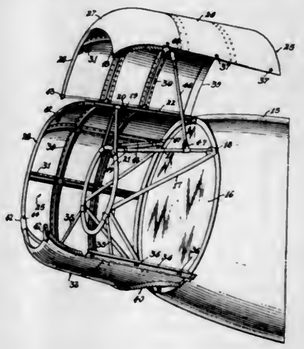
2,178,998

ENGINE COWLING

Carl William Scott, Ferguson, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware

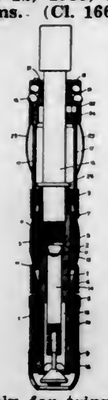
Application April 12, 1938, Serial No. 201,483

9 Claims. (Cl. 244—53)



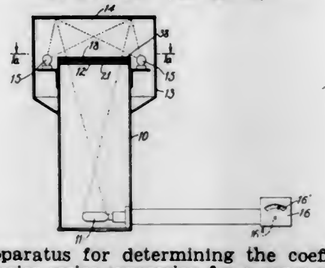
1. In an annular cowling system for aircraft power plants, the aircraft including a wall and an engine mounting structure extending forwardly thereof to the forward end of which an engine is adapted to be secured, braces on the wall and structure, longitudinal rails carried by said braces, circumferentially spaced relative to one another, and a plurality of individually structurally integral cowl segments disposed around said braces and detachably carried thereby, whereby the cowl segments are free of contact with and support by such a mounted engine.

2,178,999
MEANS FOR TRIPPING AND SETTING TOOLS
Robert Neil Scott, Digboi, Assam, British India, assignor of one-half to Robert Harcus, Yenangyaung, Upper Burma, British India
Application March 12, 1938, Serial No. 195,508
4 Claims. (Cl. 166—12)



1. A trip assembly for tripping and setting a tool, such as a cement retainer, in a well bore casing or analogous locality, comprising a member adapted to be detachably secured to the tool, a tripping body comprising a sleeve movable in an axial direction on the said member, and a ball cage on the said trip sleeve the balls of which are movable on an inclined surface on the said sleeve which is such that in one position in the said cage the said balls project partly outside the cage and in another position are completely housed within the same.

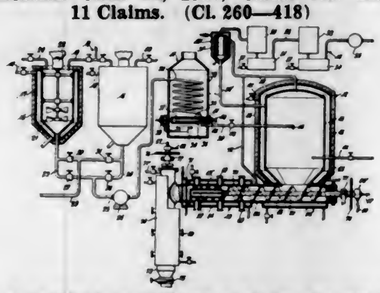
2,179,000
AREA MEASURING DEVICE
Peter L. Tea, Yonkers, N. Y.
Application January 7, 1938, Serial No. 183,787
20 Claims. (Cl. 33—1)



3. Apparatus for determining the coefficients of a Fourier series expression for a curve $y=f(x)$ including indicating means, light responsive means for operating said indicating means, a light source, means having a translucent region and an opaque region adapted to be interposed between said light source and said responsive means for intercepting light passing from said source to said responsive means, one of said regions having an area representing that under said curve, whereby the reading on said indicating means is proportional to the area under said curve, and additional intercepting means adapted to be used together with said first named intercepting means and serving as a trigonometric multiplier of the area under said curve, said additional intercepting means including a uniformly translucent area traversed by parallelly arranged spaced opaque rectangles leaving parallelly arranged translucencies whose widths are equal respectively to a uniform fractional division of the abscissa span of said translucent area multiplied by the particular value of the required trigonometric function at the midpoint of each translucence, whereby when said two intercepting means are used together the reading on said indicating means is proportional to the prduct of said area under said curve and said trigonometric function.

9. A method of harmonic analysis to determine the coefficients of a Fourier series expression for a curve $y=f(x)$ including measuring an area representing that under said curve by intercepted light, mechanically multiplying said measured area by a trigonometric function of the order of harmonic coefficient desired, measuring said multiplied area by intercepted light, and dividing the value of the latter mathematically by a constant $k\pi$ whereby the desired harmonic coefficient is determined.

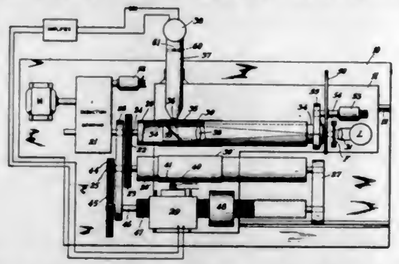
2,179,001
PROCESS FOR THE CONTINUOUS RECOVERY OF GLYCERIN FROM SOAP
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application June 14, 1937, Serial No. 148,240
11 Claims. (Cl. 260—418)



1. A method of making soap by the reaction between a saponifiable material and a saponifying material, which method includes the steps of: saponifying a mixture of said materials under heat while maintaining the temperature below that value at which discoloration due to traces of unreacted saponifiable material will result, thus producing a soap mixture containing soap, glycerin and traces of unreacted saponifiable material; then processing said soap mixture to saponify said traces of unreacted saponifiable material to produce a completely saponified soap product still containing glycerin; then heating said soap product to a higher temperature and subjecting same to a vacuum, the heating being sufficient to cause vaporation of glycerin under said vacuum conditions; separating glycerin vapor from the soap while maintaining the soap in molten, plastic or semi-plastic condition while subjected to said vacuum conditions and promptly, substantially as soon as the soap has been deposited in said vacuum, removing the same without impairing the vacuum.

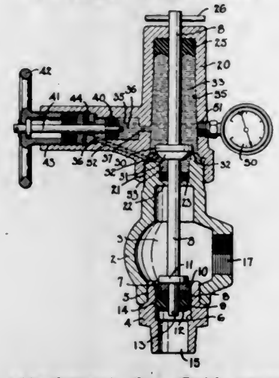
2,179,002
METHOD AND MEANS FOR REPRODUCING PICTURES
George Washington, Jr., Morristown, N. J.
Application March 4, 1936, Serial No. 67,123
7 Claims. (Cl. 178—13)

1. The method of making reproductions on printing plates directly from the subject to be reproduced, the material of said plates being adapted to be decomposed by heat, said method consisting in scanning the subject with light, transforming into a plurality of electrical pulsations the variations in light transmitted by the subject, operating an engraving tool in synchro-



nism with said light, heating said tool to a degree such that rapid thermal decomposition of the material of the printing plate is effected when said tool comes in contact with said plate, and causing the tool to penetrate said material to a degree corresponding to the respective electrical pulsations.

2,179,003
LIQUID PRESSURE ADJUSTABLE RELIEF VALVE
Herbert Allen, Houston, Tex., assignor to Abercrombie Pump Company, a corporation of Texas
Application July 2, 1937, Serial No. 151,657
8 Claims. (Cl. 137—53)

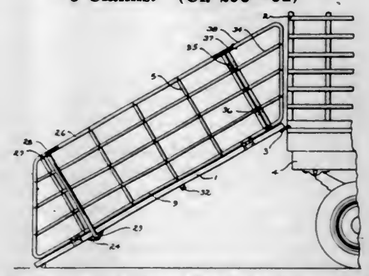


6. An attachment for fluid pressure relief valves comprising a stem for said valves, a housing about said stem, means to apply liquid pressure to said housing to a predetermined extent, a seal member on said stem to be held in seated position against a seat in said housing by such predetermined pressure, said housing being yieldable upon variation in the liquid pressure to unseat said member and release the liquid pressure.

2,179,004
CLEANING COMPOSITION
Frederic L. Bishop, Jr., Jeannette, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 28, 1936, Serial No. 102,980
6 Claims. (Cl. 87—5)

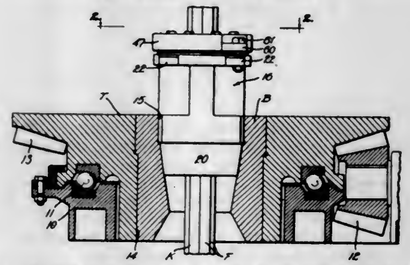
1. As a cleaning fluid for cleaning glass sheets to be used in the manufacture of laminated glass, the product resulting from mixing a chloride of a metal of the group consisting of iron, manganese, zinc, calcium and sodium, and dichloroethyl ether, the ether comprising the major proportion by weight of the ingredients.

2,179,005
LIVE-STOCK LOADER
Otto Brachear, Cornland, Ill.
Application June 15, 1938, Serial No. 213,895
5 Claims. (Cl. 296—61)



1. An improved live-stock loader comprising a platform provided with spaced transverse cleats and terminal hinges, a detachably hinged side guard on each side of said platform, a U bar pivotally supported in brackets across the under-side of said platform and hook members on each of said side guards and detachably engaging the ends of said U bar when the same is pivotally moved upwardly for the support of the guards, a hinged extension gate on the forward end of each of said side guards and a hook member for the detachable anchorage of said extension gate when in operative position; said loader thus adapted to be secured to the rear of a live-stock truck and folded up to close the rear end of the truck when the live-stock is loaded thereby.

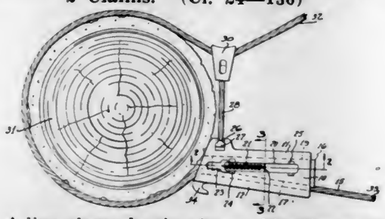
2,179,006
KELLY BUSHING
Biasito Bronzan, Los Angeles, and Glenn D. Johnson, Compton, Calif., assignors to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application May 23, 1938, Serial No. 209,522
10 Claims. (Cl. 255—23)



1. A bushing for a rotary table to drive a drill stem of polygonal cross section comprising a body to be carried by the table and having an opening for passing the stem, parts in the opening for contacting the stem, shiftable carriers for the said parts, means holding the carriers against vertical movement in the opening and supporting the carriers for substantially horizontal movement toward and away from the stem, and means

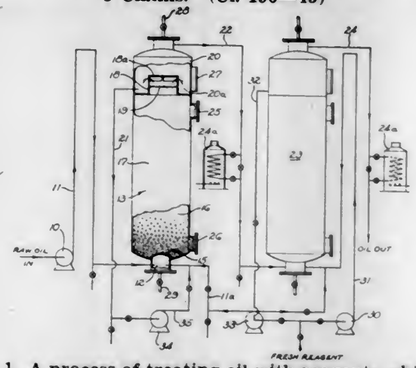
for shifting the carriers substantially horizontally to positions where their said parts cooperate with the stem to transmit rotation thereto, said means including vertically movable adjusting elements cooperating with the carriers and means for actuating the said elements.

2,179,007
LINE CLAMP
William L. Brownlee, Toutle, Wash.
Application September 26, 1938, Serial No. 231,649
2 Claims. (Cl. 24—136)



1. A line clamp having in combination a channel shaped member the sides of which converge, a wedge disposed within said channel adapted to hold a line between same and an adjacent side of said channel, a spring adapted to selectively urge said wedge toward or away from a wedging position and an eye attached to one side of said body through which a line may pass after it is passed through said clamp and around a stump for the purpose of holding said clamp toward said stump.

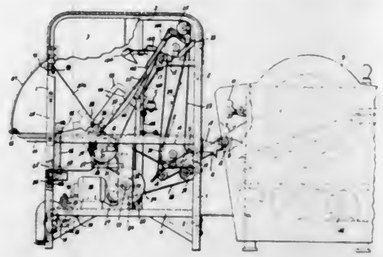
2,179,008
PROCESS FOR REFINING OIL
Sumner E. Campbell, Long Beach, Calif.
Application December 13, 1937, Serial No. 179,486
5 Claims. (Cl. 196—45)



1. A process of treating oil with reagents which comprises: introducing independent streams of oil and reagent into the lower part of a reaction zone containing contact material substantially submerged in the reagent, passing the said streams upwardly through said zone to cause intimate contacting of said oil and said reagent, then separating the oil and reagent.

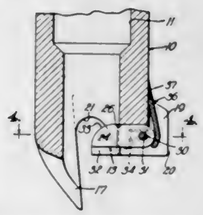
2,179,009
LIGHT-SENSITIVE CONTROL MEANS
Forrest J. Couch, Rochester, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application June 26, 1936, Serial No. 87,346
4 Claims. (Cl. 271—83)

1. Control means for a device for handling articles travelling in a path comprising light-sensitive members spaced progressively along said path to one side thereof in first and second positions, light source means for projecting light beams transversely of said path and upon said members, means for actuating said device including a polarized relay and an electrical contact adapted to be closed thereby, said members



being connected in an electrical circuit with said relay with opposed polarities, and said members and relay and contact being so arranged that said relay closes said contact only when the light beam to said second position member is interrupted by one of said articles and when the light beam to said first position member is uninterrupted.

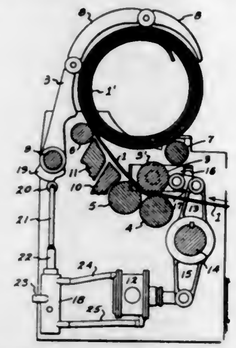
2,179,010
WELL BIT
Thomas A. Creighton and Thomas E. McMahan, Long Beach, Calif., assignors of one-third to Martha H. Wright, Los Angeles, Calif.
Application June 17, 1938, Serial No. 214,234
9 Claims. (Cl. 255—72)



1. A well drilling bit comprising a body having a vertical opening, cutting means on the body operable to make an annular cut in the earth formation leaving a central core of earth formation, an element pivotally supported on the body, and yielding means urging the element to a position where it cuts away the core and where it is retractable by an object run down in the opening to allow the projection of the object from the lower end of the body and operable to return the element to the core cutting position.

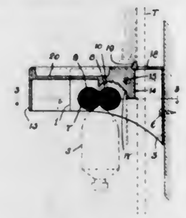
2,179,011
HOT STRIP COILING MACHINE
Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application February 28, 1938, Serial No. 192,952
11 Claims. (Cl. 242—78)

6. In a coiling machine, feeding means arranged to form selectively a pinch roll type feeding means or a bending roll type feeding means, means for forming a coil of metal and means



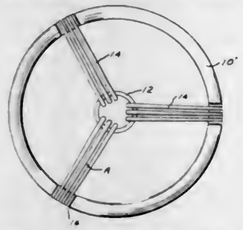
for changing from one type of feeding means to the other during the formation of said coil.

2,179,012
TOOTH PASTE OR SHAVING CREAM DISPENSER
Arthur R. Kach, Ashtabula, Ohio
Application July 22, 1938, Serial No. 220,725
13 Claims. (Cl. 221—60)



1. In a dispenser for tooth paste and the like, a metallic bracket adapted to be secured to a wall, and a holder for toilet articles mounted on said bracket, said holder having tube deflecting means formed integrally therewith.

2,179,013
STEERING WHEEL
John W. Kaye, San Antonio, Tex.
Application May 26, 1937, Serial No. 144,893
10 Claims. (Cl. 74—552)



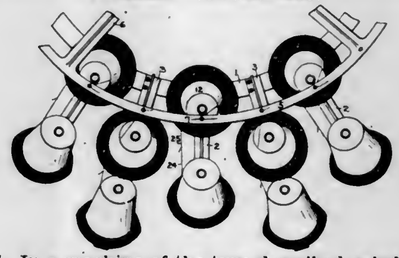
1. A steering wheel including, a hub adapted to be connected to the steering post of a motor vehicle, a plurality of curved spokes extending upwardly and outwardly of the hub and having one end secured thereto, a wheel rim, and means for rotatably fastening the other ends of the spokes to the rim.

2,179,014
METHOD OF COLOR CORRECTION OF PHOTOMECHANICAL IMAGES
Robert L. Klein, Cincinnati, Ohio
Original application March 20, 1935, Serial No. 12,032. Divided and this application October 21, 1937, Serial No. 170,211
10 Claims. (Cl. 95—5.1)



1. The method of controlled color correction of photomechanical images which comprises the steps of applying, over those mass tones that are correct, a permanent transparent waterproof and acid-resisting staging compound, etching unstaged tone masses of the image with etching solution until masses requiring the least etching are corrected, then staging the masses thus corrected with permanent transparent waterproof, acid-resisting staging compound, repeating the etching and staging operations as required to correct and protect all tone masses of the image, then photographically copying through the corrected image without removing any of the previously applied staging compound.

2,179,015
BOBBIN STAND
Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application March 17, 1936, Serial No. 69,366
6 Claims. (Cl. 242—130)

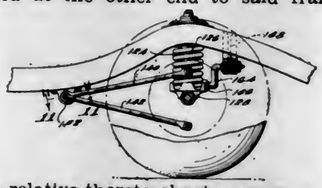


1. In a machine of the type described, a bobbin stand for supporting a plurality of yarn packages including a supporting ring, a series of arms projecting from said ring, alternate arms carrying yarn packages staggered relatively to those carried by the other arms, a guide in the vertical plane of each arm through which the yarn is to be drawn, the said arms being curved to support packages at the same distance from the guide and in such a manner that the axis of any package if extended, would pass substantially through the guide.

2,179,016
VEHICLE
John W. Leighton, Port Huron, Mich.
Application February 19, 1937, Serial No. 126,659
3 Claims. (Cl. 267—66)

1. In a spring suspension for a vehicle having a frame and an axle associated therewith for supporting a pair of vehicle wheels, the combination of spring means interposed between said axle and said frame, and first and second pairs of axle supporting rods associated with the respectively opposite ends of said axle, the rods of each pair

being connected at one end of said axle, and being connected at the other end to said frame for



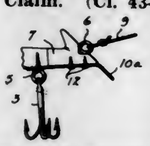
rotation relative thereto about a common center, certain of said connections embodying resilient cushioning means.

2,179,017
CEMENTING SHOE
Howard K. Pieper, Long Beach, Calif., assignor to E. B. Hall, V. P. Baker, and A. L. Armentrout
Application May 31, 1938, Serial No. 210,835
10 Claims. (Cl. 166—9)



1. A cementing shoe for use on a well casing comprising a shoe body for application to the casing, a shiftable tube projectable from the lower end of the body and adapted to conduct fluid from the casing to the well, and a piston on the tube adapted to be acted on by fluid under pressure in the casing to project the tube.

2,179,018
FISHING LURE
Carl H. Weidenmier, Berlin Center, Ohio
Application June 29, 1937, Serial No. 150,967
1 Claim. (Cl. 43—46)



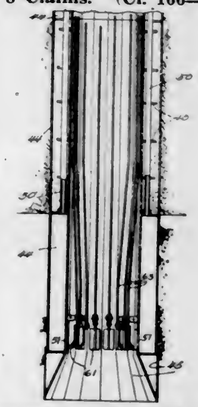
Artificial fishing bait comprising, a casting lure having an elongated buoyant body portion with an end face sloping downwardly at the front end of the body portion and terminating in vane-like parts projecting laterally a substantial distance both above and below said body portion, said end face being formed in part at least from a metal plate attached to the underside of the body portion and having a downwardly bent end portion projecting from the front end of the body portion, a hook suspended from the underside of said body portion, and means at the forward end of said body portion for attaching the lure to a fishing line.

2,179,019
CONSTRUCTION UNIT
Joseph E. Willetts, Pittsburgh, Pa.
Application May 6, 1936, Serial No. 78,147
5 Claims. (Cl. 94—8)



1. A concrete reinforcing unit for embedding in the concrete in spaced relation below the upper surface of the concrete including a plurality of spaced intersecting perforated members having downwardly inclined longitudinally extending flanges, the flanges of adjacent members forming a mold cavity having downwardly converging side walls for receiving and supporting concrete therebetween.

2,179,020
SHAFT CONSTRUCTION AND METHOD OF OPERATION
Leo Ranney, Morro Bay, Calif.
Original application June 7, 1935, Serial No. 25,482. Divided and this application December 21, 1936, Serial No. 117,098
8 Claims. (Cl. 166—1)

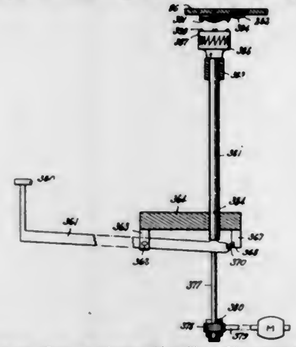


1. A continuous double-walled, segmental shaft, comprising a plurality of vertically superimposed cells attached together to form a circle with vertical webs dividing the cells and connecting the inner and outer walls of each cell together, the outer wall of each cell being foraminous, the inner wall of each cell being imperforate except for a closable valved opening therethrough into the interior of the shaft, the inner and outer wall of the shaft being built up of superimposed segmental plates attached together vertically and horizontally, an unobstructed vertically disposed longitudinal flow channel between the walls of each cell from any level in the cell to an opening in the inner wall thereof and thence to the center of the shaft, said shaft having at its lower end a shoe for penetrating earth formations in sinking.

2,179,021
TYPEWRITING MACHINE
David Y. Read, New York, N. Y., assignor of one-fourth to Jessie P. Grandy, and one-fourth to Henry H. Snelling, both of Washington, D. C.
Original application November 7, 1932, Serial No. 641,630. Divided and this application May 17, 1937, Serial No. 143,186
11 Claims. (Cl. 197—66)

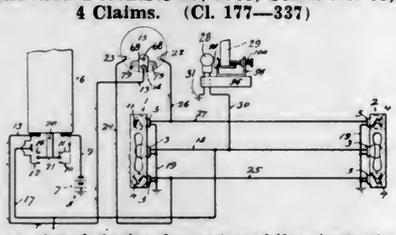
10. In a motor driven carriage return mechanism, a constantly driven shaft, a sleeve slidably

splined thereto and having a normal position and a clutching position, a carriage return drum adjacent the sleeve, a clutch for operatively connecting the drum and sleeve, carriage return key means for shifting the sleeve to clutching position, and declutching means responsive to a predetermined clutch load and cooperating with the



key means for automatically disconnecting the clutch and drum when said drum is checked and for returning all the parts to normal position, a part of said declutching means consisting of inclined plane elements for transmitting normal torque from the shaft to the clutch and for initiating the disconnecting action in response to abnormal load.

2,179,022
AUTOMOBILE SIGNAL DEVICE
Daniel E. Reed, Brooklyn, N. Y., assignor to Reed Safety Signal System, Inc., New York, N. Y., a corporation of New York
Application December 19, 1935, Serial No. 55,139
4 Claims. (Cl. 177—337)



1. A signal device for automobiles, including a housing adapted to be mounted on an automobile, and having means for indicating the shaft of an arrow and means for indicating arrow points oppositely disposed at opposite ends of said shaft portion of the arrow, lamps for said shaft portion of the arrow and for each point portion thereof connected in independent open circuits with a source of electric current, a manually adjustable switch adapted to close the circuit of the lamp for the shaft portion and the circuit of the lamp for either one of the point portions of the arrow, and means for alternately closing the circuit of said lamps and alternately illuminate the shaft portion and said point portion of the arrow.

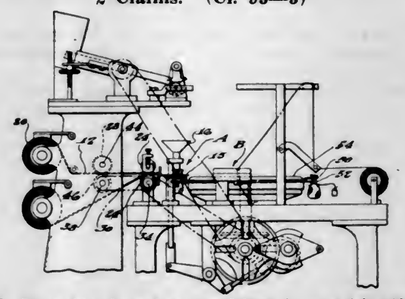
2,179,023
CHECK AND CHECK-SELECTING DEVICE
William K. Schauweker, Cleveland, Ohio
Application August 29, 1938, Serial No. 227,305
3 Claims. (Cl. 194—4)

1. A check for operating a check controlled device, said check comprising a closed thin cylindrical receptacle having therein a metal of high



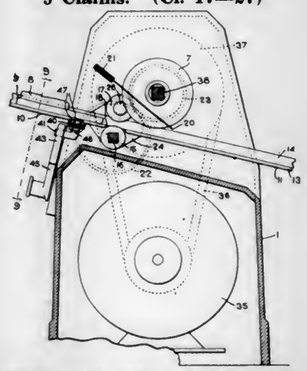
specific gravity filling only a portion of the space enclosed within the said receptacle and being freely movable within said space.

2,179,024
APPARATUS FOR PRODUCING A PACKAGE
Rodney K. Slocum, Pelham Manor, N. Y.
Original application October 8, 1936, Serial No. 104,612. Divided and this application February 17, 1937, Serial No. 126,226
2 Claims. (Cl. 93—3)



1. In a tea bagging machine, in combination, bag forming means including a die and a member movable through the die to form a pouch type bag, feeding rolls, means for operatively supporting two supply rolls of bag forming material in superposed relation whereby two webs of bag forming material may be drawn in superposed relation by said feeding rolls to be fed to said bag forming means, means for perforating the upper web prior to its engagement by said feeding rolls, bag filling means, bag closing means, and means for attaching a handle comprising a string and a tag to the filled and closed bag.

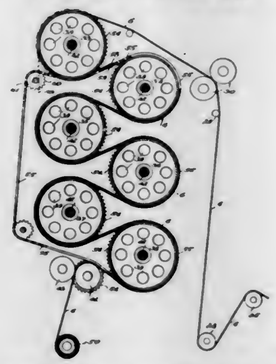
2,179,025
MEAT-SLITTING MACHINE
Joseph P. Spang, Quincy, Mass.
Application December 16, 1936, Serial No. 116,130
Renewed May 8, 1939
5 Claims. (Cl. 17—27)



1. A meat-slitting machine comprising a frame, a set of rotary slitting knives rotatably mounted thereon, means to rotate the knives, a meat-sup-

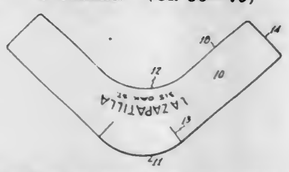
porting plate separable from the frame and on which the slice of meat to be slit is supported, a feed roll having a shaft, rotatably mounted in the frame, a plate-supporting member carried by said shaft and adapted to receive the plate on one side of the knives and over which the plate may slide completely past the knives to the other side of the machine where it is discharged therefrom, said feed roll contacting with and controlling the feeding movement of the plate, and means to rotate the feed roll at a slower surface speed than the peripheral speed of the knives whereby the knives will act on the meat with a draw cut.

2,179,026
COMBINED BLUE PRINT MACHINE AND DRIER
Warren L. Sullivan, Rochester, N. Y., assignor to Paragon Revolute Corporation, Rochester, N. Y., a corporation of New York
Application February 9, 1937, Serial No. 124,874
7 Claims. (Cl. 34—48)



1. In a machine of the class described, a series of rotatable drums adapted to engage a strip of paper or the like and to guide said strip in a zig zag path about said drums, and threading mechanism moveable independently of said drums to lead a free end of said strip in and out between said drums in said zig zag path, said mechanism including a member engaging the end portion of said strip, means movable independently of said drums for guiding said member to travel between and over certain of said drums in said path and means for moving said last mentioned means.

2,179,027
STOCKING PROTECTOR
Harry R. Taylor, Portland, Oreg., assignor of one-half to Buford V. Bridgewater, Portland, Oreg.
Application November 23, 1937, Serial No. 176,064
2 Claims. (Cl. 36—70)

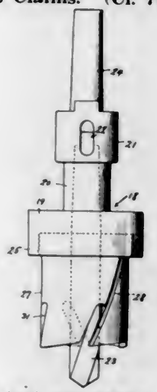


1. A stocking protector of the class described consisting of a strip of flat flexible material having two elongated ends normal to each other and characterized by having the junction of said ends curved in the manner that the shapes of the inner and outer edges thereof are substantially identical.

2,179,028
FILTERING
William H. Alton, Westport, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 3, 1936, Serial No. 108,979
5 Claims. (Cl. 210—203)

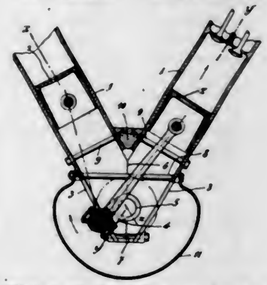
1. A new filtering medium adapted for contact filtration comprising a major proportion of finely divided pyrophyllite intimately admixed with and associated with from about 5% to about 50% of fibrous talc.

2,179,029
BORING TOOL
Ernest Barnes, Gilroy, Calif.
Application November 2, 1938, Serial No. 238,484
2 Claims. (Cl. 77—69)



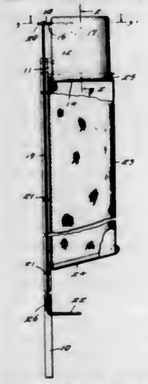
1. A boring tool comprising a body, said body being internally threaded, a cutting cylinder extending therefrom, one end of the cylinder being externally threaded for disposition in the internally threaded head and having its opposite end formed to provide cutting teeth, said teeth having cutting edges, said cylinder being formed with inwardly and spirally directed slots extending from the cutting points of the teeth.

2,179,030
MULTICYLINDER ENGINE
Jean Bugatti, Molsheim, France
Application July 15, 1936, Serial No. 90,814
In France July 23, 1935
14 Claims. (Cl. 121—194)



1. In a piston engine, the combination of a cylinder cut-through at an angle with its axis so as to have an end edge, the cylinder having a bore which is cylindrical throughout from its piston working zone to said end edge both inclusive; a second cylinder cut through at the same angle with its axis, so as to have an end edge corresponding to that of the first cylinder, the second cylinder also having a bore which is cylindrical throughout from its piston working zone to said end edge both inclusive, the cylinders being twinned with their end edges in contacting relation and further having corresponding cut-away portions to form housings straddling the meeting edge surface, on either side of the plane including the cylinder axis, the center line of said housings being at right angle to said plane; bearing members fitted in said housings; and means, including tension members at right angles to said meeting edge surface, for bracing the cylinders together.

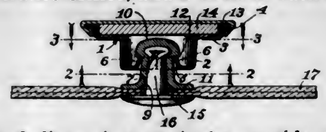
2,179,031
FRUIT PICKER
Matt Bustetter and Samuel Dannel Gericke, Yakima, Wash.
Application April 25, 1938, Serial No. 204,207
1 Claim. (Cl. 56—336)



A fruit picker comprising a flat-faced pole, a cylindrical body open at opposite ends and arranged parallel with the pole, a bracketing element at one end of the pole and supporting the cylindrical body extended beyond the pole, a turnable rod journaled on said pole and having a turning handle remote from said cylindrical body, a knife blade extended within the cylindrical body adjacent to one open end thereof and swingable transversely of said body, a hub terminal on said blade and releasably fitting the said rod, means securing the hub terminal releasably fitted to the rod, and a spring engaged against one flat face of the pole and connected with said rod for exerting tension on the latter and holding the blade normally adjacent to one side of the cylindrical body.

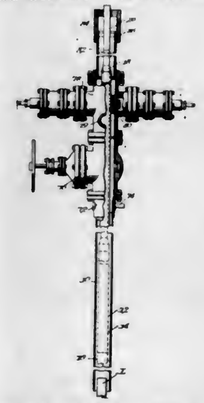
2,179,032
FLEXIBLE BUTTON
Leonard R. Carley, Watertown, and Forrest G. Purinton, Waterbury, Conn., assignors to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application June 8, 1937, Serial No. 147,124
4 Claims. (Cl. 24—95)

2. A flexible type tack button including a button head having a hub, the said hub being perforated in its bottom, walls about the perforation extending upwardly and inwardly of the hub and arranged in triangular formation, the walls having slits at the angles to thereby form a flexible restricted entrance orifice, a cooperating eyelet having a neck substantially equal in size to that of said entrance orifice, and a head of such relative



form and dimensions as to be capable of being forced through said entrance orifice and be retained by said slitted walls, the said eyelet being closed at its top and adapted to receive and deform a tack during an attaching operation.

2,179,033
METHOD AND APPARATUS FOR PERFORMING FISHING OPERATIONS
Martin L. Cashion and Roger Smith, Houston, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1937, Serial No. 171,564
21 Claims. (Cl. 166—15)

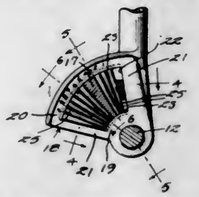


1. The method of fishing for a lost string of tubing in a well having pressure therein, which comprises lowering a second string of drill tubing with a drill bit at the lower end thereof into the well and to position at the upper end of the lost string, while maintaining control at the casing head against upward flow through the well around the second string and against upward flow through the second string, drilling around the lost string a predetermined depth to loosen the same and lifting the second string to position at the upper end of the lost string, while maintaining control at the casing head against upward flow through the well around the second string and against upward flow through the second string at the upper end of the lost string, and further elevating the second strip from the well while maintaining control at the casing head against upward flow through the well around the second string and against upward flow through the second string at the lower end thereof.

2,179,034
ADJUSTABLE GOLF CLUB HEAD
Thomas P. Duncan, Jr., Newport News, Va.
Application May 2, 1939, Serial No. 271,396
20 Claims. (Cl. 273—79)

1. In a golf club, a shaft, a head, pivotal means

between the shaft and head permitting disposition of the head in a selected position relative to the shaft, said head being shiftable in the direction of its length away from the shaft, and co-operating means between the head and the shaft facilitating securing the head in a selected adjusted position and comprising a frame carried



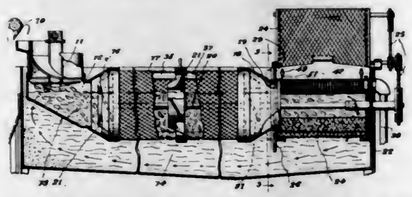
by the shaft, a plate member carried by the head and extensible into and out of the frame, the plate being movable from one side of the frame to the other when the head is oscillated on said pivotal means, and means which are movable in the frame for engaging the plate member to maintain the same in an adjusted position in the frame.

2,179,035

MATERIAL TREATING AND HANDLING APPARATUS

Joseph D. Ferry, Harrisburg, Pa.; Sylvia O. Ferry, executrix of said Joseph D. Ferry, deceased

Application June 15, 1937, Serial No. 148,377
9 Claims. (Cl. 146—197)



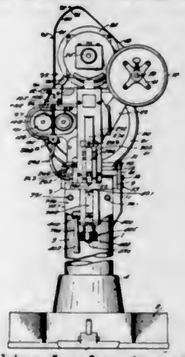
1. In an apparatus for washing potato slices, a tank for holding a washing liquid, a rotatable drum therein having inlet and outlet ends and a reticulated wall for screening broken and under-size slices into the tank, means for feeding potato slices into the inlet end of the drum, means for inducing a forced circulation of liquid through the drum from the inlet to the outlet ends thereof and in the reverse direction below the drum, a vertical baffle wall across the tank and having an opening receiving the outlet end of the drum, said baffle wall being spaced from the adjacent end wall of the tank and above the tank bottom, a reticulated discharge conveyor having its receiving end extending across and beneath the said outlet end of the drum in close relation to said end wall of the tank and said baffle wall, and an apron extending from the adjacent side wall of the tank and having its lower end closely overlying the conveyor to co-operate with said baffle wall, said end wall of the tank and said conveyor in forming a chamber whereof said conveyor constitutes the bottom into which the drum discharges, said chamber serving to prevent the washed slices discharged from said drum from entering the main body of washing liquid in the tank and also preventing the broken or under-size slices screened into the washing liquid by the drum from coming into the operative range of the receiving end of the discharge conveyor.

2,179,036

COMBINED STAPLE FORMING AND DRIVING MACHINE

Arnold Ferdinand Fischer, Astoria, N. Y., assignor to Hobbs Sales & Service Station, Inc., New York, N. Y., a corporation of New York

Application April 2, 1938, Serial No. 199,701
16 Claims. (Cl. 1—2)



1. In a machine for forming and driving staples, a pivoted spring controlled tiltable anvil element for supporting a length of wire stock which is to be severed and from which the staple is formed, an intermittently operable wire stock cutter-mechanism arranged adjacent to said anvil element and including means for guiding the said length of the stock over said element, a spring controlled hanger for pivotally suspending said element and including means for varying the position of the stock line with respect to said element, a wire stock feed-mechanism including intermittently coacting parts for feeding a length of the stock through said cutter-mechanism and across said element, a vertically movable assembly arranged over said element and including a staple former and a staple driver operating through the staple former, means common to said staple former and staple driver for moving them simultaneously in a like direction and for imparting a differential movement thereto to make the staple former active on the stock to form the staple in advance of making active the staple driver to tilt said element and drive the staple, said staple former including means to provide for the operation of the cutter-mechanism to sever the stock prior to the formation of the staple, and an intermittently operable automatically controlled operating means common to said feed-mechanism and moving means for said assembly.

2,179,037

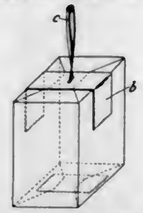
SEALING AND HANDLE ATTACHING DEVICE FOR PACKAGES

Martha Goldschmidt, Berlin, Germany

Application June 15, 1936, Serial No. 85,380
In Germany January 7, 1936
3 Claims. (Cl. 229—52)

1. A sealing and handle-attaching device for packages comprising an adhesive strip having spaced openings therein, a handle in the form of a loop projecting through each opening and having the ends adjacent the strip, and a reinforcing means for each loop secured on the adhesive coating of the strip and having a perforation therein through which the handle projects, the ends of the loops being fastened to the adhesive coating of the strip and the reinforcing means.

3. An endless strip for sealing packages and attaching a handle thereto, comprising an adhesive band and a plurality of spaced loops forming handles secured to the band, the band having a pair of spaced transverse lines between each two adjacent loops to divide the band alternately



into sections one provided with a handle to be attached, when separated, to a part of the package and the adjacent section without a handle to be attached, when separated, to another part of the package.

2,179,038

TANNING AGENTS AND PROCESS OF PRODUCING THEM

Friedrich Wilhelm Guthke, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 1, 1937, Serial No. 151,453. In Germany July 8, 1936
4 Claims. (Cl. 260—49)

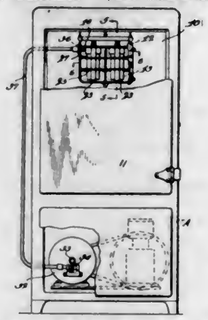
1. The process for the production of tanning agents, which comprises subjecting a water-soluble sulphonated condensation product derived from a hydroxy compound selected from the class consisting of the phenols and naphthols and a formaldehyde substance, to an after-treatment with a formaldehyde substance and a hydroxy compound selected from the class consisting of the phenols and naphthols, and causing an action of urea, and a formaldehyde substance to take place at a suitable stage of the process.

2,179,039

FREEZING MACHINE

Dock F. Herman and Josef Nordenhaug, Vinton, Va.

Application February 14, 1939, Serial No. 256,389
2 Claims. (Cl. 259—49)



1. A freezing apparatus for food products adapted for insertion in the freezing compartment of a domestic refrigerator comprising a vertically disposed container, an agitator fitting said container, a carrying frame about said container and having means holding the same rigid within the freezing compartment, a cover fitting said container and displaceably connected therewith and effective for the rotation of said container, means on the frame for holding the agitator fixed, means connected with the cover for imparting rotation thereto, means for separably fastening the holding means within the compartment, and a floater within the container and automatically lifted on the expansion of the products within said container for disconnecting the driving connection of the cover with the second-named means.

2,179,040

PROCESS OF POLYMERIZATION IN THE GASEOUS STATE

Werner Heuer, Hofheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 22, 1936, Serial No. 102,017. In Germany September 28, 1935
5 Claims. (Cl. 260—86)

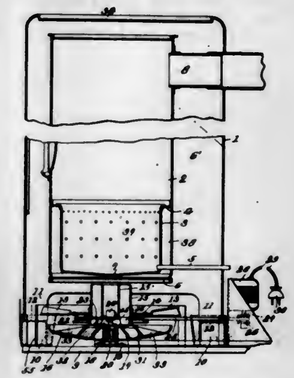
2. The process which comprises polymerizing gaseous vinyl chloride together with a normally liquid monomeric compound copolymerizable therewith in intimate contact with an indifferent liquid substantially incapable of dissolving said monomeric compounds and containing a polymerization catalyst under such conditions that the monomeric vinyl chloride is maintained in the gaseous state.

2,179,041

CIRCULATING OIL HEATER

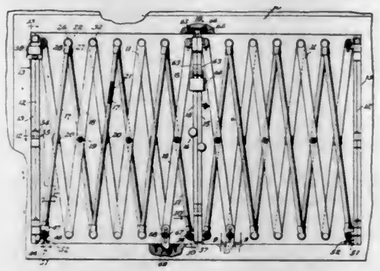
Rudolph Hoffman, Rocky River, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application July 18, 1938, Serial No. 219,877
10 Claims. (Cl. 126—93)



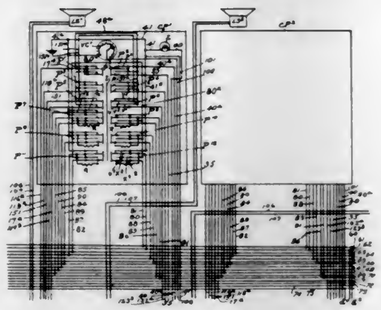
1. A room oil heater comprising a housing having an open lower end and an air passage through its upper end, a burner located in the lower portion of said housing and apart from it to form a surrounding air passage, an air circulating unit at the lower end of said housing, said circulating unit comprising two oppositely acting fans one fan communicating with the said passage way of the said housing and causing a downward movement of air through said passage and the other fan centrally arranged in respect to the first-mentioned fan, the second mentioned fan communicating with the said burner and producing an upward draft of air to insure proper combustion of the said burner.

2,179,042
BURGLAR-ALARM WINDOW GUARD
Harry Jackson, Harrisburg, Pa.
Application November 29, 1937, Serial No. 177,125
3 Claims. (Cl. 200—52)



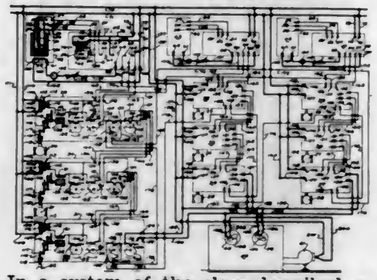
1. A burglar alarm comprising a lazy tong closure, said lazy tong including crossed bars pivotally connected at their crossing and pivotally connected at their ends, certain of the bars being tubular and arranged in such sequence as to form a continuous passageway, pulleys disposed at the pivoted ends of the bars forming the passageway, a cable trained over said pulleys and secured at one end to the initial tubular bar forming the passageway, a switch contact connected to the opposite end of the cable in the final bar forming said passageway, and a spring connected to the cable at said contact for maintaining the cable taut and for moving the contact to circuit closing position upon rupture of the cable.

2,179,043
MULTIUNIT RADIO RECEIVING SYSTEM
Raymond Kimball, Hollywood, Calif.
Application July 3, 1937, Serial No. 151,897
19 Claims. (Cl. 179—1)



1. A multiunit radio receiving system comprising a plurality of receiving units operatively connected with a radio receiving circuit, each unit including a sound reproducing device and its circuit, an intercommunication power circuit means common to all of said receiving units, means selectively controllable at each unit for connecting the sound reproducing device of the same unit and the sound reproducing device of any other preselected unit with said intercommunication power circuit, and means associated with each unit for changing the direction of current flow through its sound reproducing device and the preselected sound reproducing device while said devices are included in said intercommunication power circuit.

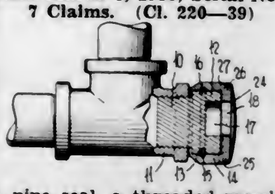
2,179,044
ZONE CONTROL SYSTEM
John P. Kriechbaum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 9, 1935, Serial No. 20,526
22 Claims. (Cl. 236—91)



1. In a system of the class described, a plurality of sets of motors, a plurality of motors in each set, a controller for each set of motors, the controller placing one motor in operation and that motor placing the other motors of the set in operation, and means for preventing the operation of any set of motors when any of the other sets of motors are operating.

6. In a conditioning system for a building having a plurality of zones, a plurality of valves for each zone controlling the supply of conditioning fluid to the zone, means associated with each zone for controlling the operation of the valves of that zone, and means for preventing the opening of the valves of one zone when the valves of any other zone are opening.

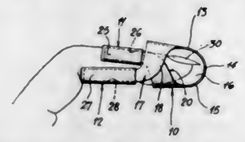
2,179,045
LOCKED PIPE CLOSURE
Arthur Lewis, Astoria, Long Island, N. Y.
Application March 3, 1938, Serial No. 193,753
7 Claims. (Cl. 220—39)



1. In a pipe seal, a threaded member having a circular hole in its head enclosing its center, a cap having an aperture fitting over the side of the member and having in its head a hole about its center and extending toward one edge the length of the hole being substantially equal to the diameter of the hole in the member, means to hold the cap and member from relative longitudinal movement while allowing relative rotary movement, and a key having an eccentrically extending arm adapted to pass through the hole in the cap and so proportioned in respect to the holes as to engage the wall of the hole in the threaded member.

2,179,046
FINGERNAIL POLISH PROTECTOR
Howard B. Lewis, Inglewood, Calif., assignor to David Gelb, Sadie Gelb, and Julius Klugman, Los Angeles, Calif.
Application January 3, 1939, Serial No. 248,922
5 Claims. (Cl. 132—73)

1. A fingernail polish protector comprising a shield for the fingernail, said shield being spaced a substantial distance from said fingernail, and



having openings on at least two sides thereof adjacent the fingernail, and resilient means for securing said shield on said finger.

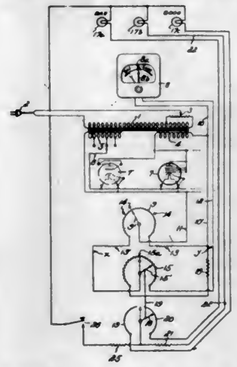
2,179,047
TRANSPORTATION EQUIPMENT
William C. McMurry, Birmingham, Ala.
Application November 8, 1938, Serial No. 239,556
3 Claims. (Cl. 214—84)



1. Apparatus of the character described, comprising a framework designed to form a substantially horizontal load-supporting platform; friction-reducing means associated with said framework and designed to form a vertically adjustable slideway for transference of a load-forming unit horizontally into position above said framework; mechanism mounted on the framework and connected to said friction-reducing means to adjust the slideway vertically; and stop means, carried respectively by said framework and said slideway, for checking the ascent of the slideway when it projects slightly above the platform, and for checking the descent of the slideway when it has reached a position entirely below the upper surface of the platform, that portion of said stop means that limits descent being constructed and arranged to support the slideway in its lowermost position, said stop means comprising a plurality of channel-shaped members having spaced horizontal flanges forming part of said slideway, and complemental members secured to the framework between said flanges and having less vertical dimension than the spaces between the flanges, and said friction-reducing means comprising a multiplicity of anti-frictional elements carried by members arranged for vertical movement between said horizontal flanges.

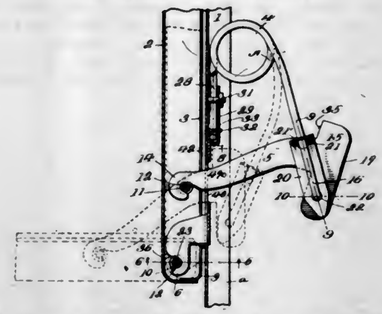
2,179,048
TESTING DEVICE
John H. Miller, Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application February 27, 1937, Serial No. 128,265
2 Claims. (Cl. 250—27)

1. In a tube testing device, the combination with means for energizing a tube, a measuring instrument, means connecting said instrument to the tube to indicate a characteristic of the tube, and a potentiometer for adjusting the sensitivity of said instrument, of a second potentiometer in circuit with said first potentiometer, said second potentiometer having a normal intermediate position for the adjustable tap thereof, a series of three indicating lamps corresponding to the minimum acceptable value for a tube and to values above and below the same, a source of current for energizing said lamps, a permanently connected circuit including a resistance between said source and the lamp indicating minimum acceptable value, and switch mechanism for controlling the energization of said lamps, said mechanism including a contact for each of the



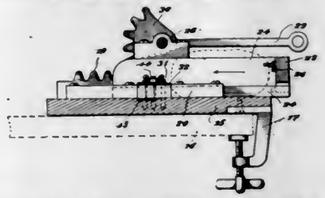
other lamps and a contact arm mechanically connected to the second potentiometer, said contact arm being positioned between said contacts when said second potentiometer stands in normal position.

2,179,049
RANGE DOOR CONSTRUCTION
Arnold H. Moecker, Homewood, Ill., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application March 9, 1939, Serial No. 260,872
18 Claims. (Cl. 126—194)



2. In a range or the like, a door opening frame, bearings at the outer side of said frame and oppositely positioned adjacent the lower corners of said opening, a door provided with a horizontally disposed pivot pin adjacent each of its lower corners, said pivot pins engaging said bearings and serving to pivotally support said door, a pivot pin extending horizontally outward from each side of said door above and in separated relationship to said first named pivot pins, a link pivotally connected to each of said second named pivot pins and extending inwardly past said door opening, a bent spring positioned at each side of said opening and at the inner side of said frame, said springs including a leg at one side of their bent portion and disposed in parallelism to the front frame and secured to the inner side thereof and a second leg extending outwardly at an angle from the other side of said bend, the second legs of said springs being secured to the inner ends of said links, and said springs at all times exerting an inward pull upon said links.

2,179,050
VEGETABLE SLICER AND FRENCH FRIED POTATO CUTTER
Edgar J. Montague, Cortland, N. Y.
Application May 21, 1938, Serial No. 209,354
1 Claim. (Cl. 146—168)

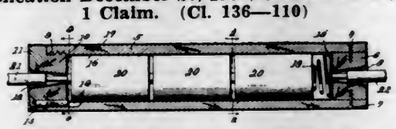


A vegetable slicer comprising a base, a feeder frame for feeding a vegetable longitudinally of the base, a cutting knife carried by the base in the path of movement of the feeder frame, a second cutter knife mounted on the base in abutting relation with respect to the first mentioned knife, upstanding anchoring posts carried by said base, each knife having apertures through which said posts extend, the second mentioned knife having vertically extending spaced cutting strips, a binding post engaging the abutting knives and overhanging thumb nuts carried by the binding posts and engaging the knives for holding the knives against accidental displacement from the base.

2,179,051
PROCESS OF MAKING POLYVINYL ACETAL RESINS
George O. Morrison and Aubrey F. Price, Shawinigan Falls, Quebec, Canada, assignors to Shawinigan Chemicals Limited, Montreal Quebec, Canada, a corporation of Canada
No Drawing. Application September 25, 1936, Serial No. 102,626. In Great Britain September 26, 1935
14 Claims. (Cl. 260—73)

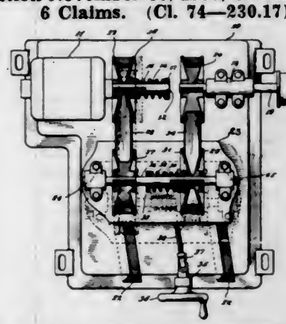
1. A process of making substantially colourless polyvinyl resins characterized by a high percentage replacement of hydroxyl groups, which process comprises reacting on an hydrolysis product of a polyvinyl ester other than polyvinyl formate, in solution in an organic solvent, with a saturated aliphatic aldehyde containing at least two carbon atoms in the molecule, in presence of a catalyst and water, the water being present in amount between the minimum which will protect the aldehyde and the produced resin from discolouration by the catalyst and the maximum compatible with maintaining homogeneous reaction conditions when the acetal reaction exceeds 85%.

2,179,052
BLAST DISCHARGE CONTROLLING CIRCUIT MAKER
George C. Nelms, Pittsburgh, Pa., assignor to Portable Lamp and Equipment Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application December 20, 1937, Serial No. 180,859
1 Claim. (Cl. 136—110)



A device of the character described comprising a hollow cylindrical shell, an axially apertured plug closing each end of the shell, battery elements encased within the shell and presenting a positive terminal toward one plug aperture and a negative terminal toward the other aperture, a contact plate opposed to one aperture, and a contact spring interposed between the plate and the opposed battery terminal and serving to hold the plate and the battery contact at the opposite end of the shell against the apertures which they oppose, said plug apertures being very small at their ends entering the shell and outwardly flared so as to pass the bared end of an insulated wire but only partially receive and obstruct passage of an insulated portion of said wire, one said plug being threadably received in said shell, said shell having a surface recess at the position of said threadably received plug, a securing pin entering the shell and plug across the threads thereof through said recess and at an angle to the axis of the shell, and sealing means for closing said recess.

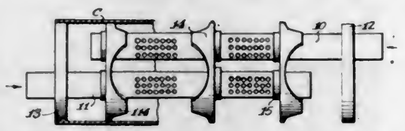
2,179,053
HIGH-RATIO VARIABLE SPEED TRANSMISSION
Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application November 30, 1936, Serial No. 113,318
6 Claims. (Cl. 74—230.17)



1. In a device of the class described, a base, a motor mounted on said base and having a spindle, a pulley mounted on said spindle, an output shaft mounted on said base, a pulley on said output shaft, a carriage slidably mounted on said base for linear movement toward and away from said motor and output shaft, said motor and output shaft being positioned on the same side of said carriage, a shaft carried by said carriage, two pulleys mounted on said last-named shaft, a V-belt travelling over said motor-spindle pulley and one of said last-named pulleys, a V-belt travelling over said output-shaft pulley and the other of said last-named pulleys, one of the pulleys associated with each belt being expansible, and means for shifting said carriage on said base.

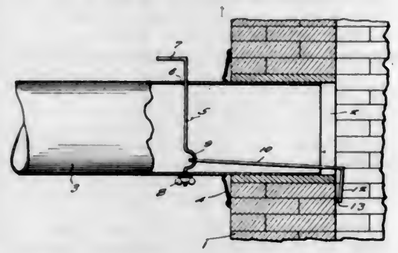
2,179,054
BAFFLE PLATE FOR MUFFLERS
Brewster G. Robbins, Utica, N. Y., assignor to Herbert S. Powell, Utica, N. Y.
Application February 21, 1938, Serial No. 191,776
2 Claims. (Cl. 181—69)

1. A baffle plate for mufflers, comprising a body portion adapted to extend across the muffler casing and a flange disposed around the peripheral edge of said body portion and extending axially of the muffler casing, said flange affording a continuous smooth tight fit entirely around the interior surface of the muffler casing and including spaced relatively narrow portions tightly fitting against the interior surface of the muffler casing for preventing bending of the baffle plate and also



including spaced relatively large portions tightly fitting the interior surface of the muffler casing for providing enlarged areas for welding the baffle plate to the muffler casing.

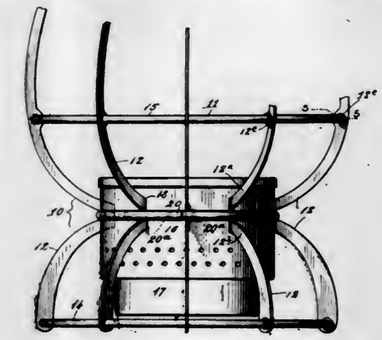
2,179,055
STOVEPIPE ANCHOR
Emil C. Rosencranz, Evansville, Ind., assignor of one-half to Joseph F. Bartholome, Evansville, Ind.
Application March 14, 1939, Serial No. 261,847
3 Claims. (Cl. 126—318)



2. In combination with a chimney having an opening therein and a stovepipe engaged in the opening, a rotary shaft extending through the stovepipe, said shaft including a crank adjacent the periphery of the stovepipe, a bar operable in the stovepipe and having one end portion loosely connected to the crank, a hook on the other end of the bar engageable in the chimney for preventing withdrawal of the stovepipe, a nut threaded on one end portion of the shaft and engaged with the stovepipe for clamping the bar between the crank and said stovepipe, and means for rotating the shaft, said means including a handle on the other end of the shaft, said handle being engageable with the chimney and also constituting means for retaining the stovepipe against inward movement in the chimney.

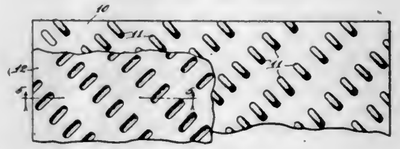
2,179,056
HAND LANTERN
Gustave Schmiedel, Arlington, N. J., assignor to Lovell-Dressel Company, Inc., Arlington, N. J., a corporation of Maine
Application March 24, 1936, Serial No. 70,585
3 Claims. (Cl. 240—40)

1. A lantern comprising a frame including a plurality of flat vertical guards, each having an inwardly-projecting intermediate portion; a top, and an oil pot holder, said oil pot holder having an inwardly-extending annular bead in the wall thereof and a plurality of vertical openings therein to receive the inwardly-projecting intermediate portions of said guards, the intermediate portion of each guard having a substantially semi-circular recess in its outer edge at the junction of its members conforming to and registering with the substantially semi-circular annular bead in said oil pot holder, and means located within



said annular bead and embracing the intermediate parts of said guards for securing said guards to said oil pot holder.

2,179,057
HEAT INSULATION
Clyde C. Schuetz, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application May 3, 1937, Serial No. 140,343
8 Claims. (Cl. 154—45)

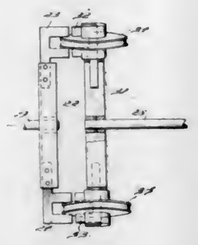


1. A laminated structure comprising a plurality of membranes each of which is indented from one side to provide a plurality of protuberances on the opposite surface thereof spaced to form a plurality of discontinuous rows, said membranes being positioned in face-to-face relation with alternate ones thereof in reversed relation so that the spaced protuberances on one membrane engage the protuberances on an adjacent membrane with said discontinuous rows on said membranes extending at a substantial angle to each other to prevent nesting of said protuberances and provide a plurality of air-cells between said membranes, the indented surface of said one membrane facing the similar indented surface of an adjacent membrane to provide a plurality of totally enclosed dead air spaces.

2,179,058
VARIABLE INDUCTANCE DEVICE
Jens Sivertsen, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 27, 1936, Serial No. 71,161
2 Claims. (Cl. 171—119)

1. A control, comprising a prime mover, a shaft turned thereby, a bar having its central portion fixed to said shaft, stacks of laminations fixed to opposite ends of said bar, and in line with a line through and normal to the axis of rotation of

said bar, a second shaft in alignment with said first shaft but having no mechanical driving connection therewith, a second bar centrally connected with said second shaft, stacks of laminations fixed to opposite ends of said second bar and offset with respect to a line through and



normal to the axis of rotation of said second bar and partly in registry with the first stacks of laminations, and coils fixed to the second stacks of laminations whereby when the prime mover turns its shaft the inductance in one coil will increase and in the other coil will decrease.

2,179,059

DEHYDRATION OF ALLYL ALCOHOL

Harold R. Slagh, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application January 31, 1938, Serial No. 187,923

4 Claims. (Cl. 202—42)

1. In a process for the removal of water from aqueous allyl alcohol, the steps which comprise mixing methylene chloride therewith and distilling water and methylene chloride from the mixture.

2,179,060

MANUFACTURE OF LUBRICATING COMPOSITIONS

Herschel G. Smith, Swarthmore, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application January 22, 1936, Serial No. 60,355

7 Claims. (Cl. 87—9)

1. As an improved compound lubricant, a uniform blend of a major amount of mineral oil lubricating base and a minor amount of sulfurized sperm oil, said lubricant being stable both in storage and in use and being non-corrosive to metals.

2,179,061

MANUFACTURE OF LUBRICATING COMPOSITIONS

Herschel G. Smith, Swarthmore, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application January 22, 1936, Serial No. 60,357

12 Claims. (Cl. 87—9)

1. As an improved compound lubricant, a uniform blend of a mineral oil lubricating base and a minor amount of a sulfurized fatty mono-ester derived from an ester having the following formula

$$R-\underset{\underset{O}{\|}}{C}-O-R_1$$

wherein R and R_1 represent aliphatic groups, at least one of said groups being unsaturated prior to sulfurization, said lubricant being stable both in storage and in use and being non-corrosive to metals.

2,179,062

MANUFACTURE OF SULPHO-HALOGENATED MONO-ESTERS AND IMPROVED LUBRICANTS CONTAINING SAME

Herschel Gaston Smith, Wallingford, and Troy Lee Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 9, 1936, Serial No. 84,386

2 Claims. (Cl. 87—9)

1. An improved lubricant, suitable for lubricating cadmium-silver and other special alloy bearings under relatively high bearing temperatures, pressures and speeds, without corroding said alloy bearings, comprising a major proportion of a mineral oil and between 0.2 and 2.5 per cent of a substantially neutral sulpho-chlorinated mono-ester dissolved therein, said mineral oil being a mineral lubricating oil which while capable of initially producing effective lubricating action would normally tend to corrode said alloy bearings under said conditions, and said sulpho-chlorinated ester having the following properties:

Specific gravity, A. P. I.	14–20
Viscosity, S. U. V., 210° F.	75–300
Color, N. P. A.	2.1–8.0
Copper strip	Satisfactory
Neutralization number	0.25–2.0
Sulphur, per cent	2.0–6.0
Chlorine, per cent	2.0–7.0

and being an addition product of sulphur chloride and an unsaturated aliphatic mono-ester having the following formula

$$H_3C-(CH_2)_n-\overset{H}{\underset{|}{C}}=\overset{H}{\underset{|}{C}}-(CH_2)_n-\underset{\underset{O}{\|}}{C}-O-\overset{H}{\underset{|}{C}}-(CH_2)_n-\overset{H}{\underset{|}{C}}=\overset{H}{\underset{|}{C}}-(CH_2)_n-CH_3$$

wherein n is 1 to 9, the amount of the sulpho-chlorinated mono-ester dissolved in the oil being sufficient to effectively and substantially retard the destructive action on said alloy bearings which would normally occur in the absence of said sulpho-chlorinated mono-ester.

2,179,063

METHODS OF MAKING SULPHURIZED SPERM OILS AND THE LIKE

Herschel G. Smith, Swarthmore, and Troy Lee Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 28, 1936, Serial No. 103,050

19 Claims. (Cl. 87—9)

1. In an improved method of making sulphurized oil compositions from mono-esters of fatty acids, the improvements which comprises sulphurizing the fatty mono-ester at temperatures between 360 and 450° F. to produce sulphurized esters containing minor amounts of by-products deleterious in lubricating composition and subsequently removing the said by-products by mixing the sulphurized esters with an acid washed clay, agitating the mixture until said clay absorbs the products deleterious in lubricating compositions and recovering the refined sulphurized esters from said mixture.

2,179,064

REFINING OF OIL COMPOSITIONS CONTAINING SULPHURIZED FATTY ESTERS

Herschel G. Smith, Swarthmore, and Troy Lee Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 28, 1936, Serial No. 103,051

17 Claims. (Cl. 87—9)

1. As an improvement in making motor oils and lubricants containing sulphurized fatty esters, the method of refining a mineral oil composition containing said sulphurized fatty esters to remove the deleterious non-volatile materials associated with the sulphurized esters, which comprises contacting the oil composition with sufficient acid washed clay to absorb said deleterious materials maintaining the oil composition in contact with the clay until the clay absorbs the deleterious material and then separating the oil composition from the clay and absorbed impurities.

2,179,065

MANUFACTURE OF SULPHURIZED MONO-ESTERS OF FATTY ACIDS

Herschel G. Smith, Wallingford, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application October 29, 1936, Serial No. 108,305

16 Claims. (Cl. 260—327)

1. As an improvement in the manufacture of sulphurized esters, the improved process which comprises sulphurizing an unsaturated fatty aliphatic mono-ester having the following formula

$$R-\underset{\underset{O}{\|}}{C}-O-R_1$$

wherein R and R_1 represent straight chain aliphatic groups, one of said aliphatic groups being saturated and the other being unsaturated, by chemically combining said ester with sulphur to saturate said unsaturated group and to produce substantially neutral organic sulphur compounds.

2,179,066

MANUFACTURE OF SULPHURIZED SPERM OIL

Herschel G. Smith, Wallingford, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application October 29, 1936, Serial No. 108,306

15 Claims. (Cl. 260—327)

1. A composition of matter comprising the reaction product of sperm oil and elemental sulphur.

2,179,067

LUBRICANT

Herschel G. Smith, Wallingford, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 7, 1938, Serial No. 212,393

8 Claims. (Cl. 87—9)

1. An improved lubricant adapted for use as a crankcase lubricant in internal combustion engines operating at high pressures and high temperatures, comprising a petroleum lubricating oil having incorporated therein about 0.4 per cent of refined sulfurized sperm oil and about 0.8 per cent of tri-cresyl phosphate.

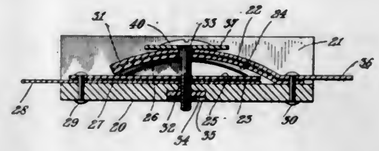
2,179,068

VARIABLE CONDENSER

Robert C. Sprague, Williamstown, Mass., assignor to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts

Application December 9, 1937, Serial No. 178,987

5 Claims. (Cl. 175—41.5)



1. In an adjustable condenser, a condenser electrode, a flexible composite element consisting of a metal layer and a dielectric layer, said layers being in molecular contact with each other, said element adapted to be flexed relative to the electrode to vary the capacity of the condenser.

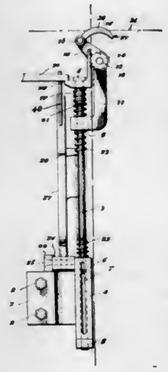
2,179,069

SELVAGE FORMING DEVICE

Woodruff T. Sullivan, Norwich, Conn.

Original application October 14, 1938, Serial No. 235,044. Divided and this application March 29, 1939, Serial No. 264,854

10 Claims. (Cl. 139—127)



1. In a shuttleless loom, the combination with a support, of an extended portion and means supporting said extended portion upon said support, a pinion carried by said extended portion, an arm on said extended portion and fixedly connected to said pinion, a rack unit meshing with said pinion, means for operating said rack unit, looper jaws fixedly secured to said arm, said jaws provided at their outer ends with filling engaging prongs, and means for delivering a filling to said jaws.

2,179,070

COLLAPSIBLE TOW BAR

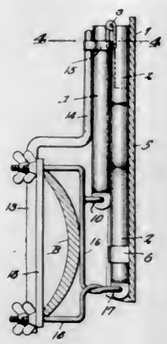
George Weise, New York, N. Y.

Application January 27, 1939, Serial No. 253,186

6 Claims. (Cl. 293—55)

5. A bumper guard comprising hingedly connected members, means for supporting the mem-

bers in upstanding positions on a bumper, and movable means cooperating with said members



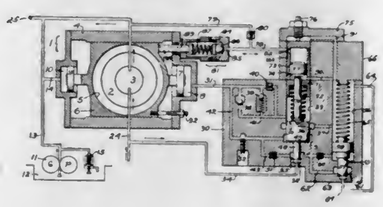
for locking them against relative swinging movement when in use as a tow bar.

2,179,071

CONTROL FOR HYDRODYNAMIC MACHINES

Ernst Wiedmann, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 9, 1938, Serial o. 201,120
23 Claims. (Cl. 103—38)



1. The combination, with a hydrodynamic machine having means for varying its displacement, of means for effecting operation of said displacement varying means in response to the fluid pressure in said machine varying above or below a given value, and means operable only in response to said displacement varying means reducing the displacement of said machine below a predetermined minimum for changing the pressure value at which operation of said displacement varying means is effected.

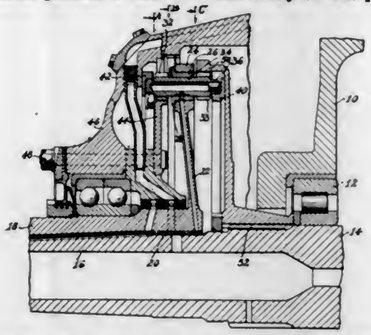
2,179,072

PLANETARY REDUCTION GEAR

Roland Chilton and Allan Chilton, Ridgewood, N. J., assignors, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J., a corporation of New York

Application November 3, 1937, Serial No. 172,561
10 Claims. (Cl. 74—305)

1. In a planet gear having concentric ring and sun gears axially spaced, a planet carrier having a rim disposed in such space, a planet member comprising a journal between and integral with two pinion elements of diameter larger than the journal engaging the respective gears, a split bushing comprising a bearing for said journal and engaged in a bore in said rim, said bore and bushing being of greater diameter than the smallest pinion to allow of assembly of the planet



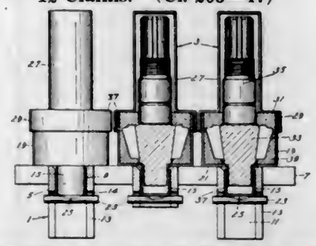
member and means for securing said bushing halves in said rim.

2,179,073

APPARATUS FOR HEAT TREATING

Albert C. Dames, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application June 10, 1935, Serial No. 25,921
Renewed April 6, 1939
12 Claims. (Cl. 263—47)



1. A heat-treatment container for supporting a manufactured article having an enlarged portion, said container being formed to substantially conform to the shape of said article and enlarged adjacent said enlarged portion of said article to provide for the use of a heat treating compound and formed with a section to directly engage and co-operate with said enlarged portion of said article to substantially protect other portions of said article from the action of said heat treating compound.

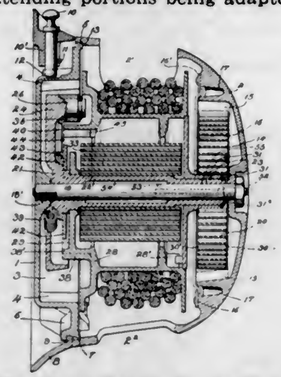
2,179,074

BRACKET FOR TROLLEY RETRIEVERS

Charles I. Earll, deceased, late of York, Pa., by Maude M. Lambert, administratrix, York, Pa., assignor to Charles I. Earll Company, Inc., York, Pa.

Original application November 2, 1936, Serial No. 108,889, now Patent No. 2,131,223, dated September 27, 1938. Divided and this application August 18, 1938, Serial No. 225,630
1 Claim. (Cl. 191—93)

A support for a trolley retriever comprising a bracket ring continuing the substantially smooth rounded contour of the retriever casing, the bracket ring being provided on its rear face with a plurality of inwardly extending lugs for attaching same to the dash of a vehicle, the front face of said ring being co-planar, three equally spaced inwardly extending annular ribs on the front face of the ring, a circular back member of the retriever mounted on the bracket ring and comprising a flanged plate having means for supporting portions of the retriever, an annular surface adapted to engage said front face of said ring, said plate having three equally spaced rearwardly extending portions being adapted to pass



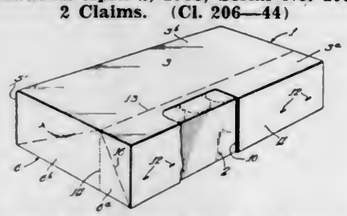
between the three ribs on the bracket ring and provided with grooves on the outer faces for slidably receiving the ribs of the bracket ring when rotated to cause the ribs to interlock, and means adapted to releasably lock said ring and back member together against relative rotation when said members are interlocked.

2,179,075

DISPLAY CONTAINER

Roy E. Lowey, Evanston, and Earl C. Potter, Chicago, Ill., assignors to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Application April 2, 1938, Serial No. 199,618
2 Claims. (Cl. 206—44)



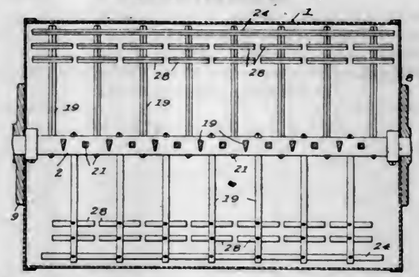
1. A container formed of two telescoping sections, one of which constitutes a bottom tray and the other a cover, the cover section comprising a main panel and four side walls joined thereto and to each other, two opposite side walls of the cover section being each formed with a weakened line extending from the lower free edge of the cover side wall to a point in the line of juncture between said side wall and the main panel, the main panel having a fold line extending between the ends of the weakened lines of the side walls, each side wall provided with a weakened line also being formed with fold lines therein, one on each side of the weakened line and disposed in angular relation thereto, said fold lines extending from points in the free edges of the cover side walls to the point where the weakened lines of the respective side walls meet with the fold line in the main panel of the cover, said side walls being symmetrically formed with fold lines, whereby when the cover panel side walls are severed along the weakened line and the portions of said side wall lying between the fold lines and said weakened line are folded back in the direction of the underside of the main panel of the cover, the latter may be caused to assume a dihedral angular shape to thus adapt the cover to receive and support the bottom tray in an inclined position.

2,179,076

MACHINE FOR MAKING PIE DOUGH OR LIKE PASTRIES

Joseph Mast, Phoenix, Ariz.

Application December 9, 1938, Serial No. 244,833
2 Claims. (Cl. 259—85)



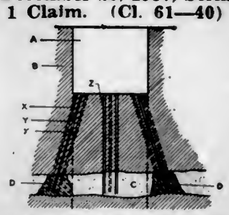
1. A machine for making pie dough or the like comprising a rotatably mounted drum; a shaft extending longitudinally of the drum and being rotatable with respect thereto; a plurality of sets of knife-like arms uniformly spaced longitudinally of the shaft to which they are connected and extending in planes which are radial thereto, each arm having the shape of a triangle in cross section with one of the vertexes of the triangle as its leading edge; a continuous knife-like strip connected to each set of arms close to the extremities thereof with its knife parallel to the plane of the leading edges of said arms and similarly faced; rows of shorter knife-like strips connected to the arms and extending parallel to the continuous strips; and means for rotating the drum and shaft simultaneously in opposite directions for producing an aerated mixture of the ingredients constituting the dough.

2,179,077

PROCESS FOR SINKING SHAFTS

Arthur H. Riney and Myron O. Johnson, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

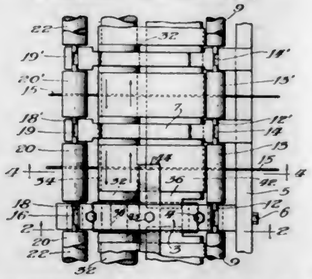
Application December 20, 1937, Serial No. 180,903
1 Claim. (Cl. 61—40)



In the art of sinking shafts, the process of sealing off a gas or water bearing strata which consists in boring holes which extend downwardly from the shaft through the strata and are arranged in two or more series around the shaft, filling one of the series of holes with a cementing fluid under pressure whereby it is caused to percolate into the gas or water bearing strata to form a cemented barrier around the periphery of the shaft allowing the other series of holes to vent gas or water coming from the strata, forcing the

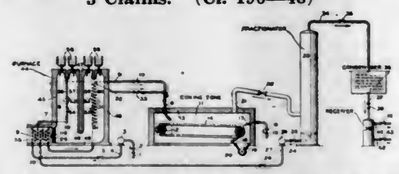
cementing fluid into the strata until the cementing fluid returns to the shaft through the other series of holes, controlling the size of the barrier of cemented material being built up in the strata by the distance the series of holes are spaced apart, and boring vent holes through the bottom of the shaft to vent that portion of the gas or water bearing strata which has been sealed off before drilling is resumed.

2,179,078
METHOD AND MEANS FOR MAKING DRAFTED YARN
Albert Allwood, North Charleston, S. C., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application February 28, 1938, Serial No. 193,028
9 Claims. (Cl. 19—131)



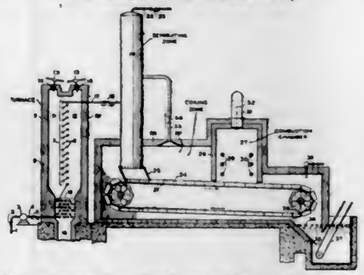
1. A process of drafting roving to form a fibrous yarn which comprises, passing said roving to a drafting zone and subjecting the same to tension, subjecting said roving to pressure between pressure surfaces in said drafting zone, reciprocating at least one of said surfaces transversely relative to said roving to vary the pressure upon, and rub the fibres of said roving.

2,179,079
CONVERSION OF HYDROCARBON OILS
Joseph G. Alther, Chicago. Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 12, 1938, Serial No. 207,432
3 Claims. (Cl. 196—48)



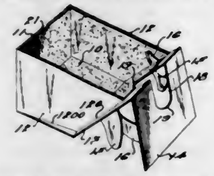
1. A process of cracking and continuous coking which comprises, quickly heating a residual oil to a temperature of the order of 900 to 975° F. by passing the same through a heating coil subjected to high rates of heating by direct radiation from flames and hot refractory surfaces in a furnace without allowing the oil sufficient time in the heating coil to cause substantial coke formation and deposition therein, simultaneously and separately heating a lower boiling oil to a cracking temperature of the order of 950 to 1050° F., discharging resultant highly heated products of both heating steps onto the moving surface of a conveyer disposed within a coking zone and thereon effecting reduction of the high-boiling components of the heated products to coke without additional heating, removing said coke from the coking zone, separately removing vaporous hydrocarbons supplied to and evolved within the coking zone therefrom, fractionating the vapors to form a relatively clean condensate of lower boiling characteristics than the first mentioned oil, supplying said condensate as said lower boiling oil to the second mentioned heating step, subjecting resultant fractionated vapors of the desired end-boiling point to condensation and recovering and separating the resulting distillate and uncondensed gases.

2,179,080
COKING OF HYDROCARBON OILS
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Continuation of application Serial No. 71,898, March 31, 1936. This application February 20, 1939, Serial No. 257,288
2 Claims. (Cl. 196—69)



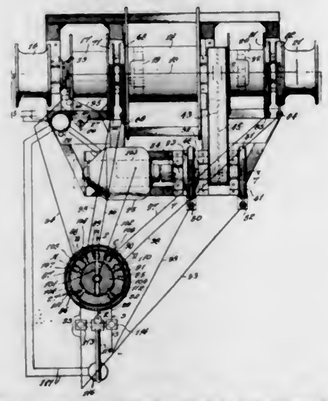
1. A process for the cracking and coking of heavy hydrocarbon oils, which comprises quickly heating the oil to a high conversion temperature while passing the same in a continuous stream through a heating coil subjected to high rates of heating by heat radiated directly to its surface from materials undergoing combustion and the hot refractory confining walls, introducing the heated products into a separating zone wherein the resultant heavy pitch-like residue separates from their vaporous components, removing said vaporous components from the separating zone, subjecting the same to condensation and separating the resulting condensate and uncondensed gases, discharging said pitch-like residue from the separating zone onto the moving surface of a continuous conveyor within a coking zone causing the pitch-like residue to spread out in a relatively thin layer over the upper surface of the conveyor and reducing it thereon to a relatively thin mass of coke-like material by means of its contained heat and by means of heat radiated thereto from the relatively hot refractory walls which separate the coking zone from the combustion chamber, passing the coke-like material on the conveyor beneath said combustion chamber at which point coking and devolatilization of the coke to the desired degree is completed by heating the material on the conveyor to a high temperature by heat radiated directly to its upper surface from materials undergoing combustion in said combustion chamber and the hot refractory walls thereof, removing resulting combustion gases from said combustion chamber without permitting any appreciable quantity thereof to commingle with the hydrocarbon vapors and gases evolved within and separately removed from said coking zone outside said combustion chamber, and continuously removing the deposited bed of coke from the conveyor and quenching and discharging the same from the system.

2,179,081
ASHTRAY
George E. Bench, Jr., Detroit, Mich.
Application June 2, 1938, Serial No. 211,356
5 Claims. (Cl. 131—240)



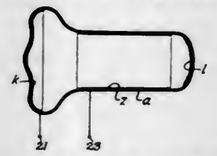
5. A disposable ashtray formed from a foldable blank composed of a bottom panel, a front panel bent upwardly from said bottom panel, side panels bent from the sides of the said front panel greater than 90 degrees rearwardly from said front panel disposed angularly over and in abutting contact with said bottom panel, the rear ends of the said side panels sloping upwardly and outwardly with respect to the rear line of the said bottom panel, a rear panel bent upwardly from the said rear line of the said bottom panel into abutment with the said upwardly and outwardly sloping ends of the said side panels, a prop bent downwardly and outwardly from the top of the said rear panel to a line level with the bottom of the said bottom panel, tabs hooking downwardly from the rear ends of the said side panels, and tabs bent greater than 90 degrees from said prop toward said rear panel hooking upwardly from said prop, the said rear panel having a pair of slots therein in alignment with the rear ends of said side panels each slot being adapted to receive one each of said tabs, the said tabs from the prop being disposed inwardly with respect to the tabs from the said side panels when the said ashtray is assembled whereby to maintain the said side panels tabs in clinched relationship with respect to the rear panel after the assembly of the said ashtray.

2,179,082
WINCH
Melvin B. Benson, New York, N. Y., assignor to Lidgerwood Manufacturing Company, Elizabeth, N. J., a corporation of New York
Application June 12, 1937, Serial No. 147,857
12 Claims. (Cl. 254—185)



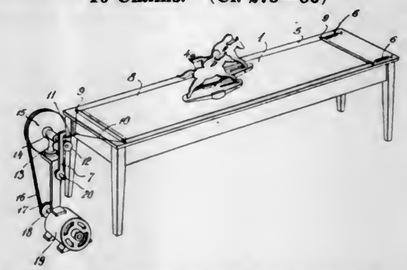
1. In a winch, input shafts supported for rotation independently of each other, drums driven respectively from said shafts, a single power shaft common with respect to said input shafts, means for selectively connecting said input shafts to said power shaft for operation therefrom; said means including planetary gearing comprising a sun gear driven directly from said power shaft, planet gears for driving one of said input shafts, and a ring gear for driving another of said input shafts; and means for selectively holding said ring gear against rotation and said planet gears against bodily rotation about the axis of rotation of said sun gear.

2,179,083
ELECTRON IMAGE TUBE
Ernst Bruche, Berlin-Reinickendorf, and Walter Schaffernicht, Berlin, Germany, assignors to Allgemeine Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany
Application August 13, 1937, Serial No. 158,880
In Germany August 8, 1936
3 Claims. (Cl. 250—165)



1. An electron image tube comprising a cylindrical envelope closed at each end, a luminescent screen deposited on one end, a layer of photosensitive material deposited on the other end, said other end having a non-spherical curved surface of revolution having both positive and negative radius of curvature, and an anode positioned intermediate the cathode and screen.

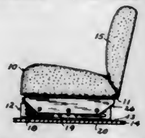
2,179,084
METHOD AND APPARATUS FOR ANIMATED AMUSEMENT DEVICES
Jerome E. Cook, Larchmont, N. Y., assignor to Carrateck Corporation, a corporation of Delaware
Application December 4, 1937, Serial No. 178,017
16 Claims. (Cl. 273—86)



1. In combination, a surface, means for imparting to said surface a forward and backward reciprocating motion, and a body in contact with but otherwise free to move upon said surface, said body being of such configuration that it may have an oscillatory angular motion in a plane normal to said surface, and including an element arranged to vibrate in a plane normal to said surface and relatively to the remainder of said body and to intermittently engage said surface when in contact therewith and during the forward phases of said reciprocating motion, to urge said body in a forward direction, said motions being so related to said vibration as to produce a sub-

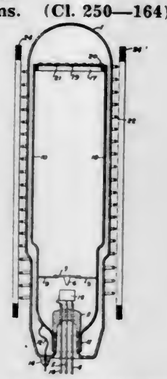
stantial variation in the forward motion of said body, said element comprising a pawl pivoted at the lower forward end of said body and extending rearwardly for approximately one-third the length of said body.

2,179,085
ADJUSTABLE SEAT
John P. De Rose, Oakland, Calif.
Application August 13, 1937, Serial No. 158,929
7 Claims. (Cl. 155—90)



3. In combination with a seat, a seat-supporting means comprising a plate member supported in upright position and provided intermediately of its length with a set of like and mutually parallel upright slots spaced horizontally and further provided at opposite sides of the first set of slots with sets of like and mutually parallel horizontal slots spaced vertically in their sets, a pair of laterally spaced and horizontally disposed bolts reciprocably carried by the seat and respectively engageable in slots of the different sets of horizontal slots for cooperatively supporting the seat in fixed and adjusted angularity to the plate while permitting a fore-and-aft adjustment of the seat along the plate, and a horizontally disposed bolt reciprocably carried by the seat and engageable in a slot of the set of upright slots to retain the seat in adjusted fore-and-aft position on the plate, each of said bolts being arranged for its inoperative disposal independently of the other two bolts.

2,179,086
MEANS FOR PRODUCING AN INCANDESCENT IMAGE
Philo T. Farnsworth, Springfield Township, Montgomery County, and Bernard C. Gardner, Philadelphia, Pa., assignors, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Original application May 6, 1936, Serial No. 78,188. Divided and this application September 20, 1937, Serial No. 164,624
3 Claims. (Cl. 250—164)



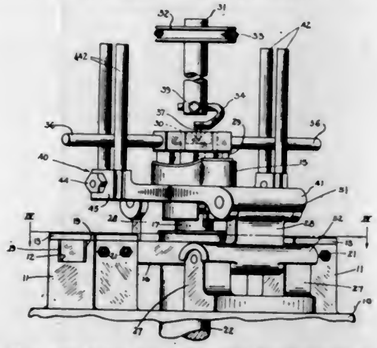
2. In an image projecting system having an envelope containing a primary light source coaxially positioned between an anode and cathode cooperating to produce a beam of cathode rays, and a lens system, said beam being moved in two dimensions over an image field, said primary light source comprising an opaque screen of incandescible material throughout its thickness and of such thickness that it can be raised to incandescence throughout its thickness and on both its opposite faces by impingement therewith of the beam of rays from said gun, whereby an incandescent image is formed on both sides of said screen.

2,179,087
ASBESTOS YARN
Willis A. Gibbons, Montclair, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 26, 1939, Serial No. 252,890
3 Claims. (Cl. 57—144)



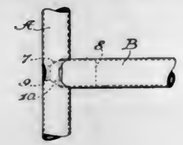
1. An asbestos yarn capable of withstanding temperatures that are destructive to cotton fibers, which comprises a core of drafted and spun asbestos yarn having a relatively rough irregular surface, and a cover of loose asbestos fibers rolled thereupon into intimate engagement with said irregular surface to thereby form a core yarn having a spun asbestos core and an unspun asbestos cover surrounding the core.

2,179,088
LENS ABRADING MACHINE
Lloyd W. Goddu and Charles H. Caldwell, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 13, 1935, Serial No. 21,212
5 Claims. (Cl. 51—59)



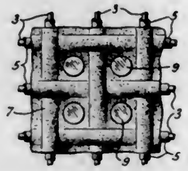
2. For use with an abrading apparatus having a base, a lens bearing block for holding a lens to be abraded, an abrading tool, means for imparting relative movement between said block and said tool, an attachment associated with said base and adapted to have an operative connection with said lens block for maintaining the axis of the lens to be abraded and the axis of said tool in a common plane while permitting otherwise free movement of the lens and lens block, said attachment comprising a supporting member carrying spaced parallel elements extending transversely from said member, a paralleling mechanism connecting said member and said base to allow transverse movement of said member while maintaining said member and said elements in a fixed angular relation with respect to said base, said spaced parallel elements being each moved into successive positions which are parallel with each other in a single plane during the abrading.

2,179,089
JOINT
George F. Hauf, River Forest, Ill.
Application May 18, 1936, Serial No. 80,336
4 Claims. (Cl. 287—54)



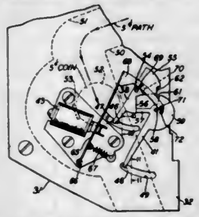
1. A joint comprising a metallic main tube; and a metallic branch tube intersecting the side of the main tube, said branch tube having a metallic plug fitted and anchored in the bore thereof and protruding from the end thereof as an axial stem with a tip of reduced cross section and said main tube having through opposite walls thereof a near hole of a size substantially to fit the end of the branch tube and a far hole of a size substantially to fit the reduced tip of the branch tube stem, said holes aligning on a common axis which is related to the axis of the main tube at the angle of intersection, the end of the branch tube being inserted into the near hole of the main tube to the point where it is throughout at least substantially flush with the adjacent surface of the main tube and the reduced tip of the stem thereof projects into the far hole of the main tube; and a weld anchoring the tip of the branch tube stem to the wall of the main tube adjacent the far hole therethrough.

2,179,090
MOSAIC SCREEN STRUCTURE FOR TELEVISION AND LIKE PURPOSES
Herbert Edward Holman, Hayes, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application January 26, 1937, Serial No. 122,481
In Great Britain February 1, 1936
7 Claims. (Cl. 250—27.5)



4. A mosaic screen structure comprising a metallic mesh, a fused insulated layer coated on the mesh, a second insulating coating fused on the first coating, said second coating having a fusing temperature lower than the fusing point of the first coating, an electrically conducting bodies positioned in the interstices of the mesh and in intimate contact with the second coating.

2,179,091
COIN COLLECTOR
Frederick A. Hoyt, East Orange, and Percy E. Mills, Towaco, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 24, 1938, Serial No. 197,756
5 Claims. (Cl. 194—16)



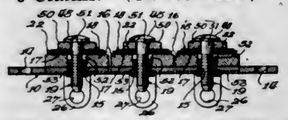
1. A telephone substation comprising a transmitter, a coin collector housing, said housing comprising a coin runway for receiving coins of one denomination, a second coin runway for receiving coins of a second denomination, a coin trap adapted to receive coins from both of said runways, means in said first runway for temporarily restraining a first coin deposited in said first runway from reaching said coin trap, means operated by a second coin deposited in one of said runways for freeing said first coin from said restraining means to permit both coins to reach said trap, a relay, means for supplying talking battery current to said transmitter and to said relay, and means controlled by said relay for rendering said first means ineffective to restrain another coin deposited in said first runway after the deposit of said first coin and said second coin.

2,179,092
MANUFACTURE OF ETHERS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 26, 1932, Serial No. 639,614
9 Claims. (Cl. 260—614)

1. A process for the production of ethers, which comprises contacting an olefin with a dilute solution of zinc chloride at temperatures within the range of 130° to 300° C., and pressures of about 200 to 400 atmospheres, and recovering the non-aqueous product of the process.

5. A process for the production of ether, which comprises contacting an olefin with a dilute solution of mineral acid containing zinc chloride at temperatures within the range of 130 to 300° C., and pressures of about 200 to 400 atmospheres, and recovering the non-aqueous product of the process.

2,179,093
TRIMMER CONDENSER BANK
Lawrence C. Johnson, Park Ridge, Ill., assignor to Underwood Electric & Mfg. Co. Inc., Chicago, Ill., a corporation of Illinois
Application January 13, 1939, Serial No. 250,784
6 Claims. (Cl. 175—41.5)



1. In a trimmer condenser assembly, the combination of a metal supporting bar provided with

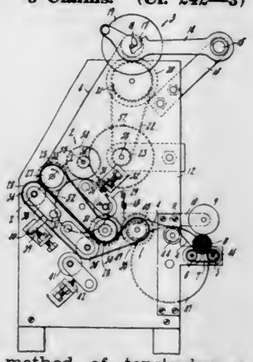
a plurality of apertures and a plurality of trimmer condensers, each trimmer condenser comprising an insulating supporting member, a centrally located threaded member, a pair of condenser plates carried by said insulating member, and threaded means engaging in said threaded member and adapted to draw said plates together, said threaded member being fixedly secured to said metal bar for the purpose of supporting said trimmer condensers in a bank, said threaded member comprising a metal sleeve having a shoulder for engaging a shoulder in said insulating member and having its opposite end spun outwardly into engagement with the metal bar.

2,179,094

METHOD AND APPARATUS FOR TENSIONING AND WINDING RESILIENT THREAD

Ernest J. Joss, Cranston, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application March 5, 1938, Serial No. 194,056
5 Claims. (Cl. 242—3)



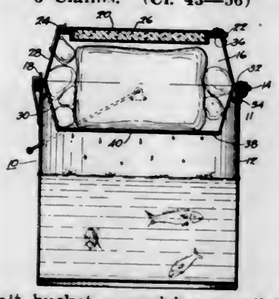
1. The method of tensioning a continuous length of elastic thread preparatory to supplying the thread to thread working means which comprises the steps of confining the thread under pressure between resilient belts and elongating the belts and confined thread and feeding the thread to the thread working means.

2,179,095

BAIT BUCKET

John Howard Kelsey, South Bend, Ind.

Application August 18, 1937, Serial No. 159,628
3 Claims. (Cl. 43—56)



1. A bait bucket comprising a pail-like member adapted to be substantially half filled with water, means defining a cooling chamber having an annular radial flange to support said chamber substantially at its midplane on the upper edge of said pail-like member, the depending lateral wall of said chamber being spaced inwardly of the defining wall of said member, said cooling chamber being adapted to contain ice, an insulating cover extending substantially entirely across the top of said chamber, a perforated screen forming the bottom wall of said chamber for permitting ice water to drip from said chamber down directly into the water in said pail-like member, said member having a series of openings adjacent its upper rim to permit interchange of air therethrough above the lower end of said cooling chamber whereby warm air from above said water in said pail-like member may be displaced and cool air may move downwardly about the cool walls of said chamber.

2,179,096

DEVICE FOR SUPPORTING A CLOTHESLINE OR OTHER ARTICLE

Charles O. Larson, Sterling, Ill., assignor to Chas. O. Larson Co., Sterling, Ill., a corporation of Illinois

Application October 28, 1938, Serial No. 237,512
3 Claims. (Cl. 24—131)



1. A device for supporting the end of a rope or other flexible line comprising an upstanding metal ring of substantially circular shape, a stem having a rearwardly directed portion extending from the lower portion of the ring in a vertical plane approximately normal to that of the ring and terminating in means for mounting the device on a wall or the like so that the ring will be spaced appreciably outwardly from the surface of the wall and will be securely maintained approximately parallel to said surface with clearance all around the ring except at the junction of the stem therewith, the inner surface of the ring at the bottom thereof having a curvature substantially that of the arc of the ring, whereby the two runs of a looped part of the line may be laid side by side on said portion of the ring surface with the bight of the loop overlying said runs and passing around the outside of the ring and pressing the runs against the inner surface of the ring and against each other with increasing force directly proportional to pull on the line.

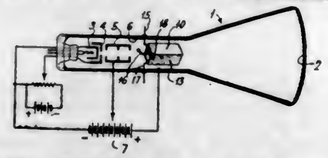
2,179,097

CATHODE RAY TUBE ELECTRODE STRUCTURES

Russell R. Law, West Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application February 10, 1938, Serial No. 189,718
11 Claims. (Cl. 250—158)

1. A tubular cathode ray electrostatic deflection structure comprising four nonmetallic rectangular plates of electrically semi-conductive material joined at their contiguous edges to form an open ended box enclosing an area of square cross-section, and an electrical conductor having a negligible resistance in comparison with that of the semi-conductive material extending along



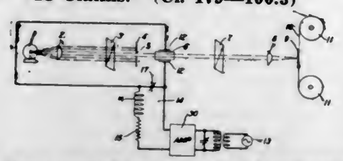
each corner of the box and electrically connected throughout its length to the adjoining plates to produce when each corner is energized a potential gradient in the semi-conductive material between adjacent edges of the box.

2,179,098

ELECTRO-OPTICAL APPARATUS

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 11, 1937, Serial No. 158,505
18 Claims. (Cl. 179—100.3)



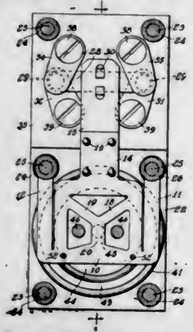
1. A light modulating apparatus comprising a piezoelectric element included in a circuit supplied with signals extending over a frequency band corresponding to at least one per cent of the resonant frequency of said element, and a plurality of impedances included in said circuit for causing the response of said element to be substantially uniform over said band.

2,179,099

SNAP-ACTION DEVICE

Gustaf A. Nelson, Brooklyn, N. Y.

Application April 30, 1938, Serial No. 205,169
1 Claim. (Cl. 74—100)



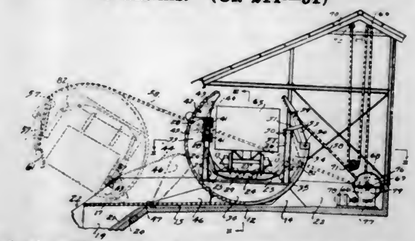
In a device for producing a snap-action in response to applied pressure causing an actuating movement of small magnitude, a spring member formed from a flat sheet and having a generally rectangular body portion from one end of which extends a tongue cooperating with means to be actuated, said spring member being provided on each side of said body portion with side members extending substantially parallel to the sides of said body portion and in the same general direction as said tongue, said body portion being distorted out of the original plane of the spring member to such an extent that the latter has a single normal position and a secondary position in which it is under stress tending to return it to normal position, means for rigidly supporting the ends of said side members, and supporting means having a sliding engagement with the body portion of said spring member at the end opposite the end from which the said tongue extends, and means for causing relative movement between the distorted body portion of said spring member and the rest of the spring member to cause the latter to buckle and assume its secondary position.

2,179,100

ROLLING CAR DUMP

Erskine Ramsay, Birmingham, Ala.

Application November 12, 1937, Serial No. 174,152
6 Claims. (Cl. 214—51)



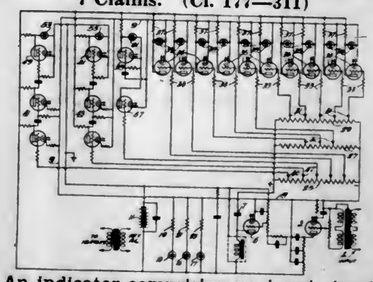
1. A rolling car dump, comprising a car receiving frame, riding ring elements carrying the frame, tracks upon which the ring elements ride to invert a car in the dump, motor driven mechanism to control the rolling movements of the dump, and hold-down means for a car in the dump connected to, and adapted to be automatically and positively applied and released by, the dump control mechanism.

2,179,101

INDICATOR

Sidney Read, Jr., Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

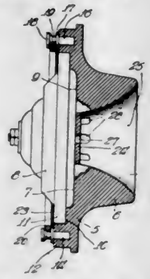
Application September 26, 1936, Serial No. 102,639
7 Claims. (Cl. 177—311)



1. An indicator comprising an input circuit, an attenuating system, means coupling said circuit and said system, a source of electric power, a plurality of thermionic tubes having input and output circuits, adjustable means connecting said tube input circuits to said attenuator system, said output circuits each including a resistor serially

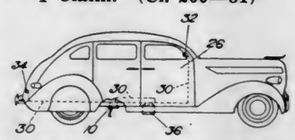
connected between the anode of said tube and said source of power, a plurality of gaseous discharge devices connected to said output circuit so that current from said source passes through said resistors and said devices, the currents through said resistor to said tube being normally sufficient to cause the voltage across said device to fall below the discharge voltage of said device, but in which a glow discharge is established by potentials of a predetermined value applied to said input circuit.

2,179,102
TELEPHONE TRANSMITTER
Alexander C. Reid, Genoa, Ill., assignor to Leich Electric Co., Genoa, Ill., a corporation of Illinois
Application August 20, 1937, Serial No. 160,134
4 Claims. (Cl. 179—187)



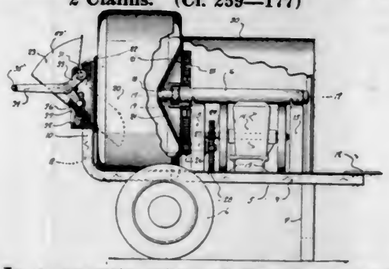
1. A combined mouthpiece and transmitter support comprising a molded body of insulating material having a thick annular rib forming a mouthpiece portion projecting from one side and a transmitter unit recess in the other side with an apertured partition between the mouthpiece opening and said recess, and means for clamping a transmitter unit into said recess, said means comprising a series of grooved posts around said recess, a spring seated in said grooves and a ring of insulating material overlying the transmitter unit and held in place by said spring.

2,179,103
SPEED INDICATOR
Valentine Rumchaks, Chicago, Ill.
Application July 14, 1937, Serial No. 153,621
1 Claim. (Cl. 200—81)



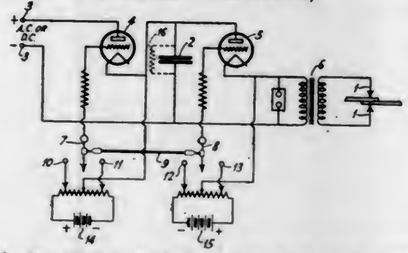
A speed indicator for automobiles, a housing, a wind vane outside of the housing and pivotally mounted in one face of the housing, an arm extending from the vane into the housing and in a fixed relationship with the vane, a spring-pressed contact point at the end of the arm, an arcuate plate inside the housing, and a series of contact points in the plate over which the end of the arm travels, together with means for adjusting the air resistance capacity of the vane, said means comprising a hinged flap at the outer edge of the vane, and means for changing the angular relationship of the flap with the vane, said means comprising an arm attached to the outer end of the flap and being adjustably positioned in slots in the vane, together with auxiliary means for adjusting the effective indicating operation of the vane, said means comprising a counter-weight slidably mounted in a slot in the rear of the vane.

2,179,104
CONCRETE MIXER
Adolph W. Rybeck, Milwaukee, Wis., assignor to T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 16, 1937, Serial No. 169,363
2 Claims. (Cl. 259—177)



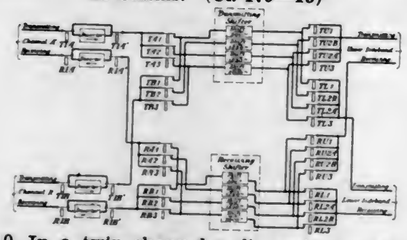
1. In a concrete mixer of the character described: a rotatable shaft; a stationary supporting structure; spaced bearings carried by the supporting structure in which the shaft revolves; one end of the shaft protruding from one of the bearings; a hub fixed to said end of the shaft and having a skirt portion extending back over the adjacent bearing and the adjacent portion of the supporting structure; and a mixing drum mounted on said hub, said mixing drum having a charging and discharging opening in one end and having its other end closed and composed of an inner wall and an outer reinforcing member both rigidly secured to the hub, the inner wall contacting the hub at its forward extremity, and the outer reinforcing member contacting the skirt portion of the hub.

2,179,105
CURRENT IMPULSE GENERATING CIRCUIT
Watson Sidney, Millburn, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 25, 1937, Serial No. 150,259
4 Claims. (Cl. 219—4)



4. An electric welding apparatus with means for supplying a high amplitude welding current wave of short duration to welding electrodes, comprising welding electrodes, a relatively large condenser, the electrodes and said condenser being coupled in a circuit through which energy stored in said condenser may be discharged through said electrodes, unidirectional current conducting means in said circuit for preventing the flow of oscillatory current in said circuit comprising a gaseous discharge device with an anode and a cathode connected in series in said circuit, means for starting a gaseous discharge in said device to discharge the energy in said condenser through said electrodes, and means for charging said condenser.

2,179,106
SECRECY SIGNALING SYSTEM
Charles C. Taylor, Manhasset, N. Y., and Sumner B. Wright, South Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 11, 1937, Serial No. 158,464
12 Claims. (Cl. 179—15)



10. In a twin-channel radio system in which there are radiated an upper and a lower side-band of relatively large width, a source of two separate messages, and means for alternately modulating one of said messages so that it appears first in one side-band region and then in the other, means for modulating the other message so that it appears in that side-band which is vacant, further means for shifting the side-bands to and away from the carrier in accordance with a prearranged time schedule.

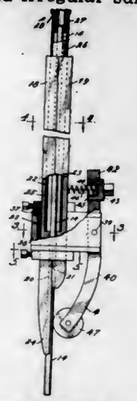
2,179,107
WASH LINE COUPLING
Kurt Vey, Brooklyn, N. Y.
Application July 13, 1938, Serial No. 219,029
2 Claims. (Cl. 24—126)



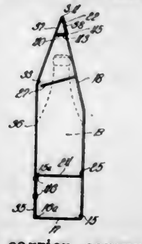
2. A clothes line coupling comprising a pair of substantially identical members mutually hinged together, said members being circularly arched and having each a sleeve on its outer end, one of said members and said sleeve thereon having a continuous arcuate floor, said last-named member having a wedge slidably mounted in its said sleeve, the roof of said sleeve of said latter member being flat, said continuous arcuate floor being concave in cross section, the top surface of said wedge being concave in cross section, the bottom of said wedge being convex in cross section and registering slidably in said continuous arcuate floor.

2,179,108
NOZZLE FOR ARC-WELDING MACHINE
Harry Westberg, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 12, 1937, Serial No. 147,929
3 Claims. (Cl. 219—8)

2. In a nozzle for an arc-welding machine adapted to direct a wire electrode of slightly irregular surface toward an arc, said nozzle comprising a bipartite apertured bar defining a feeding guide for said electrode, said guide defining portion being of electrically conductive material and having a predetermined limited area of contact with said rod, whereby the variable resistance of the path of flow from said guide-forming members through said rod by virtue of the contact of said irregular surface of said rod with said guide-forming means results in only a limited fluctuation in the arc, one of the parts of the bar extending beyond the end of the other part, resilient means carried by said bipartite bar and engaging said rod against said extended portion with a predetermined pressure whereby to further insure electrical conductivity between said bipartite apertured bar and said rod.



2,179,109
CARRIER AND DISPLAY DEVICE
Donald Payne Wheeler, Elkhart, Ind., assignor to American Coating Mills, Inc., Elkhart, Ind., a corporation of Indiana
Application October 31, 1938, Serial No. 237,817
11 Claims. (Cl. 229—52)



1. A one piece carrier comprising front and back members connected at their lower edges by a bottom wall member, and strips cut from said back and bottom wall members integral with and extending between said front and back members at the ends thereof and folded upon and secured to said front member at the inner face thereof, said strips defining with said bottom wall member and the lower portions of said front and back members a box-like body closed at its ends by said strips, said front and back members extending upward from said body and being provided with handle elements at their upper portions.

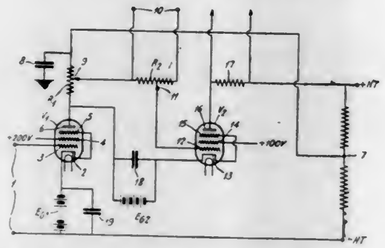
9. A carrier comprising upwardly converging front and back members, one provided with an opening and the other with a holding tab integral therewith, said other member being fur-

ther provided with an integral locking flap folded over the upper edge portion of said one member having an integral locking tab inserted through said opening and bent into substantially horizontal position, said holding tab being bent into substantially horizontal position in juxtaposed relation to said locking tab, said tabs and the upwardly converging upper portions of said front and back members together defining a handle structure of triangular cross-section the base of which is formed by said tabs.

2,179,110
CATHODE FOR ELECTRON DISCHARGE DEVICES
Emil Gideon Widell, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application August 27, 1938, Serial No. 227,068
6 Claims. (Cl. 250—27.5)

3. A cathode comprising substantially pure nickel with .02 to .05% carbon, and a coating of alkaline earth oxides on the nickel, the nickel being free of impurities which will reduce said oxides.

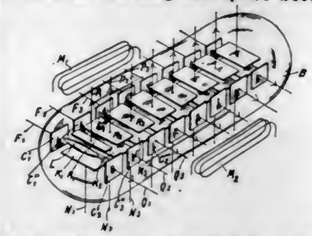
2,179,111
CATHODE RAY TUBE CIRCUIT
Arthur James Young, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 23, 1935, Serial No. 7,736
In Great Britain February 23, 1934
8 Claims. (Cl. 178—7.5)



5. An anode voltage modulated cathode ray system comprising means for simultaneously modulating the anode voltage and varying the deflection sensitivity of the cathode ray in accordance with signal energy, and thermionic control means for compensating for the varying deflection whereby the apparent deflection sensitivity remains constant.

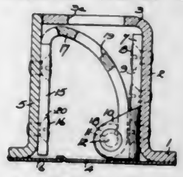
2,179,112
AMPLIFIER FOR ELECTRONS
René Barthelemy, Fontenay aux Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines A Gaz, Montrouge, Seine, France
Application August 10, 1937, Serial No. 158,350
In France August 28, 1936
8 Claims. (Cl. 250—166)

1. An electron multiplier tube comprising a succession of cathodes, a succession of accelerating electrodes parallel to said cathodes, and auxiliary electrodes adapted to be raised to a lower potential than that of the first of said cathodes, said auxiliary electrodes being mounted on either side of said cathodes and accelerating electrodes and closing the space between the



group of cathodes and the group of accelerating electrodes.

2,179,113
HINGE
Fred G. Bates, Highland Park, Mich.
Application March 18, 1938, Serial No. 196,598
3 Claims. (Cl. 16—135)



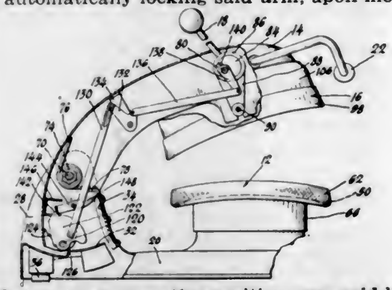
1. A hinge comprising two substantially flat plates which are parallel and in opposed spaced relation when the hinge is closed, aligned lugs formed on one plate adjacent one extremity, a member having a knuckle across its outer extremity and extending freely between the plates, and a pin extending through said lugs and knuckle, said member being curved substantially continuously away from said knuckle throughout an arc not exceeding ninety degrees and joining the side of the other plate remote from said knuckle to form an included angle of not more than ninety degrees.

2,179,114
METHOD OF MAKING SEAMLESS TUBES FROM COLUMBIUM CONTAINING AUSTENITIC CHROMIUM NICKEL ALLOY STEEL AND PRODUCT THEREOF
Vere B. Browne, Brackenridge, Pa., assignor to Allegheny Steel Company, a corporation of Pennsylvania
No Drawing. Application September 12, 1935, Serial No. 40,346
7 Claims. (Cl. 80—62)

1. The method of making seamless tubes comprising rolling or working ingots to form billets from an austenitic chromium nickel iron columbium steel or alloy containing about 16–18% chromium, about 8.5–11% nickel but where the ratio of chromium to nickel is not over 2:1, and about .3–1% columbium, the balance being substantially all iron except for the usual contaminants in common amounts, piercing the billets at 2100–2300° F. to form the tubes and thereafter finishing the tubes in required manner.

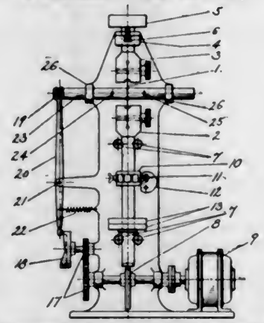
2,179,115
IRONING APPARATUS
Theodore R. Bush, Royal Oak, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application December 24, 1935, Serial No. 56,037
15 Claims. (Cl. 38—34)

1. In an ironer, a base, a buck resiliently supported thereby, an arm pivotally supported by said base, a shoe carried by said arm and cooperable with said buck, said arm being adapted for movably supporting the shoe in an operative position over said buck and in an inoperative position away from said buck, means adapted for automatically locking said arm, upon moving



said shoe to an operative position over said buck, in any one of a plurality of positions wherein the shoe is contiguous to but spaced from the buck to permit materials varying widely in thickness to be pressed between said shoe and said buck, and means for applying pressure to said shoe when the same has been moved into an operative position over said buck.

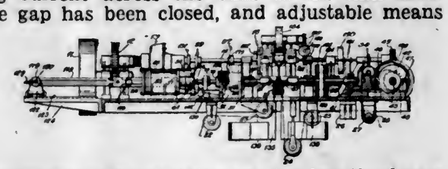
2,179,116
METHOD AND APPARATUS FOR TESTING THE FOLDING ENDURANCE OF PAPER AND LIKE MATERIALS
James d'A. Clark, Rose Valley, Pa.
Application March 13, 1937, Serial No. 130,669
6 Claims. (Cl. 73—51)



1. The method of testing the folding endurance of a strip of material which consists in folding it double about a line across its width; squeezing the strip together at the folded edge; unfolding the strip and subjecting its ends to a predetermined tension, then folding the strip double in the reverse way to the previous fold about the same line, reapplying the squeezing pressure; unfolding the strip, reapplying the tension and continuing these steps successively until the strip breaks and recording the number of double folds so made before fracture.

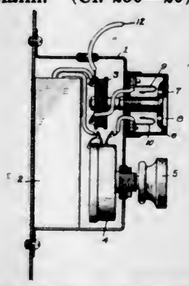
2,179,117
ELECTRIC RESISTANCE WELDING MACHINE
Howard A. Delano, Springettsbury Township, York County, Pa., assignor to American Chain & Cable Company, Inc., a corporation of New York
Application August 22, 1936, Serial No. 97,335
32 Claims. (Cl. 219—5)

32. In a welding machine, the combination of a movable thrust member operable to close the gap in a link and to compress the link during a welding operation, means for applying a welding current across the ends of the link after the gap has been closed, and adjustable means



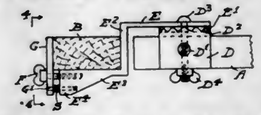
compensating for variations in the length of gaps in links, for interrupting said welding current after a predetermined definite amount of compression of said link during the link softening and wielding operation.

2,179,118
ELECTRICAL ADAPTER
Harold de Witt, Pasadena, Calif., and Frank Wilburn, Prescott, Ariz.
Application August 24, 1938, Serial No. 226,602
1 Claim. (Cl. 250—20)



The combination with an automobile radio receiving set, of an adapter for supplying high voltage current from said radio receiving set to a low power electrically actuated shaver, comprising a conductor connected to one side of said shaver and to the high voltage supply of said radio receiving set, a filtering system connected to said conductor to prevent electrical disturbances produced by the shaver from disturbing the usual functioning of the radio receiving set, a conductor for connecting the other side of said shaver to the ground and a variable resistance interposed in the last-mentioned conductor.

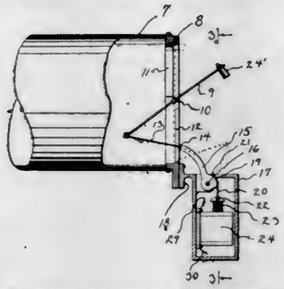
2,179,119
ADJUSTABLE LADDER
Tony Failla, Detroit, Mich.
Application March 19, 1938, Serial No. 196,958
4 Claims. (Cl. 228—23)



1. The combination with a pair of ladders of equal overall width, of channel members permanently secured to the side rails of one of said ladders; serrated discs formed integral with the webs of said channel members; brackets having serrated portions adapted to engage said discs; clamping means integral with said brackets and arranged in offset relation thereto in a position in alignment with said channel members, whereby the other of said ladders may be adjusted

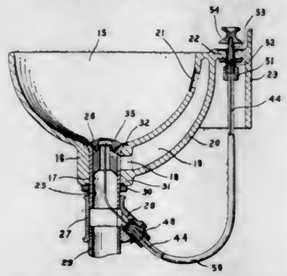
longitudinally relative to said brackets; and bolts passing through said discs and said brackets and maintaining the same in varying angular relation.

2,179,120
CONTROL DEVICE FOR HEATING SYSTEMS
Welton E. Firehammer, Oshkosh, Wis.
Application April 20, 1938, Serial No. 203,092
2 Claims. (Cl. 126—285)



1. In a furnace control, a flue pipe for the furnace having a laterally extending inlet, a damper ring connected to said inlet, a damper rockably mounted intermediate its ends in said ring for controlling said inlet, a weight secured to the damper for normally moving the damper to an open position, a housing arranged below the inlet and carried by said ring, a solenoid in said housing, a crank rockably mounted in said housing above the solenoid having an upwardly extending arm, a link pivotally connected to the lower end of the damper and to said arm, said crank also having a curved surface disposed at one side of the pivot point of the crank and at one side of the arm and above the center of the solenoid, and a flexible strap connected to said core and connected at its upper end to said curved surface.

2,179,121
WASTE FITTING FOR OUTLET VALVES
Louis Frank and Felix Klein, New York, N. Y.
Application January 24, 1939, Serial No. 252,566
3 Claims. (Cl. 4—203)

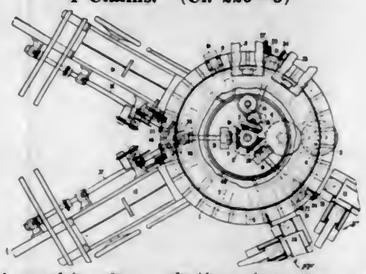


1. In combination with a tank having a drain conduit, a conical valve seat on the bottom of said tank open to said conduit, a stopper suited to said seat, a guide tube fixed in said stopper within said conduit, a bent rod entering said conduit through a lateral opening in said T fitting, said rod having its inner end disposed in said tube, a disc in said tube to guide said rod end, and means to manually raise said rod to displace said stopper, said stopper closing the passage by gravity when said rod is moved into a position remote from said stopper.

2,179,122
METHOD OF SMOKING FISH
Roy Gamble, Tacoma, Wash.
No Drawing. Application November 21, 1938, Serial No. 241,607
7 Claims. (Cl. 99—160)

1. The method of cooking fish which comprises salting the fish sides for flavor; cutting the salted fish sides into small chunks; exposing the fish chunks to a slow cooking heat in the presence of smoke; coating the hot fish chunks with oil; exposing the oiled chunks to a reduced heat in the presence of smoke; and applying a second coating of oil.

2,179,123
MACHINE FOR PACKETING CIGARETTES AND THE LIKE
George Daniel Horgan, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 29, 1937, Serial No. 156,345
In Great Britain August 1, 1936
4 Claims. (Cl. 226—5)



1. A machine for packeting cigarettes or like-shaped articles, comprising a turret ring rotatable about a vertical axis, a central drive shaft, means for driving the turret from said shaft with an intermittent motion, a plurality of radiating countershafts driven from the central shaft, and a plurality of packing units driven from the countershafts, said packing units being disposed in pairs of duplex packing units, and means to connect each unit of each pair to one of said countershafts, one unit of each pair being intergeared with its particular countershaft permanently and the other unit of each pair having a readily disconnectible driving gear set connecting said countershaft and unit.

2,179,124
BATHTUB SLIPPER
Charles J. Jesnig, Newtown Square, Pa.
Application May 7, 1938, Serial No. 206,576
7 Claims. (Cl. 36—8.1)



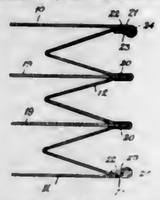
1. A device for preventing slippage to be worn on the foot having a tread of compressible material normally when uncompressed projecting further outwardly under the instep than under the ball and heel and compressible into approximately a plane under the weight of the wearer.

2,179,125
FENDER
Ivan M. Kirlin, Detroit, Mich.
Application September 27, 1937, Serial No. 165,858
2 Claims. (Cl. 114—219)



1. A fender for boats and the like comprising a substantially cylindrical, flexible but inelastic fabric casing, means constricting and securely closing the ends thereof, including a closure element at one end of said casing having an aperture therethrough, a separate inflatable bladder within said casing, inflating means for said bladder extending through said aperture, and means unattached to the bladder for supporting the casing.

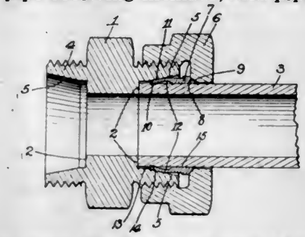
2,179,126
CASE
Abraham I. Klotz, New York, N. Y.
Application April 9, 1938, Serial No. 201,095
1 Claim. (Cl. 150—1.6)



In a case of the character described, front and rear panels, a gusset connected between the panels, one of the longitudinal edges of the gusset being secured to the inner surface of one of the panels a short distance from the side and bottom edges thereof, and a reinforcing wire member positioned around the side and bottom edges of the last-mentioned panel and abutting the longitudinal edge of the gusset, the marginal edge of said last-mentioned panel at the sides and bottom thereof being folded inwardly upon the gusset so as to cover and conceal the reinforcing member and the edge of the gusset.

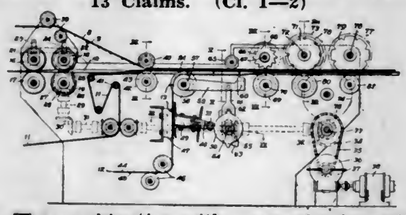
2,179,127
PIPE COUPLING
Raymond J. Lauer, Cicero, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application June 5, 1937, Serial No. 146,652
2 Claims. (Cl. 285—122)

1. A pipe coupling comprising a pipe receiving member having a screwthreaded projection into which the end of the pipe is received, said projection having an internal inclined wall, a nut fitting over said projection and having a screw-threaded connection therewith, and a pipe engaging member projecting into the projection on the pipe receiving member and having an edge which engages the pipe, the outer face of said pipe engaging member engaging the inclined face of the pipe receiving member, said pipe engaging



member being recessed on its inner face, near the pipe engaging edge and to the rear thereof and opposite the inclined face on the pipe receiving member, the inner face of the recessed portion being normally separated from the outer face of the pipe by a space, whereby when the nut is tightened the pipe engaging edge is forced inwardly and digs into the metal of the pipe so as to form a sealing shoulder thereon.

2,179,128
MACHINE FOR MAKING PLASTER GROUND
Archworth Martin, Pittsburgh, Pa.
Application June 10, 1938, Serial No. 213,088
13 Claims. (Cl. 1—2)

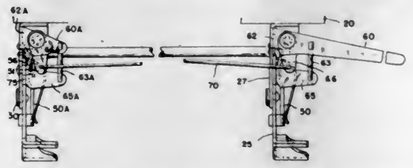


1. The combination with means for imparting advancing movement to reinforcement mesh and a backing sheet, together with longitud'nally-extending ribs disposed between the mesh and the sheet, of apparatus for connecting the sheet to the mesh, comprising means for deflecting the sheet and pressing it against the mesh, at points between the ribs, means for applying to the rear side of the sheet tie strips hav'ng longitudinally-extending strands and perpendicularly-extending tang elements, with the said strand elements disposed in proximity to the sides of the ribs and against the deflected portions of the sheet, with the tang elements projecting through the sheet and the mesh, and means for bending the tang elements across certain of the mesh elements.

2,179,129
ADJUSTABLE SUPPORT
Thomas A. McGregor, Pontiac, Mich., assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application May 16, 1938, Serial No. 208,118
7 Claims. (Cl. 155—14)

1. Means for adjustably supporting a seat or the like, comprising substantially parallel slidably overlapping track and carriage elements, means for locking said elements against unwanted slid-

ing movement and for clamping them together, comprising a combined clamping and dogging member carried by one of said elements and movable laterally of the line of sliding movement, a locking portion carried by said member projectable through a portion of and retractible

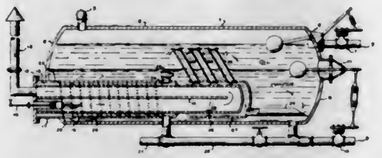


from the other of said elements to prevent longitudinal sliding movement of one element with relation to the other, and a clamping portion carried by said member and frictionally engageable with said other element to press said elements together.

2,179,130
COCOA AND SUGAR COMPOUND AND METHOD OF MAKING SAME
Herbert T. Middleton, Englewood, N. J., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 12, 1934, Serial No. 757,194
2 Claims. (Cl. 99—26)

1. Method of making a cocoa compound of the character described which comprises melting high purity dextrose with water and cooking the syrup at a temperature between 230° and 280° F. to concentrate the same to a density at which the sugar will solidify, mixing the syrup with dry powdered cocoa, allowing the mixture to form a crystallized mass in a mold, and pulverizing the crystallized mass to a fineness which will allow substantially all of it to pass through a 30 mesh screen.

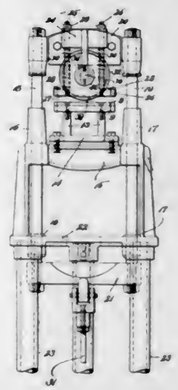
2,179,131
METHOD AND APPARATUS FOR TREATING EMULSIONS
Raymond B. Millard, Tulsa, Okla.
Application December 27, 1937, Serial No. 182,030
9 Claims. (Cl. 196—5)



1. The method of resolving oil-water emulsions which comprises, heating emulsions to a resolving temperature while flowing in a confined stream through a heating zone immersed in a body of aqueous liquid maintained in a separating zone, introducing the heated emulsion directly into said body of aqueous liquid in said separating zone to thereby heat said body of aqueous liquid to a suitable separating temperature, therein separating said emulsion into an aqueous phase which merges in said body of aqueous liquid and an oil phase which accumulates above the upper surface of said body of aqueous liquid, and thermo-siphonically circulating a confined stream of aqueous liquid from the body thereof through said heating zone to a point within said oil phase and then discharging said aqueous liquid downwardly through said oil phase and in direct contact therewith into said body of aqueous liquid to thereby maintain said body of aqueous liquid and said oil phase at said separating temperature.

3. Apparatus for treating emulsions comprising, a treating chamber, a heating chamber positioned within said treating chamber, a jacket spaced from and surrounding said heating chamber, a conduit leading from the exterior of said treating chamber into said jacket, a passageway from said jacket into said treating chamber, a vapor discharge conduit communicating with the upper portion of said treating chamber, a first discharge pipe communicating with the lower portion of said treating chamber and a second discharge pipe communicating with an intermediate portion of said treating chamber.

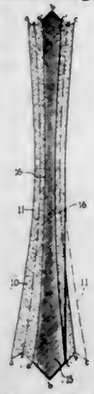
2,179,132
SHAPING MACHINE FOR SOLE-SHAPED SHOE PARTS
Walter P. Osgood, Malden, Mass.
Application January 27, 1937, Serial No. 122,559
7 Claims. (Cl. 12—21)



1. A machine for shaping a sole-shaped shoe part having, in combination, a work support having a planar work supporting surface and a concave curvature along at least a portion of at least one of its lateral edge faces, said curvature to be overlaid by the shoe part, a clamp for clamping the shoe part flatwise upon the work support, a fungiform shaping tool, and means for relatively moving the work support and the tool vertically to cause the head of the tool to bend that portion of the shoe part overlying the curvature about the curved edge thereof.

2,179,133
NECKTIE
Frank Charles Rehor, New York, N. Y.
Application May 19, 1936, Serial No. 80,491
3 Claims. (Cl. 2—146)

1. As an article of manufacture, a necktie of the character described comprising a folded tie fabric and a non-folded lining, said lining being substantially equal in size and contour to the size and contour of the completed tie, and having its opposed longitudinal edges secured to the opposed longitudinal edges of the tie fabric

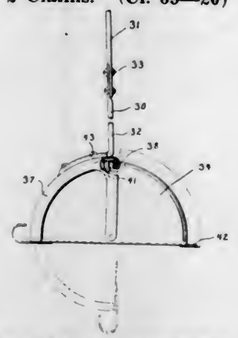


throughout to form a continuous-wall hollow casing.

2,170,134
INORGANIC LUMINOUS MATERIAL
Marcel Servigne, Paris, France, assignor to Societe pour l'Etude & l'Exploitation des Matieres Luminescentes, Paris, France
No Drawing. Application December 1, 1936, Serial No. 113,725. In Great Britain November 18, 1936
12 Claims. (Cl. 250—81)

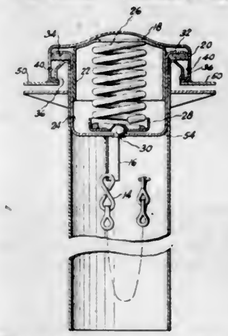
12. A luminescent substance consisting of approximately 20 parts of calcium molybdate, 5 parts of lead molybdate, one fourth of a part of lithium oxide and 75 parts of tricalcium orthophosphate.

2,179,135
DUSTPAN
Ralph I. Sheuer, Two Rivers, Wis.
Application February 11, 1938, Serial No. 189,908
2 Claims. (Cl. 65—20)



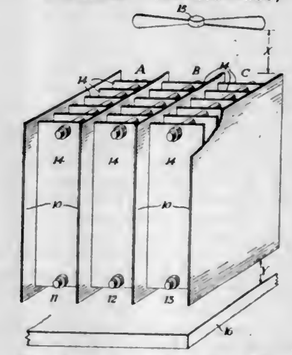
1. A sanitary dustpan comprising an arcuate cover plate having flanges formed on its side and front edges, a handle secured to the cover, a body portion rockably mounted on the cover having a front open end, a floor-engaging lip formed on the front edge of the body, a depending flange formed on the forward edge of the top wall of the body, and bumper pads carried by the flange on the cover extending beyond the opposite faces of said flange adapted to be engaged by the lip when the body is in a closed position and by the flange on the top wall of the body when the body is in an open position.

2,179,136
TANK FILLER SPOUT CAP
James M. Shoemaker, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 27, 1936, Serial No. 113,007
3 Claims. (Cl. 220—40)



3. In a filler spout closure member, a pair of telescopically associated cup-shaped members adapted to be inserted in the open end of the filler spout, a cap member secured to the inner of said telescopically associated members and provided with edge portions adapted to engage the end of said filler spout to firmly secure said inner telescopic member in position in said filler spout, a flange on said outer telescopic member adapted to overlie the end of said filler spout, a gasket carried by said flange to contact the end of said filler spout, and a spring included within said telescopically associated member to exert a force in a direction tending to separate said members and apply pressure to said gasket, the outer of said telescopically associated members being formed as a guide to assist in inserting said closure member into said filler spout.

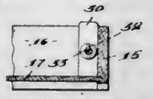
2,179,137
ALTERNATING CURRENT RECTIFIER OF THE DRY SURFACE CONTACT TYPE
Sydney Arthur Stevens and Leslie Ernest Thompson, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 9, 1937, Serial No. 147,356
In Great Britain July 1, 1936
4 Claims. (Cl. 175—366)



1. An alternating current rectifier comprising a plurality of banks of rectifier elements ar-

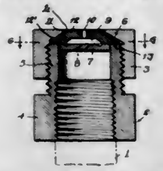
ranged side by side within a duct or passage through which cooling fluid passes and separated from each other as regards the flow of cooling fluid by insulating partitions against which the edges of the elements abut and which partitions divide the interior of the duct into a number of separate passages each containing one of said banks of rectifier elements, the elements of each bank being spaced from each other in a manner to sub-divide each passage into a plurality of secondary cell-like passages, whereby a uniform distribution of the cooling fluid is obtained and the cooling fluid is caused to come into direct contact with a large portion of the outer surface of each element.

2,179,138
FURNITURE CONSTRUCTION
Leopold Stickley, Fayetteville, N. Y.
Application April 15, 1937, Serial No. 137,085
1 Claim. (Cl. 45—77)



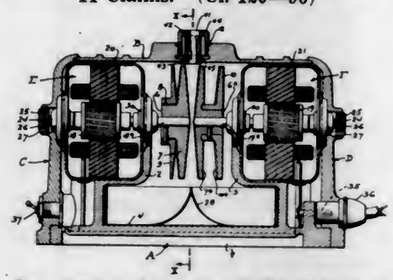
In a furniture construction, the combination of a drawer receiving frame and a drawer slidably mounted therein, said frame including a pair of spaced apart drawer supporting rails, an upper rail arranged above one side member of the drawer, a guide piece formed of wood and being arranged vertically on the inner side of said side member of the drawer adjacent the back member thereof and extending from the bottom member of the drawer upwardly above the upper edge of said side member and engaging said upper rail to maintain the drawer in horizontal position, the grain of said guide piece extending lengthwise thereof and means cooperable with said side member of the drawer and said guide piece to maintain the same in vertical position and to permit vertical expansion and contraction of the side member of the drawer relative to said guide piece.

2,179,139
OIL BURNER
Mark Strosk, Washington, D. C.
Application December 15, 1938, Serial No. 245,886
4 Claims. (Cl. 299—120)



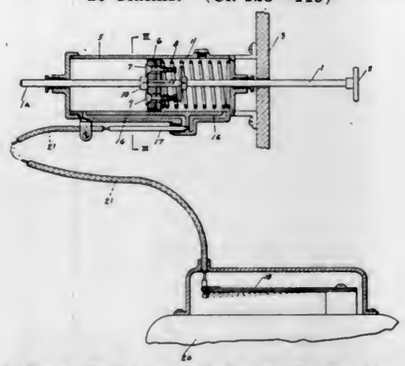
1. An oil burner of the character described including a burner body having an oil inlet at one end and a plurality of oil outlets at the opposite end, said outlets comprising a plurality of diagonal tangentially arranged passageways at an angle of approximately twenty degrees with a plane perpendicular to the axis of the burner with the discharge ends of the passageways arranged in a circle spaced from a central point, a nozzle block arranged against the end of said burner body, said nozzle block having a central outlet and an uninterrupted open whirling mixing chamber having a flat top and a flat bottom, said top and bottom being arranged parallel, said nozzle block having a shoulder surrounding the same and positioned to overlap somewhat the outlet end of said passageways, said block having an outlet opening which is proportional to the size of the whirling and mixing chamber and the position of said shoulder being arranged so that the outlet opening is of given size and said shoulder overlaps and closes a certain proportion of the discharge ends of said passageways, and means for clamping said nozzle block in functioning position.

2,179,140
PENCIL SHARPENER
Edgar L. Theobald, Oakland, Calif.
Application June 15, 1938, Serial No. 213,779
11 Claims. (Cl. 120—96)



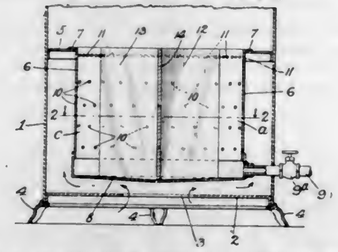
9. In a pencil sharpener of the character described a main housing, a motor housing enclosed by the main housing, said motor housing having a rotor and a shaft and the rotor and shaft having a limited longitudinal movement in the motor housing, an abrasive disc secured on the motor shaft, said disc having a beveled surface to engage and point the end of a pencil, said disc, rotor and shaft moving longitudinally within the motor housing when pressure is exerted by a pencil against the beveled surface of the disc, and magnetic means resisting longitudinal movement of the rotor, shaft and disc.

2,179,141
CHOKE CONTROL
James D. Thompson, Eureka, Calif.
Application April 28, 1939, Serial No. 270,562
10 Claims. (Cl. 123—119)



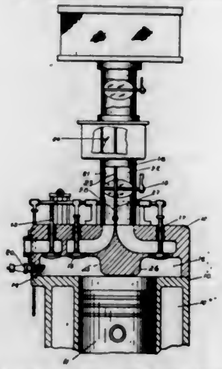
1. In a choke control device for an internal combustion motor, a manually operative choke closing device that is equipped with a spring to restore it to open position when released, a hydraulic check that is operatively set to oppose the spring and means controlled by the temperature of the motor that are effective to modify the action of the hydraulic check according to motor temperature.

2,179,142
HYDROCARBON BURNER
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application October 20, 1937, Serial No. 169,960
7 Claims. (Cl. 158—91)



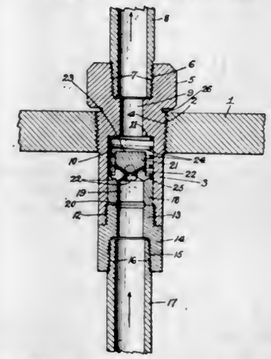
1. In a hydrocarbon burner, a mixing chamber including a circumferential side wall having formed therein primary and secondary air apertures, a bottom for said mixing chamber, generally vertical partition means dividing the interior of said chamber into a plurality of separate spaces, each of said spaces having a horizontal cross sectional area sufficiently small in relation to the height of such space substantially to prevent down drafts or eddies during combustion, and means for directing a hydrocarbon into one of said spaces, said partition means being adapted to permit excess hydrocarbon to flow into the other spaces.

2,179,143
INTERNAL COMBUSTION ENGINE
Thomas Edgar Brown, Hamilton, Ontario, Canada
Application February 9, 1939, Serial No. 255,416
6 Claims. (Cl. 123—75)



1. In an internal combustion engine, a cylinder block having a bore, a piston therein, a cylinder head having a primary combustion chamber on one side of said head and a secondary combustion chamber on the other side thereof, a wall separating said chambers, an intake valve for the primary combustion chamber through which is admitted a combustible mixture having insufficient air for complete combustion, an intake valve for the secondary combustion chamber through which is admitted a volume of air in excess of the amount required for the complete combustion of the combustible mixture, and an adjustable valve for increasing the air content of the combustible mixture.

2,179,144
EXCESS FLOW CHECK VALVE
William C. Buttner, Winnetka, Ill., assignor to The Bastian-Blessing Co., Chicago, Ill., a corporation of Illinois
Application August 7, 1937, Serial No. 157,915
1 Claim. (Cl. 137—153)

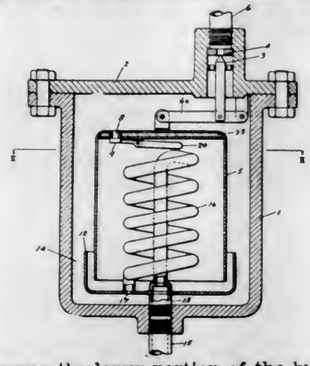


An excess flow valve assembly adapted for insertion through an aperture in a tank wall, and including a housing having a longitudinal uniform bore, a hollow valve plunger slidable in said bore, and including a guide portion conforming generally to said bore, said plunger having seating portions at each end thereof, the outer of said seating portions being solid, the inner of said seating portions having an aperture therethrough, said plunger having a communicating aperture extending from its hollow interior, and in communication with the interior of the cylindrical bore beyond the plunger, a fluid passage member adapted to have one end in communication with the interior of a tank and the other in communication with the interior of the cylindrical bore and aligned with the aperture of said last mentioned seat, said housing having a passage in its outer end in communication with said bore on the outer side of said plunger and circumferential seats for said passage and passage member, said solid plunger seat being adapted to close the passage in the outer end of the housing when the plunger is moved against the associated circumferential seat, yielding means adapted normally to hold said plunger in the opposite direction, said yielding means being of sufficient strength normally to hold said plunger with its apertured seat against the seat surrounding the passage member, with the interior of the plunger in communication with the passage in the outer end of the housing, but of insufficient strength to resist closing movement of said plunger in response to predetermined excess pressure within the tank.

2,179,145
STEAM TRAP
Theodore W. Clark, Portland, Oreg., assignor to Clark Manufacturing Company, Cleveland, Ohio, a corporation
Application October 25, 1938, Serial No. 236,906
9 Claims. (Cl. 137—103)

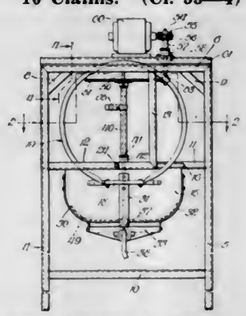
1. A steam trap comprising a body provided with inlet and outlet connections, an inverted

bucket in said body, an outlet valve controlled by said bucket, a deflector bell made rigid with the lower part of the body in such manner as



to submerge the lower portion of the bucket and a heat exchange means connected to the inlet means to extend within the bucket and discharge below the deflector bell.

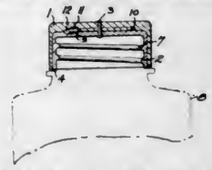
2,179,146
CORN POPPER
Carroll A. Dondanville, Chicago, Ill.
Application August 1, 1938, Serial No. 222,384
10 Claims. (Cl. 53—4)



1. In a corn popper, a frame, a container, means pivotally supporting said container on said frame, whereby the container may be rotated from popping to dumping position and vice versa, a shaft supported on said container, an agitator mounted on said shaft within the container, a gear mounted on said shaft outside the container, a second gear wheel adapted to be engaged by said first gear wheel when the container is in popping position and disengaged when the container is rotated toward its dumping position, and means for continuously rotating the second gear wheel independent of the position of said container.

2,179,147
BOTTLE CLOSURE
Stanley J. Genei, Wyandotte, Mich.
Application March 20, 1939, Serial No. 262,856
3 Claims. (Cl. 215—9)

1. A bottle closure comprising an inner and an outer cap, means holding the caps to one another for independent rotation, means carried by the inner cap for engaging the neck of a bottle, one cap having an annular groove formed therein and a slot extending from the groove, the other cap having a second slot formed therein registering with a portion of said groove at all times and adapted to register with the first named slot, a locking member partly in said second slot and normally extending into the annular groove to



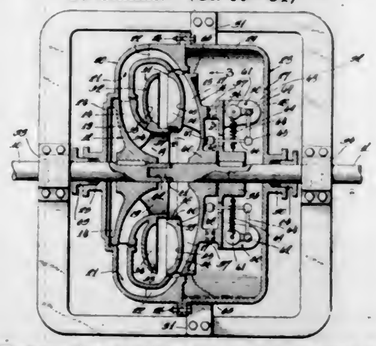
permit independent rotation of the caps, the locking member being adapted to move longitudinally in both the slots when the latter are in registry to lock the caps against independent rotation.

2,179,148
UPHOLSTERY
Carl Hugo Gerlofson, Chicago, Ill., assignor to Cushion-Aire Corporation, Chicago, Ill., a corporation of Illinois
Application July 19, 1937, Serial No. 154,472
9 Claims. (Cl. 155—179)



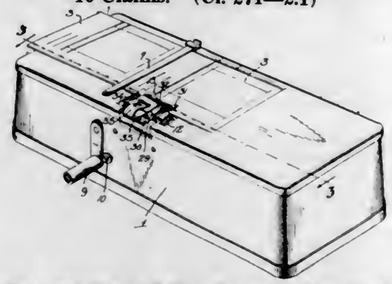
4. In combination in a cushion, a main surface member, a plurality of downwardly disposed hollow fingers supporting said surface member, perforations in the lower ends of said fingers, a frame and a perforate bottom attaching means securing said fingers to said bottom, the said fingers being secured to said bottom by said attaching means which engage the bottom and the finger, penetrate into it and serve as a valve to control the passage of air through the perforation in said finger, said fingers being of tapered shape from the surface member downwardly and provided with a reinforcing and thickening flange adjacent their upper ends.

2,179,149
POWER TRANSMITTING MEANS
Otto Gruenberger, Milwaukee, Wis.
Application June 20, 1935, Serial No. 27,533
37 Claims. (Cl. 60—54)



1. Power transmitting means, comprising: driving and driven means; hydraulic torque multiplying means for transmitting power from said driving to said driven means; a hydraulic clutch including elements associated with said driving and driven means respectively; and means whereby during the starting from rest of said driven means the power available from said driving means is transmitted from said driving to said driven means substantially entirely through said hydraulic torque multiplying means and then as the speed of said driven means increases above a predetermined value the transmission of power is gradually automatically transferred from through said hydraulic torque multiplying means to through said hydraulic clutch said gradual transfer varying as said speed so that the amount of transfer is dependent upon the amount of speed increase.

2,179,150
PIN FEED ATTACHMENT FOR AUTOGRAPHIC REGISTERS
Louis F. Hageman, Niagara Falls, N. Y., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application April 8, 1937, Serial No. 135,731
10 Claims. (Cl. 271—2.1)



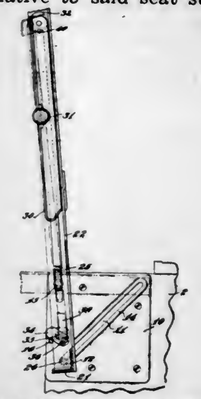
1. In a machine of the character described, in combination, a flat platen adapted to support strips being fed, strip feeding mechanism including a flexible carrier band having connected sections and having a curved part and a strip feed part lying along the path of strip feed and merging with said curved part, and a succession of feed pins mounted on said carrier band and adapted to engage and feed the strips, the strip engaging feed transmitting sections of said pins being disposed in a plane inside that of the line of connection of said carrier sections, and the strip supporting face of said flat platen being disposed in a plane inside that of said line of connection.

2,179,151
MOTOR FUEL
James W. Jean, Pasadena, Calif.
No Drawing. Application September 13, 1937, Serial No. 163,609
1 Claim. (Cl. 44—9)

A fuel, employing a mixture of ingredients fermented and distilled from fermentable products, consisting of butyl alcohol 38 parts, ethyl alcohol 10 parts, acetone 30 parts, turpentine 4 parts and benzol 18 parts.

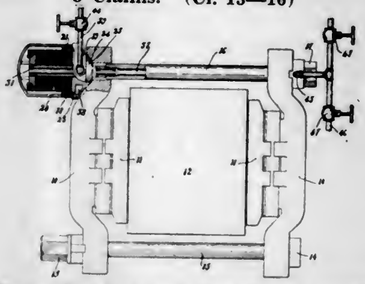
2,179,152
CONVERTIBLE COUCH
Gustave A. Johnson, Weymouth, Mass., assignor to New England Bedding Company, Medford, Mass., a corporation of Massachusetts
Application June 19, 1937, Serial No. 149,108
5 Claims. (Cl. 5—38)

1. An article of furniture comprising a seat structure having adjacent to each end guiding means and a fixed abutment, a back rest pivotally and slidably mounted on said seat structure so as to be swung to a horizontal position, said back rest having guiding means cooperating with those of said seat structure and arranged releasably to hold said back rest in upright position, said guiding means being constructed and arranged to release said back in response to a slight upward movement relative to said seat structure so as



to permit said back rest to be swung downwardly to horizontal position, foldable legs carried by said back rest and operative when extended to support the back rest in horizontal position when swung downwardly, and means including links connecting the legs and back rest and engageable with said abutments and operative to move said back rest upwardly when said legs are extended, thereby to release said guiding means and permit the back rest to be swung to horizontal position.

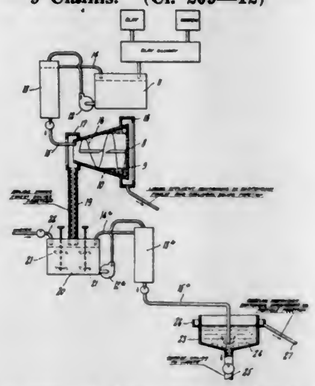
2,179,153
ELECTRODE CLAMP
Robert R. Jones, Akron, Ohio, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio, a corporation of Ohio
Application October 8, 1938, Serial No. 234,010
5 Claims. (Cl. 13—16)



1. In combination with an electrode holder including clamp members and a tension bolt located through said clamp members, a nut upon one end of the tension bolt engaging the outer side of one clamp member, a clamping head slidable upon the other end of the bolt engaging the outer side of the other clamp member, a piston within said clamping head, a piston rod connected at opposite ends to the piston and to the tension bolt, spring means co-operating with the piston for normally urging the clamping head against the adjacent clamp member for clamp-

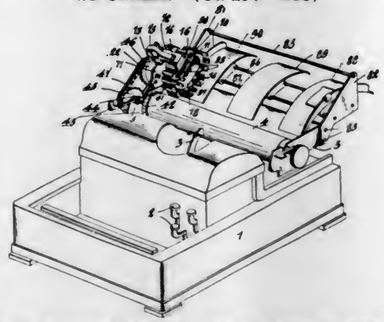
ing the clamp members upon an interposed electrode, and means for circulating fluid through the clamping head and means for building up the pressure of the fluid to act against the piston for releasing the spring means.

2,179,154
FRACTIONATION OR CLASSIFICATION OF FINELY DIVIDED SOLIDS
Sanford C. Lyons, Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass., a corporation of Massachusetts
Application February 2, 1938, Serial No. 188,347
9 Claims. (Cl. 209—12)



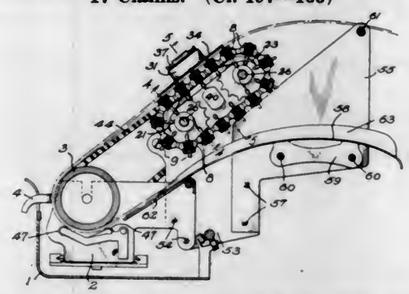
1. A process of fractionating finely divided solid material of widely varying particle size, including a fraction of such fine particle size as tends to interfere materially with selective gravitational settling of coarser particles from an aqueous suspension of such material, which comprises centrifuging an aqueous suspension of such material to deposit centrifugally substantially all but the very finest particle fraction, resuspending the centrifugally deposited fraction in water, and gravitationally settling from the resulting suspension the coarsest particle fraction while maintaining above and removing from the gravitationally settled fraction an aqueous suspension of the intermediate-size particle fraction.

2,179,155
STRIP FEEDING AND CONTROLLING MECHANISM FOR TYPEWRITING MACHINES
Carl R. Mabon, Niagara Falls, N. Y., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application September 8, 1936, Serial No. 99,789
23 Claims. (Cl. 197—133)



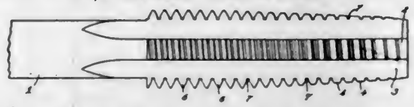
1. In a recording machine for feeding and controlling record strips, the combination of a series of pins adapted to enter and to feed the strip and movable in a path intersecting the strip and into and out of said path, each of a plurality of said pins mounted for rotative movement on its longitudinal axis, and means for rotating said pins.

2,179,156
TYPEWRITING MACHINE
Carl R. Mabon, Niagara Falls, N. Y., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application September 25, 1936, Serial No. 102,553
17 Claims. (Cl. 197—133)



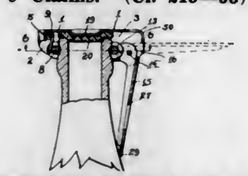
1. In a machine of the character described in combination, strip feeding mechanism comprising a series of axially slidable feed pins adapted to enter and feed a strip, a flexible chain on which said pins are mounted, carrying means for said chain, and means for thrusting said pins into strip engagement and for withdrawing the pins from such engagement during movement of said chain, each alternate link of the chain having a lateral extension provided with upper and lower apertured members the apertures of which are engaged by the pin of the link.

2,179,157
TAP, AND METHOD OF USE IN MAKING LOCK NUTS
Robert A. MacDonald, Greenwich, Conn., assignor to Russell Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y., a corporation of New York
Application August 13, 1938, Serial No. 224,725
4 Claims. (Cl. 10—86)



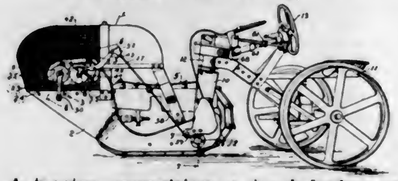
1. A tap for use in threading a nut blank having an opening with portions thereof of different diameter, said tap comprising a plurality of lands and clearance grooves separating said lands, cutting teeth formed on said lands and arranged helically of the body of the tap, the diameter of the tap at the bottom of the body portion of the teeth being equal to the diameter of the larger portion of the blank whereby the body portion of the teeth function to cut normal threads in the larger portion of the opening in the nut blank, the body of the tap being provided with undercut portions at the bottoms of the teeth providing cutting means operable in the portion of the blank of smaller diameter to form extensions on the tops of the teeth of the nut in that portion of the nut blank.

2,179,158
BOTTLE SEAL
Paul J. Marks, Rochester, N. Y.
Application December 23, 1935, Serial No. 55,704
9 Claims. (Cl. 215—38)



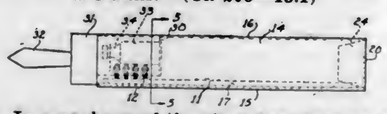
1. A bottle seal comprising a cap, a boss formed on the under side of said cap, a pair of antifriction rollers laterally movable on the under side of said cap, a sealing disc interposed between said rollers and said boss, yielding means operating against one of said antifriction rollers and cam means operating against the other of said antifriction rollers to clamp a bottle neck between them and hold said sealing disc compressed on top of the bottle neck with said boss forcing a portion of said sealing disc into the bottle neck.

2,179,159
TRACTOR
James H. McCollough, Alameda, Calif., assignor to Universal Engine & Propeller Company, a corporation of California
Application April 21, 1937, Serial No. 138,160
2 Claims. (Cl. 180—1)



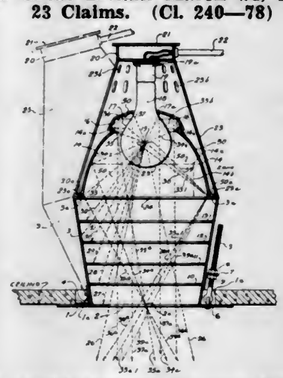
1. A tractor comprising, a track-laying pulling unit having a forwardly overhanging power plant operatively associated therewith, an upstanding steering column pivotally connected thereto on a horizontal axis disposed in close proximity to the rear and lowermost portion thereof, and a ground engaging unit connected to the upper part of the column.

2,179,160
TOOTH BRUSH DISPENSING PACKAGE
Joseph D. Peters, Bridgeport, Conn.
Application April 7, 1937, Serial No. 135,448
2 Claims. (Cl. 206—15.1)



1. In a package of the class described, an elongated container, a tooth brush having bristles on one end portion, said brush located in and with its back against an edge wall of the container whereby the bristles of the brush project toward the longitudinal center of the container and are located immediately inwardly of one end thereof, an extension on said end of one side wall of the container and folded into the container against said side wall thereof and extending only along the bristle carrying portion of the brush and then across the container over the brush handle immediately in the rear of the brush bristles and then out through said end of the container whereby on the end of said extension being pulled to draw the extension out of the container the brush bristles are engaged by the extension and the brush is drawn outwardly of the container.

2,179,161
ILLUMINATING DEVICE
Edward Rambusch, Brooklyn, and Victor G. Anderson, New Rochelle, N. Y., assignors to Rambusch Decorating Company, New York, N. Y., a corporation of New York
Application August 18, 1938, Serial No. 225,548
In Great Britain March 24, 1938
23 Claims. (Cl. 240—78)



5. In a combination of the type described, an apertured wall, a housing supported by and hidden behind said apertured wall, a reflector supported within said housing in spaced-apart relation to said aperture; said reflector having a zone-like upper paraboloidal reflecting surface, a zone-like intermediate spherical reflecting surface and a zone-like lower ellipsoidal reflecting surface, all with the axis of the paraboloidal reflecting surface, one of the radii of the spherical reflecting surface and the major axis of the ellipsoidal reflecting surface being collinear with the center axis of the said reflector, and with the focus of the paraboloidal reflecting surface, the center of the spherical reflecting surface and one of the foci of the ellipsoidal reflecting surface being coincident at a single common point on the said common axis, while the conjugate focal point of the ellipsoidal reflecting surface falls substantially at the center of the aperture in said wall and on the said common axis; said reflector being further characterized in that the greatest diameter of the paraboloidal reflecting surface, the smallest diameter of the spherical reflecting surface and the smallest diameter of the ellipsoidal reflecting surface are substantially equal, while the upper edge of the ellipsoidal reflecting surface extends above the aforementioned common focal point, a standard lamp, means carried by said housing for supporting and energizing said lamp, and means for adjusting the position of said lamp so that the theoretical light center thereof falls substantially at the aforementioned common focal point.

2,179,162
MOUNTING FOR ROCK DRILLS
Led L. Richardson, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application May 15, 1939, Serial No. 273,593
4 Claims. (Cl. 255—51)

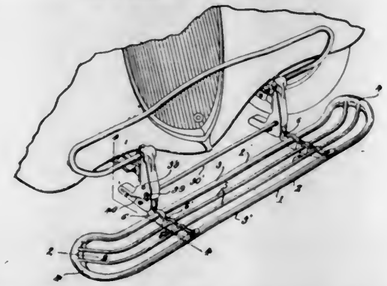
1. A mounting, comprising in combination with

a rock drill, a support, a carriage slidable on the support, means carried by one end of the carriage enabling a detachable connection between the carriage and the rock drill, a pair of rock drill



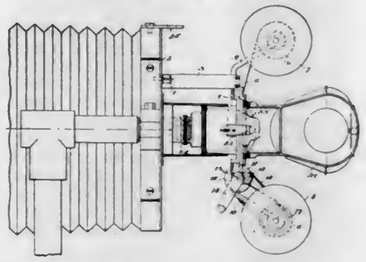
clamping jaws pivotally carried by the other end of the carriage, and spring means automatically effecting the clamping engagement of said jaws with the rock drill immediately after insertion of the rock drill between said jaws.

2,179,163
PICKUP FENDER
August A. Roth, Baltimore, Md.
Application February 26, 1936. Serial No. 65,779
18 Claims. (Cl. 293—42)



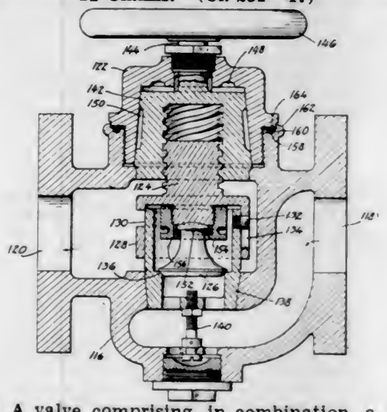
17. In a pickup fender of the type described having a basket and thrust means supporting the basket, the first means being adapted to swing from a normal raised to a pickup position of the basket on the receipt of a backward thrust, a marker to engage the road in pickup position of the basket.

2,179,164
ATTACHMENT FOR PHOTOCOPY MACHINES
Edward R. Sabel, Rochester, N. Y., assignor to The Haloid Company, Rochester, N. Y., a corporation of New York
Application September 10, 1938, Serial No. 229,232
5 Claims. (Cl. 88—24)



1. The combination with a photocopy machine including a front plate having a projection opening therein, of a supporting member attachable to the front plate above said projection opening, a carrier frame pivotally secured to said supporting member, said carrier frame including upwardly and downwardly extending arms, film supporting spools mounted on said arms, film winding means on the carrier frame, a lamp housing pivotally mounted on the carrier frame on one side of the film, a condensing lens in said lamp housing, a projecting lens and lens barrel on the other side of said film, said lens barrel being positionable in the projection opening in said front plate, and the carrier frame being shiftable on said supporting member to an upward position for projecting an image from the film downwardly.

2,179,165
VALVE
George Sifkovitz, Saegerstown, Pa., assignor to The George Valve Company, Saegerstown, Pa., a corporation of Delaware
Application September 13, 1935, Serial No. 40,377
11 Claims. (Cl. 251—47)

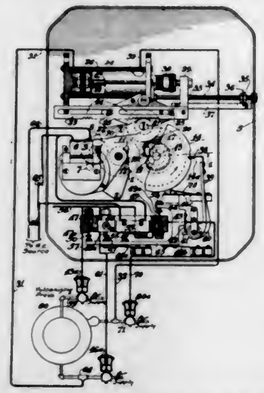


2. A valve comprising, in combination, a casing, a valve seat therein, a rotatable valve stem member in said casing having a valve head engageable with said valve seat, a second rotatable member in said casing, a spiral drive coupling said members together and operable upon relative rotation of the members to bodily move said valve stem member longitudinally and seat said valve head upon said valve seat with a force sufficient to cut off the flow of fluid thereby, said casing having an internal wall surface extending around the axis of rotation of said members, one of said rotatable members having a circular part frictionally engaging said wall surface of the casing and yieldingly restraining the member from rotation, means for rotating the other of said members, said frictional contact between said restrained member and said wall surface of the casing preventing rotation of the former while the other member is rotated until said valve head is seated upon said valve seat with a force greater than the force which is necessary to rotate said restrained member at which time both members will rotate and further longitudinal advance of said valve stem member is ended.

2,179,166
APPARATUS FOR CONTROLLING INDUSTRIAL PROCESSES
John R. Stricklen, Akron, Ohio, and Edward B. Foote, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application August 15, 1936, Serial No. 96,190
6 Claims. (Cl. 161—7)

1. In apparatus of the character described, the

combination with a timing cam and mechanism to be controlled thereby in accordance with a desired timing cycle, means for driving the cam through a given timing cycle at a given rate, means including a reversible motor for independently driving said cam in one direction at a



faster rate through a portion of the timing cycle whereby the duration of the cycle can be reduced to a predetermined interval, said mechanism including means controlling the actuation of said motor in one direction for driving said cam and the actuation of said motor in the reverse direction to a normal position.

2,179,167
METHOD OF MAKING STEEL
James C. Vignos, Canton, Ohio, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio, a corporation of Ohio
No Drawing. Application February 5, 1937, Serial No. 124,281
4 Claims. (Cl. 75—45)

1. The process of treating ferrous metals which comprises forming a bath of molten ferrous metal having a higher carbon content than desired in the base metal to be produced, oxidizing this bath of metal until the carbon content is lowered to approximately .05% to .50%, then forming a separate bath of molten oxidizing slag containing sufficient oxide to appreciably reduce the carbon content in the metal and incapable of eliminating an appreciable amount of phosphorus, intermixing the molten metal containing the above mentioned amount of carbon with the molten oxidizing slag whereby a reaction is set up between the slag and the carbon in the metal causing a reduction of the carbon content in the metal accompanied by a strong evolution of gas, and eliminating from the metal and absorbing by the slag the manganese, silicon and similar oxidizable elements that are oxidized, and separating the metal from the slag, producing a base metal lower in carbon, higher in iron oxide, and substantially free from other impurities.

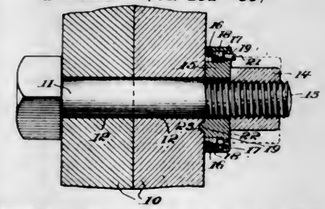
2,179,168
PRINTING MEDIUM
Elias Alexander, London, England
Application April 4, 1938, Serial No. 200,034
In Great Britain April 6, 1937
6 Claims. (Cl. 283—6)

2. A display device, comprising a surface bearing a printed design, and a covering skin concealing part of said design, said skin being composed of a rubber latex medium applied by print-



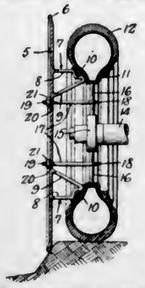
ing and adapted for removal by rubbing in a dry state.

2,179,169
LOCKWASHER
Alfred Anderson, Minneapolis, Minn.
Application December 21, 1937, Serial No. 181,036
1 Claim. (Cl. 151—35)



A lockwasher comprising a disc having an axial bolt receiving opening, there being openings in the washer concentric with the bolt receiving opening and opening through both faces of the washer, one end of each opening being threaded and the other end being reduced in diameter and smooth, said openings being arranged in pairs, the openings of each pair being disposed in opposite sectors in the washer, and short screws of an over all length of the thickness of the washer each having a threaded portion engaged in the threaded portion of a respective opening in said washer and having a reduced smooth stem disposed in the reduced smooth portion of the respective opening, there being kerfs in each end of each screw to receive a screwdriver for manipulating the screw from either end.

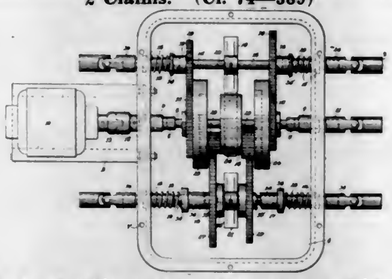
2,179,170
TRACTOR WHEEL ATTACHMENT
Le Roy Bahensky, Palmer, Nebr.
Application April 6, 1938, Serial No. 200,545
2 Claims. (Cl. 301—38)



1. In combination with a spoked tractor wheel having a rim, a disk fashioned with axially inwardly extending spacing members engaging the rim of said tractor wheel and effecting spacing of said disk therefrom in braced condition, and fastening devices connecting said disk to the spokes of said wheel, said disk of a larger diam-

eter than the outside diameter of said wheel to maintain said wheel on a ridge by engagement of the disk with the side of said ridge.

2,179,171
VARIABLE SPEED TRANSMISSION MECHANISM
Anton Frank Boho, Newark, N. J.
Application December 18, 1937, Serial No. 180,538
2 Claims. (Cl. 74—389)



1. A variable speed transmission mechanism comprising a power actuated shaft, a pair of transmission shafts mounted in spaced parallel relation and on opposite sides of said power shaft, an internal gear and a spur gear fixed on said power shaft, a wide faced pinion rotatable on a fixed axis in mesh with said internal gear, a spur gear meshed with said wide faced pinion and freely rotatable on one of said transmission shafts, manually operable means to clutch the last named spur gear to its shaft, a pinion slidably keyed on the other of said transmission shafts to move relative to the spur gear on said power shaft, and manual means to shift said last named pinion, whereby said transmission shafts may be driven at a speed unlike one another and varying from the speed of said driving shaft in a predeterminable relation.

2,179,172
FOLDED SHEET FOR MAPS, TIMETABLES, AND THE LIKE
Claud Bonnaire, London, England
Original application August 8, 1933, Serial No. 684,149. Divided and this application July 8, 1937, Serial No. 152,662. In Germany August 9, 1932
5 Claims. (Cl. 283—62)



1. A sheet of material having imprinted on the back and front thereof a diagrammatic representation such as a map, which is folded into a number of superposed sections along substantially parallel fold lines, and folded again into a number of sections along fold lines substantially parallel to one another but transverse to the first set of fold lines, the fold lines of the first set being spaced apart to produce sections of varying widths, at least some of the lower sections having marginal strips exposed, the exposed strips including at least one strip from the front and at least one strip from the back of the sheet.

2,179,173
SCAFFOLD HANGER
Frederick Boomgarden, German Valley, Ill.
Application March 21, 1939. Serial No. 263,279
3 Claims. (Cl. 304—19)

1. A scaffold hanger comprising a hook, a jaw rockably mounted on one end of said hook, an elongated housing integral with the other end of the hook, a rack bar slidably mounted in the housing, a head on one end of said rack bar, a jaw rockably mounted on said head and opposed to the first named jaw, another rack bar slidably

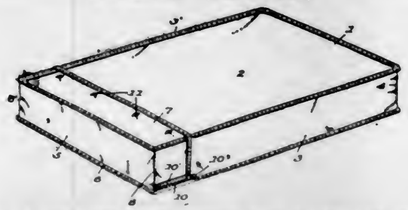


mounted in the housing and adapted for connection with a scaffold, and gears journalled in the housing and meshed with the rack bars and constituting means for moving the first named rack bar toward the first named jaw when the second named rack bar is moved in the opposite direction.

2,179,174
SULPHONATES OF MINERAL OIL EXTRACTS AND METHOD OF MAKING
Robert L. Brandt, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application June 4, 1938, Serial No. 211,946
14 Claims. (Cl. 260—504)

1. The process of preparing sulphonic acids which comprises treating a hydrocarbon material removed from a mineral oil by solvent extraction with a preferential solvent that tends to dissolve certain constituents of the oil and not to dissolve others, the constituents which the solvent tends to dissolve being generally those of an unsaturated nature including those of an aromatic nature, with a sulphonating agent while in solution in liquid sulphur dioxide for a period not exceeding fifteen minutes.

2,179,175
MATTRESS COVER
Louis Cohen, Jr., Pittsburgh, Pa.
Application December 28, 1936, Serial No. 117,993
8 Claims. (Cl. 5—354)



1. A mattress cover comprising a bag-like portion open at one end and a closure for said end, said closure being hinged at one edge thereof to one side of the cover and having a depend-

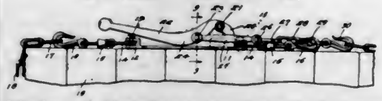
ing portion adapted to embrace snugly the other three sides of the cover, the side walls formed by said depending portion being attached adjacent the aforementioned cover side with separable fastening means extending substantially from said edge.

2,179,176
APPARATUS FOR WELDING PIPES AND TUBES
Jerry Jay Dunn, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
Application March 1, 1937, Serial No. 128,515
5 Claims. (Cl. 219—6)



5. Apparatus for deoxidizing and heating the opposed edge surfaces of a longitudinally moving hollow metallic work-piece having a longitudinally extending seam gap, said apparatus comprising a chamber having spaced inlet and exit openings through which the work-piece is adapted to move, feed rolls adjacent the inlet opening of said chamber, delivery rolls adjacent the exit openings of said chamber, at least one pair of electrodes extending into said chamber and disposed longitudinally with respect to the line of travel of the opposed edge surfaces of said work-piece and in alignment therewith but spaced therefrom, said electrodes being connected to a source of electric current to convey an electric current to and away from the opposed edge surfaces of said work-piece by means of an arc and cause the current to flow along the same intermediate said electrodes, means for directing a flow of deoxidizing gas across the opposed edge surfaces of said work-piece, and means for tensioning the portion of said work-piece in said chamber to bring the opposed edge surfaces into contact while in said chamber, said means comprising means for rotating said delivery rolls at a higher rate of speed than said feed rolls.

2,179,177
LOAD BINDER
Silas Melvon Evans, San Luis Obispo, Calif.
Application December 15, 1938, Serial No. 245,958
1 Claim. (Cl. 254—78)



A binder of the character described, comprising a flat elongated plate forming a shoe having bifurcated ends, the bifurcations thereof being transversely of the plate, separable fasteners engaged in the bifurcated ends, hooks having swivel connections releasably fitted with said fasteners, a lever pivoted for vertical swinging movement on said shoe, a yoke pivoted to said lever remote from its axis of swing, a pull eye pivoted to said yoke with a pivotal connection thereto parallel with the pivotal connection of the yoke with the lever, and a draw hook having swivel connection with the pull eye.

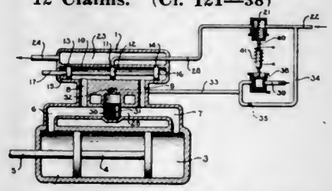
2,179,178
SHOE ATTACHMENT
Helmer Farlin, Clatskanie, Oreg.
Application March 3, 1939, Serial No. 259,657
2 Claims. (Cl. 36—64)

1. A dismountable creeper for shoes including a top plate and a bottom plate resiliently held one to the other, hobs carried by said bottom plate, and an adjustable clamping means carried by said



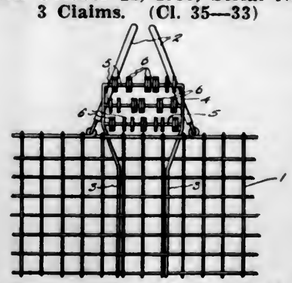
top plate, whereby said creeper may be attached to the sole of a shoe.

2,179,179
SERVOMOTOR FOR THE REMOTE CONTROL OF AIRCRAFT
Eduard Fischel and Johannes Thiry, Berlin-Charlottenburg, Germany, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application November 24, 1937, Serial No. 176,385
In Germany November 26, 1936
12 Claims. (Cl. 121—38)



1. A servomotor, comprising a control member, a cylinder having a pair of pressure fluid chambers reversibly actuating said control member, a pressure fluid supply line supplying fluid under pressure to said chambers, a pressure fluid by-pass interconnecting said chambers and adapted, when open, to permit free operation of said control member, a fluid pressure actuated valve closing said by-pass, means supplying fluid under pressure to said chambers, a pressure fluid said valve, means controlling said supply of fluid, means controlling the supply of fluid to said chamber, and means for simultaneously operating said control means to cut off the supply of said pressure fluid to said chambers when said valve is actuated towards open position.

2,179,180
BASKET
Bruce Frazier, Big Spring, Tex.
Application October 11, 1938, Serial No. 234,500
3 Claims. (Cl. 35—33)



1. In a device of the class described, a basket,

a supporting member having a part extending outwardly above the upper edge thereof, horizontal bars carried by said outwardly extending part and disks slidably arranged on each bar.

2,179,181

CELLULOSE SOLUTIONS AND PROCESS OF MAKING SAME

Charles Graenacher, Basel, and Richard Sallmann, Arlesheim, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application April 1, 1937, Serial No. 134,454. In Switzerland April 21, 1936

12 Claims. (Cl. 106—40)

1. Process for the manufacture of solutions of cellulose, consisting in dissolving cellulose in a liquid consisting of oxides of tertiary amines.

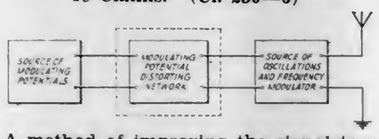
2,179,182

FREQUENCY MODULATION CIRCUITS

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 27, 1936, Serial No. 112,959

19 Claims. (Cl. 250—6)



1. A method of improving the signal-to-noise ratio in a frequency modulation system operating in a predetermined frequency spectrum which includes, producing at each modulating frequency substantially the maximum frequency swing permissible without producing side frequencies outside said spectrum the amplitudes of which are greater than a small fraction of the carrier amplitude.

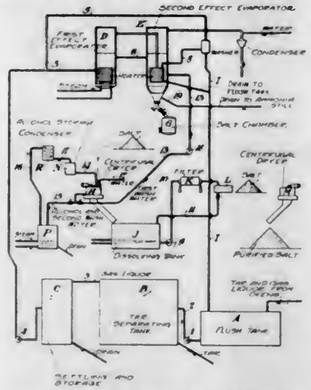
2,179,183

METHOD OF RECOVERING SAL AMMONIAC FROM GAS LIQUOR

Charles H. Heimbach, Elyria, and Norman B. Thompson, Lorain, Ohio, assignors to National Tube Company, a corporation of New Jersey

Application November 25, 1936, Serial No. 112,796

2 Claims. (Cl. 23—100)



2. A process for recovering ammonium chloride from coke oven gas liquor containing ammonium chloride and free ammonia, said process including passing said liquor through a multiple-effect evaporator so that the vapor driven from the liquor in the first effect is carried into the heater of the second effect and condensed, and so that foam forming in the first effect and containing ammonium chloride is carried over into the heater of the second effect with the vapor and there condensed with the latter, the condensate from said heater being repassed through said evaporator to effect recovery of the ammonium chloride initially lost in the first effect by formation of said foam and said heater being vented to remove ammonia gas separating therein from said liquor, said gas being subsequently redissolved in said liquor so as to be repassed through said evaporator whereby to permit a closed circulating system, portions of the liquor in said second effect being removed as required to keep the concentration of impurities in said system sufficiently low to prevent their interfering with the operation of said process.

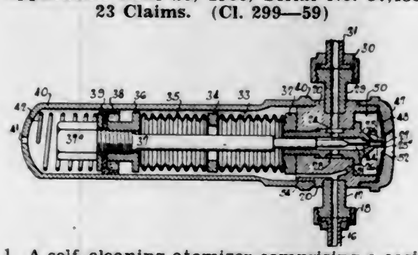
2,179,184

SELF-CLEANING NOZZLE

William B. Hodge, Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass., a corporation of Massachusetts

Application June 26, 1936, Serial No. 87,483

23 Claims. (Cl. 299—59)



1. A self-cleaning atomizer comprising a casing having a liquid conduit provided with a nozzle and a chamber for an atomizing fluid under pressure surrounding said nozzle and having a movable terminal wall provided with an outlet coaxial with said nozzle and normally positioned to cause its outlet to be penetrated by said nozzle but moved into proper atomizing position relatively to said nozzle outlet by the pressure of the atomizing fluid.

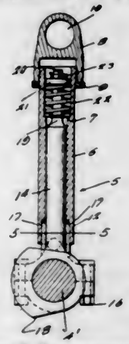
2,179,185

MULTIPLE DOUBLE ACTION CONNECTING ROD AND CRANKPIN ASSEMBLY

Joseph H. Jerrell and Joseph M. Jerrell, Jr., New Orleans, La.

Application July 1, 1938, Serial No. 216,944

1 Claim. (Cl. 74—36)



A connecting rod for connecting a piston to a crankshaft comprising a tubular member, a cap threaded to one end of the member and adapted to be connected with a piston, a stem slidably arranged in the tubular member and having its lower end adapted to engage the crank of the crankshaft, an internal shoulder in the tubular member, a projection on the upper end of the stem, a coil spring having its lower end bearing against the shoulder and its upper end against the projection and a projection on the lower end of the tubular member for engagement by a cam on the crankshaft.

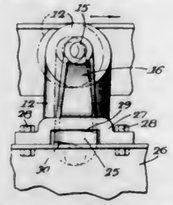
2,179,186

BELT CONVEYER

Myron A. Kendall, Aurora, Ill., assignor to Stephens-Adamson Mfg. Co., a corporation of Illinois

Application February 13, 1937, Serial No. 125,572

14 Claims. (Cl. 198—202)



1. In a belt conveyer, a troughing carrier including oppositely inclined rollers, supports for the inclined rollers mounted to rock freely both ways from the vertical to automatically tilt the rollers in the direction of travel, and means to limit the rocking movement.

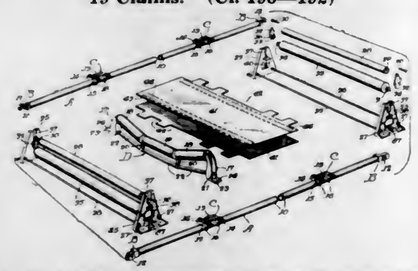
2,179,187

BELT CONVEYER

Myron A. Kendall, Aurora, Ill., assignor to Stephens-Adamson Mfg. Co., a corporation of Illinois

Application February 13, 1937, Serial No. 125,573

19 Claims. (Cl. 198—192)



1. In a belt conveyer, sections each comprising a single light rail member at each side of the conveyer and having a joint fitting secured at each end, a trough-shaped carrier crosswise to the rails, means including rockable members and aligned bearings on the rails for supporting the carrier, a stand for the adjacent ends of two sections, means for connecting the joint fittings and stand, and means for mounting a roller on said stands for supporting a conveyer belt during its return movement.

2,179,188

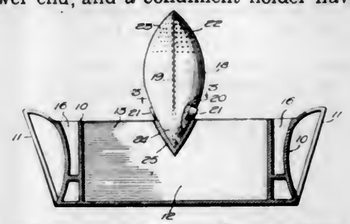
DINING TABLE RECEPTACLE

Alva L. Kitselman, II, Palo Alto, Calif.

Application May 5, 1936, Serial No. 78,063

3 Claims. (Cl. 65—45)

1. A device of the character described comprising a support having a vertical upwardly opening socket tapered to a substantially pointed lower end, and a condiment holder having its



lower end tapered to a point for reception within said socket.

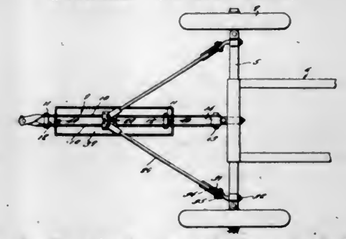
2,179,189

DRAFT POLE

Alfred J. Kjos, Baker, Oreg.

Application January 12, 1939, Serial No. 250,613

4 Claims. (Cl. 280—33.55)



3. A draft pole for a vehicle provided with spindle carrying steering knuckles at the ends of its front axle, said knuckles being independent of each other, said pole having means at one end thereof for connection to the front axle of the vehicle and said pole having longitudinally extending guides, independently movable slides engaging the guides, rods pivotally connected at one end to said slides and means for pivotally connecting the other ends of said rods to the knuckles.

2,179,190

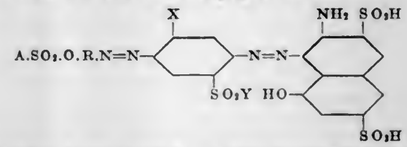
DISAZO DYESTUFFS AND THEIR MANUFACTURE

Adolf Krebser, Riehen, near Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application February 21, 1939, Serial No. 257,721. In Switzerland February 26, 1938

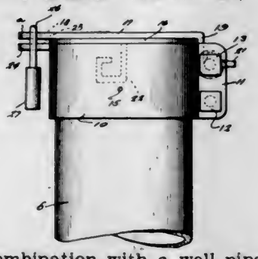
5 Claims. (Cl. 260—191)

1. The disazodyestuffs corresponding in the free state to the following general formula



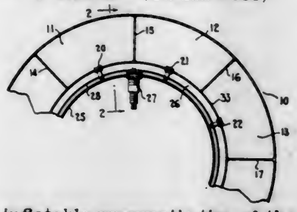
wherein A represents an aromatic radical of the benzene series, R represents the radical of a phenol coupled in the p-position, X represents one member of the group consisting of H, CH_3, O, C_2H_5O and CH_3, and Y is one member of the group consisting of the OH-group, the amido-, alkylamido- and phenyl-amido-group, an alkyl, the benzyl and an aryl radical of the benzene series, said dyestuffs being dark powders, soluble in water with violet to reddish blue color, dyeing animal fibres in an acid bath violet to reddish blue shades of good fastness to light and fulling.

2,179,191
WELL CAP
Eugene W. McWilliams, Barbourville, Ky., assignor of one-half to Claude L. Hammons, Corbin, Ky.
Application February 18, 1939, Serial No. 257,249
3 Claims. (Cl. 166—14)



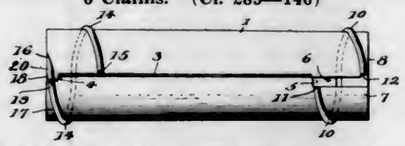
1. In combination with a well pipe, a closure for the upper end thereof and a well bucket chain attaching member on the inside of the closure means.

2,179,192
PNEUMATIC TIRE
Juán Ramón Munés and Braulio Pérez Marchant, Ilopango, San Salvador, Salvador
Application April 8, 1938, Serial No. 200,984
2 Claims. (Cl. 152—338)



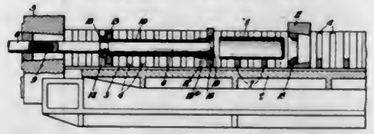
1. An inflatable pneumatic tire of the type described comprising a first annular chamber, radially positioned walls within said chamber dividing same into a plurality of segmental pneumatically isolated unit chambers, a second annular chamber concentric but within said first chamber, unit fluid control means associated with each of said unit chambers adapted to control flow of fluid between said second chamber and said unit chambers, said unit control means comprising a valve seat mounted in an opening formed in a wall of said unit chamber, a normally freely floating valve member slidable within said valve seat, said valve member being pneumatically actuated, when fluid pressure within said unit chamber exceeds fluid pressure in said second chamber, to engage with said seat whereby flow of fluid through said valve is at least mostly precluded, a main fluid control means associated with said second chamber adapted to control flow of fluid between said chamber and parts exterior of said tire, said main fluid control means comprising a valve seat mounted in an opening formed in a wall of said chamber, a normally freely floating valve member slidable within said valve seat, said valve member being pneumatically actuated, when fluid pressure within said chamber exceeds external fluid pressure, to engage with said seat whereby flow of fluid through said valve is at least mostly precluded, and means associated with said main fluid control means actuable from the exterior of said tire, adapted to unseat unit valve members, said means including a resilient annulus, positioned within said second chamber, engageable with said unit valve members whereby alterations in the apparent circumferential length of said annulus causes unseating of said unit valve members, and means for altering the apparent length of said annulus.

2,179,193
SHEET METAL PIPE AND PIPE JOINT
Alan Jay Parrish, Paris, Ill., assignor of one-half to Margaret Parrish and one-half to Jane Parrish, both of Paris, Ill.
Application April 10, 1937, Serial No. 136,191
6 Claims. (Cl. 285—146)



1. A sheet metal pipe section having male and female ends and a locked seam forming a raised portion extending along the inside of the pipe but terminating short of the pipe ends, said male end portion of the pipe having a slot beyond the seam end defining side extensions beyond the end of the seam and on opposite sides thereof, and a male thread extending around the pipe and terminating at the sides of the slot in the side extensions, said female end portion having a cut extending outwardly from the seam end and a female thread beginning at one side of the seam and extending around the pipe to its end transversely of the cut portion.

2,179,194
TUBE DRAWING BENCH
Henry E. Passmore, Jr., Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey
Application July 22, 1938, Serial No. 220,813
3 Claims. (Cl. 205—4)



1. Means for drawing closed-end tubes to size including, in combination, a base support having a longitudinally extending channel portion arranged therein, a head arranged at one end of said support, a ram associated with said head and mounted for longitudinal movement in the channel portion of said support, a sleeve-like mandrel telescopically arranged on the outer end of said ram and disposed within said channel removable means for securely locking the mandrel on the end of said ram, a removable plate-like stop member adjustably disposed in said channel, a flange portion arranged on the inner end of said mandrel, a removable die holder adjustably positioned in said channel, a removable die carried by said die holder, means for spacing said plate-like stop member and said die holder a predetermined distance apart, the flange portion of said mandrel adapted to cooperate with said plate-like stop member to arrest the same from further movement when the ram is moved in the drawing direction so as to position the outer end of said mandrel properly in relation to the die, and means carried by the outer end of the ram which is adapted to cooperate with the outer end of said mandrel to move the same away from the die when the ram is moved in the opposite direction.

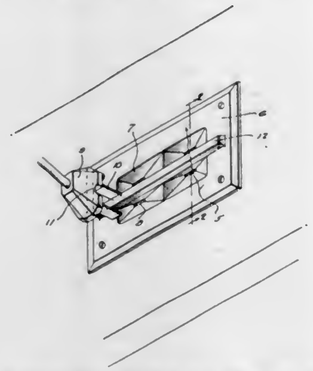
2,179,195
MANUFACTURE OF ARTIFICIAL SILK
James J. Polak, Arnhem, and Johannes G. Weeldenburg, Ede, Netherlands, assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Original application January 25, 1937, Serial No. 122,323. Divided and this application June 6, 1938, Serial No. 212,184. In Germany February 15, 1935
10 Claims. (Cl. 18—54)

1. In the manufacture of yarn of artificial origin wherein a cellulosic solution is extruded through minute orifices into a coagulating medium to form filaments and the like therefrom, the step which comprises spinning the filaments in the presence of a dissolved cation-active ammonium compound having linked thereto an atomic grouping containing benzene nuclei inducing cation-activity and an innocuous anion.

2,179,196
MANUFACTURE OF ARTIFICIAL SILK
James J. Polak, Arnhem, and Johannes G. Weeldenburg, Ede, Netherlands, assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Original application January 25, 1937, Serial No. 122,323. Divided and this application June 6, 1938, Serial No. 212,187. In Germany February 15, 1935
3 Claims. (Cl. 18—54)

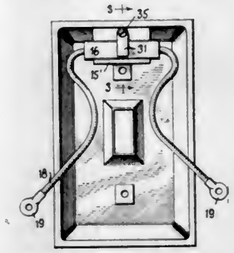
1. In the manufacture of viscose yarn wherein a viscose solution is extruded through minute orifices into an acid precipitating bath to form filaments and the like therefrom, the step of extruding the viscose solution into the spinning bath containing dissolved therein a cation-active tetra-alkylammonium salt.

2,179,197
ELECTRIC OUTPUT SOCKET
Thomas E. Raymond, Zanesville, Ohio
Application June 25, 1938, Serial No. 215,883
1 Claim. (Cl. 174—66)



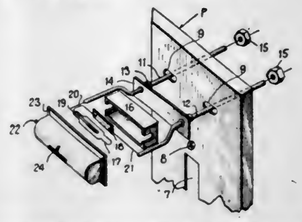
In an electric wall socket for use with a double pronged plug and having pairs of vertically spaced prong-receiving slots therein adjacent opposite ends thereof, a guide bar extending across the front of said socket intermediate the slots of said pairs for sliding of the prongs along the same in straddling relation thereto to register said prongs with selected pairs of said slots, said bar having rearwardly inclined webs extending from the lower edge thereof to the tops of the lower slots of said pairs for guiding the prongs under said bar to said lower slots.

2,179,198
ELECTRICAL SWITCH PLATE
John M. Reed, Los Angeles, Calif.
Application May 10, 1937, Serial No. 141,727
5 Claims. (Cl. 200—168)



5. A switch plate of the character described having a relatively smooth outer surface provided with a sight opening, spaced projections on the interior of the plate above and below said sight opening providing a channel, a box-like housing or shell mounted within said channel and supported by said projections, said box-like housing having an open front arranged across said sight opening to receive a gaseous bulb in alignment with said sight opening, and means supported by at least one of said projections engageable across said box-like housing to maintain said shell within said channel.

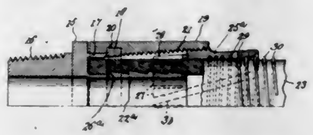
2,179,199
ELECTRICAL SWITCH PLATE
John M. Reed, Los Angeles, Calif.
Application May 10, 1937, Serial No. 141,728
1 Claim. (Cl. 200—167)



An indicating attachment for electrical switch plates comprising a housing open at its rear, the front of said housing being provided with a sight opening, lateral flanges bordering said open rear face and adapted to flushly engage against the front face of a switch plate, means accessible from the open rear face of the housing for detachably holding an illuminating bulb or element within said housing in substantial alignment with said sight opening in the front of the housing, said means comprising an insulating shell to hold said bulb or element and to cover the opening in said rear of the housing, said shell having its front face apertures in alignment with said side opening, and means to hold said shell in fixed position enclosing said bulb within the housing, said last means including means provided with elements adapted to secure said attachment as a unit to said switch plate, said securing elements extending from within the housing to the exterior

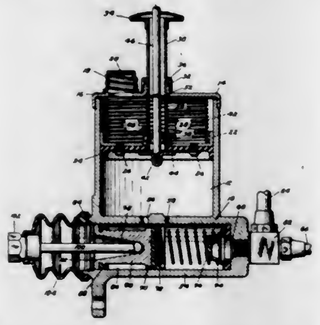
thereof and being tubular in form whereby to provide means for leading electrical conductors into the housing for attachment to said bulb.

2,179,200
HOSE COUPLING
Albert J. Scholtes, Baltimore, Md.
Application July 6, 1938, Serial No. 217,766
4 Claims. (Cl. 285—86)



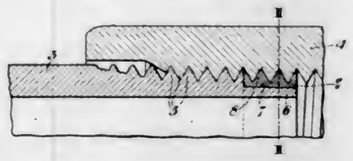
1. A hose coupling comprising an end wall having a nipple extending from the inenr side thereof to receive the end of a hose thereover, a sleeve rotatably connected to the end wall and extending therefrom in spaced relation about the nipple and against endwise movement relative to the end wall, and a follower member disposed in taper-threaded engagement within the sleeve for contraction about the end of a hose, said sleeve having an inwardly tapering inner wall and adapted to be rotated to draw and contract the follower member into the sleeve, whereby the follower member advances the hose over the nipple and against said end wall to compress the hose against the end wall and about the nipple and expand the end of the hose against the end of the follower member for holding the hose from pulling out of the coupling.

2,179,201
RESERVOIR FOR FLUID PRESSURE SYSTEMS
Don O. Scott, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application July 12, 1935. Serial No. 30,987
3 Claims. (Cl. 60—54.6)



1. A fluid pressure operated brake system comprising a master cylinder, a piston movable therein, a reservoir for supplying fluid to the cylinder and means for maintaining a pressure on the fluid in said reservoir and cylinder, said last mentioned means including a cover plate for said reservoir, a piston in said reservoir, a hollow piston rod extending through the piston and cover plate and having openings providing communication between the interior of the rod and that portion of the reservoir back of the piston, means for closing the inner end of the rod, and means extending through and beyond the rod for operating said last mentioned means.

2,179,202
PIPE JOINT SEAL
Albert W. Simpson, Dormont, Pa., assignor to National Tube Company, a corporation of New Jersey
Application June 23, 1937, Serial No. 149,966
1 Claim. (Cl. 285—154)



A threaded pipe joint comprising an internally threaded metallic tubular member and an externally threaded metallic tubular member adapted to telescope therewith, said externally threaded member having an unthreaded annular portion of reduced diameter adjacent its outer extremity, said unthreaded annular portion being frusto-conical toward the extremity of said externally threaded member and adapted for disposal within said internally threaded member, the threads of the internally threaded member and the threads of the externally threaded member being tapered and complementary to each other, and a metallic sealing gasket of softer metal than the metal of both the internally threaded member and the externally threaded member, said metallic sealing gasket being annular and provided with a bore of the same form as the frusto-conical portion of said externally threaded member, the perimeter of said metallic sealing gasket being prethreaded with the same pitch as the threads of the internally threaded member, the bore of said metallic sealing gasket being originally of slightly smaller diameter than the diameter of the frusto-conical portion of the externally threaded member, said metallic sealing gasket being adapted for expansion onto the frusto-conical portion of the externally threaded member by positioning the latter within the internally threaded member and rotating the same; whereby a fluid-tight seal is formed by the compression of the prethreaded metallic sealing gasket between the threads of the internally threaded member and the frusto-conical extremity of the externally threaded member.

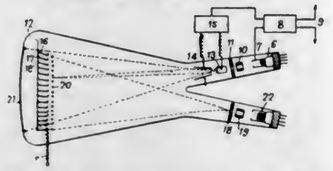
2,179,203
MANUFACTURE OF SIRUPS
Leo Stein, East Orange, N. J., and James F. Walsh and Haskell C. Needle, Chicago, Ill.; said Walsh and said Needle assignors to American-Maize-Products Company, a corporation of Maine
No Drawing. Application March 17, 1937, Serial No. 131,366
15 Claims. (Cl. 99—142)

1. A method of producing a malt-like sirup from corn steep water and corn sirup comprising first substantially neutralizing the steep water to effect precipitation of the heat coagulable proteins, filtering to remove the precipitated materials, blending the filtered steep water with a corn sirup, concentrating the resulting liquid to produce a sirup of the desired consistency and thereafter heating said sirup sufficiently to impart to the sirup a characteristic malt aroma and flavor.

2,179,204
STROPHANTHUS GLUCOSIDE AND ITS MANUFACTURE
Arthur Stoll and Jany Renz, Basel, Switzerland, assignors to the firm Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application May 11, 1937, Serial No. 142,053. In Switzerland April 21, 1937
6 Claims. (Cl. 260—210)

1. A process for the preparation of *k*-strophanthoside, comprising the steps of making an extract rich in glucoside by treating the seeds of *Strophanthus kombe* with an organic solvent selected from the class consisting of ethanol and its mixtures with chloroform, evaporating the solution thus obtained and treating the residue with an acetylating agent in order to transform the new glucoside into its heptaacetyl compound, separating the heptaacetyl compound from the by-products by fractional crystallization, saponifying the same by treating it with a non-aqueous solution of an alcoholate and crystallizing the glucoside.

2,179,205
TELEVISION RECEIVING APPARATUS
Pierre Marie Gabriel Toulon, Puteaux, France
Application January 25, 1937, Serial No. 122,275
In France January 30, 1936
5 Claims. (Cl. 178—7.5)



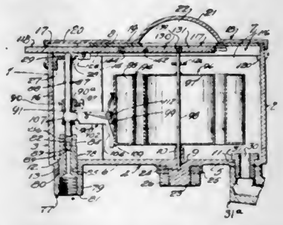
1. Receiving tube comprising a fluorescent screen, a first electron gun emitting a first electronic beam, a second electron gun emitting a second electronic beam, a multi-cellular collecting grid arranged between said fluorescent screen and said first and second electron guns, said collecting grid including a series of slats of substantial width compared with the distance between them, said slots lying in planes inclined to the path of the electrons emanating from said first electron gun so as to obstruct the passage of said electrons and substantially parallel to the path of the electrons emanating from said second electron gun so as to provide a substantially unobstructed passage for said electrons, each of said slats comprising bands of insulating material forming the surfaces of the slats exposed to the electrons emitted by said first electron gun and bands of conductive material forming the under surface of said slats, means associated with one of said electron guns for concentrating the beam emitted by said electron gun and for causing it to scan said collecting grid to deposit charges on said bands of insulating material, means associated with the other electron gun for spreading the electronic rays emitted by said gun over the area of said collecting grid, whereby the rays of said second electron beam, in passing between said insulating slats are deflected to an extent dependent upon the charges on the parts of the strips by which they pass, and by striking the bands of conductive material are absorbed in a number dependent upon their deflection.

2,179,206
TRANSOM CONTROLLER
Charles W. Ward, Los Angeles, Calif.
Application March 9, 1938. Serial No. 194,973
1 Claim. (Cl. 268—113)



A device of the character described, comprising a transom having its lower end hinged to a door frame, a spring normally holding said transom open, an arm carried by the upper end of the transom and extending laterally over the side of the door frame, a pulley carried by the door frame in horizontal alignment with the arm carried by the transom, a rod carried by the door frame below the pulley and spaced from the frame, a slider of U-shape form straddling said rod and freely movable thereon, a cable connected to the arm carried by the transom and passing over the pulley and connected to the slider, a locking member intermediately pivoted between the outer ends of the arms of the slider, a locking tip carried by the inner end of the locking member and engaging the rod, a finger grip aperture in the locking member beyond the slider, and a spring engaging the locking member beyond its pivot for normally holding the locking tip in engagement with the rod.

2,179,207
SAFETY CONTROL AND OIL LEVELING VALVE STRUCTURE
George W. Whitehurst, Portsmouth, Va.
Application September 13, 1937. Serial No. 163,710
5 Claims. (Cl. 137—68)



1. In a safety control and oil leveling valve structure, a housing providing a float chamber and an intake valve chamber opening into the float chamber, a vertically disposed tubular oil intake element in said intake chamber formed with an intake valve seat and a discharge port, a tiltable float operating in the float chamber, an

intake valve coacting with said seat for shutting off the intake of oil through said port, a guide for and disposed at the upper portion of said valve, a horizontally disposed link loosely connected at one end to and eccentrically of said valve adjacent said guide and loosely connected at its other end with the upper portion of the float, and a float actuated pressure exerting structure urging said valve to seat at normal oil level, bearing against the float and including correlated parts forming a resilient lost motion connection between the float and valve to permit of the tilting of the float, on the rise of the oil above said normal level whereby on the tilting of the float said link will act to rotate the valve on its seat to wipe the latter.

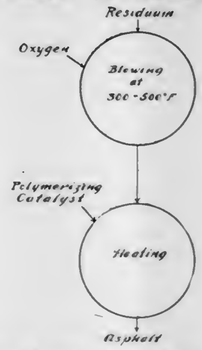
2,179,208

MANUFACTURE OF IMPROVED ASPHALTS

Robert E. Burk and Charles H. Whitacre, Cleveland, Ohio, assignors to Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

Application November 23, 1936. Serial No. 112,348

5 Claims. (Cl. 196—74)



1. A process of making asphalt, which comprises air-blowing a petroleum residuum in the absence of an added catalyst while maintaining the temperature at 300–500° F., for one to thirty or more hours, then heating the material at a temperature at least 300° F. with a small amount of a polymerizing catalyst.

2,179,209

ESTERS DERIVED FROM ISOCYCLIC COMPOUNDS

Karl Daimler and Carl Platz, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 16, 1937, Serial No. 154,011. In Germany April 11, 1936

3 Claims. (Cl. 260—473)

1. The products of the general formula

$$(R_1)_n\text{—A—}OR_2\text{—COY}$$

wherein R_1 is a member of the group consisting of aliphatic and cycloaliphatic hydrocarbon radicals having at least three carbon atoms, n is a whole number from 1 to 3, A is an isocyclic ring system selected from the group consisting of hydrogenated and non-hydrogenated benzene and naphthalene radicals, R_2 is a member selected from the class consisting of aliphatic hydrocarbon radicals, and Y represents $—OR_3—SO_3H$, R_3 standing for a member selected from the group consisting of aliphatic, cycloaliphatic and aromatic radicals.

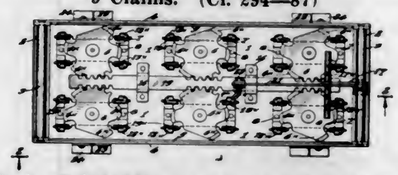
2,179,210

STICK-HOLDING RACK

Edwin L. Elwell, Baltimore, Md., assignor to Eskimo Pie Corporation, Bloomfield, N. J., a corporation of Delaware

Application August 25, 1938, Serial No. 226,679

9 Claims. (Cl. 294—87)



1. A stick-holding rack comprising a frame having a normally horizontal supporting member, a plurality of wheels rotationally supported on said member, a plurality of stick-receiving and guiding devices in operative register with each wheel, a plurality of gripper elements carried by each wheel, and means for simultaneously rotating the wheels to bring the gripper elements of each wheel into engagement with a plurality of sticks held by said stick-receiving and guiding devices.

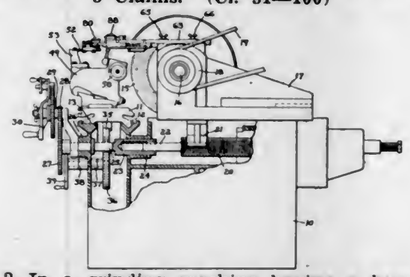
2,179,211

FORM GRINDING APPARATUS

Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application December 12, 1938, Serial No. 245,203

5 Claims. (Cl. 51—100)



2. In a grinding machine having a base, a rotatable grinding wheel, a transversely movable slide therefor, a feeding mechanism including a manually operable feed wheel to move said slide and wheel transversely in either direction, a longitudinally movable table, a manually operable traverse mechanism including a hand wheel to traverse the table longitudinally in either direction, a rotatable work support on said table, and a forming attachment therefor including a forming bar, a transversely movable pivotally mounted follower and an indicator associated therewith which serve to register movements of said follower during the relative longitudinal and transverse movements between the grinding wheel and work support whereby coordinated actuation of the traverse and feeding mechanisms serves to grind a predetermined form on said work piece.

2,179,212

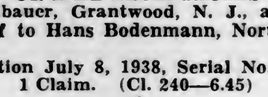
RESISTOR UNIT

Charles J. Ganci, Ridgewood, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York

Application November 25, 1936. Serial No. 112,623

3 Claims. (Cl. 201—64)

1. In a resistance device, a ceramic base, a resistive conductor supported thereby, an enamel coating over the resistive conductor having a coefficient of expansion lower than that of the



base, said base having a coefficient of expansion of at least one-half and not more than three-quarters of the coefficient of expansion of the resistive conductor.

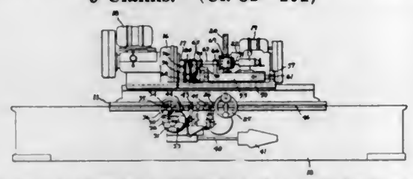
2,179,213

PISTON GRINDING APPARATUS

Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application September 16, 1938, Serial No. 230,261

9 Claims. (Cl. 51—101)



1. In a grinding machine for grinding noncircular work pieces, a rotatable grinding wheel, a pivotally mounted rock bar, a rotatable work support thereon including a rotatable spindle and a pair of opposed aligned work supporting centers, a pair of opposed aligned trunnions to support said rock bar, a rotatable master cam and a follower which are arranged to rock said bar to cause said work centers to approach and recede from said grinding wheel, and driving connections synchronously to rotate said spindle and master cam, said connections being arranged so that the master cam may be rotated at a different speed from the work spindle whereby a single lobed master cam may be utilized to produce a multiple lobed work piece.

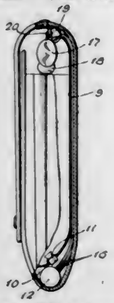
2,179,214

ILLUMINATING DEVICE FOR POCKETBOOKS OR LIKE RECEPTACLES

Otto Hallbauer, Grantwood, N. J., assignor of one-half to Hans Bodenmann, North Bergen, N. J.

Application July 8, 1938, Serial No. 218,094

1 Claim. (Cl. 240—6.45)



The combination with a pocketbook or like receptacles having a compartment, a flexible lining forming one of the walls of said compartment and extending downwardly to a point short of the bottom of said receptacle so as to combine therewith to provide a chamber, said lining having an opening in the bottom thereof, a separable closure for said opening, and a closure flap for said receptacle; of an illuminating device comprising a socket member, a lamp mounted therein, a supporting plate secured to the inner surface of said closure flap adjacent said compartment, a rod on said plate, means on said socket member to hingedly connect the same to said rod, a source of current supply in said chamber, a circuit including conductors connecting said source with spaced terminals on said socket member, and a switch slidable on said socket member for alternate engagement with said terminals to control said circuit.

2,179,215

AMINO KETONES AND METHOD OF MAKING

Ralph A. Jacobson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 22, 1936, Serial No. 75,749

21 Claims. (Cl. 260—584)

6. The process of preparing amino ketones which comprises reacting a compound having the structural formula

$$(CH_3)_2CHC(=O)R$$

wherein R is a hydrocarbon radicle, with formaldehyde, and a substance selected from the group consisting of an amino-nitrogen-containing compound and a hydrohalide thereof, the amino-nitrogen-containing compound having a single nitrogen atom, said atom being trivalent and attached to at least one hydrogen and otherwise joined only to hydrocarbon radicles.

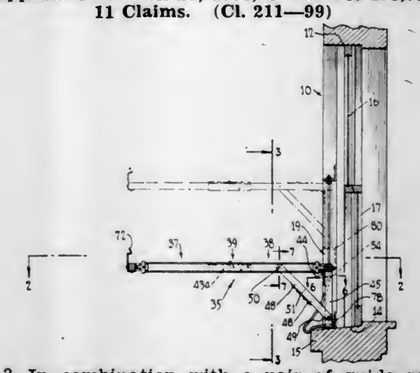
2,179,216

CLOTHES DRIER

Max E. Kalks, New York, N. Y., assignor to Erna Kalks, Hempstead, Long Island, N. Y.

Application March 29, 1938, Serial No. 198,739

11 Claims. (Cl. 211—99)



3. In combination with a pair of guide rods adapted to be attached to a window frame and disposed in vertical parallel planes, a clothes drier comprising a frame having a pair of parts hinged together and adapted to be moved to superimposed positions, one with respect to the other, legs hinged to one of said parts, adapted to rest on a window sill and support the frame of the drier, links interconnecting said legs with said other part, eyelets swivelled to said legs and receiving said guide rods therethrough, and pulleys on said frame parts interconnected by clothes

lines, said guide rods having curved portions extending away from the window frame, and adapted to extend beyond a window sill.

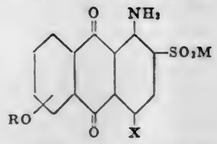
2,179,217

ANTHRAQUINONE ACID WOOL DYESTUFF

David X. Klein, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 24, 1938, Serial No. 197,860
3 Claims. (Cl. 260—373)

1. Compounds of the general formula:



wherein M stands for an element of the class consisting of hydrogen and alkali-metals, X stands for an arylimino radical of the benzene series, and R stands for a radical of the class consisting of aliphatic hydrocarbon and aliphatic ether radicals which carry a free —OH radical and in which the radical RO is attached in one of the positions 5 and 6.

2,179,218

1,1,1-TRICHLOROPROPANE AND METHOD OF PREPARATION

Arthur A. Levine and Oliver W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 8, 1937, Serial No. 129,683
4 Claims. (Cl. 260—658)

1. A process of preparing an isomer of trichloropropane having an atmospheric boiling point of 106–107° C. which comprises reacting hydrogen chloride and 1,1-dichloropropene-1.

4. As a new compound, an isomer of trichloropropane, said compound being a liquid having a boiling point at atmospheric pressure of 106 to 107° C., and a density at 23° C. of 1.287 as compared with water at 4° C.

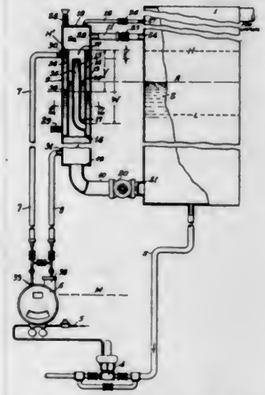
2,179,219

FLUID-MEASURING APPARATUS

Clesson E. Mason, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Application October 14, 1936, Serial No. 105,498
18 Claims. (Cl. 73—299)

1. Apparatus for measuring the level of a liquid in a reservoir having above the liquid a mixture of vapors having separable condensates of different densities, comprising, in combination, a pressure differential meter, a first connection between one side of said meter and said reservoir above the maximum liquid level therein, said first connection containing one of said condensates and being adapted to transmit the pressure of said vapors to the meter, a second connection between the other side of said meter and the reservoir below the minimum liquid level therein adapted to transmit the combined hydrostatic and vapor pressure to the meter, condensing apparatus interposed in said first connection between the meter and reservoir for condensing some of the vapors entering it and at least partially separating the resulting condensates, and means in said condensing apparatus



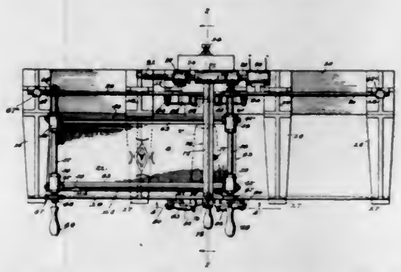
for automatically supplying said first connection with the said one condensate contained therein to the exclusion of another.

2,179,220

APPARATUS FOR STENCILING ARTICLES

Henry W. Schneider, Toledo, Ohio, assignor to Libbey Glass Company, a corporation of Ohio

Application August 21, 1936, Serial No. 97,241
12 Claims. (Cl. 101—124)



1. In an apparatus for decorating articles having cylindrical or frusto-conical surfaces, a stencil screen, means for positioning an article with the surface thereof to be decorated in tangential rolling line-contact with said screen, a squeegee in contact with said screen, said squeegee occupying an off-center position on one side of the line of contact between said screen and surface, and means for shifting said squeegee from its off-center position to a corresponding off-center position on the other side of said line of contact.

2,179,221

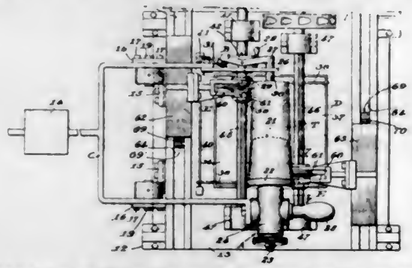
BANDING MACHINE

Henry W. Schneider and Lawrence O. Mankin, Toledo, Ohio, assignors to Libbey Glass Company, a corporation of Ohio

Application September 9, 1937, Serial No. 163,110
12 Claims. (Cl. 91—12)

2. A banding machine comprising a rotatable shaft, a banding disk slidably keyed to said shaft and rotatable therewith, a reservoir into which the disk extends, means movable toward and away from the disk for rotatably supporting an

article having a substantially cylindrical surface, means for continuously rotating said shaft, and



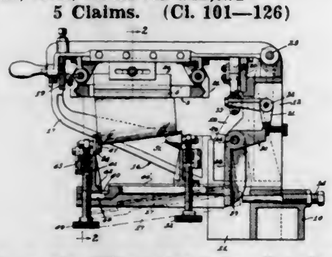
means for sliding the disk longitudinally of said shaft.

2,179,222

STENCILING APPARATUS

Henry W. Schneider, Toledo, Ohio, assignor to Libbey Glass Company, a corporation of Ohio

Original application August 21, 1936, Serial No. 97,241. Divided and this application November 21, 1938, Serial No. 241,521
5 Claims. (Cl. 101—126)



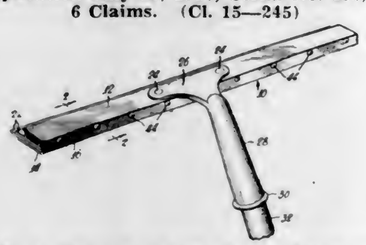
1. In a stenciling apparatus for decorating tumblers, a tumbler support comprising a supporting bracket, a pair of racks slidably supported for axial movement in said bracket, a roller carried by each of said racks, said rollers being adapted to rotatably support therebetween a tumbler, and means for adjusting the axial position of said racks.

2,179,223

SQUEEGEE CLEANING TOOL

Herman Siemund, Chicago, Ill., assignor to Greenview Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application July 10, 1937, Serial No. 152,906
6 Claims. (Cl. 15—245)



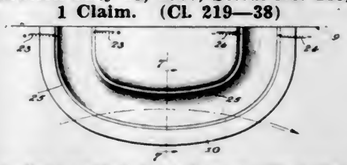
1. In a cleaning device of the character described, an elongated wiping element, an elongated U-shaped holder therefor, an elongated U-shaped clamping member adapted to be mounted entirely within the channel of said holder, and securing means mounted in the back of said holder having a free end for engaging the clamping member and moving it transversely along one arm of said holder for wedgingly securing said wiping element therebetween, the free end of said securing means terminating within the channel of said clamping member.

2,179,224

ELECTRIC HEATING AND FLOW CONTROL OF MOLTEN GLASS

Leonard D. Soubier, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application May 18, 1937, Serial No. 143,320
1 Claim. (Cl. 219—38)



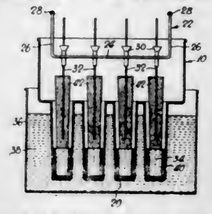
Means for regulating and controlling the temperature of molten glass as it flows through a predetermined length of a channel, said means comprising an electrical resistor immersed in the glass in the channel, said resistor being in the form of a sheet metal plate comprising the floor and side wall portions of said predetermined length of the channel, said resistor being connected in circuit with a source of electrical current supply and having portions of varying thickness at different points lengthwise of the channel, whereby the electrical resistance is variable along said resistor so that a variable amount of heat is supplied to the flowing glass at different points along said resistor.

2,179,225

METHOD OF MAKING MULTIFLAVORED OR COMPOSITE FROZEN CONFECTIONS

Norman M. Thomas, Pelham, N. Y., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware

Application September 23, 1938, Serial No. 231,288
9 Claims. (Cl. 107—54)



1. The method of forming, refrigerating and harvesting a multiflavored or composite frozen confectionery product which comprises partially filling a mold with a fluid substance to be frozen, freezing a portion of the substance adjacent the inner surfaces of the mold, inserting a preformed core of another substance into the unfrozen first substance until the latter is displaced and caused to rise filling the spaces between the core and the mold, completing the freezing until the two substances are entirely frozen, and then removing the composite confectionery product from its mold.

2,179,226

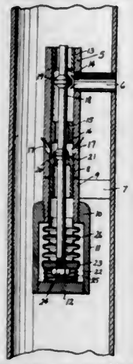
WELL FLOWING VALVE

Thomas E. Bryan, Oklahoma City, Okla.

Application August 24, 1936, Serial No. 97,511
12 Claims. (Cl. 103—232)

1. In a tubing flow valve structure, for use in a string of tubing, a partially balanced valve supported by said tubing for controlling communication between the interior and the exterior of said

tubing, and means subjected to the hydrostatic pressure within the tubing opening said partially balanced valve when said hydrostatic pressure exceeds a predetermined value, and a part of said

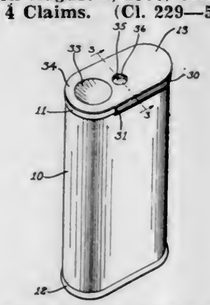


valve subjected to the velocity head due to flow through said valve into the tubing when said valve is open and other means retaining the said valve in normally closed position.

2,179,227
CONTAINER

Walter E. Caten, Dayton, Ohio, assignor, by mesne assignments, to Humoco Corporation, Louisville, Ky., a corporation of Delaware

Application August 1, 1936, Serial No. 93,859
4 Claims. (Cl. 229—5.6)



1. A container of the character described for tobacco or the like comprising a paperboard body portion having a surfacing to provide air and moisture proof characteristics, metal ends crimped to said body portion in sealed relationship, one of said ends having an aperture therein, frangible sealing means underlying said apertured end and held in sealed relation by the crimp of said end to provide a seal for the aperture of said end, and a movable closure member for said aperture having operative sliding engagement with a peripheral bead formed by the crimped portion of said apertured end.

2,179,228
PROCESS OF COLOR PHOTOGRAPHY AND MATERIAL THEREFOR

John Eggert, Leipzig-Gohlis, and Alfred Froehlich and Bruno Wendt, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

Application March 12, 1935, Serial No. 10,704. Renewed April 11, 1939. In Germany March 16, 1934
15 Claims. (Cl. 95—6)

6. A light sensitive material for color photography comprising a support and a silver halide gelatine emulsion thereon, containing an organic colorless dyestuff component capable of react-

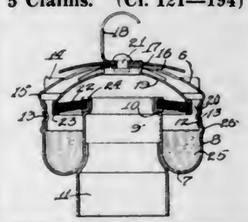


ing with a further component to produce a dyestuff image, said first component having a chemical constitution which imparts thereto substantive properties with respect to the gelatine.

2,179,229
APPARATUS FOR CLEANING AIR

Theodore W. Hallerberg, Chicago, Ill., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich., a corporation of Delaware

Application November 25, 1935, Serial No. 51,398
5 Claims. (Cl. 121—194)

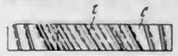


1. In an air cleaner, a casing comprising separable sections, said casing having an inlet and an outlet, an imperforate member in one casing section positioned over said outlet in spaced relationship thereto, a filter element carried at one edge thereof by said member, and the other casing section having a seat for the other edge of said element disposed slightly higher than the carried end whereby when said casing sections are joined a seal is effected between said filter element and said seat by the inherent resiliency of said filter element.

2,179,230
GEAR GENERATING TOOL

Douglas T. Hamilton, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Original application April 17, 1934, Serial No. 720,954. Divided and this application February 4, 1936, Serial No. 62,282
2 Claims. (Cl. 29—95)



2. A gear finishing cutter having helical teeth arranged in a curved series surrounding an axis, with their end faces substantially perpendicular to said axis, each tooth being of equal width in all planes perpendicular to the axis, and their width on the operating pitch circumference of the cutter being less than the width of the spaces to be cut in the workpiece, and the acute angle intersections of the side and end faces of the teeth being cutting edges.

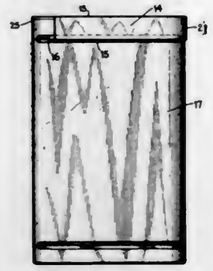
2,179,231
CONTAINER

George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware

Application August 23, 1935, Serial No. 37,439
7 Claims. (Cl. 229—43)

1. A cover for a container comprising a head portion having a lip on the lower face thereof

adjacent one end adapted to coact with the edge of the container, a flange depending from said head portion and extending through a major portion of the periphery of the head, said flange

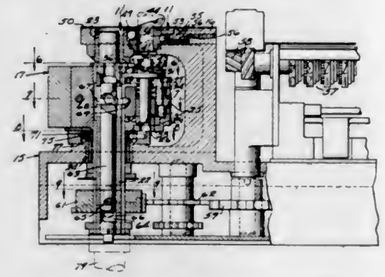


having two substantially parallel side wall portions, and inwardly extending beads carried by said side wall portions adapted to coact with grooves in the walls of the container.

2,179,232
POSTAGE METER UNIT

Jacob W. Ogden, Springdale, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

Application July 25, 1936, Serial No. 92,498
7 Claims. (Cl. 101—91)

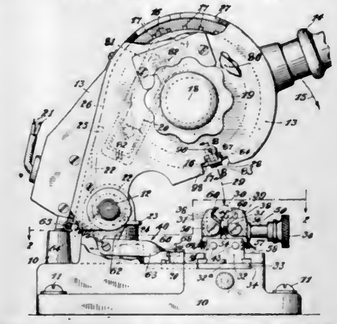


1. In a portable meter unit for use with a metered mailing machine, a frame, an indicia printing die member, rotatably mounted in said frame, a multi-value printing die rotatably mounted in cooperative printing relation with said indicia printing die member, manually operable selector means having a driving connection with said multi-value printing die, a normally locked but yieldably releasable engaging member between the indicia printing die member and the value printing die, to normally maintain the multi-value printing die in a locked relation with the indicia printing die, a removable selector key, a sleeve rotatably mounted within the frame, and locking means including movable means confined within an opening in the sleeve and cooperating with a plurality of recessed portions in the frame immediately surrounding said sleeve and a groove in said key, whereby when the key is inserted and rotated, the movable means will enter the recessed portions to permit the removal of the key when the selected multi-value printing die is set in its correct printing relation with the indicia printing die member and will enter the groove in the key to prevent the withdrawal of the key when the selected printing die is not in its correct printing relation with the indicia printing member.

2,179,233
PRINTING AND EMBOSSING MACHINE

Edward Roberts, Jr., Hohokus, N. J., assignor to Roberts, Cushman & Company, New York, N. Y., a corporation of New York

Application July 23, 1935, Serial No. 32,689
5 Claims. (Cl. 197—6.4)



1. In an embossing machine, means for holding the article to be stamped comprising pivoted jaws, means for opening or closing the same to receive and to hold the article to be operated upon and means carried by the jaws for holding a sheet in a position overlying the article.

2,179,234
MANUFACTURE OF MULTICOLOR PHOTOGRAPHS

Wilhelm Schneider, Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application September 11, 1936, Serial No. 100,319. In Germany October 3, 1935
4 Claims. (Cl. 95—2)

1. A process of producing multicolor photographs which comprises producing a multilayer film having incorporated in the several gelatine silver halide emulsion layers a dye component capable of forming a dye with a developer adapted for color development, said dye components although soluble in aqueous photographic developing solutions being of such molecular constitution that they are incapable in such dissolved form of diffusing in gelatine in any photographic treating bath, exposing said mutilayer film to a colored object, developing the exposed film in a developer not capable of forming a color with said dye components, exposing said multilayer film a second time, simultaneously developing all the layers of the exposed film in a developer capable of forming dyes with said dye components and removing the developed silver from said film.

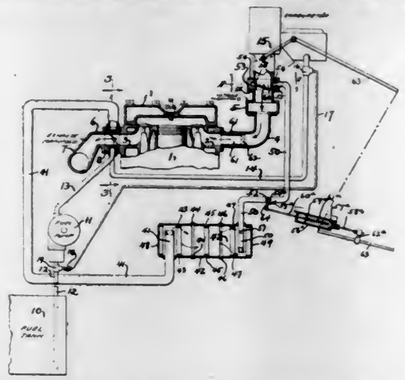
2,179,235
METHOD AND APPARATUS FOR REGULATING CHARGE FOR INTERNAL COMBUSTION ENGINES

Henry Silverstein, Brooklyn, N. Y.

Application July 30, 1936, Serial No. 93,387
15 Claims. (Cl. 123—122)

1. In a construction of the type described an internal combustion engine having inlet and exhaust ports, means for heating fuel from the heat contained in the gases leaving the exhaust port, a carburetor adapted to utilize air at atmospheric conditions to produce a combustible

mixture, means for conveying such heated fuel to said carburetor, means for heating air from the heat contained in the gases leaving the aforesaid exhaust port, means for adding to the com-



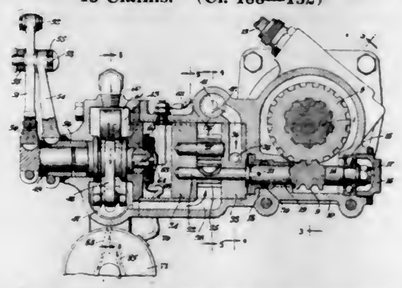
bustible mixture of air and preheated fuel leaving the carburetor an appropriate amount of air thus heated and means for supplying the resulting mixture to the inlet port of said engine.

2,179,236

POWER MEANS FOR AUTOMOTIVE ACCESSORY ACTUATION

Edwin G. Staude, Minneapolis, Minn.

Application September 24, 1935, Serial No. 41,954
15 Claims. (Cl. 188—152)



1. In combination, an automotive vehicle, an accessory thereon, a manual control means therefor, a source of power derived from and coordinated to the movement of the vehicle whenever the vehicle is in motion from its own traction on a road for operating the accessory adapted to be brought into action by the movement of the manual control means, and an auxiliary source of power for operating the accessory adapted to be rendered active upon the decreasing effectiveness of the power derived from the movement of the automobile.

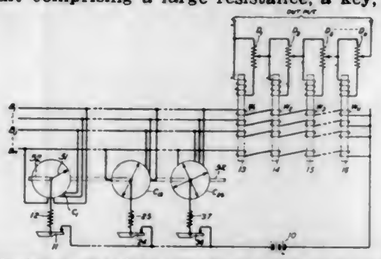
2,179,237

TONE GENERATOR

George R. Stibitz, Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 17, 1936, Serial No. 74,873
9 Claims. (Cl. 84—1.19)

1. Means for producing a tone electrically comprising a source of voltages, commutator means for selecting the voltages in a predetermined sequence, each voltage comprising an elementary portion of a cycle of the tone, and an external circuit comprising a large resistance, a key, and



an electromechanical sound translating device in series with the commutator and voltage source.

2,179,238

MANUFACTURE OF POLYCHROME PICTURES

Gustav Wilmanns, Wolfen, Kreis Bitterfeld, and Wilhelm Schneider and Ernst Bauer, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

Application April 4, 1936, Serial No. 72,718
In Germany April 10, 1935
10 Claims. (Cl. 95—6)



1. A light-sensitive material for color photography comprising a silver halide emulsion containing a dyestuff component for color forming development having attached thereto a group which lends said component substantive character with respect to the binding agent of the silver halide emulsion and further containing a compound having a precipitating action on said dyestuff component.

2,179,239

COLOR PHOTOGRAPHY

Gustav Wilmanns, Wolfen, Kreis Bitterfeld, Wilhelm Schneider, Dessau, and Ernst Bauer, Hersbruck, Mfr., Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application November 13, 1937, Serial No. 174,350. In Germany April 10, 1935
5 Claims. (Cl. 95—6)

1. A photographic emulsion layer having incorporated therein a color forming development component having linked to an atom of its molecule a substantive grouping of so large a number of carbon atoms that the molecular size of said component is materially increased, said grouping being capable of rendering said component fast to diffusion.

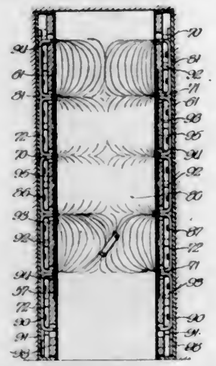
2,179,240

METAL DETECTION DEVICE

Victor W. Breitenstein, Chicago, Ill., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application January 2, 1937, Serial No. 118,815
4 Claims. (Cl. 177—311)

1. In a device for detecting a movement of magnetic metal, the combination of a permanent magnet with a pair of coils, said coils being located to embrace parts of said permanent magnet, and being oppositely connected so that the electromotive forces generated in said coils by stray magnetic effects from sources other than said permanent magnet will be counter-balanced, said coils being relatively flat and wide in shape for the



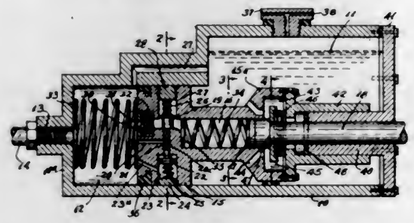
purpose of augmenting the electromotive force induced in said coils by movement of a magnetic body moving in said field.

2,179,241

COMPOUND HYDRAULIC BRAKE PUMP

Martin V. Groves, New York, N. Y., assignor of one-half to Airdraulic Brake Corporation, Bellerose, N. Y.

Application November 26, 1938, Serial No. 242,474
10 Claims. (Cl. 60—54.6)



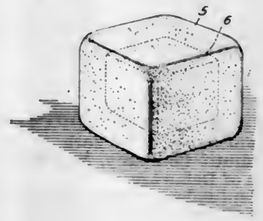
1. A compound hydraulic brake pump, comprising a body for holding a hydraulic fluid and having a cylinder with a closed front end and which is provided with an opening for connection with the fluid line of hydraulic brakes, a main piston slidably mounted in said cylinder and having a small bore in its rear end, an auxiliary small piston slidably mounted in said bore, means for urging said small piston forwards for applying the brakes, hydraulic fluid means for normally rigidly connecting said pistons together as a unit and controlled with a pressure loaded valve actuated by pressure of the hydraulic fluid in the front end of said cylinder and controlling a passage extending from said bore to the front end of said main piston for connecting the fluid in the bore with the fluid at the front of the main piston to disconnect the pistons, a one way valve controlling a passage through which fluid from the front of said cylinder may enter said bore upon rearward motion of said auxiliary piston, means for normally urging said main piston rearwards, means for normally urging said auxiliary piston rearwards, and means for holding said main piston against rearward motion while said auxiliary piston is in a forward position relative to said main piston.

2,179,242

PHOTOGRAPHIC FIXER

Garnet Philip Ham, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application June 10, 1939, Serial No. 278,555
5 Claims. (Cl. 95—88)



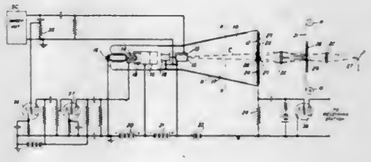
1. A photographic fixing and hardening composition in the form of a solid mass comprising a core of hardening component surrounded by a layer of fixing component.

2,179,243

CATHODE RAY DEVICE

Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 21, 1936, Serial No. 97,131
15 Claims. (Cl. 178—7.2)



1. A cathode ray device comprising means for forming a cathode ray beam having a cross-section in which a dimension thereof in one direction is larger than a dimension thereof in a direction at right angles to said first direction, photoconducting material of high specific resistance in the path of the electrons in said beam, means for confining the illumination of said material to an elongated section thereof, and means for sweeping said beam along the length of said section, the larger dimension of said beam cross-section being transverse to the sweeping direction.

2,179,244

SILVER HALIDE EMULSION FOR COLOR PHOTOGRAPHY

Wilhelm Schneider and Alfred Fröhlich, Dessau (Anhalt), Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

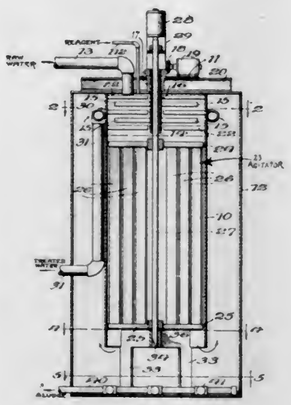
No Drawing. Application August 13, 1937, Serial No. 158,860. In Germany August 22, 1936
8 Claims. (Cl. 95—6)

1. A photographic silver halide emulsion containing a dyestuff component fast to diffusion, said dyestuff component being capable of forming a dye selected from the group consisting of quinoneimine-, azomethine- and azo dyestuffs, and being a polypeptide of a color former.

2,179,245
LITHOGRAPHIC PLATE AND METHOD OF MAKING SAME
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application June 16, 1937, Serial No. 148,563
14 Claims. (Cl. 95—5.4)

1. A coating material for lithographic plates, which comprises a water-soluble reaction product of a halogen and polyvinyl alcohol.

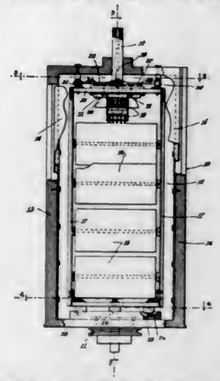
2,179,246
WATER TREATING APPARATUS
Samuel B. Applebaum, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application September 14, 1937, Serial No. 163,843
8 Claims. (Cl. 210—16)



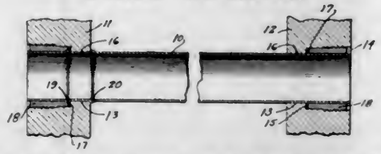
1. Water treating apparatus for continuous flocculation comprising a settling chamber, a cylindrical upright member, liquid inlet and outlet means at opposite ends of said member directing a vertical flow therethrough of liquid carrying impurities to be flocculated, the outlet means communicating with the settling chamber, means for adding a reagent to the liquid entering through said inlet means, high speed agitator means adjacent the inlet end of the member for imparting speedy horizontal rotary motion to the flowing liquid with agitation and homogenization thereof, relatively slow motion horizontal rotary agitator means in a succeeding relation to said high speed means, two vertical shafts for driving said agitator means and means for respectively rotating said shafts at different speeds and mounted above said member.

2,179,247
SELF-BALANCING CREEL
William W. Arnold, Jr., Knoxville, Tenn.
Application December 28, 1938, Serial No. 248,033
12 Claims. (Cl. 57—59)

1. A rotatable creel for twisting strands in the formation of cord, said creel comprising a plurality of spaced spools of strand material, means enabling said creel to tilt in response to any centrifugal unbalance, said means including a support and guide for said creel at the top and bottom arranged to facilitate tilting of the creel at both the top and bottom.



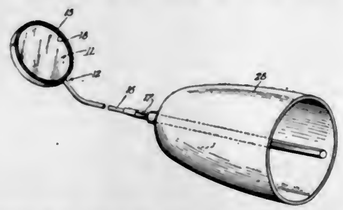
2,179,248
TUBE HOLDING STRUCTURE AND LOCK
Joseph M. Bandish and Orville Markel, Chicago, Ill.
Application May 3, 1937, Serial No. 140,472
1 Claim. (Cl. 285—56)



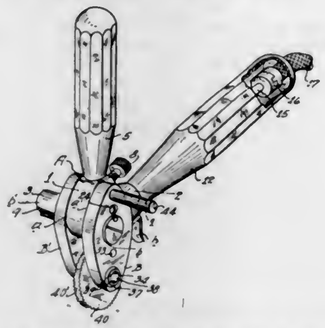
In a tube structure including a plate and a tube connected thereto, means for fastening and sealing an end of the tube in a transverse hole in said plate countersunk at one end portion and having sealing packing in the countersunk portion of the hole which abuts a shoulder at the bottom of the countersunk portion, said means comprising longitudinally spaced circular beads depressed radially from the wall of the tube after insertion of an end of the tube in said hole, one bead being depressed outwardly into engagement with a side edge of the plate at an end portion of the hole opposite from its countersunk portion, and the other bead being depressed outwardly within the confines of said plate into engagement with an edge of said shoulder inside said hole and against said packing, said edges engaged by said spaced beads facing in opposite longitudinal directions, whereby the portion of said plate defining the uncountersunk end portion of the hole is tightly interlocked with said tube by said beads to prevent longitudinal movement of said tube in either direction relative to said hole.

2,179,249
FLUOROSCOPE FOR THE ORAL CAVITY AND METHOD OF MAKING THE SAME
Armando F. Conto, Chicago, Ill.
Application May 29, 1937, Serial No. 145,459
6 Claims. (Cl. 250—80)

1. A dental fluoroscope comprising a pair of sheet-like members, at least one of which is transparent, a substantially ring-shaped spacer member arranged between said sheet-like members for spacing them apart, fluorescent material in the space defined by the ring-shaped member between said sheet-like members, and a peripheral edge seal integral with said sheet-like members holding the same and said ring-shaped member in assembled relationship about said fluorescent material and hermetically sealing said fluorescent material therein.



2,179,250
BONE SAW
Emile R. D'Amato, St. Louis, Mo., assignor to A. S. Aloe Co., St. Louis, Mo., a corporation of Missouri
Application March 31, 1937, Serial No. 133,952
16 Claims. (Cl. 128—317)

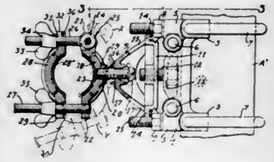


1. In a bone saw, in combination, a body-block, a pressure hand-grip disposed upon the block, a guiding hand-grip disposed upon the block in obliquely angular relation to, and having its longitudinal axis disposed in the same plane as the longitudinal axis of, the pressure hand-grip, a disk-blade, and means engaged with the block and blade for supporting the blade for rotary actuation in peripheral alignment with, and substantially in the same plane as the axes of, said grips.

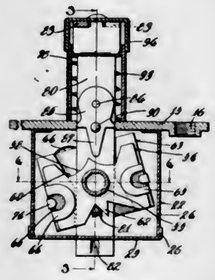
2. In a bone saw, in combination, a body block, parallel frames disposed upon opposite sides of the block, a pair of separate endwise aligned shafts operatively mounted on the frames, a pair of disk-blades operatively mounted on the shafts for rotation in aligned juxtaposition, and means for rotarily actuating the blades.

2,179,251
WIRE TONG SUPPORT
Elon J. De Right, Kansas City, and Melvin T. Tipsord, St. Louis, Mo., assignors to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application February 8, 1937, Serial No. 124,574
5 Claims. (Cl. 248—226)

4. A supporting device adapted for attachment to a support of angular cross-sectional shape, comprising a base element of angular formation adapted to be arranged in assembled relation with respect to said support, means comprising pairs of bolts supported by said base portion for securing said base element in such assembled relation with respect to said support, the bolts of each pair of bolts being disposed in crossed relation and said bolts being provided with hook-shaped end portions which engage portions of said support, a member associated with said base element, and means for connecting said member and said base element together, said means including an element connected intermediate its ends to said base element and having offset opposite end portions which extend through openings formed in said member.



2,179,252
ELECTRICAL CONTROL MEANS
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application March 31, 1937, Serial No. 133,952
6 Claims. (Cl. 200—6)

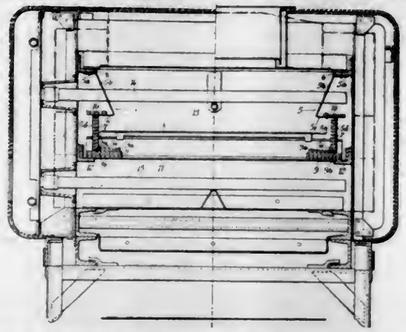


1. Electric switching mechanism, comprising: supporting means; actuated means, bridge means secured to and movable with said actuated means relative to said supporting means in a plane generally parallel to the plane including said supporting means; contact means carried by and extending transversely from said supporting means, and adapted to be engaged by said bridge means; and generally rectilinearly movable means movable between said bridge means and said actuated means for effecting movement of said bridge means.

2,179,253
BISCUIT OR LIKE OVEN
Claude Dumbleton, Peterborough, England, assignor to Baker Perkins Company Inc., Saginaw, Mich.
Application March 30, 1937, Serial No. 133,879
In Great Britain April 2, 1936
4 Claims. (Cl. 107—57)

1. In an oven having an endless band conveyor, means comprising upstanding baffles extending along and arranged to screen the edges of the conveying lap of said band, the upstanding baf-

fle means at each edge of the conveyor being independent of that at the other edge and yield-

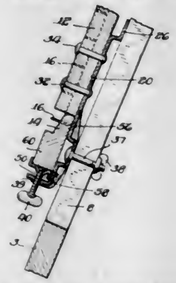


ably mounted for lateral displacement in response to lateral tracking deviations of the conveyor.

2,179,254

SELF-SQUARING CURTAIN STRETCHER

James J. Dvorak, Chicago, Ill.
Application April 6, 1937, Serial No. 135,251
4 Claims. (Cl. 45—24)



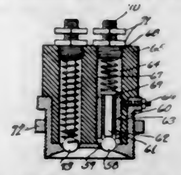
1. A curtain stretcher comprising a plurality of stretcher bars, a pair of supporting standards, a plurality of clamping devices for clamping adjacent bars and securing the same to said standards, said clamping devices each comprising a clamping member having a main body portion fixedly secured to a stretcher bar, a clamping portion lying in the same plane as said body portion and adapted to extend beyond the end edge of said bar, said clamping portion having an outwardly offset section, and an end portion bent at right angles to the plane of said clamping and body portions, means carried by said offset section for securing the bar to a standard, adjustable clamping means slidably mounted upon the clamping portion of said clamping member and extending at right angles thereto to receive and position the adjacent bar and means carried by the end portion of said clamping member for adjusting said adjustable means whereby to clamp adjacent bars together and to cause said bars automatically to assume a perpendicular relation to each other.

2,179,255

PRESSURE INDICATOR

Allie Edmonston, Wellston, Mo., assignor to Air Pressure Indicators, Inc., St. Louis, Mo., a corporation
Application May 23, 1938, Serial No. 209,446
5 Claims. (Cl. 200—58)

2. In a switching device of the kind described for a rotatable wheel having a rim and inflated tire thereon, a bushing extending through the opening in the rim and having a bottom part contacting the inflated tire, seats formed in the bushing, a body of non-conducting material supported by the bushing and having a pair of bores therein, plugs having terminal posts mounted in one

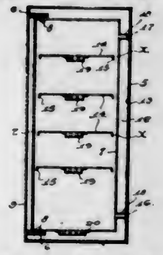


end of the bore, ball members in the bores, and spring means in the bore tending to press the ball members against their seats, one of the bores having a metal sleeve therein which is insulated from the spring means and electrically connected with the bushing, said metal sleeve being contacted by the ball to close a circuit when the pressure in the inflated member is excessive.

2,179,256

HEATING, DRYING, AND STERILIZING CABINET

Walter Lawrence Gill, Redlands, Calif.
Application October 14, 1936, Serial No. 105,596
2 Claims. (Cl. 219—35)



1. In combination, a hollow-walled cabinet, shelves laterally spanning the same, and spaced at their longer edges from the walls of said cabinets, ducts extending longitudinally of the shelves upon the under sides thereof, heating elements arranged in series and threaded through said ducts, the conductors of said heating elements passing between inner and outer walls of the cabinet in their passage between the shelves and door like means through which articles to be dried may be introduced into the spaces between and placed upon said shelves.

2,179,257

INDUCTION COIL

Vladimir S. Golovinnin, New York, N. Y.
Application April 13, 1938, Serial No. 201,783
6 Claims. (Cl. 175—359)



1. An induction coil formed of a plurality of turns of insulated wire, each insulated turn being

wound in continuous contact with the preceding and succeeding insulated turns, the turns progressively diminishing in diameter toward the ends of the coil to the extent that the insulated turns alone form a fully closed hollow body of revolution, the insulated turns being cemented together in such a relationship as to form a rigid shell of a thickness equal to the thickness of the insulated wire.

2,179,258

COMPOSITION FOR SOLDERING METAL

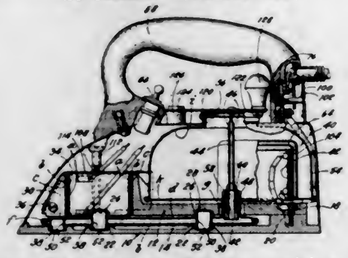
John Frederick Howarth, Long Beach, N. Y., assignor of one-half to Albert I. Elias, New York County, N. Y.
No Drawing. Application January 22, 1937, Serial No. 121,824
2 Claims. (Cl. 148—26)

1. A composition for soldering metals comprising, 1 to 3% sodium fluoride, 12 to 25% ammonium chloride, 74 to 87% zinc chloride.

2,179,259

ELECTRIC STEAM IRON

Lester L. Jones, Oradell, N. J.
Application March 5, 1938, Serial No. 194,055
26 Claims. (Cl. 219—38)

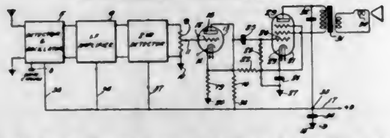


1. An electric steam iron comprising a heat distributor, an electric heater therefor localized in one region thereof, a steam generating receptacle, a separate electric heater for the steam generating receptacle, the said receptacle being also thermally related to the said heat distributor.

2,179,260

AUDIO FREQUENCY AMPLIFIER

Mack C. Jones, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1938, Serial No. 205,231
8 Claims. (Cl. 250—20)

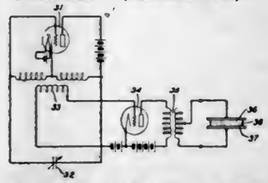


1. In a radio receiving system including an oscillator, an audio frequency amplifier and a common plate supply circuit for said oscillator and amplifier, means for preventing the amplifier from appreciably loading the common plate supply circuit to cause fluttering in the oscillator at low frequencies comprising two amplifier stages, each including an amplifier tube having a cathode, an interstage impedance coupling network and a common cathode coupling network therefor, said networks jointly providing a frequency response characteristic in a predetermined low audio frequency range for introducing regenerative feedback between said amplifier stages and degenerative feedback below that range through the same circuit and circuit elements thereof.

2,179,261

METHOD AND APPARATUS FOR HEATING DIELECTRIC MATERIALS

Arthur C. Keller, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 11, 1937, Serial No. 158,551
7 Claims. (Cl. 219—47)

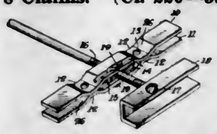


1. In an electrostatic heating system, heating electrodes, material to be heated between the electrodes and an oscillation generator having a frequency determining circuit comprising inductance and capacity, the capacity consisting substantially entirely of that between said electrodes.

2,179,262

DOOR BUCK SUPPORT

Julian Gordon Knight, Brooklyn, N. Y.
Application April 23, 1937, Serial No. 138,527
8 Claims. (Cl. 220—3.3)



1. A buck support comprising relatively spaced bars of a length to engage back of the marginal flanges of a steel door buck, said bars being bendable for varying the effective length of the same to fit door bucks of different sizes, a member having a screw connection with said bendable bars for exerting a holding thrust against the back of a buck in which the support may be engaged, said screw connection being provided by a nut piece disposed across spaced portions of said bars, the thrust member being a screw rod extending through said nut piece between the bars, said screw rod projecting from the nut piece to form a support for a switch box, outlet box, or other element and said nut piece having a sliding engagement lengthwise of the bars to enable adjustment of said support transversely of a buck to which the support may be applied and said nut piece further having an angled end projecting over and slidingly engaging the outer face of one of the bars to hold said nut piece against rotation while slidably adjustable along the bars.

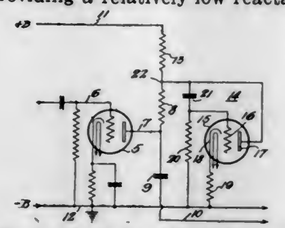
2,179,263

AUDIO FREQUENCY AMPLIFIER

Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1936, Serial No. 113,473
4 Claims. (Cl. 179—171)

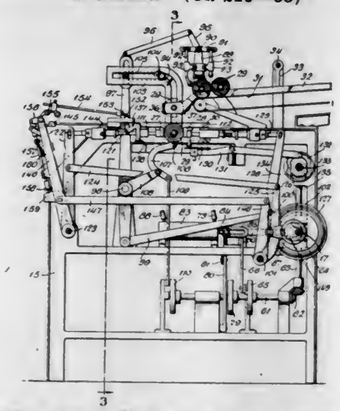
1. In an audio frequency amplifier, a filter circuit comprising a filter resistor and an electric

discharge amplifier tube, means providing a relatively high impedance path between the input electrode thereof and the cathode, and a capacitor providing a relatively low reactance path



between the anode and said input electrode and providing the sole impedance element in circuit between said electrodes, said anode being connected to a point in said amplifier at which surges tend to develop.

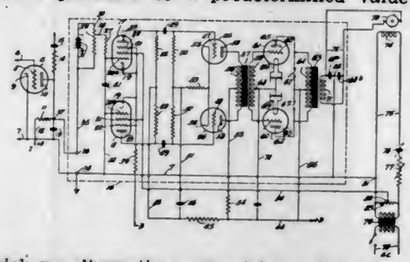
2,179,264
LABEL AFFIXING MACHINE
Vincent Lobasso, New York, N. Y.
Application June 14, 1939, Serial No. 279,097
13 Claims. (Cl. 216—55)



11. In a label affixing machine, means to partially extend a label about an article, two cooperating elements for successively extending the ends of said label about said article, means operable be ween the successive operations of said two elements for folding one end of said label away from the other end to expose a surface of the latter end and for thereafter extending the first named end in overlapping relation to the other end, and means to apply adhesive to one of said ends before the same are overlapped.

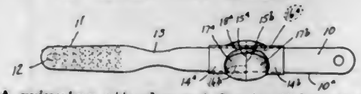
2,179,265
DIRECT CURRENT AMPLIFIER
David G. C. Luck, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 14, 1937, Serial No. 159,025
3 Claims. (Cl. 179—171)

1. A direct current controlled alternating current amplifier including a pair of electron discharge devices provided with push-pull connected output circuits and with parallel connected pairs of input circuits, means for applying alternating potential to one of said pairs of input circuits, means for applying a unidirectional control potential to one of the other pair of said input circuits, and means for adjusting said unidirectional control potential to a predetermined value at



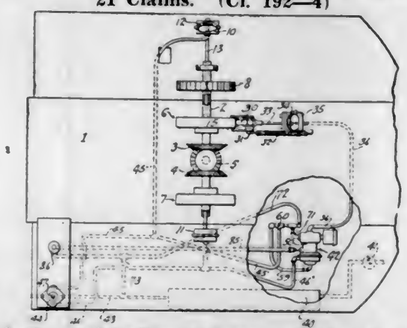
which no alternating current is produced in said output circuits whereby variations of said control potential from said value varies the alternating current delivered from said output circuits.

2,179,266
GRIP ATTACHMENT FOR BRUSH HANDLES
Emery D. Lukenbill, Indianapolis, Ind.
Application October 8, 1937, Serial No. 167,953
6 Claims. (Cl. 15—145)



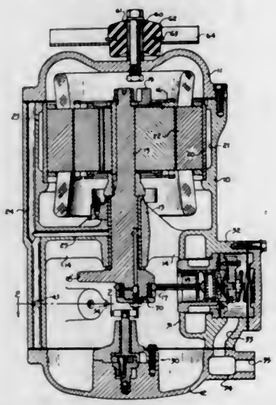
1. A gripping attachment for toothbrushes and the like having a substantially co-planar brush head and elongated flat-like handle, the bristles extending approximately transverse to the common plane, said attachment including a handle enveloping arrangement for detachable mounting thereon remote from the head and a thumb bearing portion providing a bearing area of a width greater than that of the handle and inclined relative to the common plane.

2,179,267
DIFFERENTIAL FLUID PRESSURE LINE CONTROL
George E. Miller, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application July 13, 1938, Serial No. 219,054
21 Claims. (Cl. 192—4)



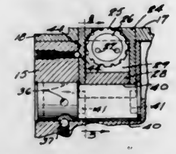
1. In combination, a driven member, a clutch means and a brake means associated therewith, one having an applying and the other a releasing action imparted thereto by vacuum action, a vacuum source, means establishing communication between said source and each of said clutch and brake means and including a control valve and an automatic valve, said automatic valve having a vacuum shut-off valve and a relief valve in said brake communication and also having vacuum actuated means to open said shut-off valve and close said relief valve, said control valve being operable to permit vacuum actuation of said last means and vacuum actuation of said clutch.

2,179,268
TWO-CYLINDER COMPRESSOR
Charles R. Neeson, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 16, 1937, Serial No. 180,099
3 Claims. (Cl. 230—187)



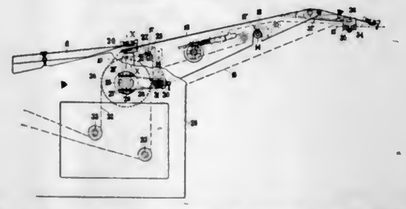
1. A two-cylinder compressing unit comprising a hermetically sealed motor-compressor assembly including a vertical crank shaft and two reciprocating pistons operated thereby, said pistons being located at a 90° angle to each other, and a resilient single-point suspension member for the unit laterally spaced from the centerline of the unit along a diameter substantially bisecting the angle between the pistons, said member being laterally spaced from the longitudinal centerline of the unit by a distance sufficient to cause said unit to hang substantially vertical when at rest.

2,179,269
ADJUSTABLE PRINTING DIE
Jacob W. Ogden, Springdale, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application November 24, 1936, Serial No. 112,465
7 Claims. (Cl. 101—110)



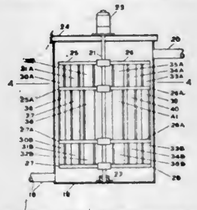
1. In combination with a printing member having a relatively stationary indicia die printing surface; a sleeve having a postmark printing die surface and slidably positioned within said indicia die, dater type wheels, and a support for said type wheels slidably positioned within said sleeve.

2,179,270
ENDLESS BAND CONVEYER
John Currie Paterson, Peterborough, England, assignor to Baker Perkins Company Inc., Saginaw, Mich.
Application March 12, 1937, Serial No. 130,519
In Great Britain March 20, 1936
6 Claims. (Cl. 198—29)



1. In a conveyer assembly comprising a panning conveyer and an oven conveyer band to which the panning conveyer delivers, in combination, a mounting for the panning conveyer whereby the panning conveyer is oscillatable about a vertical axis, means operatively connected to the panning conveyer and engaging the oven band so as to impart lateral oscillatory movement to the panning conveyer about said axis on deviation of the oven band.

2,179,271
AGITATOR
Eric Pick, East Rockaway, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application March 30, 1939, Serial No. 264,922
5 Claims. (Cl. 259—107)

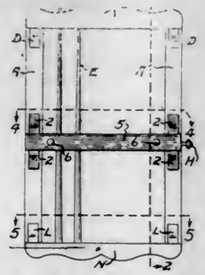


1. An agitator for liquids comprising a shaft, power means for rotating the shaft, cross means attached to the shaft, and blades extending in a direction parallel to the shaft and attached to said cross means on one side of the shaft at oblique angles to said cross means and on the opposite side of the shaft at oblique angles inclined in the opposite direction to the first mentioned angles, the oblique angles increasing progressively from blade to blade on each side of the shaft in a direction away from the shaft.

2,179,272
CUE RACK AND SLIDABLE LOCKING MEANS THEREFOR
William Poma, Detroit, Mich.
Application July 21, 1938, Serial No. 220,418
1 Claim. (Cl. 211—4)

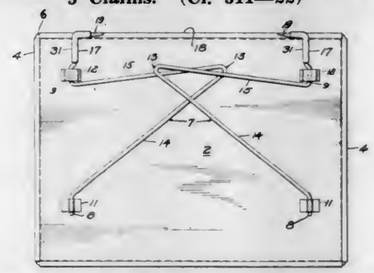
In a cue rack, a pair of vertically disposed panels, an upper cross member and a lower cross member being secured to said panels; slidable locking means comprising a central cross member, a recessed channel within the front portion of said cross member and extending completely across the entire width of the aforesaid rack, a gate and means thereupon whereby said gate

slidably engages said recess, fastening means upon said cross member and associate means upon said



gate for locking the gate with respect to the rack aforesaid.

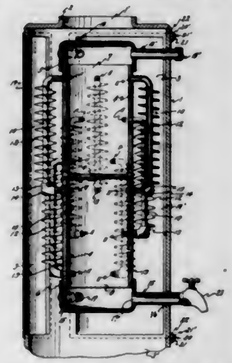
2,179,273
SERVING TRAY
Jean S. Ponten and Olaf W. Ponten, Oakland, Calif.
Application May 4, 1937, Serial No. 140,655
5 Claims. (Cl. 311—22)



4. A serving tray for automobile doors having a window frame and a window glass therein, comprising an article supporting plate, a pivoted supporting bracket for said plate comprising spaced coaxial pivotal portions positioned adjacent to the under side of the plate, a loop connecting said pivotal portions, the plane of said loop being substantially perpendicular to the plane of the plate when said loop is in open position, an end portion extending substantially in the plane of said loop, and an intermediate portion interposed between said loop and said end portion, and spaced supporting members on said plate providing a pivotal mounting for said pivotal portions.

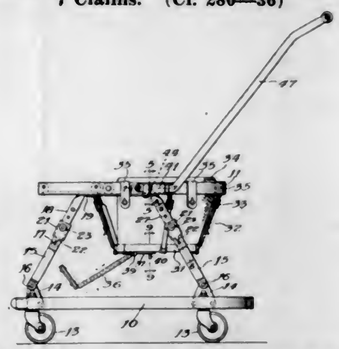
2,179,274
WATER HEATER
Ulysses G. Rogers, Jackson, Mich., assignor of one-half to John J. Gallagher
Application October 28, 1938, Serial No. 237,516
3 Claims. (Cl. 122—245)

1. In a water heater, an outer, closed shell housing a heating unit and a combustion chamber, a water column suspended therein, closed at both ends by suitable caps, divided horizontally into two separate water chambers by a partition, a plurality of independent intercommunicating means for connecting the water chambers through divergent tubular passages, disposed in series around and outside thereof, a suitable closure for the top of the combustion chamber with an orifice therein giving vent into a flue disposed on the top thereof for the escape of ascending combustion smoke and gases, a plurality of cold water intake conduits entering the combustion chamber through suitable orifices in the outer shell, connecting with and penetrating the lower water chamber cap, a plurality of hot water discharge pipes extending outwardly through the sidewall of the upper water chamber cap through portholes therein and thence outwardly through suitable orifices in the wall



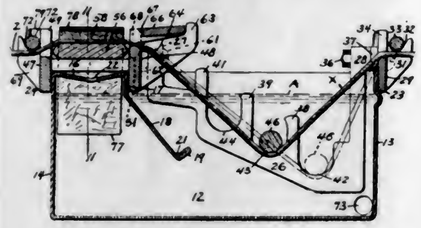
of the outer shell, the discharge and intake pipes being threaded on their outward ends to receive threaded connections, threaded caps to close the ends of certain of the discharge and intake pipes while they may not be in use as water conveyors, the discharge pipes and the intake pipes being adapted to establish means for suspending the water column and its appurtenances within the combustion chamber.

2,179,275
COLLAPSIBLE BABY WALKER AND CARRIAGE
Maurice Sacheroff, Cleveland Heights, Ohio
Application May 13, 1938, Serial No. 207,718
7 Claims. (Cl. 280—36)



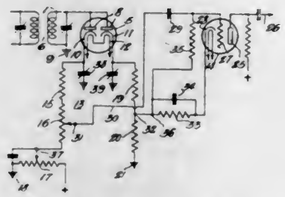
1. A collapsible baby walker comprising an open bottom frame, a top or body frame having a seat supported therefrom and a plurality of linkage systems connecting the frames, each of said linkage systems comprising a plurality of elongated members pivotally joined in end to end relationship, one of said members having its free end rigidly secured to one of said frames, said members being adapted to have an extended position to support the top frame above the bottom frame and a contracted position to permit the top frame to telescope into the bottom frame to provide a compact package.

2,179,276
YARN GUIDING, CONDITIONING, AND TENSIONING DEVICE
John M. Seasholtz, Reading, Pa., assignor to J. M. Seasholtz & Sons, Inc., Reading, Pa., a corporation of Pennsylvania
Application December 16, 1937, Serial No. 180,170
12 Claims. (Cl. 91—32)



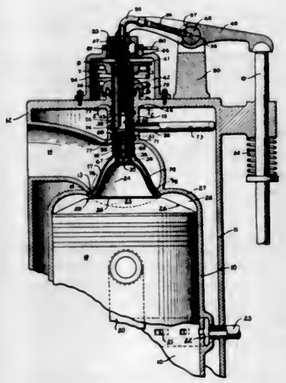
2. A tensioning and moistening device for a plurality of yarns and the like comprising in combination, a liquid tank having a substantially horizontal drain plate, a yarn guiding device having vertical walls with means bridging said drain plate, intermediate means connecting said walls with a rear wall, a plurality of open grooves in each of said walls for receiving and guiding yarns, brackets associated with each of said walls, seats in said intermediate means located at different levels in said tank for receiving a unitary member which directs said yarns into a bath in said tank, unitary means resting in the brackets of said walls for preventing the yarns from leaving said grooves, a glass strip resting on said bridging means, and a pliant material strip for holding said yarns against said glass strip to tension said yarns and extract excess liquid therefrom.

2,179,277
MODULATED CARRIER WAVE RECEIVING SYSTEM
Leland E. Thompson, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1937, Serial No. 177,366
8 Claims. (Cl. 250—20)



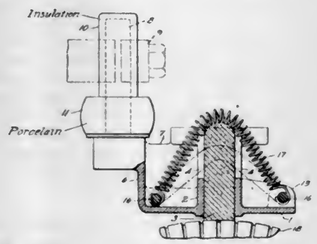
1. In a modulated carrier wave receiving system, a modulated carrier wave signal circuit, a diode rectifier device connected with said circuit and having two output electrodes, means providing two balanced output impedance circuits for said rectifier device each comprising an output electrode of said rectifier, means providing an output tap connection on said output impedance circuits at substantially equal potential points thereon whereby the output from said circuits through said tap connections may be balanced, and means responsive to variations in the amplitude of a received carrier wave for applying a biasing potential to said rectifier device through one of said output impedance circuits.

2,179,278
INTERNAL COMBUSTION ENGINE
Allan R. Wurtele, Mix, La.
Application May 3, 1937, Serial No. 140,319
3 Claims. (Cl. 123—32)



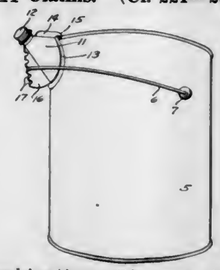
1. In an internal combustion engine, a power cylinder, a cylinder head therefor having a centrally disposed port therein, a valve for said port having a recess in the face thereof, the innermost portion of said valve being in a plane adjacent the inner surface of said cylinder head, means for injecting fuel through said valve into said recess, a piston operable in said cylinder having a recess in the top thereof, said recesses having outlets which are of substantially equal area and being adapted to cooperate with one another to form a pre-combustion chamber when the piston is at the top of its stroke, and an annular main combustion chamber formed by the wall of said cylinder and the annular portion of the top of said cylinder around the recess in the latter, communication between said chambers being materially restricted when the piston is at top dead center.

2,179,279
BRUSH HOLDER
Winston A. Brecht, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 28, 1938, Serial No. 204,730
7 Claims. (Cl. 171—324)



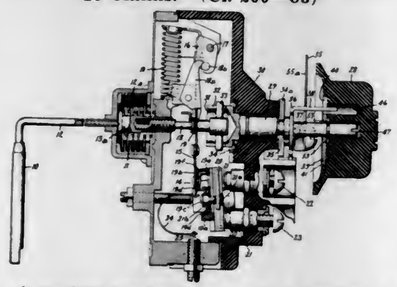
1. In a brush holder having a boxlike body portion, a brush supported in the body portion and a resilient tension member secured at each end to the body portion and extending across the brush to exert pressure thereon.

2,179,280
ADJUSTABLE SPOUT FOR CANS
George H. Cary, Minneapolis, Minn.
Application November 7, 1938, Serial No. 239,208
11 Claims. (Cl. 221—23)



1. The combination with a can having an upstanding rim and a lateral discharge passage located below said rim, of a pouring spout provided at its upper portion with a lock flange detachably engageable with said upstanding rim, and a device anchored to the body of the can and engageable with a lower portion of the spout structure to hold the same seated with its rim tightly pressed against the body of the can and with the spout in position to receive the contents of said can through said lateral passage.

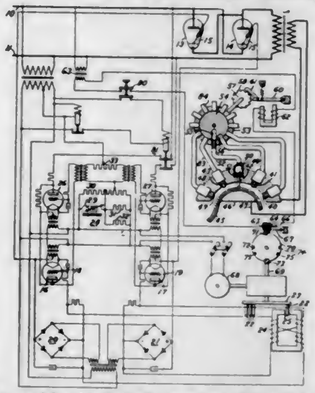
2,179,281
CONTROL DEVICE
Raymond L. Coultrip, Waukegan, Ill., assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill., a corporation of New York
Application July 6, 1938, Serial No. 217,700
10 Claims. (Cl. 200—83)



1. A control device comprising a control member, an operating member for said control member, an adjustment member on one of said members arranged to be fitted in fixed relation with the other member and also to be fitted in fixed interlocking relation with said one member in each of a series of adjusted positions, and means for securing said adjustment member to said one member to hold it in any one of said positions and arranged to release it so that while it is attached to said one member it can be tilted out of one of said positions and shifted to and moved into any other of said positions.

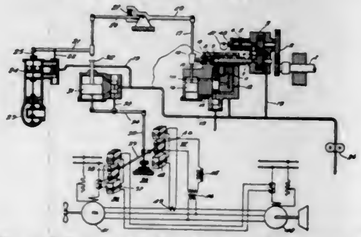
2,179,282
ELECTRONIC SPOT WELDING CONTROL
John W. Dawson, Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1938, Serial No. 206,639
5 Claims. (Cl. 219—4)

1. A system for a welding load comprising a plurality of electrodes adapted to be applied to said load, mechanical means for selectively applying said electrodes to said load, connections to a source of electrical energy, timing means



applying said electrical energy to said welding load, means for operating said timing means, and electrical means actuated by said operating means and operating said mechanical means.

2,179,283
REGULATING SYSTEM FOR GENERATOR DRIVING ENGINES
Theodor Deeg, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1938, Serial No. 218,751
In Germany July 16, 1937
12 Claims. (Cl. 290—17)

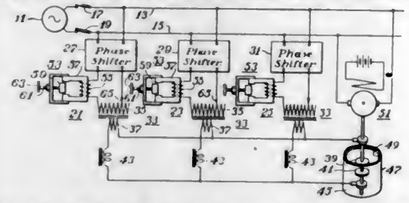


1. In a ship propulsion system, in combination, a generator, a motor, a turbine for driving the generator, and means, responsive to the ratio of the maximum permissible motor torque to the transmitted torque adapted to control the steam admission to the turbine.

2,179,284
HIGH SPEED WELDING
Hymen Diamond, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1938, Serial No. 214,027
12 Claims. (Cl. 219—4)

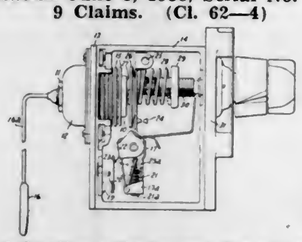
1. The method of resistance welding with a source of alternating current which comprises passing a plurality of current impulses dephased with respect to each other through the work to be welded during each half cycle of alternating current, and moving the work at a speed to effect individual welds at spaced points along the joint being welded.

4. Apparatus for seam welding material at a high speed from a source of alternating current of commercial frequency comprising a single circuit through which power is supplied to weld said material, a plurality of supply channels interposed between said source and said circuit and



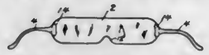
means for adjusting the phase of the current supplied through each said channel relative to the waves of said source to a value such that half waves of current are supplied in sequence from said channels at intervals less than a half cycle of said source.

2,179,285
TEMPERATURE CONTROL DEVICE
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 3, 1938, Serial No. 211,591
9 Claims. (Cl. 62—4)



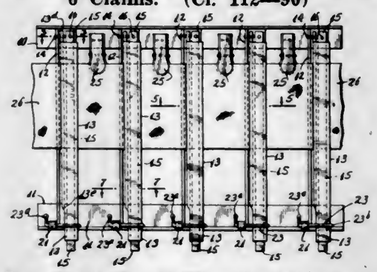
1. A defrosting attachment for an expansible bellows-operated refrigerator control comprising a shaft slidable longitudinally along the path of expansion of the bellows between two positions in and out of operative relation with the bellows, a knob on one end of said shaft having a cam face, a relatively fixed cam cooperating with said first mentioned cam, said cams enabling said shaft to be slidably moved in and out of the path of expansion of said bellows, and a helical spring encircling said shaft disposed for biasing said shaft to oppose the expansion of the bellows when said shaft is in operative relation therewith.

2,179,286
EYESHIELD OR THE LIKE
John A. English, Trenton, N. J.
Application January 7, 1939, Serial No. 249,736
5 Claims. (Cl. 2—12)



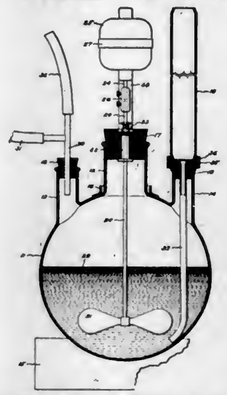
1. An eyeshield comprising an eye piece formed of an elongated strip of thin, flat, flexible material having an edge thereof formed with a portion for engaging a wearer's nose, ear pieces connected to the eye piece adjacent the ends thereof by a fixed and inflexible connection whereby the ear pieces tend normally to assume positions in which they lie substantially in the same plane as the eye piece, and serve when moved into position to engage the ears of a wearer to flex said eye piece so that the eye piece extends in an arc from said ear pieces and is held away from the wearer's face, said ear pieces and nose engaging portion of the eye piece constituting the sole support for the device when in use.

2,179,287
FRAME FOR SHIFFLI EMBROIDERY MACHINES
Abraham Eskind, Brooklyn, N. Y.
Application March 30, 1939, Serial No. 264,893
6 Claims. (Cl. 112—90)



1. In a frame for Shiffli embroidery machines, a pair of spaced parallel side arms, a plurality of parallel spaced bars mounted between said arms and each bar being of channel shape in cross section with one of the sides of the channel shape narrower than the other and having an outwardly extending flange, an angle member for each bar and hingedly mounted thereon and movable to have one of its legs engage in the channel shape and the other of its legs extend over said flange, a rod for each of said flanges pivotally mounted thereon and movable to a position between the flange and the adjacent leg of the angle member, a bolt for each angle member and rod and slidably mounted on one of said side arms for extending over the angle member and having a hooked end engageable over the rod when the bolt is turned.

2,179,288
METHOD OF COATING LUMINESCENT TUBES
Theodore W. Frech, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application August 24, 1938, Serial No. 226,566
2 Claims. (Cl. 91—70)



1. The method of applying a coating of powdered luminescent material to the inner wall of a glass tube having both ends open which com-

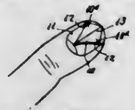
prises mounting said tube in a vertical position, flowing upwardly into said tube from the lower end thereof a coating solution containing a finely divided luminescent material in suspension, withdrawing said coating solution from said tube to thereby form a primary deposit of the solution on the inner wall of said tube, drying said primary deposit of coating solution while said tube is still in said vertical position, inverting said tube and again flowing thereinto in the same manner as before the said coating solution, withdrawing said coating solution from said tube to thereby form a secondary deposit of the solution on the inner wall of said tube, and drying said secondary deposit of said coating solution while said tube is still in said inverted position.

2,179,289
TERRAZZO CONSTRUCTION
Theodore V. Galassi, Providence, R. I.
Refiled for abandoned application Serial No. 22,508, May 21, 1935. This application February 13, 1939, Serial No. 256,181
8 Claims. (Cl. 94—3)



1. In a terrazzo floor construction, a base consisting of a mixture of cement, sand and sawdust, spaced strips of marble embedded in said base and extending upwardly from the surface thereof, and terrazzo layers between said spaced strips.

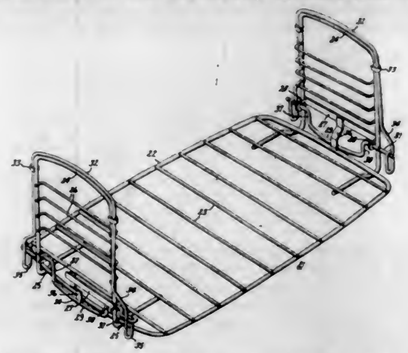
2,179,290
FILE GUIDE FOR NAILS
Mary C. Gore, New York, N. Y.
Application June 7, 1938, Serial No. 212,293
7 Claims. (Cl. 132—73)



1. A file guide for finger nails, comprising a flexible sheet adapted to conform with the curvature of one's finger nail and having a front apex the sides of which serve to guide the filing of the nail, said sides terminating in side corners adapted to be placed within the corners of one's nail to guide correct longitudinal positioning of the guide on the nail, an element on said sheet central of the front apex to guide correct lateral centering of the guide on the nail, and means for securing the front portion of said guide to the nail.

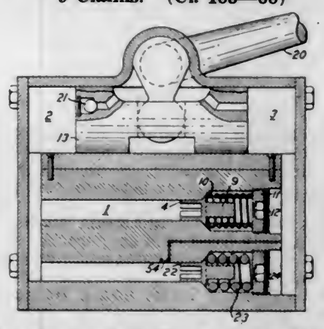
2,179,291
RACK FOR COOKING UTENSILS
David W. Gustaveson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application March 10, 1939, Serial No. 261,008
12 Claims. (Cl. 53—1)

1. A rack for a cooking utensil comprising a base portion, stationary handles mounted on said base portion, supports movably mounted on said base portion and constructed and arranged to move from retracted non-supporting positions to extended supporting positions wherein they engage the upper edge of said utensil to hold the base portion in an elevated position, stops engaging said supports to define said extended supporting positions, and operating members superposed on said stationary handles and mov-



able relatively to said stationary handles and said base portion to move said supports from their retracted positions to their extended positions against said stops.

2,179,292
LIQUID PRESSURE CONTROL APPARATUS
Clinton R. Hanna, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1938, Serial No. 226,764
9 Claims. (Cl. 188—88)

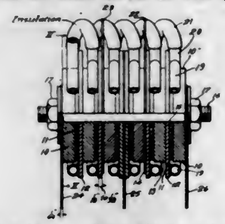


1. A valve system for a hydraulic motion-damping device, comprising a valve that is spring loaded with zero initial pressure and that is designed to provide an area of opening proportional to the pressure of the fluid tending to open the valve, and a thin-walled orifice in series with the valve to establish a cooperative combined effect upon the hydraulic fluid that will render the pressure responsive to the fluid displacement.

2,179,293
COOLED CONTACT RECTIFIER
Carl C. Hein, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1938, Serial No. 226,645
3 Claims. (Cl. 175—366)

1. An article comprising a plate contact member, a metal member adjoining said contact member, said plate contact member having an area outside of its contact portion with said metal

member, a container for a cooling medium integrally secured to said area of the plate contact



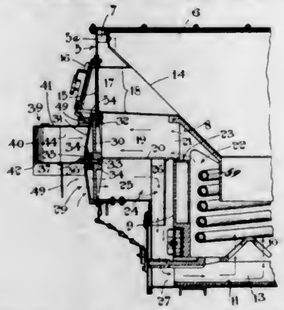
member and a layer of an electronically conducting compound on said metal member.

2,179,294
DIAMOND STUDDED WATCH ORNAMENTATION
Harold B. Heit, New York, N. Y.
Application March 21, 1938, Serial No. 197,056
3 Claims. (Cl. 58—88)



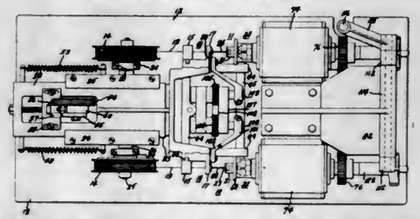
3. In combination with a watch having a case with an opening for a dial and a dial beneath said opening, an ornamental annular member resting against the dial along its peripheral edge portion and having a groove along its edge portion, and a crystal for the watch having its edges engaging beneath the bezel of the case and into said groove, said annular member being made of arcuate sections hingedly connected so as to pivot in a plane adjacent the plane of said dial, and said case being formed with openings in its sides aligned with said arcuate sections through which an element may be engaged to force the sections to pivot free from the holding action of said crystal.

2,179,295
CHARCOAL BURNER
St. Clair C. Holland, Montreal, Quebec, Canada
Application June 9, 1937, Serial No. 147,331
In Canada December 10, 1936
6 Claims. (Cl. 126—73)



1. A burner of the character described comprising a casing having a fuel magazine in the upper portion thereof, a fire pot arranged in the lower portion of the casing to receive fuel from said magazine, a horizontal smoke flue extending outwardly from a lateral opening in the upper wall portion of the fire pot to the front of said casing, an air admission flue including an outer horizontal portion positioned directly below the smoke flue and an inner vertical portion extending downwardly from the inner ends of the horizontal portion to deliver air toward the ash pit of the fire pot, a single rotary damper mounted at the front of the casing to control the outflow of combustion supporting air through the air flue, a ventilator casing secured to the burner casing so as to overlie the upper half of the damper, said ventilator comprising a casing which is open at both ends and is provided with a further opening in its front wall located directly in front of the upper portion of the damper, deflectors arranged in the ventilator casing so that air entering either end of said casing is directed toward the front opening and a baffle plate depending from the bottom wall of the ventilator casing in spaced relation to the lower half of the damper.

2,179,296
FILAMENT COILING MACHINE
Fred B. Iden, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application October 1, 1938, Serial No. 232,823
7 Claims. (Cl. 153—67)

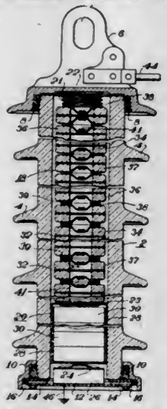


1. An automatic machine for forming coiled lamp filaments comprising a mandrel, means for advancing an end of the filament wire to a position adjacent said mandrel, a coiling head surrounding one end of said mandrel and aligned therewith, means mounted on the coiling head for gripping said end of the filament wire, means for rotating said mandrel and the coiling head to cause said filament wire to be coiled around said mandrel, means for engaging the wire being coiled and moving along the length of the mandrel at a predetermined rate with respect to the rotation of the coiling head for advancing the wire therealong to space the turns of the wire as it is being coiled, means for actuating the gripping means on said coiling head to release the end of the filament wire held thereby, means for severing said filament wire adjacent the end of the mandrel to separate the coiled portion forming the lamp filament from the remainder and means for retracting the mandrel into the coiling head to withdraw it from the coiled filament.

2,179,297
PORCELAIN-SURFACE PROTECTION
Frederick B. Johnson, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 8, 1938, Serial No. 228,930
9 Claims. (Cl. 175—30)

1. In a lightning arrester for a transmission line or the like and of a type which breaks down and becomes a relatively good conductor when an excess voltage surge occurs but which requires a small multiple greater than unity of the

crest value of normal frequency voltage to break down under usual operating conditions of the line, a gap stack comprising a plurality of gaps in series circuit relation and each comprising a pair of electrodes, with insulating means for maintaining the electrodes of each pair in spaced relation, a porcelain weather casing about said



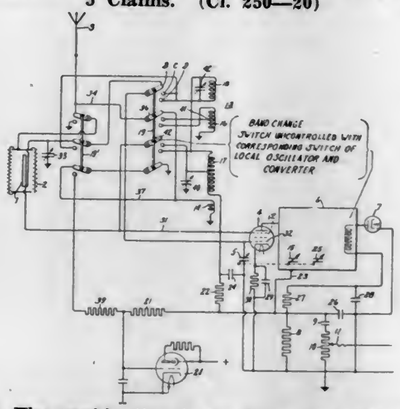
stack of gaps, said means spacing the electrodes of each said gaps distances which are greater where the normal electrostatic field is made more intense during conditions which affect the exposed surface of said casing in a manner as to render it the equivalent of a high leakage resistance such as occurs if the said surface is thoroughly wetted.

2,179,298

SIGNAL SYSTEM

Arthur G. Manke, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application June 2, 1938, Serial No. 211,428
5 Claims. (Cl. 250—20)



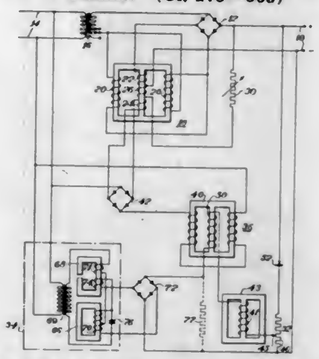
1. The combination, in a radio receiver adapted for operation in different wave bands, a loop antenna connected to supply received oscillations thereto, an electrostatic shield surrounding said antenna, means to connect said receiver for operation in said different wave bands, means to connect said loop to said receiver for reception in one of said bands, and means to disconnect said loop from said receiver and to connect said shield to said receiver to act as an antenna for reception in another of said bands.

2,179,299

SELF-REGULATING BATTERY CHARGER

Slavo J. Murcek, Duquesne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 14, 1938, Serial No. 229,852
7 Claims. (Cl. 175—363)



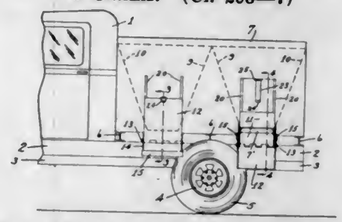
1. In a system interconnecting input and output circuits comprising rectifier means supplying unidirectional current to said output circuit from alternating current in said input circuit, the combination of a saturable core reactor connected intermediate the input circuit and the rectifier means, a control circuit for said reactor including a plurality of saturating windings, a source of reference potential, impedance means connected across said output circuit, said control circuit connected intermediate said source of reference potential and said impedance means so as to be energized in accordance with the difference in voltage between said reference potential and a voltage drop in said impedance means.

2,179,300

SIDE DISCHARGE BODY

Boyd E. Phelps, La Porte, Ind.

Application March 2, 1938, Serial No. 193,384
3 Claims. (Cl. 298—7)



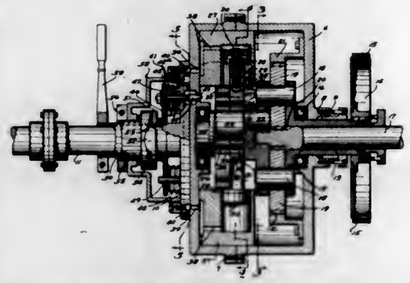
1. In combination with a body of the class described, said body having apertures formed through the side members thereof, a fixed chute member rigidly secured to the body at each of the apertures, a vertical sliding closure member mounted in guides adjacent each of the apertures, a strap hingedly secured to the upper end of the vertical sliding closure member and having a hook formed on the free end thereof, an extension chute member hingedly secured to the fixed chute member and adapted to close the projecting end of the fixed chute, and with the hooked portion of the hinged strap holding the extension chute member in closed position with relation to the projecting end of the fixed chute member.

2,179,301

VARIABLE SPEED TRANSMISSION MECHANISM

Birdan E. Ronning and Robert C. Mealey, Minneapolis, Minn., assignors of one-third to Jacob A. Ronning, Minneapolis, Minn.

Application February 23, 1938, Serial No. 192,039
8 Claims. (Cl. 74—293)



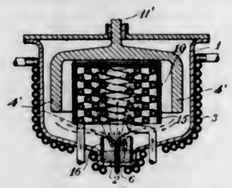
1. In a transmission mechanism, an oil-containing casing, a power shaft extending into said casing and therein provided with a driving pinion, a gear carrier within said casing rotatively mounted coincident with said driving shaft and the axis of said casing, an annular gear secured to and within said casing, a planetary gear journaled on said gear carrier and meshing with said driving pinion and internal gear, an eccentric connected to and rotatable with said gear carrier, a cylinder carried within said casing, a piston in said cylinder operative by rotation of said eccentric in respect to said casing, said cylinder and piston operating to circulate oil from and to said casing, means for varying the circulation of the oil, and means extended from said gear carrier to the exterior of said casing for stopping or retarding rotation of said carrier.

2,179,302

VAPOR ELECTRIC DEVICE

Herbert A. Rose, Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 9, 1938, Serial No. 218,340
10 Claims. (Cl. 250—27.5)



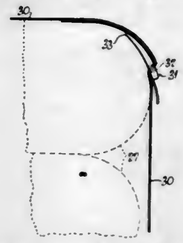
1. A vapor-electric device comprising an evacuated container, an annular anode in said container, a vaporizable cathode in said container, a make-alive electrode in contact with said cathode during normal operation of said device, means for retaining the cathode spot on a predetermined portion of the cathode surface, a nest of cooling coils directly above the active cathode surface and extending through the opening in the annular anode, and a metallic shield enclosing the nest of cooling coils on all sides except that directly exposed to the cathode.

2,179,303

CLOTH BALE

Hilliard M. Sides, Greenville, S. C.

Application June 2, 1937, Serial No. 145,939
4 Claims. (Cl. 100—14)



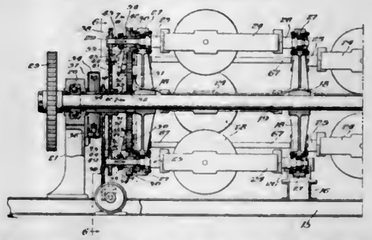
1. A cloth bale comprising a plurality of bolts of cloth stacked one upon the other, a piece of bale tie passed around the bale and having its ends disposed in overlapping relation where the top and one side of the bale meet, a fastener curved to fit the corner of the cloth bale and having a transverse eye through one end thereof which is substantially twice as wide as the thickness of the two overlapped ends of the bale tie, the end of the bale tie which passes along one side of the bale passing through said eye and projecting over a portion of the top of the bale, and the end of the bale tie which passes over the top of the bale passing through said eye on the outside of the other end of the bale tie, the back pressure in the bale serving to press said other end of the bale tie against the inner portion of said overlapping ends to hold the fastener in position to bend the ends of the bale tie where they penetrate said slot, and the gentle curve in the ends of the bale tie permitting slippage of the first-named end when the back pressure exerted by the bale exceeds a predetermined amount.

2,179,304

CLOSER FOR WIRE ROPE OR STRANDING MACHINES

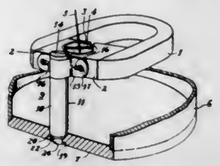
William E. Somerville, Coal City, Ill.

Application February 27, 1939, Serial No. 258,614
5 Claims. (Cl. 57—65)



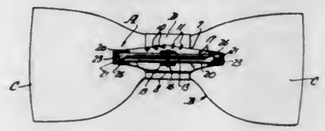
1. A closer for wire rope or stranding machines embodying a rotatable support, a plurality of reel carrying cradles mounted upon said support for rotation therewith and with respect thereto, a plurality of separate driving means individual to the cradles for rotating them separately with respect to said support in a forward or backward direction with respect to others of the cradles, means for selectively connecting the said driving means with the respective cradles to selectively rotate them in either direction, the second recited means embodying clutch devices individual to the said cradles, electroresponsive devices for controlling said clutches, and means for controlling said electroresponsive devices.

2,179,305
ADJUSTABLE MAGNETIC SHUNT FOR MEASURING INSTRUMENTS
Fernald S. Stickney, Verona, and Henry L. Bernarde, Union, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1938, Serial No. 215,634
11 Claims. (Cl. 171—95)



2. In an adjustment device, a composite cylindrical member comprising a plurality of radial sections differing in permeability, said member having a notch formed therein for providing an edge on a section of higher permeability which is inclined at an acute angle relative to the axis of said member.

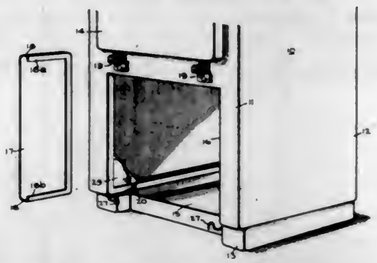
2,179,306
NECKTIE
Carl O. Swanson, Minneapolis, Minn.
Application December 8, 1938, Serial No. 244,594
7 Claims. (Cl. 2—151)



1. A device for supporting a necktie upon the spaced flaps of a collar, comprising a mounting bar adapted to be secured to the necktie with its end portions laterally extended, clasp members pivotally supported from the center of the bar for movement at opposite ends toward and away from the end portions of the bar, springs having normally divergent ends braced between the bar and the clasp members to thereby normally urge end portions of the members against the bar for gripping the flaps of the collar, and the ends of said springs engaging the bar being disposed immediately adjacent the center of the bar so that the collar flaps may enter between the clasp members and the bar to substantially the center of the latter.

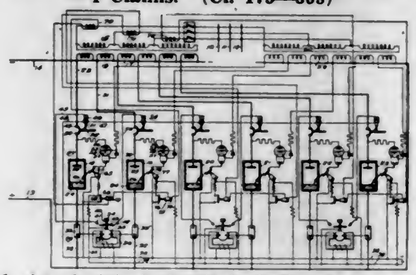
2,179,307
REFRIGERATOR CABINET
Philip T. Sywert, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application February 24, 1937, Serial No. 127,416
6 Claims. (Cl. 220—55)

1. A cabinet having a wall provided with an opening therein, a closure member having a marginal flange, a portion of said marginal flange having an inturned edge, means including a bracket carried by said wall adjacent said opening for removably supporting said closure member over said opening, and means associated with a second portion of said marginal flange and said wall and resiliently urging said inturned edge of said marginal flange into engagement with said bracket for retaining said closure member in place, said resilient means being readily dis-



engageable to provide for the removal of said closure member from said cabinet.

2,179,308
ARC BACK PROTECTION
William R. Taliaferro, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1938, Serial No. 216,705
4 Claims. (Cl. 175—363)



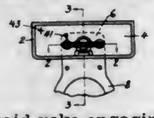
1. An electrical circuit including two parallel branch circuits, a circuit breaker and a discharge device in each of said branch circuits, a shunt circuit between corresponding portions in said branch circuits, a relay in said shunt circuit, said relay being operated by a heavy differential current in one of said branch circuits to open the circuit breaker in that branch circuit only.

3. An electrical circuit including connections to a supply circuit, parallel branch circuits supplied through said connections, each branch circuit including a rectifier having an anode, a mercury pool cathode and a make alive electrode immersed in said cathode, a make alive circuit energizing said make alive electrode, means interrupting the make alive circuit upon a backfire occurring in any of the rectifiers and means then interrupting the circuit in the one only of said parallel branch circuits in which the backfire occurs.

2,179,309
CLOSE CONNECTED WATER CLOSET COMBINATION
Bert O. Tilden, Trenton, N. J.
Application March 2, 1939, Serial No. 259,327
8 Claims. (Cl. 4—57)

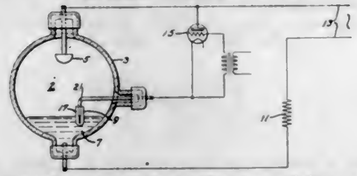
1. In a water closet combination having a tank, a bowl and a valve controlling the flow of water from the tank to the bowl, the combination of a yoke having attaching means carried thereby and extending through registering openings in the tank and bowl, means on said attaching means

engaging said tank and bowl to secure said tank and bowl together, a valve stem on said valve



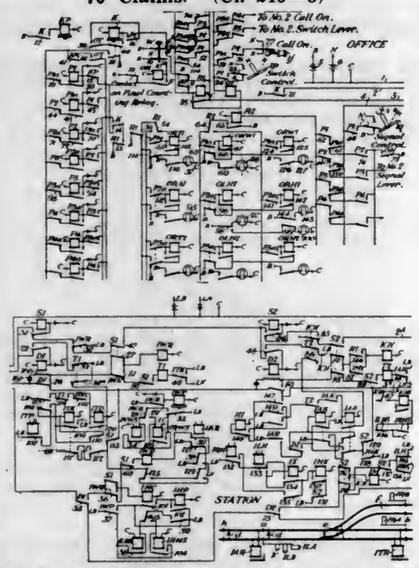
and means on said yoke engaging said valve stem to guide the valve in its movement toward and away from a valve seat.

2,179,310
VAPOR ELECTRIC DEVICE
Adolph H. Toepfer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1938, Serial No. 201,957
7 Claims. (Cl. 250—27.5)



1. A make-alive electrode comprising a container of insulating material, a slitted opening in a lower portion thereof and a plurality of independent loose particles of high resistance material in said container, the size of said particles being such that only a portion of several protrude out from said slitted opening and a conductor in contact with only a portion of said particles.

2,179,311
REMOTE CONTROLLING APPARATUS
Norman F. Agnew, Stockton, Calif., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 12, 1930, Serial No. 451,668
70 Claims. (Cl. 246—5)



59. In a remote control system, two stations connected by three conductors, groups of operating units, and means for transmitting over the conductors in a single impulse a report signal indicating one of three conditions in one operating unit or group and one of two conditions in a second unit.

2,179,312
PROGRESSIVE-BURNING SMOKELESS POWDER
Elton R. Allison, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 6, 1938, Serial No. 233,595
7 Claims. (Cl. 52—5)

1. Smokeless powder grains surface coated with a lower alkyl ester of ortho benzoylbenzoic acid having a melting point within the range from about 35° C. to about 110° C.

2,179,313
PROGRESSIVE-BURNING SMOKELESS POWDER
Elton R. Allison, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 6, 1938, Serial No. 233,596
7 Claims. (Cl. 52—5)

1. Smokeless powder grains surface coated with an aryl ester of an organic acid selected from the group consisting of benzoic acid and a lower fatty acid, said ester being characterized by having a melting point within the range from about 35° C. to about 110° C.

2,179,314
PROGRESSIVE-BURNING SMOKELESS POWDER
Elton R. Allison, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 6, 1938, Serial No. 233,597
3 Claims. (Cl. 52—5)

1. Smokeless powder grains surface coated with coumarin.

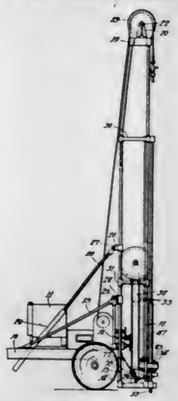
2,179,315
PROGRESSIVE-BURNING SMOKELESS POWDER
Elton R. Allison, Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 15, 1938, Serial No. 235,242
3 Claims. (Cl. 52—5)

1. Smokeless powder surface coated with petroleum hydrocarbon-insoluble resin derived from pine wood, characterized by being progressive-burning.

2,179,316
DRILL STEM FEED
Olof B. Anderson, Marquette, Mich., assignor to E. J. Longyear Company, Minneapolis, Minn., a corporation of Delaware
Application December 16, 1937, Serial No. 180,160
4 Claims. (Cl. 255—22)

1. In a well drilling machine, a framework comprising a base, a top frame and an intermediate frame, frame posts extending vertically between said base and said top frame and fixed to the

frames and base to provide a rigid framework, guide posts extending between the base and the top frame and secured thereto, a drill chuck frame having a chuck at the bottom thereof and having guides extending upwardly from the lower end of the chuck frame for receiving said guide posts, said frame having a portion extending above the intermediate frame when the chuck frame is in its lowermost position, a cable secured to the lower end of said chuck frame and



projecting upwardly therefrom, a lifting member mounted in said framework and movable between the intermediate frame and the top frame, said cable extending over said lifting member and being anchored to said framework, a second cable having one end anchored to the framework adjacent the top thereof and the other end secured to the upper end of said portion of the chuck frame, said second cable extending beneath said lifting member, and means for raising and lowering said lifting member.

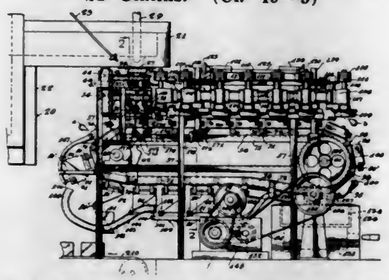
2,179,317

METHOD OF AND APPARATUS FOR FORMING GLASS BUILDING BLOCKS

Randolph H. Barnard, Toledo, Ohio

Application July 10, 1936, Serial No. 89,968

21 Claims. (Cl. 49—5)



11. In an apparatus for the continuous formation of glass blocks or similar articles, a horizontal endless mold conveyor movable about a pair of horizontal axes, a plurality of molds arranged in pairs and mounted on said conveyor in aligned spaced relationship, means for discharging measured quantities of molten glass successively into said molds, a horizontally disposed endless plunger unit carrier movable about a pair of vertical axes, a plurality of spaced vertically movable plunger units mounted on said carrier, said plunger units and molds occupying respective aligned positions throughout a portion of their respective endless paths of travel, cam means operable at a predetermined point in the path of travel of said plunger units for causing each plunger unit to descend into operative forming engagement with its respective aligned mold, cam means subsequently operable at a predetermined point in said path of travel for causing each plunger unit to be withdrawn from such operative engagement, means for varying the point at which said cam means become operable, and means for moving the molds of each pair bodily into juxtaposition to unite the formed contents therein.

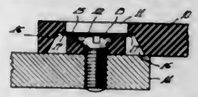
2,179,318

PANEL BOARD

Harold G. Baxter, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 22, 1937, Serial No. 144,173

2 Claims. (Cl. 220—24.3)



1. In a panel board structure, in combination, a cover plate, a flat-headed screw for securing the cover plate in position, and a removable indicating tab composed of resilient material for concealing the screw, said indicating tab having a pair of ears disposed at opposite sides thereof, said cover plate having a recessed opening therein with a countersunk hole at the bottom of said opening for receiving the head of the screw and slots disposed at opposite sides of the opening for receiving the ears on the indicating tab, one dimension of said tab being less than the corresponding dimension of said opening, whereby the tab may be sprung into position over the screw and removed therefrom without injury thereto.

2,179,319

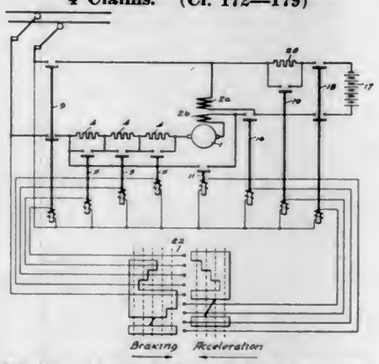
ELECTRIC TRACTION MOTOR CONTROL SYSTEM

Eric Alton Binney and Paul Lester Mardis, Ilkley, England, assignors to The English Electric Company Limited, London, England, a company of Great Britain

Application April 7, 1937, Serial No. 135,485

In Great Britain April 17, 1936

4 Claims. (Cl. 172—179)



1. The combination with a direct current motor having an armature winding and a series field winding, of means for connecting the motor armature in a closed circuit for rheostatic braking, switching means for separating a part of the series field winding of the motor from the armature and the rest of the series field winding, and means for connecting said separated portion to an independent source of supply during braking, the remaining portion of the series field winding being energized by the armature current during braking.

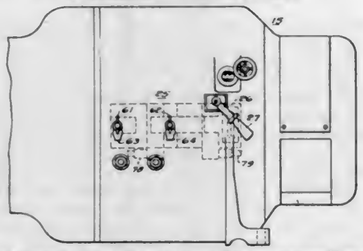
2,179,320

REVERSING SWITCH FOR DYNAMO-ELECTRIC MACHINES

John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application June 15, 1935, Serial No. 26,872, now Patent No. 2,121,581, dated June 21, 1938. Divided and this application June 16, 1937, Serial No. 148,454

5 Claims. (Cl. 200—16)



1. A switch for reversing the connections of a pair of conductors to another pair of conductors comprising, in combination, a base member formed of a flat plate of insulating material, a pair of switch members positioned at opposite ends of said base member, circuit means interconnecting said switch members, a common switch member positioned on said base member midway between said first-mentioned switch members, a pair of terminal members disposed to support said base member and to be connected to one of said pairs of conductors, one of said terminals being connected to one of said first-mentioned switch members and the other being connected to said common switch member, and a pair of slidable switch members connected to said other pair of conductors, said slidable switch members being spaced apart in fixed relation at a distance substantially equal to the distance between said common switch member and one of said first-mentioned switch members and disposed to engage either of said first-mentioned switch members and said common switch member.

2,179,321

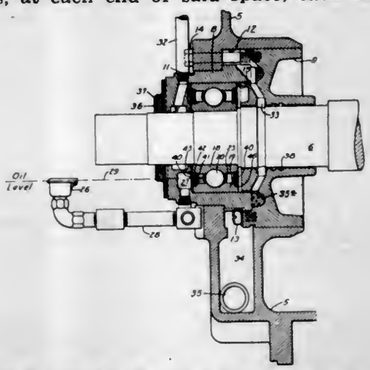
ANTIFRICTION BEARING OILER

John L. Brown, Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 10, 1937, Serial No. 152,930

4 Claims. (Cl. 308—187)

1. An antifriction bearing assembly for guiding a substantially horizontal shaft, comprising a bearing housing having a bore for seating the bearing, an antifriction bearing having an inner race seated on the shaft, an outer race seated in the bore of the bearing housing, and a plurality of antifriction members between said races, lubricating means for maintaining a relatively non-agitated body of liquid oil in the lower part of the bearing housing below the shaft at both ends of the outer race and up to a level at least sufficient to reach the antifriction members, with a gaseous medium relatively free of oil-spray above the level of the relatively non-agitated liquid oil at both ends of the outer race, and a substantially vertically disposed filtering means disposed within the annular space between said races, at each end of said space, each of said



filtering means comprising a substantially uninterrupted filtering washer substantially bridging said annular space between said races, and one or more washers of a material substantially impervious to the passage of oil in any form, all of said impervious-material washers having one or more axially extending peripheral openings therein for permitting the axial flow of liquid oil from the main body of oil in the bearing housing into said annular space between the races.

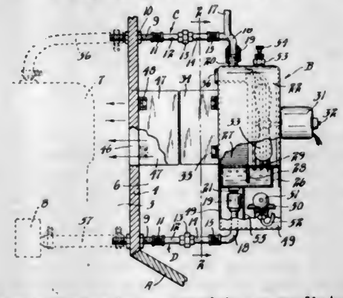
2,179,322

AUTOMOBILE HEATER

Perry Brown, Sherwood, N. Dak.

Application November 19, 1937, Serial No. 175,441

6 Claims. (Cl. 237—12.3)



3. A vehicle heater comprising a radiator having upper and lower headers, finned tubes extending between the forward portion of said lower header and said upper header, and other tubes extending between the rear portion of said lower header and said upper header, means for connecting said radiator with the water circulating system of a motor vehicle, valves for closing off said connections, an independent heating means carried by said radiator and located to supply heat to the rear portion of said lower header, a baffle mounted in said lower header between the front and rear portions thereof and projecting downwardly from the top of the lower header to within a short distance from the bottom

of the lower header, and means for directing a current of air against said finned tubes.

4. In an automobile, a dashboard having an opening therethrough, a pair of water conduits mounted on said dashboard and projecting rearwardly therefrom, a hot water radiator located rearwardly of said opening and swivelly connected to said conduits, closure means for said opening, a fan carried by said radiator and located at the rear thereof to blow air therethrough, closure means for the front of said radiator, said two closure means being so correlated that when said radiator is swung on its swivelled connections to face said dashboard opening, said closure means may be opened to form guides assisting in conveying air from said radiator to said dashboard opening.

2,179,323

COMPOSITION OF MATTER

Willard de C. Crater, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 23, 1938, Serial No. 226,251

5 Claims. (Cl. 52—13)

5. As a composition of matter, a nitration product of a mixture of alpha-methyl glycerol, and a carbohydrate.

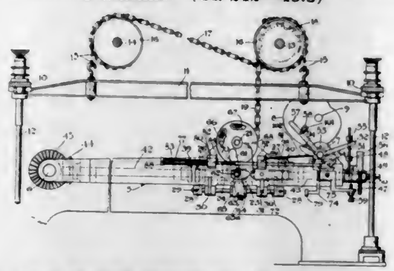
2,179,324

BUILDER MECHANISM FOR SPINNING FRAMES

Lionel Desrosiers, Lachute Mills, Quebec, Canada, assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application June 30, 1937, Serial No. 151,308

5 Claims. (Cl. 242—43.3)



1. In a builder mechanism for spinning frames comprising a builder lever, a builder cam, a rail-shifting shaft rotatably mounted thereon, rail-shifting connections functioning to progressively lower a rail of the machine in response to rotation of the shaft in one direction and to return the rail to starting position in response to rotation of the shaft in the reverse direction, means for intermittently rotating said shaft in a rail-lowering direction during the winding of the bobbins, means for continuously rotating the shaft in the reverse direction after the winding of the bobbins is completed, alternately operative clutch members shiftable to a starting position to establish a driving connection between said shaft and said first-mentioned means or to a wind-back position to establish driving connection between said shaft and said second means, an automatically operated clutch-reversing element, and means to cause said element to shift the clutch members to the wind-back position when the winding of the bobbins has proceeded for a predetermined period, that improvement which consists in providing an auxiliary impact member effective to exert an abrupt supplemental propelling force directly and axially on said clutch-reversing element, and means coacting with said builder mechanism to determine the point in the cycle of building operation at which said impact member becomes operative.

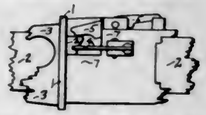
2,179,325

COIN LOCK DEVICE

Leo J. Dixon, Youngstown, Ohio, assignor, by mesne assignments, to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation of Ohio

Application April 16, 1936, Serial No. 74,620

1 Claim. (Cl. 194—97)



A coin device of the character described, comprising a coin slide having an open-sided aperture to receive a coin, a guide member for said slide including a floor portion to support the coin during its travel with the coin slide, the coin being free to drop from such floor portion at the end of the operative stroke of the coin slide, said floor portion having an opening therein at one side thereof in advance of its coin-discharge point and with which the open-sided portion of said coin-slide aperture is adapted to register for permitting the discharge of foreign matter inserted in the open-sided portion of such aperture with an undersized coin, and a dog applied to said guide member for abutting engagement with the exposed edge of the coin-aperture to arrest the movement of the slide whenever other than a proper-sized coin is contained therein, the operating end of said dog being disposed adjacent the foreign-matter discharge opening in the floor portion of said guide member.

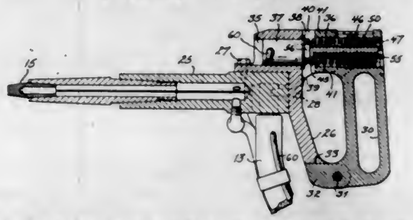
2,179,326

WELDING APPARATUS

Meril L. Eckman, Cleveland, Ohio, assignor to The American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio

Application July 5, 1938, Serial No. 217,375

6 Claims. (Cl. 219—4)



1. In a welding apparatus, the combination of an electrode carrier having a handle comprising relatively stationary and relatively movable members, said members being pivotally connected and having registering openings, a push button controller in one of the openings and means in the other opening for engaging and actuating the controller, said means including a spring and an adjusting nut for fixedly constraining the spring at various positions by means of which the pressure required to actuate the controller may be varied at the will of the operator.

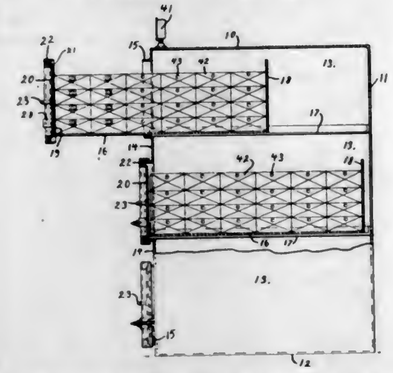
2,179,327

MEANS FOR TREATING FOODSTUFFS

Charles E. Evans, Council Bluffs, Iowa, assignor of one-half to L. G. Howard, Council Bluffs, Iowa

Application May 20, 1938, Serial No. 209,012

2 Claims. (Cl. 99—269)



1. In a device of the class described, the combination of a cabinet forming an enclosure and having openings in one side, outwardly extending flanges about each opening, a drawer for each opening, each drawer having a bottom, an upturned back and a front plate, said front plate having a marginal channel adapted to receive the flange of the respective opening therein, a gasket in said channel adapted for sealable engagement with the flange when the drawer is closed, guide means for each drawer secured in the cabinet on which said drawers are adapted to slide, means for securing each drawer in the closed position, an exhaust conduit for the cabinet for exhausting air therefrom, a vacuum valve for the exhaust conduit, a closable valve for said exhaust conduit interposed between the vacuum valve and the cabinet, an intake conduit for the cabinet adapted to admit a preserving gas therein, a closable valve interposed in said intake conduit, a gauge operably connected with the cabinet and adapted to show the amount of vacuum and the pressure of gas respectively in said cabinet, and sealable containers for foodstuffs to be preserviced, said containers being adapted to be packed in the drawers during treatment of the foodstuffs therein.

2,179,328

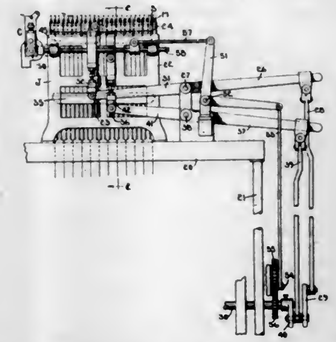
SINGLE CYLINDER STATIONARY GRIFF JACQUARD

Herbert V. Foster, Providence, R. I., assignor to Crompton & Knowles Jacquard & Supply Company, Pawtucket, R. I., a corporation of Massachusetts

Application October 12, 1938, Serial No. 234,647

6 Claims. (Cl. 139—59)

1. In a jacquard mechanism for a double fabric loom, a set of ascending griffs, a set of stationary griffs, a pair of uprights normally in position for engagement with the ascending and stationary griffs, a second pair of uprights normally out of position for engagement with the ascending and stationary griffs, a needle controlling the upright of the first pair normally positioned for engagement with the ascending griff and also controlling the upright of the second pair normally positioned out of engagement with the stationary griff, a second needle to control the other upright of the first pair of uprights normally positioned to engage the stationary griff and also controlling the other upright of the second pair of uprights normally out of engaging position with respect to the ascending griffs, means to lower the uprights of either pair when both



uprights of the pair are out of engagement with the griffs during the shed forming operation of the loom, a single card to control the position of the needles on a given beat of the loom and two separate yarns one controlled by the first pair of uprights and the other yarns controlled by the other pair of uprights.

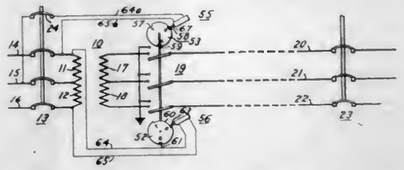
2,179,329

ELECTRICAL APPARATUS

Henry S. Gates, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 22, 1937, Serial No. 144,180

3 Claims. (Cl. 200—50)



1. A grounding switch comprising, in combination, a multiple pole switch member having an open, transformer and ground position, means associated with the switch member for actuating it progressively to said open, transformer and ground positions and reverse, and means operable with the switch member and responsive to predetermined conditions for limiting the movement of the switch member, said means operable with the switch member comprising a plurality of disks and electromagnetically operated members associated therewith for engaging the disks, the disks and associated electromagnetically operated members being disposed on opposite sides of the switch member, one of the disks and its associated member co-operating when the electromagnetically operated member is energized to permit free movement of the switch member between the transformer and open positions and to prevent movement of the switch member from transformer to ground position, another of said disks and its associated member cooperating under predetermined conditions to lock the switch member against movement.

2,179,330

METHOD FOR THE PREPARATION OF PROGRESSIVE-BURNING SMOKELESS POWDER AND PRODUCT THEREOF

Ellsworth S. Goodyear, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 15, 1938, Serial No. 235,264
16 Claims. (Cl. 52—13)

1. A method of preparation of progressive-burning, double base smokeless powder, characterized by producing breech pressures when fired at sub-zero temperatures which are not substantially greater than those produced when fired at ordinary temperatures, which comprises coating double base smokeless powder grains at a temperature less than about 55° C. with an admixture of a non-volatile, non-explosive organic material which is a non-solvent for the nitrocellulose but compatible therewith and a solvent for said nitrocellulose.

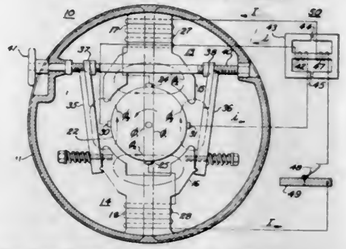
9. A double base smokeless powder coated with an admixture of a non-volatile, non-explosive organic materials which is a non-solvent for the nitrocellulose but compatible therewith and a non-volatile solvent for said nitrocellulose, said coated smokeless powder being progressive-burning and being characterized by producing breech pressures when fired at sub-zero temperatures which are not substantially greater than those produced when fired at ordinary temperatures.

2,179,331

WELDING SYSTEM

Myron Scott Hancock, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 2, 1937, Serial No. 166,994
5 Claims. (Cl. 171—312)



1. The combination in a welding system of a generator of the cross-field type having an armature, a pair of main brushes associated with the armature, field windings connected in series circuit relation with the main brushes, a load circuit connected with the main brushes and field windings, a pair of auxiliary brushes associated with the armature in quadrature relation to the main brushes, to provide a closed armature cross-field excitation circuit, and transformer means connected between the load circuit and the auxiliary brush armature circuit to accelerate the rate of change of current in the auxiliary brush armature circuit upon a variation of current in the load circuit.

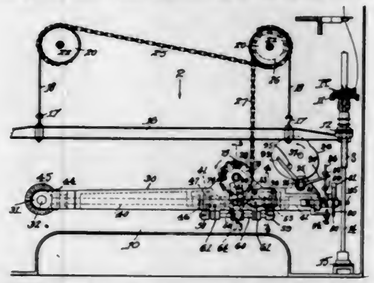
2,179,332

BUILDER MECHANISM FOR SPINNING FRAMES

Sigurd H. Helland, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application May 19, 1938, Serial No. 208,869
5 Claims. (Cl. 242—43.3)

5. In a spinning frame having a rail, a builder cam, a builder lever, a rail-shifting shaft rotatably mounted on said lever, means for intermittently rotating said shaft in one direction during the winding of the bobbins, means for continuously rotating the shaft in the reverse direction during the wind-back of the rail, alternately operative clutch members shiftable to establish driving connections between said shaft and said two rotating means selectively, a clutch-shifting device, and automatic means to actuate



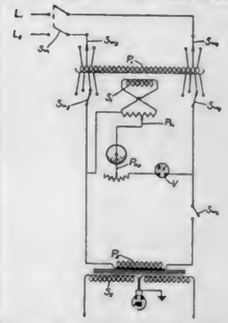
said device, that improvement in builder mechanism which consists in providing a device normally operative to prevent initial clutch-shifting movement by said automatic means beyond neutral position, and means operative at a predetermined point in the cycle of movement of the builder lever to render said normally operative device inoperative and thereby enable said automatic means to complete the clutch-shifting movement.

2,179,333

VOLTAGE CONTROL MEANS FOR X-RAY APPARATUS

Caperton B. Horsley, Willoughby, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio

Application May 28, 1938, Serial No. 210,656
2 Claims. (Cl. 250—93)



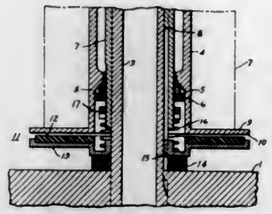
1. X-ray control apparatus of the character described, comprising a transformer adapted for connection to a line and provided with means for varying its output voltage, a high tension transformer energized thereby and adapted to supply current for the X-ray tube, an indicator for said output voltage, an adjustable resistance in circuit with said voltage indicator, a winding on said line transformer arranged to supply bucking voltage to said resistance independently of the voltage supplied to the high tension transformer, means for varying said bucking voltage to compensate for line voltage drop, said resistance being calibrated in terms of current and being adapted to insure accuracy of said voltage indicator at each current value.

2,179,334

MAGNET WIRE INSULATING MACHINERY

John J. Keyes, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 20, 1936, Serial No. 64,878
7 Claims. (Cl. 57—18)



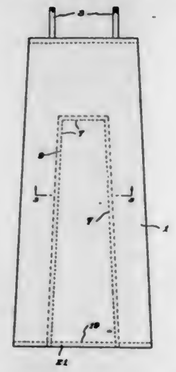
1. In a serving apparatus for a core wrapping machine, in combination, a vertical hollow shaft, a core to be wrapped passing through the shaft, a friction ring secured to the shaft, a second friction ring, having a lower coefficient of friction than the first friction ring, slidably mounted on the shaft; resilient means between said rings to cause the second ring to move out of the plane of the first friction ring; a third friction ring loosely mounted on the shaft frictionally engaging the first two rings and designed to support the wrapping material, which wrapping material is removed from the second ring at lesser and lesser moment arms as the amount of material on the second ring decreases, resilient means for decreasing the normal pressure, and thus the frictional effect, between the rings, and means adapted to change the frictional effect between the rings as the resilient means decreases the normal pressure between the rings.

2,179,335

GARMENT

Kathryn L. Klauder, Palmyra, N. J.

Application December 20, 1937, Serial No. 180,708
5 Claims. (Cl. 2—64)



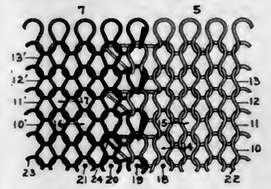
1. A garment for dressing a corpse comprising a slip having a relatively stiff pad secured to the front thereof, said pad being of a width sufficient to extend substantially over both legs of the corpse whereby to keep the front portion of the slip from sagging between the legs when placed on the corpse.

2,179,336

KNITTED FABRIC

Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application April 24, 1935, Serial No. 18,023
6 Claims. (Cl. 66—179)



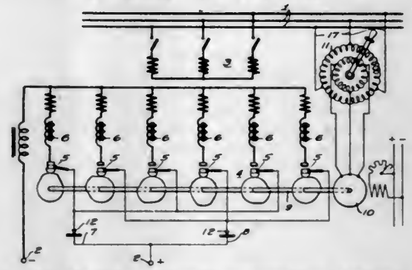
5. A split-work fabric, a suture whereof is composed of two wales only and being alternately knitted with two threads, one of the said threads being knitted in two consecutive courses at a suture wale.

2,179,337

RECTIFIER SYSTEM

Wilhelm Leukert, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 17, 1937, Serial No. 180,393
In Germany December 18, 1936
4 Claims. (Cl. 175—364)



1. An electric current converting system for transferring electric energy between an alternating current circuit and a direct current circuit comprising a transformer device having a plurality of phase terminals, a synchronous contact device for periodically making contact with said phase terminals in cyclic sequence, a plurality of valve paths connected to said contact device, said valve paths corresponding in number to the number of simultaneously active phases in said transformer device, each of said valve paths comprising a plurality of serially connected valve elements, a synchronous motor for driving said contact device, a phase shifting device for controlling the angular position of said contact device and means actuated by the position of said phase shifting device for determining the active number of valve elements in said valve paths.

2,179,338

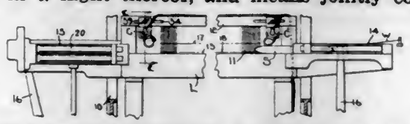
PROTECTOR MECHANISM FOR LOOMS

Carl J. Lindegren, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application July 29, 1938, Serial No. 221,897
16 Claims. (Cl. 139—341)

1. In a protector mechanism for a loom having a lay with a shuttle box and shuttle binder at each end thereof and having a shuttle to move

from one shuttle box to the other, loom stopping mechanism, a pair of controllers for the mechanism on the lay between the binders and each movable independently of the other by the shuttle in a flight thereof, and means jointly con-



trolled by said controllers to initiate operation of the stopping mechanism upon failure of the shuttle to move both of said controllers prior to a given point in the forward motion of the lay before the shuttle enters the shuttle box which it is approaching.

2,179,339

ADHESIVE COMPOSITION

Julius G. Little, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 17, 1936, Serial No. 101,229
10 Claims. (Cl. 134—23.7)

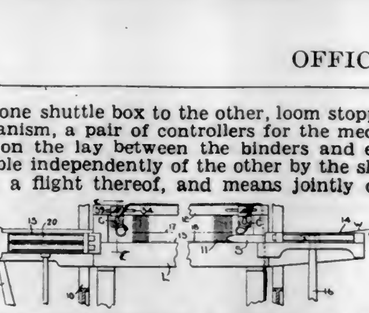
1. A pressure-sensitive, non-hardening adhesive composition consisting of a tacky mixture comprising a liquid organic hydrogenated abietate present in an amount within the range of about 25% to about 80% by weight of said composition and a resin forming at least the major portion of the remainder of the composition.

2,179,340

LIGHTING FIXTURE

Guernsey F. Mudgett, Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 10, 1937, Serial No. 136,141
In Canada March 15, 1937
5 Claims. (Cl. 240—147)



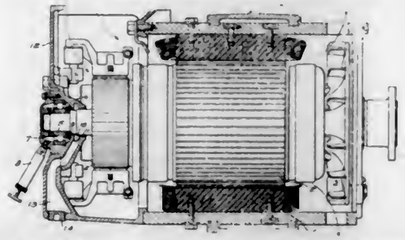
1. In a lighting unit, in combination, a main body element including a socket for a lamp, a globe, a globe supporting ring hinged at one side to the main body element and having an arm at the opposite side, and a latch member pivotally secured to the main body element in cooperative relation to the said arm to retain the opposite side of the globe supporting ring in a plurality of predetermined positions, said latch member being automatically operable to engage said arm and hold the globe supporting ring in a partially closed position on predetermined movement of the globe ring toward its closed position and thereafter operable about its pivot point to force the globe supporting ring to and hold it in its fully closed position.

2,179,341

GREASE-OVERFLOW CATCHER FOR HIGH-SPEED MOTORS

Erich O. Mueller, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 31, 1936, Serial No. 118,581
6 Claims. (Cl. 171—252)



2. A dynamo-electric machine having a stator member, a rotor member, a ventilating means which is operative to create a zone of sub-atmospheric pressure at at least one end of the machine, means for providing a grease-lubricated bearing at that end of the machine, and means for providing a closed air-tight sump for draining grease escaping from the inner end of the bearing.

2,179,342

PROTECTIVE MEANS FOR ELECTRIC CIRCUITS

Gustav W. Müller, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York

Application December 3, 1935, Serial No. 52,711
In Germany December 20, 1934
8 Claims. (Cl. 200—117)



1. An electric protective device comprising an enclosing casing, a pair of hollow tubes in telescoped relationship in the casing and providing a pressure resistant arc quenching chamber interiorly of the tubes, at least one of the tubes being longitudinally movable relative to the other, a pair of terminals associated respectively with said tubes and having a fusible element connected therebetween so as normally to restrain the tubes in a relatively close coupled telescoped relationship, means operative upon rupture of said fusible element to effect relative movement apart of said terminals and also longitudinal relative movement apart of said tubes so as to extend said chamber, and means for interposing

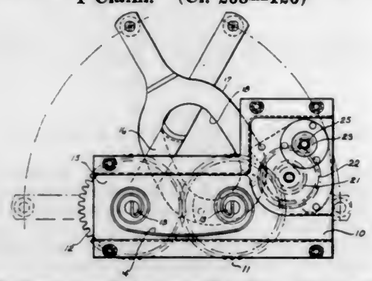
arc quenching medium between said terminals, said tubes having such length relative to each other that they are not completely withdrawn one from the other upon relative movement apart of the tubes, thereby to insure that an arc formed upon rupture of said fusible element remains solely within said chamber until quenched.

2,179,343

REGULATOR MECHANISM FOR VEHICLE WINDOWS

Stanley W. Nicholson, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application November 11, 1937, Serial No. 174,092
1 Claim. (Cl. 268—126)



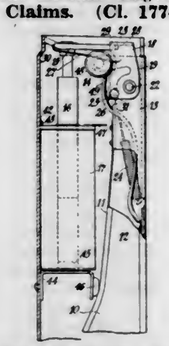
Window regulator mechanism comprising a mounting plate, a pair of meshing gears on said plate, means for operating said gears, a pair of cross arms fixed at their inner ends to said gears respectively, the outer end portions of said arms being disposed in a plane parallel to the inner end portions thereof and in substantially the same plane relative to each other, one arm being apertured and the other arm extending freely through such aperture for free swinging movement within a limited arc, the free ends of said arms being adapted to be operatively connected to a window.

2,179,344

DIRECTION INDICATOR

William Edward Oshei, Brentford, England

Application April 26, 1935, Serial No. 18,417
In Great Britain August 27, 1934
8 Claims. (Cl. 177—329)



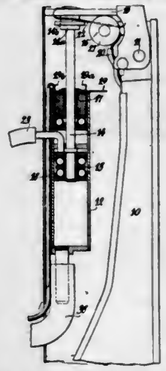
8. A direction indicator comprising an indicating arm composed of inner and outer portions, means pivotally mounting the arm portions for swinging from an inoperative position to an operative position, and an actuator slidably mounted and normally engaging the inner arm portion to hold it aaginst swinging with the outer arm portion, said outer arm portion having a fixed part extending into the path of the actuator to be engaged thereby for moving the arm to its operative position, said arm embodying resiliently carried means yieldably holding the inner and outer arm portions for movement as a unit while permitting the outer arm portion being swung manually toward its operative position when said actuator is engaged with said inner arm portion.

2,179,345

VEHICLE DIRECTION INDICATOR

William Edward Oshei, Brentford, England

Application March 22, 1935, Serial No. 12,481
In Great Britain March 26, 1934
7 Claims. (Cl. 177—329)



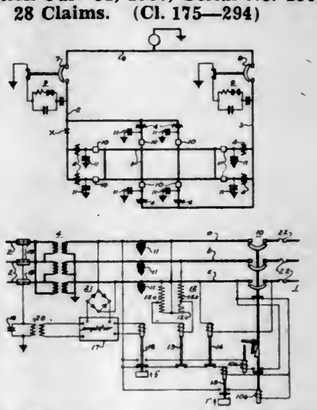
1. Means for operating vehicle direction indicators having a semaphore arm comprising suction means for moving the arm to the signalling position, independent means normally inoperative but rendered operative by movement of the arm to the signaling position for retaining the arm in such position, and suction means operable to counteract said independent means and return the arm to its normal position.

2,179,346

ALTERNATING CURRENT APPARATUS

John S. Parsons, Swissvale, and George O. Harrison, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1937, Serial No. 156,778
28 Claims. (Cl. 175—294)



2. In an alternating-current distribution sys-

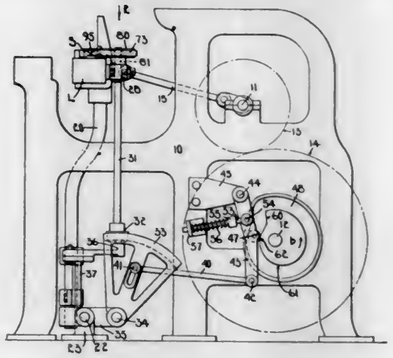
tem of the network type, a polyphase network load circuit; a polyphase power frequency source; a polyphase feeder for supplying power from said source to said load circuit; a transformer connecting said feeder to said load circuit; a network circuit breaker for controlling the power flow through said transformer; means for selectively impressing carrier currents on said feeder; closing means responsive to a predetermined carrier-frequency energy condition of said feeder and responsive to energization of said feeder by power-frequency voltage for causing said network circuit breaker to close; and means responsive to transposition of conductors of said feeder for preventing operation of said closing means.

2,179,347

PICKING MOTION FOR LOOMS

Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application January 17, 1938, Serial No. 185,320
10 Claims. (Cl. 139—142)



10. In a picking motion for a loom having a lay, a shuttle box on the lay, a flexible member extending along and forming one side of the shuttle box and having frictional driving contact with the shuttle, a picking lug on the flexible member, means to move the latter and the lug in the direction to pick the shuttle out of the box, and means to give the flexible member and lug a return motion during a subsequent boxing of the shuttle when the latter arrives from the opposite end of the loom to arrest shuttle motion relatively to the member while the lug is still moving in the same direction as that in which the shuttle moves, the flexible belt and lug both imparting picking forces to the shuttle.

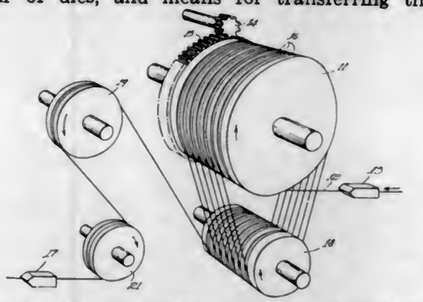
2,179,348

WIRE DRAWING MACHINERY

Gaylord W. Penney, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1937, Serial No. 156,762
7 Claims. (Cl. 205—14)

1. In a tandem wire drawing machine, a rotatable cooling drum over which the wire travels a plurality of times in passing between a pair of adjacent drawing dies, the surface of said drum being provided with a plurality of endless circumferential grooves in successive ones of which the wire lies as it travels over the drum a plurality of times in passing between the pair of dies, and means for transferring the



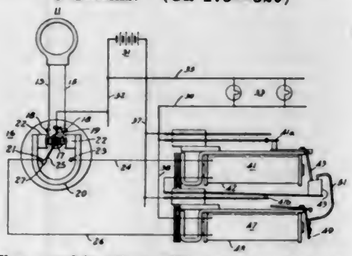
wire from each groove to the next succeeding groove as it travels over the drum.

2,179,349

LIGHT-SENSITIVE RELAY CONTROL SYSTEM

Willis A. Pennow, Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 29, 1936, Serial No. 76,994
5 Claims. (Cl. 175—320)



1. The combination with a power source, load circuit and a relatively sensitive control relay, of relay means for connecting the load circuit to and disconnecting it from the power source in response to predetermined successive operations of the control relay, said relay means comprising two relays, the first of which is provided with a switch element disposed in the load circuit and also in the operating circuit of the second relay, said second relay having a switch element disposed in the operating circuit of the first relay, said switch element carrying a latch member operable to hold the first relay in its operated position when the second relay is in a deenergized condition.

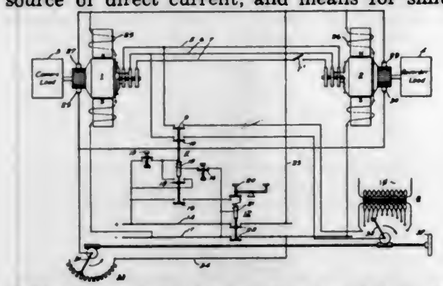
2,179,350

SYNCHRONIZED MOTOR

Thomas A. Reid, Glendale, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 10, 1937, Serial No. 136,138
3 Claims. (Cl. 172—293)

1. In a system of control for electric motors, in combination, a pair of direct-current motors having their armature windings and field windings connected in parallel, synchro-tie connections between the armature windings, a source of alternating current, a source of direct current, means adapted to connect said source of alternating current to said synchro-tie connections, means adapted to simultaneously connect said armature windings and field windings to said source of direct current, and means for simul-



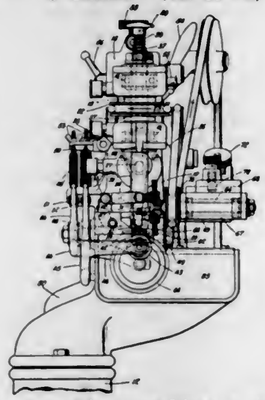
taneously varying the voltages applied to said motors of said source of alternating current and said source of direct current.

2,179,351

ROUGHING MACHINE

Fred Ricks and John William Pratt, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application November 9, 1936, Serial No. 109,819
In Great Britain December 20, 1935
6 Claims. (Cl. 69—1)



1. In a roughing machine, a roughing tool adapted to operate upon the flesh side of a sole, and work feeding means arranged to engage the flesh side of the sole close to the point being operated on by the tool, said work feeding means being so mounted as to permit it readily to be removed manually from the vicinity of the tool to afford access to the latter.

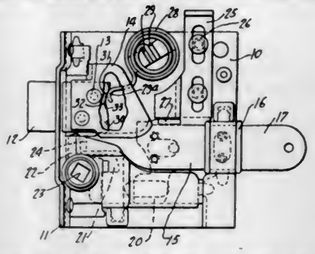
2,179,352

VEHICLE DOOR LATCH

Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio

Application August 9, 1937, Serial No. 158,138
1 Claim. (Cl. 292—163)

A vehicle door latch, including a case plate, a latch bolt, means to mount the bolt for reciprocable movement, said bolt having an operating face disposed in a plane at substantially right angles to its plane of movement, said operating face having a substantially central concave part and slightly convex side parts which gradually merge into the concave part, and a spring disposed rearwardly of the operating face and having a free curved end which acts against the operating face, and means to anchor the spring to the case plate so that its said curved spring end initially acts against one of the convex parts,



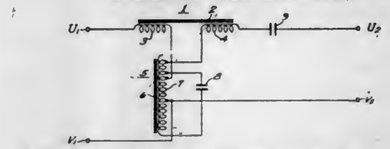
and sequentially acts against the central concave part and finally acts against the other of the convex parts, whereby the tension of the spring is lessened during the initial retractile movement of the bolt and is then increased during the continued retractile movement of the bolt.

2,179,353

VOLTAGE STABILIZING NETWORK

Oskar Schmutz, Berlin-Haselhorst, and Otto Werner, Klein-Machnow, Kreis Teltow, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 20, 1937, Serial No. 132,064
In Germany March 24, 1936
4 Claims. (Cl. 171—119)



1. In a voltage stabilizing network, in combination, a series reactor comprising a core having an air gap therein and two windings thereon, and a saturable reactor comprising a core and a winding thereon, a capacitor connected in parallel circuit relation to a portion of the winding turns of said saturable reactor, an input circuit including a winding of the series reactor and a portion, at least, of the winding turns of said saturable reactor, an output circuit including a portion of the winding turns of said saturable reactor and the other winding of said series reactor, and a capacitor connected in series with said series reactor in the output circuit so dimensioned that its capacity reactance is substantially equal to the inductive reactance of the series reactor.

2,179,354

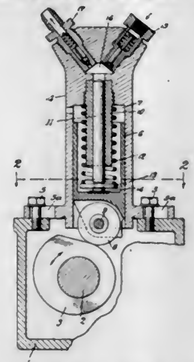
PUMP

Philip Lane Scott, Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a corporation of New York

Application August 7, 1935, Serial No. 35,108
1 Claim. (Cl. 123—139)

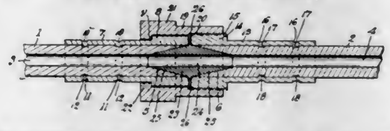
In a pump, a base member, a pump driving cam shaft supported in said member, a cam on said shaft, a pump body provided with inlet and outlet valves, a plunger reciprocally mounted in said body, a follower positioned to actuate said plunger and to be acted upon directly by the cam, and means for movably mounting said body upon

said base for movement at right angles to the axis of the cam shaft, to adjust the axial dis-



tance between the center line of the cam shaft and the center line of the follower.

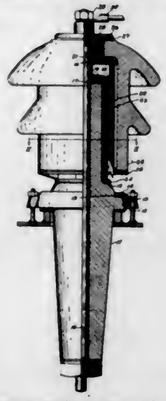
2,179,355
COUPLING
Philip Lane Scott, Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a corporation of New York
Application August 19, 1935, Serial No. 36,879
1 Claim. (Cl. 285—120)



In combination in a coupling, a pair of pipe ends, each pipe having its bore conically counterbored towards its end, and a fastening and reinforcing member permanently positioned about the end of each pipe, an engaging member engaging each of said fastening members and adapted to be manipulated to draw and hold them together, the bores of the pipes being the same, and a sealing member of a relatively more yielding material than that of the pipes provided with an interior bore substantially the same as that of the pipes and tapered on its exterior from its center outwardly to provide substantially a feather edge at each end and adapted to expand outwardly under the influence of internal pressure to form a seal, the engaging means, when it is manipulated to draw the end members together, compressing and forming an outwardly extending flange on the sealing member, which flange lies between the abutting end surfaces of the end members.

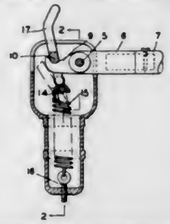
2,179,356
BUSHING
Alexander A. Skvortzoff, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1936, Serial No. 81,040
3 Claims. (Cl. 175—30)

1. In a bushing, in combination, a central insulator, a flanged electrode carried by the central insulator, the upper flange of the electrode extending beyond the lower flange, an outside insulator carried by the electrode, the outside insulator being disposed substantially concentric with the central insulator and spaced therefrom, a plurality of fiber members disposed between the insulator in spaced relation providing an arc chute, the inside fiber member being mounted between the central insulator and the lower flange of the



electrode, a supporting member carried by the outer insulator, the outside fiber member being disposed between the electrode and said supporting member carried by the outside insulator, and means for retaining all of said members in predetermined positions relative to one another.

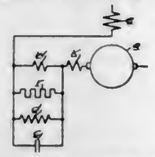
2,179,357
X-RAY APPARATUS
Robert J. Stava, East Cleveland, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 1, 1938, Serial No. 211,128
6 Claims. (Cl. 250—79)



1. X-ray apparatus, comprising a head, an arm pivoted thereto and carrying a fluoroscopic screen, a counterbalancing spring secured at one end to said head, a coupling member connected to the other end of said spring, said arm having an open seat to receive said coupling member, and an operating lever connected to said coupling member by means of which it may be disconnected from said arm at the will of the operator.

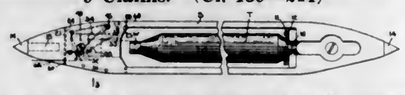
2,179,358
ALTERNATING-CURRENT COMMUTATOR MOTOR
Robert Stix, Vienna, Austria, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 14, 1937, Serial No. 159,040
In Austria August 19, 1936
14 Claims. (Cl. 172—276)

1. An alternating-current commutator motor having exciting-axis windings and commutation-axis windings, and a shunting means connected



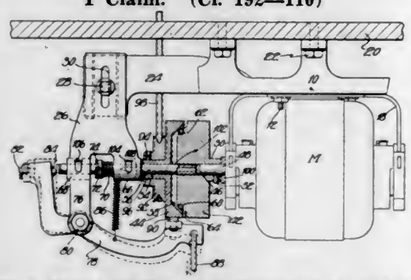
in parallel to at least a portion of said commutation-axis windings, said shunting means including a capacitive impedance means.

2,179,359
THREAD TENSION UNIT FOR SHUTTLES
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 20, 1938, Serial No. 185,936
9 Claims. (Cl. 139—214)



1. In a loom shuttle having a weft compartment and a transverse slot extending through the body thereof, a tension unit located in the slot and comprising spaced top and bottom plates secured together, a pivot pin extending between and connected to the plates, a tension wire pivoted on said pin and having a plurality of spaced thread receiving loops, tension pins extending between and secured to the plates and located between said loops when said wire is in a given position, resilient means connected to the wire, and holding means supported by the shuttle and extending through the plates to hold said unit in position in the slot, one end of the resilient means being connected to said holding means and the other end connected to said loop wire.

2,179,360
CLUTCH MOUNTING
Joseph Vasta, New York, N. Y.
Application July 13, 1938, Serial No. 219,026
1 Claim. (Cl. 192—110)



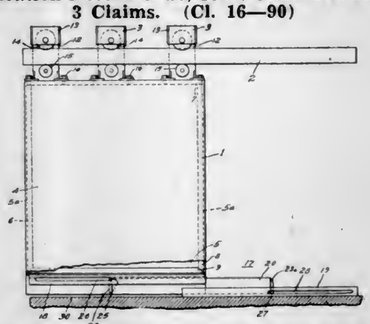
In a device of the class described, a motor, a base upon which said motor is mounted, a driving member comprising the shaft of said motor and a friction element fixed to said shaft, a driven member comprising a shaft and a friction element fixed thereto and adapted to bear against the friction element of said driving member, a bearing bracket in which the shaft of said driven member is rotatably mounted, means for detachably securing said bearing bracket to said base, said last means being adjustable in a direction perpendicular to the axis of the shaft of said driven member, one of said members having an axial socket, the other of said members having an axially protruding shaft adapted to slide into said socket to align said members when said bearing bracket is mounted on said base.

2,179,361
CONDENSER MICROPHONE
Hans Joachim von Braunmühl, Berlin-Ruhleben, and Walter Weber, Berlin-Charlottenburg, Germany
Application March 30, 1936, Serial No. 71,792
In Germany April 4, 1935
7 Claims. (Cl. 179—111)



1. In a condenser microphone a fixed condenser plate having transverse perforations extending from side to side and also having recesses extending from each plate side only partway to the other side, a diaphragm constituting the movable condenser plate and being spaced from said fixed plate by a distance small compared with the diameter and spacing of said perforations and recesses and of a value which would render the frictional air damping on said diaphragm high as compared with its mass- and elasticity damping and a second diaphragm disposed on the other side of said fixed plate at a distance similar to the spacing of said first mentioned diaphragm.

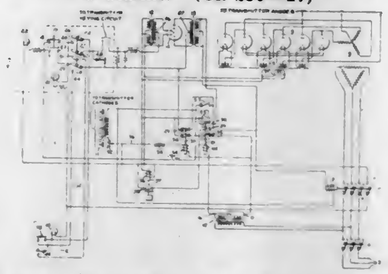
2,179,362
GUIDING MEANS FOR DOORS
Robert H. Wagner, Burlingame, Calif., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1937, Serial No. 181,328
3 Claims. (Cl. 16—90)



2. In a horizontal sliding elevator door supported by hangers on an overhead track rail, a guiding means comprising an inverted channel member mounted on the under edge of the door, an upwardly opening channel member mounted on the floor at one side of the doorway to be served by the door in position to be under the door in its open position but not extending over the door sill, a guiding stick disposed in the cooperating upwardly opening channel member and the inverted channel member, said guiding stick having less height than the height of the channel formed by the cooperating channel members, whereby the stick guides but does not support the door, a T-shaped member mounted on the outer end of the guide stick with its upper T-projections disposed in cooperating slots

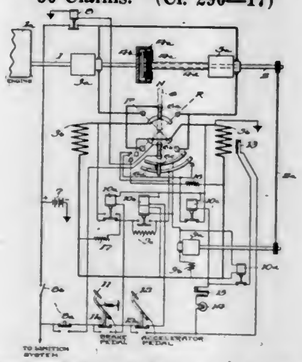
in the channel member attached to the door, and an inverted T-shaped member mounted on the rear end of the guide stick with its lower T-projections extending into cooperating channels in the lower channel member to limit the position of the guide stick to a guiding position in any opening or closing position of the door.

2,179,363
CONTROL MEANS FOR TRANSMITTERS
Donald E. Watts, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 19, 1937, Serial No. 149,117
6 Claims. (Cl. 250—17)



1. In a transmitter apparatus comprising a cathode heating circuit, an anode supply circuit, and a keying circuit, means to control said apparatus from a local station at said apparatus and subsequently from a remote station, said means including a local and remote switch at said local station, means operative when said switch is in its local position to energize said cathode circuit, to energize said anode circuit after a predetermined time interval, to operate said keying circuit from said local station only, and to prevent control of said circuits from said remote station, and means operative when said switch is in its remote position to energize said cathode and anode circuits and to operate said keying circuit from said remote station.

2,179,364
POWER CONTROL SYSTEM
Ernst Weber, Mount Vernon, N. Y., assignor to The Power Transmission Company, Incorporated, a corporation of Delaware
Application February 5, 1938, Serial No. 189,014
Renewed January 12, 1939
30 Claims. (Cl. 290—17)

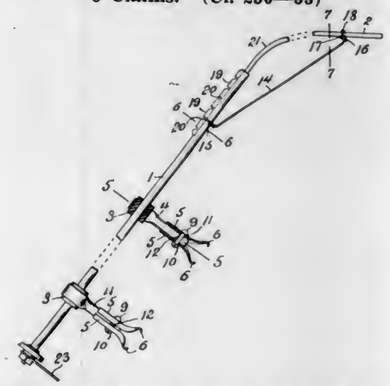


1. A transmission system comprising, in combination, a power shaft, a load shaft, a power dynamo driven by the power shaft, a second dynamo connected in differential speed relation to said power shaft and load shaft, a circuit connecting said dynamos for operation of the second dynamo as a generator and the first dynamo as a motor, means responsive to increase in speed of the load shaft for decreasing the motoring action of the first dynamo, and control means rendered operable at a predetermined speed of said load shaft for changing the standard of operation of said responsive means.

12. A transmission system comprising, in combination, a power shaft, a load shaft, means including a dynamo operating as a motor for transmitting power from the power shaft to the load shaft, and means responsive to a predetermined temperature of said dynamo for converting said dynamo from a motor to a generator and thereby reverse the direction of power flow.

13. A transmission system comprising, in combination, a power shaft, a load shaft, means including a dynamo operating as a motor for transmitting power from the power shaft to the load shaft, and means responsive to the speed of the load shaft and rendered operable at a predetermined speed for converting said dynamo from a motor to a generator and thereby reverse the direction of power flow.

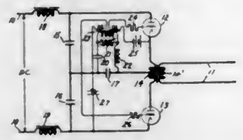
2,179,365
ANTENNA
Harold E. Williams, Carthage, Mo.
Application April 21, 1937, Serial No. 138,156
9 Claims. (Cl. 250—33)



1. In an antenna for an automobile, an antenna rod, and a post supporting and insulating said rod and two clamping jaws adjustable on said post circumferentially and one toward and from the other and adapted to releasably clamp a part of the automobile.

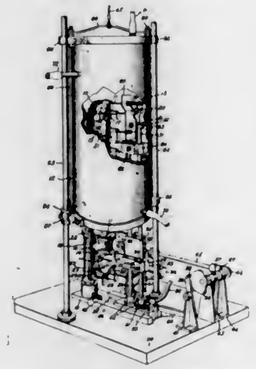
2,179,366
ELECTRIC VALVE CONVERTING SYSTEM
Clodius H. Willis, Princeton, N. J., assignor to General Electric Company, a corporation of New York
Application January 28, 1938, Serial No. 187,410
8 Claims. (Cl. 175—363)

1. The combination comprising a source of current, a high frequency load circuit, and an electric valve converting system for transmitting energy from said source to said load circuit, said converting system comprising a plurality of electric discharge valves interconnected by an inductor and being arranged across said source of current, a plurality of capacitors each connected across a different portion of said inductor and



said valves, means for energizing said load circuit from said inductor, and means for controlling the conductivities of said valves.

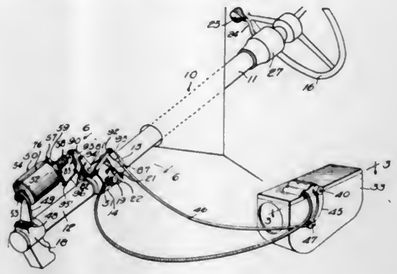
2,179,367
METHOD AND APPARATUS FOR TREATING FILAMENTS
William P. Zabel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application March 30, 1937, Serial No. 133,854
9 Claims. (Cl. 176—4)



7. An apparatus for the heat treatment of metal filaments comprising heating means, a double-walled hood surrounding the heating means for retaining a non-oxidizing gaseous atmosphere which is lighter than air about said heating means, means for introducing a cooling liquid into the space between the walls of the hood to cool it and for withdrawing said fluid, a boat of exceedingly small mass and heat capacity for holding a filament and means for causing the boat to be carried into the said hood and to be located in operative relation to the heating means for an interval of time, for holding said boat in said non-oxidizing atmosphere and out of operative relation with the heating means for another interval of time while the boat and filament cool and for thereafter removing the boat and filament from the non-oxidizing atmosphere.

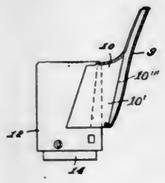
2,179,368
GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES
Henry Baade, Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application September 3, 1938, Serial No. 228,441
22 Claims. (Cl. 74—335)

1. In a motor vehicle, the combination with a steering column and a transmission having a member shiftable to provide different gear ratios, of a pair of supports carried by the steering column, a fluid pressure motor connected to one of said supports, control valve mechanism for said motor, a lever assembly supported by the other of said supports, a manually operable element, means connecting said element, said motor and



said valve mechanism to said lever assembly to cause said valve mechanism to be actuated upon movement of said manually operable element and to partake of a follow-up action with respect to said motor upon operation thereof, and means connected to transmit movement of said motor through portions of said lever assembly to said shiftable member.

2,179,369
CHAIR BACK
Irl R. Bromagem, Union City, Ind., assignor to Union City Body Company, Union City, Ind., a corporation of Indiana
Application April 26, 1937, Serial No. 138,977
1 Claim. (Cl. 155—194)

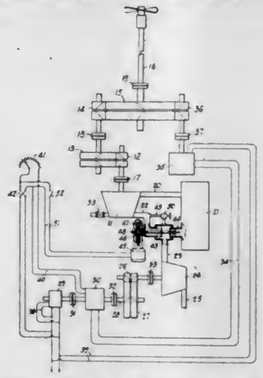


A chair back comprising a back portion having at its opposite edges forwardly extending wings and formed from a single sheet of metal, a side panel for connecting each wing with a support standard and a connecting plate welded respectively to each side panel and its associated wing, the rear edge of said plate extending substantially parallel with the chair back to provide a bend line parallel with the bend line in the wing parallel with the chair back.

2,179,370
MARINE PROPULSION SYSTEM
Percy C. Day, Brookfield, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application April 29, 1937, Serial No. 139,649
16 Claims. (Cl. 290—4)

1. In a marine driving system the combination of a constant speed turbine, an electric generator driven by said turbine, a driving motor driven by said generator, means for varying the speed of said motor, a second turbine receiving steam

from said first named turbine, and a shaft driven by said system, said second turbine and said



driving motor being each connected in driving relation to said driven shaft.

2,179,371

DYEING TEXTILE MATERIALS

Colver P. Dyer, Winchester, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application May 29, 1936, Serial No. 82,523

7 Claims. (Cl. 8—54)

1. A dye levelling compound for retarding the fixation of dyes to proteinous materials comprising a reaction product of formaldehyde and naphthalene sulfonic acid, an unneutralized 3.5 gram sample of which, when it is of such water content as to contain .76 gram of naphthalene, will dissolve in 1,500 cc. of water at 90° C. within a period of approximately six to thirty minutes.

2. A method of promoting uniform dye impregnation of woolen textile material with acid dyes comprising incorporating into the bath employed in dyeing the material, a condensation product of naphthalene sulfonic acid and formaldehyde, said condensation product being semi-gelatinous when admixed with 8.4 parts of water per unit weight of naphthalene introduced into the reaction product, and further characterized by the ability to retard the fixation of acid dyes to the textile material.

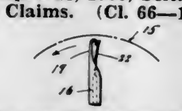
2,179,372

HOSIERY MENDING DEVICE

August G. Eichholz, St. Louis, Mo., assignor of forty-nine one-hundredths to Albert J. Epelley, St. Louis, Mo., and twentyfour-and-one-half one-hundredths to Joseph Gebhart, St. Louis, Mo.

Application April 14, 1938, Serial No. 202,002

10 Claims. (Cl. 66—1.5)



1. A device for mending knitted fabric comprising a portable base, an upward extension thereon, a reciprocating needle bar mounted in said extension for movement in a vertical plane, a hook at the upper end of said bar, a reciprocating release bar mounted in said extension for movement in a vertical plane and operable in correlation with said needle bar, and a resilient finger fixed on the upper end of said release bar and adapted to engage and close said hook.

2,179,373

MACHINE FOR MAKING FIRECRACKERS

Raymond C. Hitt, Seattle, Wash.

Application March 11, 1938, Serial No. 195,326

4 Claims. (Cl. 86—20)



1. A machine for building fire crackers comprising, a frame and a cylinder rotatably mounted thereover, perpendicular grooves on the side of said cylinder for carrying elongated tubular material for powder sacks, a knife rotatably mounted adjacent said cylinder adapted to cut said tube into sections for said powder sacks, a roller mounted on said frame adjacent said cylinder for flattening the lower ends of such sections, a track over said frame, a conveyor chain slidably mounted upon said tracks in spaced relation from said cylinder, pairs of curved jaws extended from such chain to provide sockets, a finger mounted adjacent the lower end of such cylinder adapted to shift said sacks from said cylinder into said sockets, a belt movably positioned along a portion of such chain and adapted to fold said flattened ends upward, spaced rollers rotatably mounted on said frame over said sockets adapted for flattening the tops of said sections, a strap mounted adjacent said rollers in twisted shape, adapted for turning down said flattened tops and for pressing such tops against the central portions of said sacks for insertion into containers.

2,179,374

PNEUMATIC CORD TIRE AND CORD TIRE FABRIC

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 19, 1937, Serial No. 159,917

3 Claims. (Cl. 152—359)



1. A pneumatic tire casing of vulcanized rubber having cords embedded therein, the cords lying side by side substantially parallel and closely spaced to form a sheet of reinforcing cords, the cords bending back and forth in the plane of the sheet to provide a series of relatively short closely spaced undulations along the length of each cord, the undulations of the cords permitting portions of the cords lying within restricted areas to straighten and permit local stretching of the tire carcass under severe local impacts, whereby the tire carcass may be subjected to severe local distortions without subjecting the cords to excessive tensile stresses.

2,179,375

CARPET OR RUG FABRIC

Russell R. Matthews, Cornwall, N. Y., assignor to Firth Carpet Company, Inc., New York, N. Y.

Application July 12, 1938, Serial No. 218,743

2 Claims. (Cl. 139—406)

1. A pile fabric comprising face and back wefts with stuffer warps between, binder warps over and under the face and back weft shots respectively, pile warps above the stuffer warps which, with the face wefts, form a surface coextensively masking the foundation, the said pile



warps being selectively raised and left unraised to form tufted and untufted repeat patterns, the pile tufts being bound immed'ately at their bases and carried to a height, and cut while under a tension, sufficient to splay the tufts into at least touching engagement across the untufted pattern areas.

2,179,376

CANDY PACKAGE

William J. McDonald, Brooklyn, N. Y., assignor to Pecheur Lozenge Company, Inc., Brooklyn, N. Y., a corporation of New York

Application August 25, 1938, Serial No. 226,795

4 Claims. (Cl. 99—180)



1. A candy package comprising a plurality of elongated hard candy cylinders placed parallel with their axes lying in a single plane, a three-panel cardboard tray supporting said cylinders, having a main panel of the length of the cylinders and having a width slightly greater than the width of the assembled parallel cylinders so that the side panels of the tray when engaging the cylinders shall form an acute angle with the main portion of the tray, and a transparent covering for the tray and contents, said transparent covering holding the side panels of the tray in contact with the hard candy cylinders.

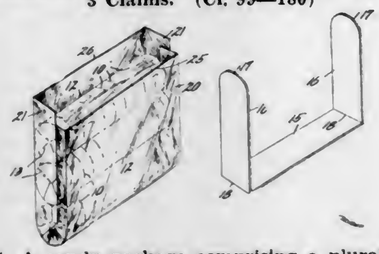
2,179,377

PACKAGE

William J. McDonald, Brooklyn, N. Y., assignor to Pecheur Lozenge Company, Inc., Brooklyn, N. Y., a corporation of New York

Application August 25, 1938, Serial No. 226,796

3 Claims. (Cl. 99—180)



1. A candy package comprising a plurality of rolls of candy wrapped as cylinders in transparent coverings with their axes in a single plane, a member having a central panel fitting along an edge of one roll and having two end panels covering the ends of all of the cylindrical rolls, the width of the member being uniformly the same as the diameter of the candy rolls and its two ends being semi-circular, a transparent sheet covering snugly the member and the rolls having its sides closed upon themselves to form a bag with a rounded bottom, one end of the sheet being folded over the central panel of the member and the other end being sealed to said one end, whereby upon pulling said other end the bag may be unsealed and the member may readily be removed to give access to the top roll, said member serving to strengthen the package, form a support so that the package may stand erect as for display, and upon first use of the package may be discarded to reduce weight and bulk of the package which remains as a bag affording sanitary protection to the remaining rolls.

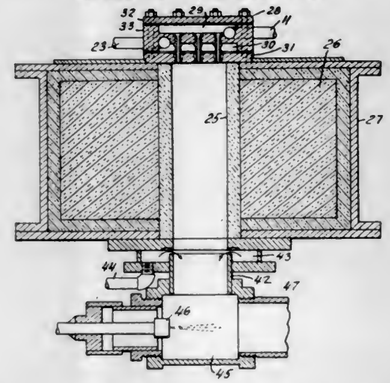
2,179,378

PRODUCTION OF ACETYLENE

Floyd J. Metzger, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application July 18, 1936, Serial No. 91,407

4 Claims. (Cl. 260—679)



1. In the process of producing acetylene from more saturated hydrocarbons by combustion with an amount of oxygen insufficient for complete combustion, the improvement which comprises introducing into a large combustion and reaction chamber a large number of separate high velocity jets of gaseous hydrocarbon and a large number of separate high velocity jets of oxygen, the jets being so directed as to cause commingling and combustion in a localized and regulated manner and with blending of the resulting jets and products of combustion in a composite combustion or reaction zone.

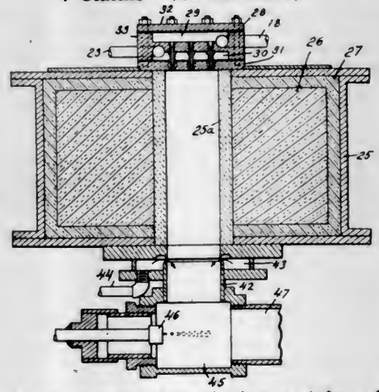
2,179,379

MANUFACTURE OF ACETYLENE

Floyd J. Metzger, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application July 18, 1936, Serial No. 91,408

7 Claims. (Cl. 260—679)



1. In the process of producing acetylene from

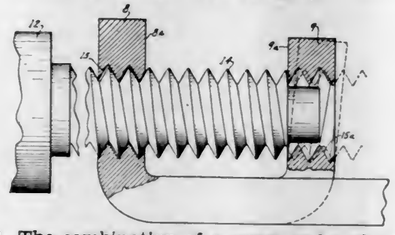
liquid hydrocarbons by combustion with an amount of oxygen insufficient for complete combustion, the improvement which comprises admixing hydrocarbon vapors with steam and causing regulated combustion of the resulting admixed hydrocarbon vapors and steam with oxygen in such proportions as to give regulated combustion with resulting production of acetylene, the admixed hydrocarbon vapors and steam, and the oxygen, being separately introduced into the chamber in which the combustion takes place.

2,179,380

ADJUSTABLE THROTTLE VALVE STOP

Ernst H. Nieman, Normandy, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application June 20, 1939, Serial No. 280,111
4 Claims. (Cl. 74—526)



1. The combination of a screw and a plurality of yieldably connected members perforated and internally threaded in alignment and engaging said screw, the threads of said screw being of different pitch than said internal threads, and said members being spaced to a dimension which varies to some degree from a common multiple of both pitches thereby requiring relative movement of said members for the engagement of said screw.

2,179,381

INSULATED MEMBER

Russell E. Palmateer, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Original application March 18, 1935, Serial No. 11,696. Divided and this application July 22, 1936, Serial No. 92,050
10 Claims. (Cl. 154—2.6)

1. A composite insulator member for radio tubes comprising a sheet of refractory electric insulating material, and a separate coating of a refractory material thereon comprising a dried hydrolyzed metallic salt of high electric insulating qualities to improve the surface insulation characteristics of the member.

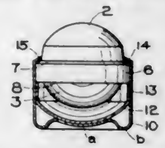
2,179,382

REFLECTOR

Charles A. Persons, Worcester, Mass., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass., a corporation of Massachusetts

Application May 21, 1936, Serial No. 80,969
4 Claims. (Cl. 88—82)

1. A reflector unit of the character described comprising a lens, a cup-shaped metal shell, the bottom of said shell including a central socket, a concave reflector positioned and supported in said socket at approximately the focus of the lens, means spacing said lens from said reflector and supporting the lens on the edges of the reflector, said shell having an annular rim portion surrounding said socket and yieldingly supporting it, said rim portion projecting below said



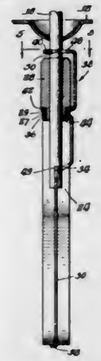
socket sufficiently to space the socket substantially from a support on which the rim portion rests.

2,179,383

WHIPPER

Frank Rodwick, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 3, 1939, Serial No. 259,583
12 Claims. (Cl. 259—134)



1. Means for releasably and positively securing a driven element to a drive shaft and comprising drive shaft receiving means on said driven element, said driven element having a non-circular coupling means facing toward said shaft receiving means and in axial alinement therewith, the end of said drive shaft being provided with mating non-circular coupling means adapted to extend axially into engagement with said first named coupling means when the shaft is inserted axially of the shaft receiving means to prevent relative rotational movement between the shaft and the driven element, said drive shaft having a keeper conformation at a predetermined point along its length, and yieldable latch means mounted upon said driven element and extending axially therefrom toward said keeper receiving means, and releasably engageable with said keeper to retain the driven element in a predetermined axial position on the drive shaft.

2,179,384

THERAPEUTIC COMPOSITION AND PROCESS OF MAKING IT

David Alymer Scott, Forest Hill, Ontario, and Albert Madden Fisher, Toronto, Ontario, Canada, assignors to The Governors of The University of Toronto, Toronto, Ontario, Canada

No Drawing. Application April 5, 1937, Serial No. 135,106. Renewed April 18, 1939
10 Claims. (Cl. 167—75)

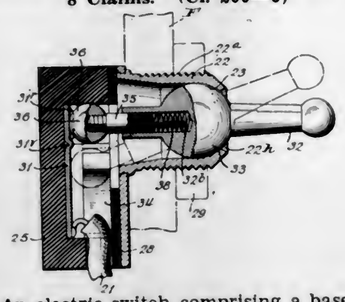
9. A composition of matter, comprising "Insulin", protamine, and added zinc.

2,179,385

SWITCH

Joseph Singer, New York, N. Y., assignor to Leo H. Kalow, New York, N. Y.

Application December 8, 1937, Serial No. 178,661
8 Claims. (Cl. 200—6)



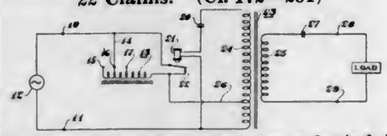
1. An electric switch comprising a base of insulating material having a pair of connecting recesses forming a guideway, a main fixed contact in said guideway approximating the shape of the guideway, a pair of fixed contact plates mounted on said base and a manually operable operator provided with a substantially universal pivot and having a contact bridging conducting end portion disposed within said guideway in contact with said main contact in all positions, the said operator being movable in said guideway from a neutral position in which the said end portion is out of contact with the said contact plates to different positions in which the said end portion is in contact with a selected contact plate.

2,179,386

FREQUENCY CHANGING SYSTEM

Closman P. Stocker, Lorain, Ohio, assignor of one-half to E. M. Heavens

Application May 2, 1938, Serial No. 205,397
22 Claims. (Cl. 172—281)



22. A static frequency reducer adapted to be energized by an alternating current supply source comprising an oscillating circuit including a condenser and non-linear inductance means arranged to oscillate at a reduced frequency, and means for introducing an additional voltage in series with the condenser, said additional voltage having a frequency the same as the supply frequency and subtracting from the supply frequency which flows through the condenser circuit.

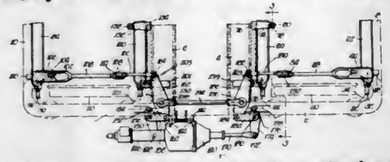
2,179,387

BRAKE ARRANGEMENT

Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application May 19, 1938, Serial No. 208,802
27 Claims. (Cl. 188—56)

1. In a four wheel railway car truck, a frame having side rails, power means and slack adjuster means on each of said rails, supporting wheel and axle assemblies, braking means for said wheels including a live truck lever adjacent each wheel, and connections between said power means and said braking means at each side of the truck, said connections comprising auxiliary levers fulcrumed at their inner ends from said side rail and connected at their outer ends to opposite ends of said power means, a dead cylinder lever having its outer end connected to one of said auxiliary levers and its inner end connected to



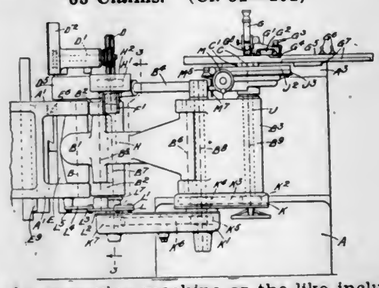
one of said truck levers, and a live cylinder lever having its outer end connected to the other auxiliary lever, a point intermediate its ends connected to the other cylinder lever and its inner end connected to said other live truck lever.

2,179,388

ENGRAVING MACHINE OR THE LIKE

William Taylor, deceased, late of Leicester, England, by Reginald Victor Rodwell, executor, Leicester, England, and Ernest Albert Cooke, Leicester, England, assignors to Kapella Limited, Leicester, England, a company of Great Britain

Application July 1, 1937, Serial No. 151,516. Renewed July 15, 1938. In Great Britain July 9, 1936
63 Claims. (Cl. 51—101)



1. An engraving machine or the like including in combination a tool support, a work support, a tracer support, a copy support, such supports being relatively movable, means for mechanically interconnecting the four supports in such a manner that during normal operation of the machine the geometrical relationship (at least in two dimensions) between the tool and work supports or the elements carried thereon is maintained in strict ratio to that between the tracer and copy supports or elements carried thereon, and means whereby the tool can be constrained to generate a circular arc on the work comprising a member associated with the tracer support, means for maintaining a pivot axis in such member at a distance from a datum point or origin on the tracer support proportional to the radius of the desired circular arc, and means for holding such member in pivotal engagement with the copy support with the pivot axis therein at a position on the copy support corresponding to the centre of the desired circular arc.

2,179,389

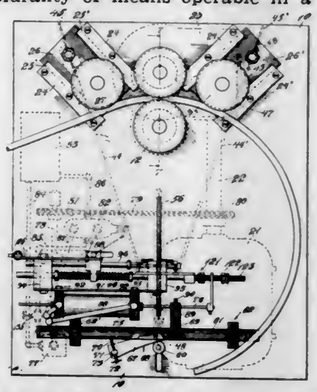
COILING APPARATUS

Ralph R. Turner, Warwick, and Francis W. Sullivan, Cranston, R. I., assignors to United Wire & Supply Corporation, a corporation of Rhode Island

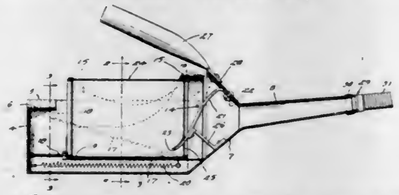
Application June 24, 1938, Serial No. 215,600
16 Claims. (Cl. 153—64)

1. In a coiling apparatus, a pair of feed rolls, a

bending roll movable relative to said feed rolls and positioned in advance of the feed rolls relative to the feeding of the work in the machine, and a plurality of means operable in a predetermined cycle of operation for moving the bending roll with reference to said feeding rolls to decrease the arc of the work coiled until a predetermined point is reached and then automatically increasing the arc of the work coiled.



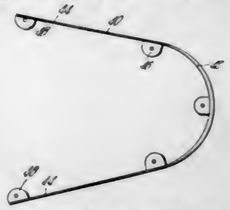
2,179,390
LIQUID DISPENSER
William C. Urton, Roswell, N. Mex., assignor of one-half to Roswell Motor Supply Company, Roswell, N. Mex., a corporation of New Mexico
Application February 7, 1939, Serial No. 255,120
6 Claims. (Cl. 221—23)



1. A dispenser for cans of fluid, comprising a receptacle-like body having an end formed to provide a discharge nozzle, a can receiving cradle pivotally secured within the receptacle adjacent said discharge nozzle and adapted to be swung into the receptacle in parallel relation therewith, and a cutter element within the receptacle which is so constructed and arranged that when the cradle is swung into said parallel position with a can therein, a discharge opening will be cut into the can at the end adjacent the discharge nozzle.

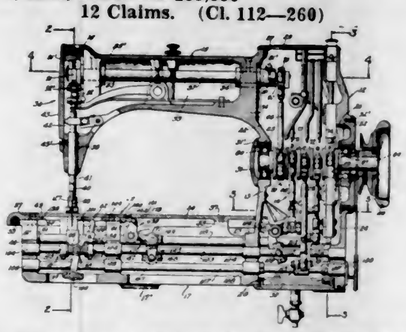
2,179,391
SHOE CONSTRUCTION
Joseph S. Waversack, Westfield, Mass.
Application February 11, 1939, Serial No. 255,850
2 Claims. (Cl. 36—73)

1. The combination with a shoe-heel having an upper part of a certain area and a reduced lower part with spaced horizontally-extending recesses in said lower part just below said upper part of a device of the class described comprising, a vertically-disposed relatively thin metal strip member having a central portion which is relatively thicker than its opposite end portions, said central portion being disposed closely adjacent the back surface of said lower part of the heel and said end portions being disposed closely adjacent the side and front surfaces of said lower part of the heel, the outer surface of said strip member being in a plane with the outer surface



of said upper part of the heel and its lower marginal edge being in a plane with the bottom surface of the heel, and horizontal tongues integral with said strip member extending into and secured in said recesses.

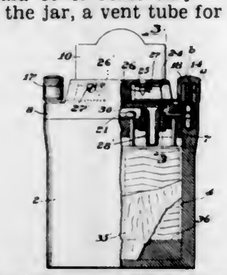
2,179,392
SEWING MACHINE
John P. Weis, Nyack, N. Y., and Frederick F. Zeier, Bridgeport, Conn., assignors to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Original application October 27, 1934, Serial No. 750,259. Divided and this application January 20, 1938, Serial No. 185,886
12 Claims. (Cl. 112—260)



1. In a sewing machine convertible from a flat bed to a cylindrical type of sewing machine adapted to sew a tubular or cylindrical article, the combination of a frame; an arm extending from said frame; a removable cloth plate with an aperture, adapted to be connected to the arm; an adaptor plate locatable completely within the aperture and supportable on the arm; and a throat plate also locatable in the aperture and supportable on the adaptor, said adaptor and throat plate while supported on the arm permitting removal and interchangeability of the cloth plate to convert the machine from a flat bed to a cylindrical type of sewing machine.

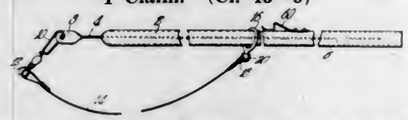
2,179,393
STORAGE BATTERY FOR HEARING-AIDS
Grant Wheat, Marlboro, Mass., assignor to Koehler Manufacturing Company, Marlboro, Mass., a corporation of Massachusetts
Application September 27, 1935, Serial No. 42,477
4 Claims. (Cl. 136—170)

1. A storage battery comprising a battery jar having a chamber therein, storage battery elements in said chamber, a cover for said jar, terminals for said battery anchored in the wall of said jar, means cooperating with said terminals to secure said cover removably in its operative position on the jar, a vent tube for said chamber



and a body of absorbent fibrous material closing the passage through said tube and held in its operative position by said cover.

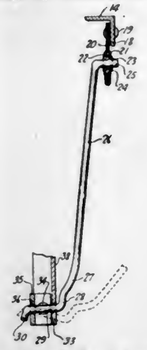
2,179,394
TAILER
Lee Wulff, New York, N. Y.
Application June 28, 1937, Serial No. 150,715
1 Claim. (Cl. 43—5)



As a new article of manufacture, a snare for snaring fish comprising, an elongated support member having a central bore and the walls at the outer end thereof formed to provide a restricted elongated outlet slot transversely of said bore and leading thereinto, a flat flexible member within said bore having its forward end extending through said slot and adapted to be moved outwardly of said support member through said slot, the side walls of said slot engageable with the sides of the flexible member to prevent rotating of said member relative to the support in all relative positions thereof, a cable member having a ring on one end thereof slidably disposed around said support member, and a swivel connection connecting the other end of said cable member and the forward end of said flat flexible member.

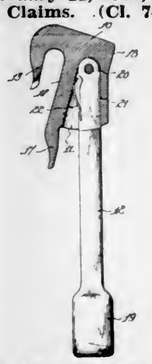
2,179,395
HANGER STRUCTURE FOR GLIDERS
Harry A. Yerrick, Toledo, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application October 26, 1938, Serial No. 236,970
2 Claims. (Cl. 5—124)

1. In an article of furniture having a pair of laterally spaced upright end frames and a supporting structure disposed between said end frames for to and fro swinging movement, and means for suspending the supporting structure from said end frames, said means comprising a pair of rods pivotally secured at their upper ends respectively to each end frame and spaced longitudinally thereof, a leg for each rod depending from said supporting structure, each leg having a pair of spaced walls, the inner wall having a hole and the outer wall having a notch, an inwardly extending substantially horizontal portion on the lower end of each rod, and a substantially right angle bend on the free end of said horizontal portion, said horizontal portion extending through said notch and through said hole to form a two-point horizontal bearing for the leg with the bent end disposed inwardly of the said inner wall, the rod being consequently connectible to or detachable from the leg by tilting in the notch where-



upon the bent end may be inserted in or removed from the hole.

2,179,396
WRENCH FOR COUPLING SUCKER RODS
Amos L. Barrington, Brownwood, Tex.
Application February 11, 1938, Serial No. 190,081
3 Claims. (Cl. 7—1)

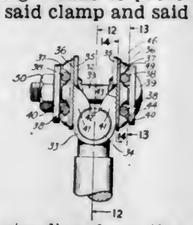


1. A wrench for coupling and uncoupling sucker rod joints comprising a handle, and a head having a pair of rigid jaws at its upper end, a downwardly projecting portion at one side, and a recess tapering inwardly from the lower end of the head and in which the upper end of the handle is pivoted for tapping it against the downwardly projecting portion in tightening and loosening joints, the aforementioned downwardly projecting portion being spaced in parallel relation with the upper portion of the handle when positioned outwardly therefrom, to provide an auxiliary pair of work-engaging jaws intermediate the rigid jaws and outer end of the handle for manipulating the joint after it is loosened or before it is tightened.

2,179,397
CYCLE SADDLE CLAMP
John W. Brandt, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application February 20, 1936, Serial No. 64,906
2 Claims. (Cl. 287—14)

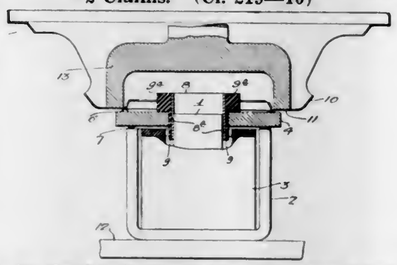
1. In a cycle saddle clamp of the class described, adapted to be telescoped over a substantially horizontal saddle post and to support the saddle in fixed adjusted position on said post, a clamp member in the form of a sheet metal strip

bent generally to the form of a U-shaped loop, the inner surface of the loop yoke portion adapted to engage the surface of the post, said clamp member having means to prevent relative rotation between said clamp and said post comprising



projections extending from the side portions of the loop and projecting inwardly and toward the yoke portion thereof adapted to bite into said post when the ends of said clamp are drawn together.

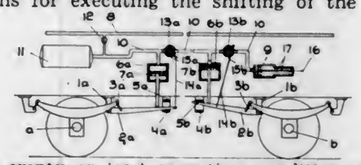
2,179,398
METHOD OF ASSEMBLING AND WELDING LOUDSPEAKER PARTS
Joseph A. Briggs, Erlton, N. J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 15, 1937, Serial No. 180,019
2 Claims. (Cl. 219—10)



1. In the fabrication of loudspeakers having a field structure comprising a field yoke and a central pole piece, an apertured top plate and a cone frame; the steps in the method of assembling said parts which consist in forming projecting teats on certain of said parts at predetermined locations thereon so that when the top plate is positioned on the field yoke and the cone frame on said top plate each of said parts will contact an adjacent part solely at said projecting teats, positioning said apertured top plate on the field yoke so that the central pole piece resides in the aperture thereof, fixedly centering said top plate aperture with respect to said central pole piece, positioning said cone frame loosely on the top plate and then passing an electric current from the cone frame to said top plate and from the latter to said field yoke to simultaneously weld said parts together, said teats permitting slippage of said parts during welding to be taken up by movement of said cone frame with respect to the top plate while the latter is maintained accurately centered with respect to the central pole piece.

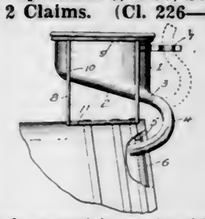
2,179,399
AUTOMATIC CONTROL MECHANISM FOR EMPTY AND LOAD BRAKES
Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application November 30, 1937, Serial No. 177,334
In Germany December 3, 1936
7 Claims. (Cl. 188—195)

1. In combination with an empty and load brake equipment for a vehicle, an automatic mechanism for controlling the conditioning of the brake for empty or load operation, comprising members movable between two opposite positions, such members being disposed at both ends of the vehicle and each arranged to be actuated by the load resting on the corresponding end of the vehicle so as to take one of its positions when the vehicle is empty and the opposite position when said vehicle end is loaded, servomotor means for executing the shifting of the brake



into empty or load operating condition respectively, and means interconnecting the movable members and the servomotor means, said interconnecting means being so arranged as to cause the servomotor means to keep the brake conditioned for empty car operation as long as any of the movable members takes its position corresponding to empty car, and to condition the brake for loaded car operation only when all of the movable members take the position corresponding to loaded car.

2,179,400
SUPPORTED FUNNEL
John R. Casner, Piggott, Ark.
Application September 7, 1937, Serial No. 162,739
2 Claims. (Cl. 226—31)

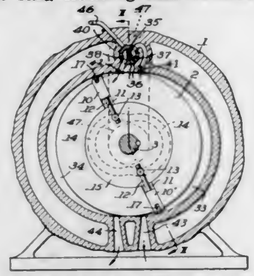


1. A funnel comprising a liquid receiving body shell having an open top and a closed bottom sloping downwardly from one side of the shell to the opposite side thereof, said shell being formed with an integral outlet nozzle extending laterally from its deepest side in substantially the same angular direction as the inclined bottom, an elongated flexible delivery tube communicably attached at its inner end to said outlet nozzle, and a rigid open frame for supporting the funnel shell interchangeably upon the side or end of a barrel in the same vertical relation with the lowermost bottom portion of the shell at a considerable elevation above the barrel, said frame being within the vertical planes of the outermost side wall portions of the body shell but supporting the funnel to resist the overbalancing effect of the protruded outlet nozzle and delivery tube extension.

2,179,401
ROTARY INTERNAL COMBUSTION ENGINE
Jacques Chkliar, Brussels, Belgium
Application October 22, 1935, Serial No. 46,169
In Belgium October 24, 1934
2 Claims. (Cl. 123—16)

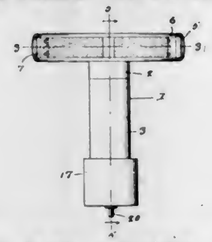
1. A rotary internal combustion engine of the type described comprising in combination a stator, a cylindrical rotor mounted to rotate in said stator, chambers provided in pairs in said stator

around said rotor and having their longitudinal section in arcs of a circle, said rotor having radial grooves therein, movable blades operated by centrifugal force for sliding in said grooves, one chamber of each pair being the compression chamber wherein air admitted at atmospherical pressure is compressed by the foreside of a blade when traveling in said chamber, another chamber of each pair being the combustion and expansion chamber in which a motor impulse due to the expansion of a gas mixture when burning is exerted on the rear side of the same blade, means for separately compressing fuel, a tubular housing provided in said stator between two contiguous chambers thereof, a rotary tubular valve operated to rotate in said housing at the same angular speed as said rotor, two chambers of an equal volume provided in said rotary tubular valve, ports provided in said tubular valve, ports provided in said housing and connected to said



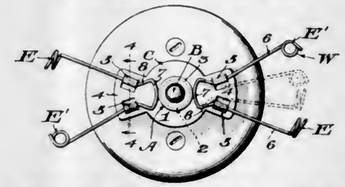
chambers of the stator, said ports in said rotary valve and said housing being adapted to register so that each chamber of said rotary valve is successively communicating with said compression chamber and said combustion and expansion chamber of the stator, means for delivering fuel under pressure into compressed air contained in a chamber of said rotary valve, which begins to communicate with said combustion and expansion chamber of the stator, whereby a gas mixture is formed and spontaneously ignited within said chamber, said ports being arranged in such a manner that said chambers of said rotary valve are simultaneously communicating with said chambers of the stator, so that the gas mixture is delivered burning from a chamber of said rotary valve into the combustion and expansion chamber of the stator while at the same time air is driven from the stator into the other chamber of said rotary valve.

2,179,402
ELECTRIC TOOTH BRUSH
Bernard Doran, Malta, Mont.
Application January 6, 1938, Serial No. 183,705
3 Claims. (Cl. 15—22)



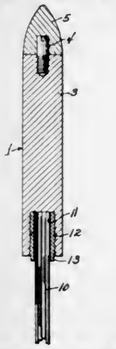
1. A tooth brush comprising an arcuately curved holder including guide flanges, plates slidably supported by said flanges for movement in a curved path, cleaning elements removably secured to said plates, a handle for said holder, flexible rods secured in said holder and connected to said plates, a power driven means for flexing said rods to impart reciprocation to said plates.

2,179,403
FLIER BLOCK
George W. Evans, Ashley, Pa.
Application December 1, 1937, Serial No. 177,593
Renewed March 1, 1939
5 Claims. (Cl. 57—116)



1. A flier block including a mounting plate, lugs struck up from said mounting plate, and a flier wire doubled upon itself to provide divergently related resilient arm portions and a loop connecting the same, said resilient arm portions being expansively engageable with said lugs when inserted therebetween and said loop having shoulder portions for engaging the inner ends of the lugs to prevent outward movement of the flier wire relative to the mounting plate.

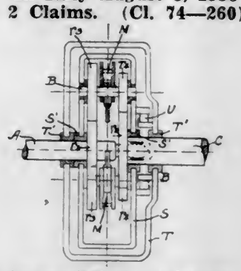
2,179,404
ROCKET PROJECTILE
Peter V. Fabionar, Norwalk, Calif.
Application February 14, 1939, Serial No. 256,353
1 Claim. (Cl. 273—106)



In a projectile including an elongated cylindrical head having a target receiving tip at the forward end thereof, said head being provided with a relatively wide bore extending longitudinally therein from its rear end and the bore being threaded throughout its length, and a tail comprising a plurality of relatively long flexible tapered strands formed from fibrous material and having their large ends terminating flush with each other and adhesively secured together for the disposal of the strands in bundle formation, the remaining portions of the strands being free, a flexible strip wrapped about the large ends and adhesively secured thereto, an exteriorly threaded sleeve having the wrapped ends of the strands secured therein, and said sleeve being threadedly secured within the bore and having

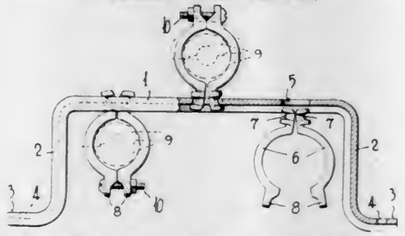
a square cornered end portion to receive a tool to facilitate the application and removal of the tail with respect to the head.

2,179,405
POWER TRANSMISSION MECHANISM
Mario de Falco, Rome, Italy
Application July 10, 1937, Serial No. 152,890
In Italy August 5, 1936
2 Claims. (Cl. 74—260)



1. Power transmission mechanism comprising coaxial driving and driven shafts, gears on said shafts, planetary gears meshing with said driving and driven shaft gears, a casing having a shaft on which said planetary gears are fixed, said shaft being rotatable on its axis and said casing being rotatable about the axis of the driving and driven shafts, and centrifugal means associated with said planetary gears and comprising a weight mounted directly on the planetary gear shaft and another weight mounted on said shaft through an eccentric.

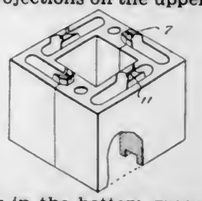
2,179,406
RACK
Ray Fitzpatrick, East Palestine, Ohio
Application March 25, 1938, Serial No. 198,139
4 Claims. (Cl. 248—68)



1. A rack structure for supporting in spaced relation a plurality of electric current conductors comprising a length of channel stock disposed in substantial U-shape, having leg portions adapted to engage a support and having a base, the flanges of each leg portion extending toward the flanges of the other and the web of the channel forming the outer surface of the base, said base web being provided with a plurality of spaced openings, and a conductor supporting element mounted in each of at least some of said openings, disposed between the base and the support, and spaced from the support by said legs.

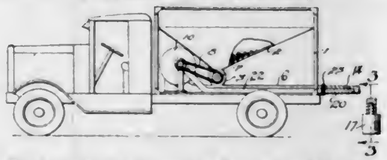
2,179,407
BUILDING BLOCK
Antonio C. Flores, San Antonio, Tex.
Application October 12, 1938, Serial No. 234,711
2 Claims. (Cl. 72—41)

1. A building block of the class described having spaced openings therein extending from the bottom edge of the block through the top edge thereof, said block having a rib on one side edge and a groove in the opposite side edge for receiving a rib of a second block and said block having a groove in its lower end, portions of which are formed by the vertically arranged openings and projections on the upper edge of the



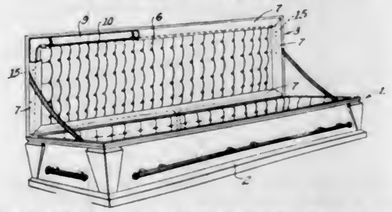
block for fitting in the bottom groove, said projections being formed on those portions of the block which are separated by the openings, said projections having straight side walls and the groove at the bottom of the block having straight side walls, those projections at the ends of the block carrying portions of the ribs and grooves at the side edges of the block.

2,179,408
PNEUMATIC UNLOADER
Brand F. Gregoric, Detroit, Mich., assignor to Pneumatic Truck Body Corporation, Detroit, Mich., a corporation of Michigan
Application September 9, 1937, Serial No. 163,112
4 Claims. (Cl. 302—17)



1. In a pneumatic unloader, a truck having a hopper, an air conduit beneath the hopper, feed mechanism between the hopper and air conduit adapted to feed the material from the hopper to the air conduit, a blower adapted to blow air through the air conduit, means for driving the blower and means connecting the blower with the feed mechanism whereby operation of the blower drives the feed mechanism, a venturi at the discharge end of the air conduit, a housing about the venturi and a return conduit leading from the housing back to the intake of the blower.

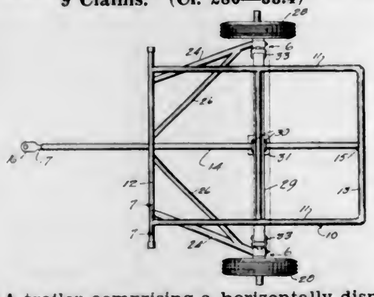
2,179,409
CASKET ILLUMINATING APPARATUS
Dexter D. Hulsart, Columbus, Ohio, assignor to The Columbus Coffin Company, Columbus, Ohio, a corporation of Ohio
Application January 21, 1937, Serial No. 121,627
1 Claim. (Cl. 240—2)



In a casket of the type provided with a hinged

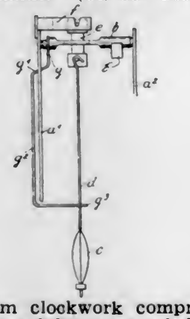
cover section lined with fabric and having arcuate fabric covered molding strips secured on the inner side adjacent to the edges thereof, a source of light carried by said cover section in back of at least one of said molding strips, the inner edge of the strip in front of said light source being slightly spaced from the lining of said cover to provide a narrow slot through which light rays will be directed onto the lining of the cover only.

2,179,410
TRAILER
Foy Eugene Johnson, Turkey, Tex.
Application December 10, 1938, Serial No. 245,027
9 Claims. (Cl. 280—33.4)



1. A trailer comprising a horizontally disposed rectangular frame structure formed of a U-shaped tubular frame member and a tubular front member, a tubular connecting member connecting the free ends of said U-shaped member together, and having end terminal portions extending laterally in opposite directions from said ends, a pair of wheel supporting arms, a depending suspension connected to the laterally extended portions of said front frame member, means swingably securing said arms to said suspension, a spindle carried by each arm, a draw bar extending longitudinally of the frame structure and fixed to said front and rear frame members, a semi-elliptical spring disposed transversely of said frame structure, means securing said spring to said draw bar, and means mounted on and for rockably securing the ends of said spring to said spindles.

2,179,411
PENDULUM CLOCKWORK
Helmut Junghans, Schramberg-Sulgen, Wurtemberg, Germany
Application July 1, 1938, Serial No. 217,067
In Germany April 21, 1937
5 Claims. (Cl. 58—123)



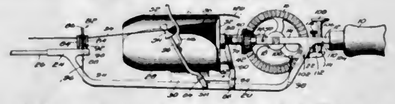
1. A pendulum clockwork comprising spaced frame plates, a pendulum suspended between the frame plates, and an anchor shaft mounted in the plates and having means permitting the passage of the pendulum through the axis of the anchor shaft to decrease the distance between the frame plates and thus the depth of the clockwork, the said shaft extending around the point of intersection of the pendulum and the axis.

2,179,412
STEP OR RUNG
Charles F. Keuthan, Middletown, Ohio
Application October 4, 1938, Serial No. 233,312
2 Claims. (Cl. 228—46)



1. A step formed with inner and outer portions, said outer portion sheathing said inner portion and constructed of a corrosion resistant material constituting a protection for said inner portion against corrosive elements present in manholes and the like, said outer portion fashioned with angularly disposed end sections adapted to engage the wall of a manhole and coact with said wall to maintain said step in fixed condition relative to said wall.

2,179,413
FISHING ROD AND REEL
Vincent J. Kolosso, Appleton, Wis.
Application November 9, 1938, Serial No. 239,715
5 Claims. (Cl. 43—20)

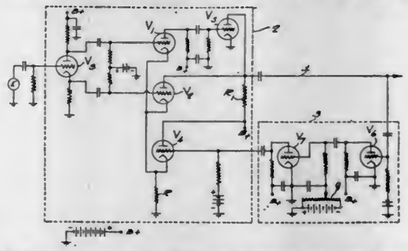


1. A fishing reel comprising a handle, a mount carried by said handle, a rod, a bracket interconnecting the rod with said mount, a line spool, a gear rotatably mounted on said arm, a gear connected with said line spool and including means rotatably journaled in said mount, a line guide pivotally connected with said means, and an operating connection between said line guide and said first gear.

2,179,414
CONTRAST AMPLIFIER
Philip J. Konkle, Cincinnati, Ohio, assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 25, 1937, Serial No. 144,733
8 Claims. (Cl. 179—171)

1. In an electrical signaling system, an input circuit, an output circuit, signal amplifying means connected between said input circuit and said output circuit constructed and arranged to transfer signals over a wide frequency range, means for

deriving a control signal from one of said circuits, signal amplifying means for said control signal constructed and arranged to operate over said frequency range, means for applying the amplified control signal to said first amplifying means to control the gain thereof, whereby the gain of



said first signal amplifying means varies instantaneously with the amplitude of the signal in said circuit at the point where the control signal is derived, and means for preventing said control signal or any component thereof from appearing in said output circuit.

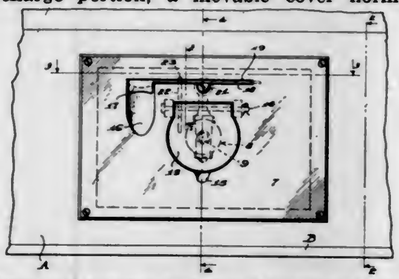
2,179,415
AERIAL AND THE LIKE
Arthur T. Mace, East Cleveland, Ohio, assignor to The Radiart Corporation, Cleveland, Ohio, a corporation of Ohio
Application January 14, 1939, Serial No. 250,990
3 Claims. (Cl. 287—58)



3. In an automobile radio antenna, two elongated members mounted for sliding movement relative to each other and adapted to cooperate to provide a signal receiving antenna and a waved spring member with a series of waves extending lengthwise thereof interposed between said two members and positioned such that the crests of the waves bear against one member and the troughs bear against the other member to resiliently position the said two members with respect to each other.

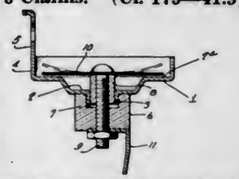
2,179,416
OUTLET BOX FOR A GAS COCK
Herman E. Malear, Cleburne, Tex.
Application September 13, 1938, Serial No. 229,747
8 Claims. (Cl. 137—111)

1. A housed type valve comprising a box having an open front and adapted to be installed in a wall with the open front substantially flush with the wall, a face plate covering the open front of the box, a gas pipe leading to a wall of the box, a gas valve mounted within said box, said gas valve having a discharge portion and communicating with said gas pipe, said face plate having an opening therethrough adjacent said discharge portion, a movable cover normally



closing said opening and giving access to said discharge portion, and valve operating means mounted rearwardly of said face plate and having a manipulating portion projecting through said face plate at a point remote from said cover.

2,179,417
COMPENSATING CONDENSER
Elmer E. Maxham, Beverly, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 30, 1937, Serial No. 172,005
3 Claims. (Cl. 175—41.5)

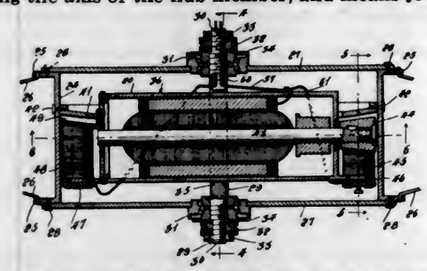


1. A thermally responsive condenser for radio-receivers or the like, comprising a rigid member forming one element of the condenser, said member having an annular face and a centrally apertured recessed portion, said member having an outwardly directed annular flange about said aperture, an insulating member having a recess receiving said flange, a thermally-responsive bimetallic circular disk electrically insulated from said member for forming another element of the condenser, and means for securing the central portion of said disk to maintain the disk in proper spaced relation to said member, while permitting the disk to flex at its outer portions in response to ambient temperature variations, comprising an insulating sleeve and a securing element extending through said insulating member, said sleeve and said disk, said disk being closely adjacent to said annular face but spaced from said recessed portion.

2,179,418
ELECTRIC BICYCLE
Thomas M. McDonald, St. Ignatius, Mont.
Application May 12, 1938, Serial No. 207,631
6 Claims. (Cl. 172—287)

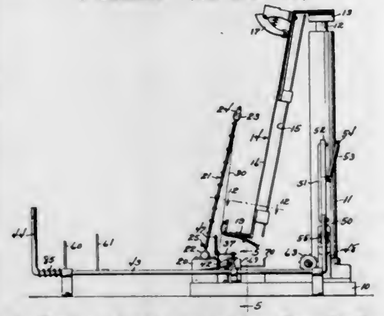
1. In a traction wheel for a vehicle of the class described, a rotatable hub member, a motor disposed within the hub member rotatable on an axis crossing the axis of the hub member and gearing between the hub member and motor, comprising an inwardly extending gear member on the hub member, the shaft of said motor being diametrically disposed and having a gear member on one end thereof engageable with the

first gear member substantially in a plane crossing the axis of the hub member, and means jour-



ing the motor in the hub member for bodily movement to engage and disengage said gears.

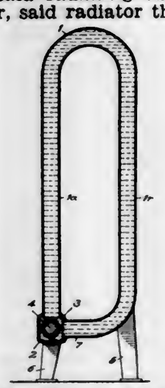
2,179,419
COPY HOLDER
Carey J. Meek, Wheeler, Tex.
Application April 26, 1937, Serial No. 139,050
9 Claims. (Cl. 120—29)



5. A device of the character described comprising a jack, a copy supporting plate raised and lowered by said jack, line indicator means arranged forwardly of the plate, manually controlled means for operating the jack, means operative for effecting a step by step movement to the line indicator means, and means operating the last-named means and actuated by the manually controlled means for operating the jack.

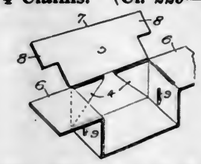
2,179,420
ELECTRICALLY HEATED RADIATOR
Johann Müller, Arbon, Switzerland, assignor to Aktiengesellschaft Hermann Forster, Arbon, Switzerland
Application October 12, 1938, Serial No. 234,683
In Switzerland April 2, 1937
1 Claim. (Cl. 219—38)

An electric radiator having an elongated, horizontally extending header, a liquid-tight tube extending lengthwise in said header substantially at the middle thereof, an elongated electric heating element in said tube, a plurality of spaced radiating elements extending upwardly from the header, said radiating elements being formed as tube coils each forming a complete endless circulating system for the heat accumulating and transfer liquid, each radiating tube coil consisting of a branch rising vertically from a point of the header above the heating tube and by a branch extending laterally from a point of the header below the junction point of the vertical branch with the header, then upwardly, and then laterally reversely to join said first-mentioned branch integrally, the junctions of the branches of said radiating tubes being welded to said header, said radiator thus being entirely



closed and adapted to operate under pressure, and the arrangement of the branches of the elements causing a circulation induced by heat expansion of the fluid.

2,179,421
PAPER BOX, CARTON, OR TRAY
John J. Murray, Yonkers, N. Y.
Application May 27, 1938, Serial No. 210,512
4 Claims. (Cl. 229—31)

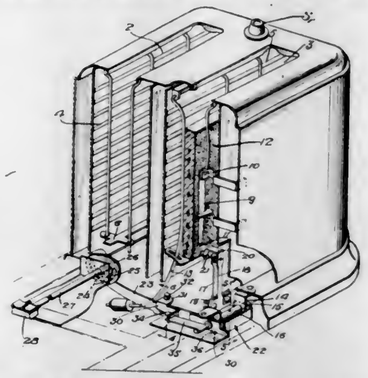


1. A foldable container of the character described formed from a single sheet of flexible material and comprising a bottom having side walls, end walls, and corner portions foldable inwardly between the ends of the side walls and the end walls, each side wall being of a single thickness of the material and each end wall being provided with a retaining flap adapted to be folded downwardly and inwardly therefrom over said infolded corner portions to hold the same in infolded position, inwardly extending and vertically elongated bosses forming abutment ribs on the side walls adjacent to but spaced inwardly from said webs, said abutments being pressed from the material of the side walls, and bracing and locking flanges on each retaining flap adapted to be bent inwardly therefrom to lie in bracing contact with the inner faces of the side walls and to engage the adjacent abutments thereon to hold the flap in holding position.

2,179,422
COOKING APPLIANCE
Joseph W. Myers and Robert O. Stevenson, Philadelphia, Pa., assignors to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1937, Serial No. 157,204
9 Claims. (Cl. 219—19)

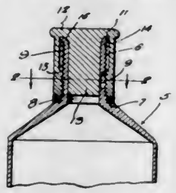
1. An automatic bread toaster adapted to toast successive slices of bread to any selected degree or color within the range of operation of the toaster, comprising electrical heating means within the body of the toaster, means within the

body of the toaster for supporting a bread slice in cooperative relation with said heating means, a thermomotive element mounted outside the surface of the bread slice being toasted and within the toasting zone where it will be significantly affected by the surface temperature of the bread being toasted and the heat radiated from said heating means, switch-controlled signaling means for indicating the completion of the toasting operation, including a switch operable by said thermomotive element when the element has



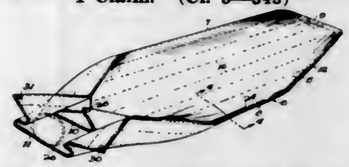
moved sufficiently, a second thermomotive element located in a zone of lower temperature where it is affected principally by temperatures which are a function of the toasting speed of the toaster, and means for causing the movement of said second element to substantially compensate for the effect upon said first element caused by the change in toasting ability of said heating means, thus causing said switch to be significantly affected by said first element in response to significant changes in the surface temperature of the bread being toasted.

2,179,423
CLOSURE DEVICE FOR COLLAPSIBLE TUBES AND THE LIKE
Jack Pari, New York, N. Y.
Application September 28, 1938, Serial No. 232,223
1 Claim. (Cl. 221—60)



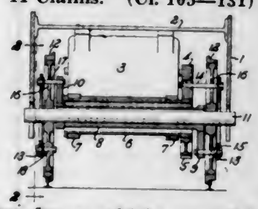
In a device of the character described, a closure for collapsible containers comprising a threaded smooth bored discharge nozzle having a longitudinal slot opening therein, a flanged end portion on said nozzle, a threaded cap engageable on said threaded nozzle, a plunger integral with and housed within said cap and terminating at its bottom end portion in a common plane with the bottom end of said cap for regulating the discharge flow from said longitudinal slot opening, when said cap is turned on said threaded nozzle, and a shoulder within said cap engageable with said flange to prevent the removal of said cap from said nozzle.

2,179,424
SLEEPING BAG
Norman E. Phillips and Peter K. Faerber, Washington, D. C.
Application February 9, 1938, Serial No. 189,680
1 Claim. (Cl. 5—343)



A sleeping bag comprising, oppositely arranged sides which are attached together at their longitudinal edges and at one end edge only for forming a bag which is closed at one end and open at the opposite end, one side extending longitudinally for a substantial distance beyond its edge attachments to afford a chest flap which extends beyond the open end of the bag, said chest flap being continuous throughout substantially its entire area and free from a central opening, the other side extending longitudinally for a substantial distance beyond its longitudinal edge attachments and beyond the free end of the chest flap for providing a hood flap, the chest flap and the hood flap when the bag is empty and the flaps are lying substantially flat, overlapping each other and providing arm receiving passages at the longitudinal edges of the bag, which passages are inwardly of the free end of the chest flap, fastening elements attached to the hood flap near its free end and near its longitudinal edges, the arrangement of the fastening elements being such that the hood may be folded about the head by passing the arms through the arm receiving passages and the fastening elements secured together, and fastening elements secured to the chest flap near its free end and near its longitudinal edges, the chest flap being foldable over itself in a direction inwardly from the arm receiving passages, the fastening elements of the chest flap being adapted to be secured together by the hand or hands of the user within the bag, the folding of the chest flap providing a double thickness for the chest flap throughout a considerable extent of its area.

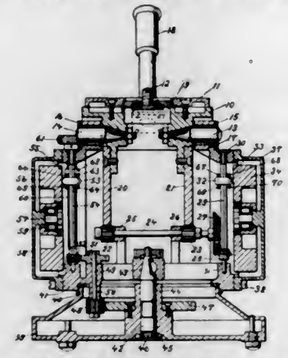
2,179,425
DRIVE FOR VEHICLE AXLES
Heinrich Ruegg, Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application October 13, 1937, Serial No. 168,840
In Germany October 17, 1936
11 Claims. (Cl. 105—131)



1. A drive for a vehicle comprising an axle shaft secured to a pair of driving wheels, a hollow Cardan shaft surrounding said axle shaft, a source of power, and means including radially rigid annular spring metal plates each disposed in a plane normal to the axis of said axle shaft and bolt members connecting said Cardan shaft

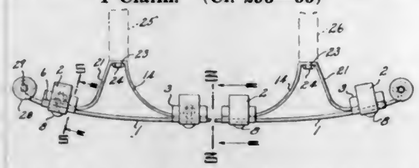
to both said power source and said axle shaft through said plates, said bolt members being spaced circumferentially around said annular spring metal plates and disposed substantially equidistantly from the axis of said axle shaft.

2,179,426
STAND HEAD
Karl Schencke, Berlin-Tempelhof, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application August 30, 1937, Serial No. 161,681
In Germany August 29, 1936
4 Claims. (Cl. 248—183)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



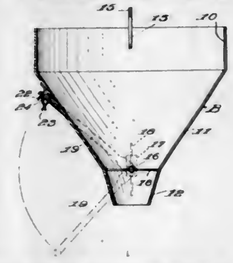
2. A stand head comprising, in combination, a stationary base; a table mounted thereon for movement about an axis; a flywheel having a friction face; and a change speed friction drive for the flywheel comprising a rotatable friction wheel gliding on said friction face and gearing connecting said friction wheel to be actuated by the movement of said table relative to said base, the speed of said flywheel being variable in accordance with the displacement of said friction wheel on said friction face, whereby the relative movement of the table and base may be steadied in a variable degree.

2,179,427
AUTOMOBILE BUMPER
Joseph A. Scheutz, Hazel Park, Mich., assignor, by direct and mesne assignments, to William A. Elgie, Chatham, Ontario, Canada, and Joseph H. Holbrook, Detroit, Mich.
Application November 17, 1936, Serial No. 111,327
1 Claim. (Cl. 293—55)



In an automobile bumper, a bumper bar, spaced pairs of arms for supporting said bumper bar from spaced points on an automobile, the arms of each of said pairs of supporting arms being formed of spring metal and diverging outwardly from their point of support on the automobile to spaced points on said bumper bar whereby such pairs of diverging spring metal arms are adapted to flex under impact against the bumper bar, brackets mounted at spaced points on said bumper bar for receiving divergent ends of each of said pairs of diverging supporting arms, each of said diverging ends of said divergent supporting arms being bent at a right angle to the adjacent portion thereof and extending into one of said brackets, a coiled compression spring mounted in one of said brackets and being in compression and having one end of said spring abutting said bent end of a supporting arm and having the opposite end of said spring abutting a wall of said bracket, a second coiled compression spring mounted in said same bracket with said first-named coiled compression spring, and being also in compression, and having one end of said second compression spring abutting said bent end of said supporting arm, and having the opposite end of said second compression spring abutting a second wall of said bracket, whereby each said bent end of a supporting arm, each in a separate bracket, is supported by two coiled compression springs, in compression on opposite sides of each said bent end, so that upon impact against the bumper bar, the bent end of each supporting arm may move to a limited extent relative to the bumper bar in either direction against one or the other of such two coiled compression springs.

2,179,428
CONCRETE BUCKET
Vincent Schiavi, Wilmington, Del.
Application January 24, 1939, Serial No. 252,658
1 Claim. (Cl. 294—69)

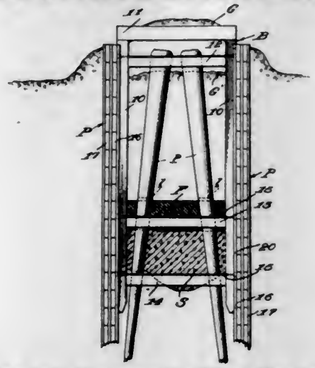


A concrete bucket comprising a unitary body including a relatively large upper portion defined by an annular vertical wall, an intermediate portion defined by a downwardly converging annular wall, and a lower discharge portion defined by a second downwardly converging annular wall; a pair of spaced bearings secured to the bucket at opposed positions, a rotatable shaft extending diametrically through the body at the junction of the intermediate and lower discharge portions and through said bearings, a butterfly valve centrally secured to said shaft within the bucket and normally closing the narrowest part of the intermediate portion, an operating lever including a pair of leg members respectively secured to opposite ends of the shaft outwardly of said bearing members and a hand grip portion between the leg members, a pin removably supported by the outer wall of the body for holding the lever in normal position with the valve closed.

2,179,429
COFFERDAM CONSTRUCTION
Vincent Schiavi, Wilmington, Del.
Application February 4, 1939, Serial No. 254,731
4 Claims. (Cl. 61—34)

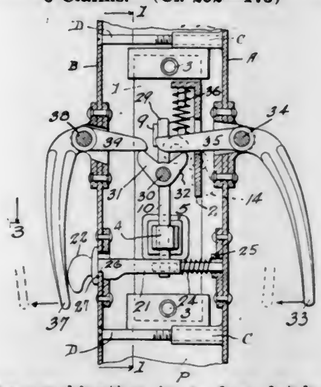
1. A method in sub-surface construction comprising the following steps: driving vertically disposed brace members into the ground in lon-

gitudinally spaced relation, inserting continuous linings at each side of the brace members, driv-



ing piles into the ground within the confines of the brace members, and providing a bottom seal adjacent the lower ends of the piles.

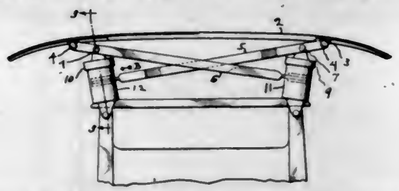
2,179,430
DOOR LATCH
Julius A. Schmitt, Hamilton, Ohio
Application September 29, 1938, Serial No. 232,418
6 Claims. (Cl. 292—173)



1. The combination in a door latch with a pivoted bolt-operating lever, and a pair of operating handles, of an oscillating connector pivotally mounted transversely of the operating lever, one of said handles having a shank bearing directly on the oscillating connector at one side of its pivot, the second handle having a shank bearing directly on the connector at the other side of its pivot and also having a bearing against the operating lever, and a spring for holding the second shank in contact with the connector.

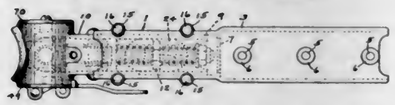
2,179,431
BUMPER FOR AUTOMOBILES AND THE LIKE VEHICLES
Oscar Randolph Schreiber, Los Angeles, Calif.
Application August 10, 1938, Serial No. 224,012
5 Claims. (Cl. 293—55)

1. A bumper of the class described having a front bumper beam, a set of cross levers hinged at regions at the opposite ends of the beam, hinge pin fulcrums for said levers fixed to caps of spring holding cylinders which cylinders are fixed to the frame of the machine and said levers mounted on said fulcrums, the said levers extending across between the said fulcrums and their inner ends engaged by springs contained within cylinders



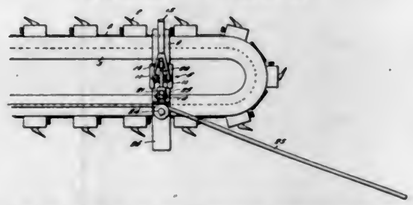
which springs control by elastic movements the actions of the levers about the fulcrums on which the levers are mounted.

2,179,432
UNIVERSAL COUPLER
John A. Schroeder, Dearborn, and Charles F. Glaser, Detroit, Mich.
Application December 14, 1936, Serial No. 115,684
7 Claims. (Cl. 280—33.15)



1. In a coupling device of ball and socket type, an elongate member terminating at one end in a cylindrical socket housing, the axis of said housing being transverse to the longitudinal axis of said member, said housing having a lateral opening forming a ball passage coaxial with said member, a cylindrical ball socket journalled for rotation in said housing, having a ball passage registrable with said opening in the housing, and actuating means for said socket.

2,179,433
SAFETY LOCK FOR CHAIN TYPE COAL CUTTING MACHINES
Otey K. Sifers and Jacob G. Starr, Beckley, W. Va.
Application April 16, 1938, Serial No. 202,517
Renewed July 5, 1939
4 Claims. (Cl. 262—33)

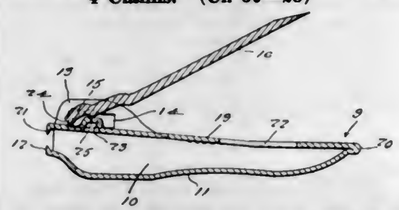


1. A safety lock for mining machines of the character embodying a track member having an endless chain movable thereon and equipped with kerf forming bits, said lock member comprising a pair of bars connected together for longitudinal sliding movement relative to one another in opposite directions, said bars being provided with hooks for engaging opposed links on the endless chain when said bars are removed longitudinally inwardly relative to one another, a handle pivotally connected with one of said bars, and link means pivotally connecting the handle to the other of said bars for transmitting movement of the handle to the bars for sliding the same relative to one another in the desired direction.

2,179,434
EXPLOSIVE
Joseph Simon, Chicago, Ill., assignor of one-half to Daniel Hewitt, Chicago, Ill.
No Drawing. Application February 23, 1938, Serial No. 192,069
5 Claims. (Cl. 52—5)

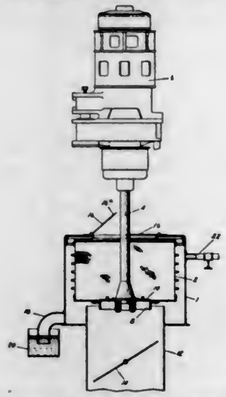
2. An ingredient for explosives consisting of incompletely charred cotton treated with nitric acid.

2,179,435
NAIL CLIPPER
Paul H. Smith, Brockton, Mass.
Application March 21, 1938, Serial No. 197,315
4 Claims. (Cl. 30—28)



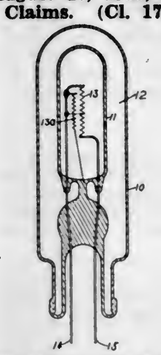
1. In a nail clipper of the class described, a stationary jaw provided with a nipper, a relatively movable resiliently operable companion jaw having a nipper opposed to said first named nipper, the stationary jaw being provided with spaced parallel flanges having elongated slots, said slots having selectively usable keeper seats formed therein, a lever having lugs slidable in said slots and selectively disposable in said seats, said lever having a cam member for coacation with the adjacent jaw as well as a detent, said detent constituting means for maintaining the lever in compact folded relation.

2,179,436
METHOD OF OPERATING A CENTRIFUGAL SEPARATOR
Walter E. Smith, Honolulu, Territory of Hawaii
Application December 8, 1936, Serial No. 114,815
3 Claims. (Cl. 127—56)



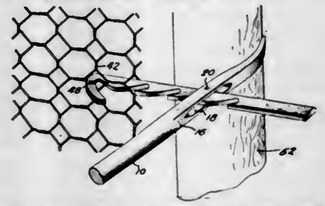
2. In a method of separating sugar from the mother liquor the step of centrifuging the mother liquor from the sugar is a separator sealed against the passage of air currents therethrough while raising the temperature of the sugar mass by the operation of the separator at a speed necessary to cause a rise in the temperature of the sugar mass sufficient to increase the fluidity of the molasses during said separation and maintaining the air in the separator in a saturated condition by the addition of moisture.

2,179,437
INCANDESCENT LAMP
Arthur R. Socolofsky, Chicago, Ill.
Application August 10, 1938, Serial No. 224,011
3 Claims. (Cl. 176—16)



1. An electric lamp containing a lighting filament of tungsten operable at incandescence, and also containing an inert gas and active gases, the active gases operating to set free the tungsten atoms, the tungsten atoms thus set free operating to compensate evaporation of the filament.

2,179,438
WIRE STRETCHER
Burry Willard Stewart, Tampa, Fla.
Application June 2, 1939, Serial No. 277,079
2 Claims. (Cl. 254—77)

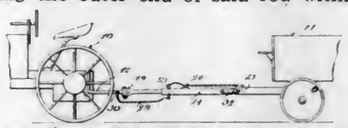


2. A wire stretcher comprising a lever having a passage therethrough, a bearing rod extending through said passage, and a reversible hook arranged to adjustably extend through said passage and engage either side of said rod, said hook having a bifurcated end for gripping a fence wire and an aperture extending transversely through said bifurcated hook portion.

2,179,439
HITCH
Thomas Fredrick Trow, Minneapolis, Kans.
Application December 9, 1938, Serial No. 244,835
3 Claims. (Cl. 280—33.14)

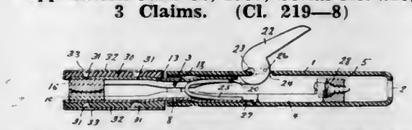
1. A hitch comprising an inner and an outer tubular member slidable one relative to the other and the inner member having longitudinally spaced apart holes diametrically therethrough, said outer member having a pair of diametrically opposed holes adjacent an end thereof, a pin engageable with said outer member and through selected holes in said inner member to hold said members against movement relative to each oth-

er, a clevis carried by the outer end of each member, a plug carried by the inner end of said inner member provided with an axial opening, a rod slidable through said plug opening, means securing the outer end of said rod within said



outer member adjacent the outer end thereof, and a plate carried by the inner end of said rod slidable in said inner member and engageable with said plug to hold said members against separation.

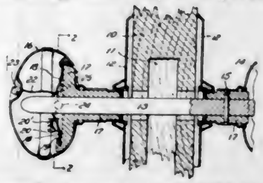
2,179,440
ELECTRODE HOLDER
Henry J. Wagner, Jackson, Mo.
Application June 30, 1938, Serial No. 216,802
3 Claims. (Cl. 219—8)



1. An electrode holder of the class described comprising an elongated case of insulating material having an opening in its rear end and its other end being open, a ring fitting in said other end, a stationary bar of substantially channel-shape in cross section having a part fitting in the case and attached thereto and another part projecting from the open end of the case, said projecting part forming a dovetail-shaped groove, a jaw having a dovetail rib fitting in the groove, a second bar pivoted to the ring and having a part projecting from the case, said part being formed with a dovetail-shaped groove, a second jaw having a dovetail rib fitting in the last-mentioned groove, a substantially V-shaped spring in the case engaging the two bars and tending to hold the jaws in closed position, a lever having a part passing through an opening in the case and connected to the inner end of the pivoted bar, a sleeve at the inner end of the stationary bar having a socket therein the forward portion of which is threaded and the other portion is tapered and corrugated, a screw having a threaded head portion fitting in the threaded part of the socket and a tapered shank having corrugations for holding the end of the cable between itself and the corrugated part of the socket, members of non-conducting material covering the projecting ends of the bars and metal shields covering the members of non-conducting material.

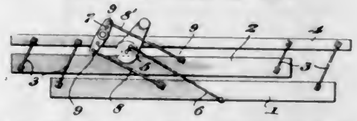
2,179,441
DOOR LATCH AND CATCH
Purcell Thomas Webb and Cyril Purcell Webb, Ashburton, Australia
Application February 17, 1937, Serial No. 126,263
In Australia February 18, 1936
18 Claims. (Cl. 292—353)

1. In a device of the class described, a spindle of non-circular shape in cross section, an operating member such as a knob or handle having a hole to slidably but non-rotatively receive said spindle and also having a circumferentially extending slot at the inner end thereof, a rose plate having the inner end of said operating member extending oscillatively therethrough, a gripping member arranged substantially transversely of the spindle adjacent the inner face of the rose plate, said gripping member comprising a strip of resilient material which is doubled to form an approximate V-shape, means frictionally engaging the slot for connecting the portion of the gripping member adjacent the rose plate to the operating member, the portion of said



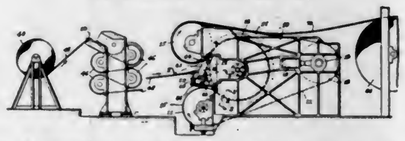
gripping member remote from said rose plate being disposed at an angle to the plane of rotation, said last mentioned portion of the gripping member having an aperture through which the spindle passes, whereby a portion of the edge defining said aperture bears resiliently against the surface of the spindle.

2,179,442
SIFTER OR CONVEYER DEVICE
Josef Wölz, Bochum, Germany, assignor to the firm Westfalia - Dinnendahl - Gröppel A.-G., Bochum, Germany
Application March 22, 1938, Serial No. 197,522
In Germany June 2, 1937
5 Claims. (Cl. 74—26)



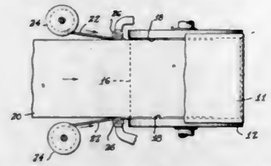
1. An oscillatory device comprising in combination, two contrarily movable masses, a carrier frame therefor, parallel connecting means between said masses and said carrier frame, a crankshaft mounted on one of said masses, a connection between said crank shaft and the other of said masses, a two armed lever fulcrumed on the carrier frame in parallelism with the connecting means of said masses to said frame, and members substantially perpendicular to said connecting means, said members connecting the arms of the two armed levers with the masses respectively.

2,179,443
METHOD AND APPARATUS FOR VULCANIZING STRIP MATERIAL
John M. Bierer, Waban, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application May 22, 1937, Serial No. 144,184
12 Claims. (Cl. 18—6)



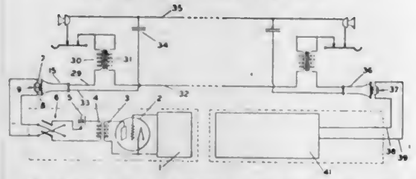
1. A method of shaping and vulcanizing belting under pressure, which consists in feeding into a trough-like channel having a bottom wall and side walls the two edge portions of belting of such width that its intermediate portion is bowed transversely outwardly where the belting thus enters the channel, progressively crowding said bowed portion of the belting during feeding movement thereof into the channel by engaging a top wall therewith, and vulcanizing the belting while holding it confined within said walls.

2,179,444
SHAPING AND VULCANIZING BELTING AND THE LIKE
John M. Bierer, Waban, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application June 2, 1937, Serial No. 146,015
6 Claims. (Cl. 18—53)



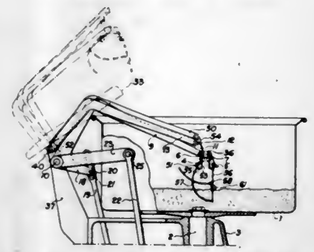
1. A method of shaping and vulcanizing belting under pressure to predetermined width and thickness, which consists in continuously feeding into a trough-like channel having a bottom wall and side walls uncured belting of a width not greater than the width of the channel and along therewith into the channel and adjacent to said side walls a continuous supply of rubber thicker than the intermediate portion of the belting or the depth of the channel, crowding said belting and said rubber into intimate molding contact with said walls during feeding movement thereof by engaging a top wall therewith and moving the top wall along in cooperation with the bottom and side walls, and continuously vulcanizing the unit at said walls while passing it through a predetermined vulcanizing path and holding it confined under said pressure and to said predetermined width and thickness, whereby producing a vulcanized belting having full and complete edge portions shaped to correspond to said side walls.

2,179,445
SIGNAL TRANSMISSION METHOD AND APPARATUS
Austin G. Cooley, Rutherford, N. J., assignor to Wide World Photos, Inc., New York, N. Y., a corporation of New York
Application October 1, 1936, Serial No. 103,506
21 Claims. (Cl. 179—2)



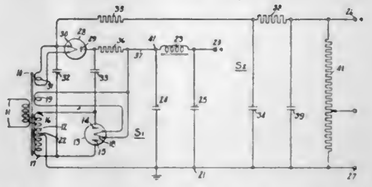
1. In a signaling system, the combination of a line, a device at one end of said line normally designed only to transmit signals to the line and another device at said end of the line normally designed only to receive signals from the line, said other device including an electromagnet, and electromagnet induction means positioned adjacent said electromagnet and energized by signal currents in the form of an audio frequency modulated carrier to be transmitted to the line for applying said signals to the line through said electromagnetic means.

2,179,446
GRIPPING DEVICE IN MACHINES FOR HANDLING TOBACCO
Ernst Ruben Dahlström, Alsten, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a joint-stock company of Sweden
Application May 3, 1938, Serial No. 205,853
In Sweden May 7, 1937
11 Claims. (Cl. 214—147)



1. In a tobacco portioning machine, the combination with a reservoir for tobacco, of a device for removing portions of the tobacco from said reservoir, said device comprising a pincher, mechanism for moving said pincher into the tobacco mass in said reservoir and for lifting said pincher from said reservoir, mechanism for opening said pincher and for closing said pincher to grasp a tobacco portion in said reservoir, and means for limiting the sinking of said pincher into the tobacco mass, said means comprising a supporting member connected to said pincher device and having a bottom side extending substantially transversely to said pincher at a fixed distance from its bottom edge so as to rest upon the tobacco mass in said reservoir and prevent said pincher from penetrating completely into the tobacco mass.

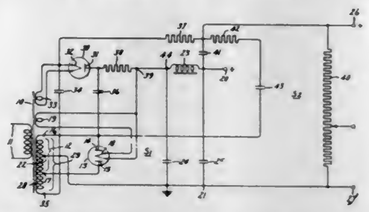
2,179,447
HIGH VOLTAGE SUPPLY CIRCUIT FOR TELEVISION SYSTEMS
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 29, 1938, Serial No. 237,785
5 Claims. (Cl. 171—97)



5. In combination, a current source, a load circuit, a rectifier, a transformer winding, means to supply a voltage to said circuit from said winding through said rectifier, a second load circuit, a second rectifier connected across said winding and in series in said second circuit to supply rectifier voltage from said winding to said second circuit, a filter capacitor, means to connect said filter capacitor across said second circuit, and means to impress substantially equal voltages in opposite phase across said filter capacitor from said winding, said last named means including a capacitor and a resistor in series connected between the high tension side of said filter capacitor and one extremity of said winding and a capacitor and a resistor in series connected be-

tween said high tension side of said filter capacitor and the other extremity of said winding and having respectively equal capacitance and resistance values with said first named capacitor and resistor in series.

2,179,448
HIGH VOLTAGE SUPPLY CIRCUIT FOR TELEVISION SYSTEMS
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 14, 1938, Serial No. 245,690
5 Claims. (Cl. 171—97)



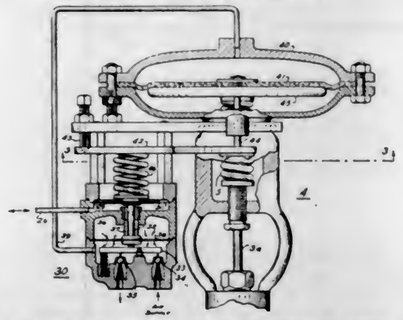
5. In combination, two load circuits, a transformer winding having a center tap, means to impress a rectified voltage from said winding on one of said circuits, a winding connected to said transformer winding to form a second transformer winding having a larger number of turns than said first transformer winding, means to impress a rectified voltage from said second transformer winding on the other of said circuits, a filter capacitor connected across said other circuit, and means to connect the opposite terminals of said second transformer winding each through a capacitor and a resistor to the high tension side of said filter capacitor, the ratio of the voltages in said second transformer winding between one of said terminals and said center tap and between the other of said terminals and said center being equal to the ratio of the resistance of the resistor corresponding to said one of said terminals and the resistance of the other resistor and also equal to the ratio of the reactance of the capacitor corresponding to said one of said terminals to the reactance of the capacitor corresponding to the other of said terminals.

2,179,449
METHOD FOR THE MANUFACTURE OF CELLULOSE PRODUCTS
Johann Eggert, Berlin, and Walter Gellendien, Berlin-Charlottenburg, Germany, assignors to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany
No Drawing. Application February 10, 1937, Serial No. 125,072. In Germany January 21, 1936
8 Claims. (Cl. 106—40)

3. Cellulose article consisting of regenerated cellulose containing a compound of the group consisting of furfurol, methyl furfurol, furfuryl alcohol, methyl furfuryl alcohol, furfuryl acetate, methyl furfuryl adipic acid ester, furfuryl butyl ether, methyl furfuryl oleyl ether, methyl furfuryl monoglycerol ether.

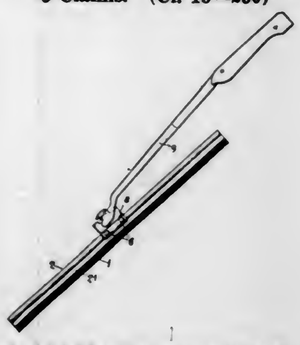
4. Cellulose article consisting of regenerated cellulose containing a compound of the group consisting of furfurol, methyl furfurol, furfuryl alcohol, methyl furfuryl alcohol, furfuryl acetate, methyl furfuryl adipic acid ester, furfuryl butyl ether, methyl furfuryl oleyl ether, methyl furfuryl monoglycerol ether together with a compound of the group consisting of naphthol, naphthol sulfonic acid salts, and cresol.

2,179,450
CONTROL SYSTEM
Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application February 25, 1936, Serial No. 65,675
1 Claim. (Cl. 137—153)



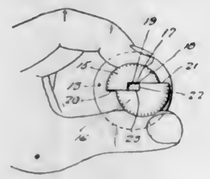
In combination, a valve having a body and a movable valve member, a housing supported by said body, a pressure sensitive diaphragm positioned in said housing, a valve stem for transmitting movements of said diaphragm to said valve member, a spring for opposing movements of said diaphragm, a casing supported by said housing and having a pressure sensitive movable wall, a lever having one end positioned by said diaphragm and the other adapted to pivot about a support on said casing, a spring for supporting said lever located intermediate the ends of said lever and resting on said movable wall, a source of pressure fluid, a chamber in said casing connected to transmit pressure fluid to said diaphragm housing, and valve means in said chamber actuated by said movable wall for admitting pressure fluid from said source to said housing, or exhausting pressure fluid therefrom.

2,179,451
WINDSHIELD WIPER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application December 24, 1934, Serial No. 759,074
5 Claims. (Cl. 15—250)



1. A windshield wiper comprising a channeled holder provided adjacent to the bottom of the channel with inwardly extending and opposed shoulders, said shoulders defining with the bottom of the channel a confining bearing extending substantially throughout the length of the holder, and a formed rubber strip provided with a marginal enlargement along one edge loosely received within the bearing for journal support therein, said marginal enlargement being smaller in cross section than such bearing for free bodily movement therein, the opposite longitudinal edge of the strip being formed for wiping contact with the windshield glass, the sides of the channeled holder extending outwardly beyond said shoulders and in spaced relation to the interposed wiper strip to permit movement of the latter about the longitudinal axis of said marginal enlargement.

2,179,452
CLOSING CAP FOR COLLAPSIBLE TUBES
Frederick F. Marschalk, Augusta, Ga., assignor of one-half to Colden R. Battey, Augusta, Ga.
Application January 25, 1937, Serial No. 122,244
7 Claims. (Cl. 221—60)



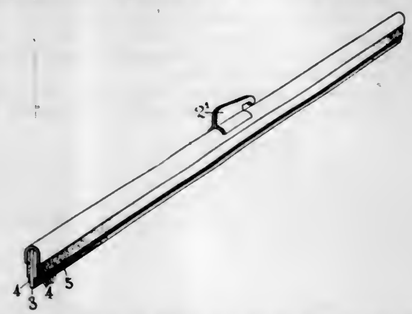
1. A closing cap for collapsible tubes comprising a unitary structure including an attaching member and a disk-like closing head member, said head member being centrally divided into complemental half-sections, one half-section being fixed and the other one slidable in relation thereto, the adjacent contacting surfaces of said sections being shaped to define a centrally disposed variable discharge opening.

2,179,453
BINDER AND COATING MATERIALS AND METHOD OF PRODUCING THE SAME
Russell E. Palmateer, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
No Drawing. Application March 18, 1935, Serial No. 11,696
17 Claims. (Cl. 134—23.1)

7. An insulating material for use in the manufacture of parts for electron-discharge tubes and containing a metal of the group consisting of aluminum, beryllium, titanium and zirconium, together with nitrogen in the form of an oxyacid, the metal and nitrogen being present in substantially equivalent atomic proportions to impart a tackiness to the material, and a quantity of a comminuted oxide of a metal of said group in uncombined form.

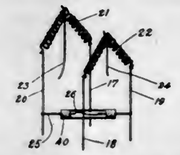
2,179,454
WINDSHIELD WIPER
William Paulus, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 17, 1937, Serial No. 148,699
6 Claims. (Cl. 15—250)

1. A windshield wiper comprising a flexible wiping member and a flexible bristle carrying body secured together in a channeled holder, the



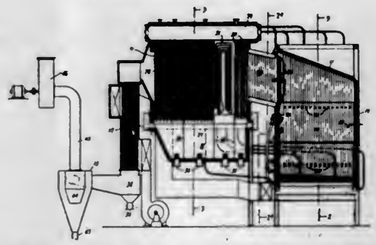
bristles extending from the body along the side of the wiping member.

2,179,455
ELECTRIC LAMP
Charles Spaeth, Flushing, N. Y.
Application October 7, 1937, Serial No. 167,751
7 Claims. (Cl. 176—38)



1. An electric lamp comprising a bulb, a filament having a plurality of parts spaced laterally from each other, arranged electrically in series and having a diagonal cross connection which includes a fuse.

2,179,456
METHOD OF AND APPARATUS FOR TREATING PULP RESIDUAL LIQUOR
George H. Tomlinson, Westmount, Quebec, Canada, and Leslie S. Wilcoxson, Ridgewood, N. J., said Wilcoxson assignor of his right to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application October 27, 1936, Serial No. 107,784
15 Claims. (Cl. 23—48)



1. The process of treating sulphite pulp residual liquor which comprises burning the liquor in a furnace chamber under furnace conditions yielding a dry non-combustible ash residue, removing substantially all of the ash produced from the furnace by flotation in the heating gases, and separating ash from the heating gases after leaving the furnace.

2,179,457
MANUFACTURE OF SALTS OF CELLULOSE ETHER CARBOXYLIC ACIDS

Julius Voss, Wiesbaden-Biebrich, Germany, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany

No Drawing. Application November 16, 1937, Serial No. 174,826. In Germany November 21, 1936

1 Claim. (Cl. 260—231)

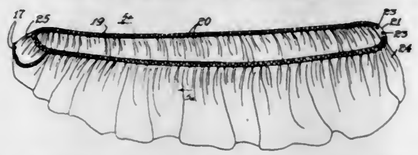
The process which comprises causing to react 1 mol of cellulose with about 1–1.5 mols of a halogen fatty acid in the presence of about 3–4 mols of sodium hydroxide with addition of a chemically indifferent sodium salt.

2,179,458
IRONING BOARD COVER

Charles Ruttenberg, Pittsburgh, Pa., assignor to American Textile Company, a partnership composed of Max Ruttenberg, Meyer Ruttenberg, Joseph Ruttenberg, Harry Ruttenberg, and Charles Ruttenberg, registered under the laws of Pennsylvania

Application February 21, 1938, Serial No. 191,679

4 Claims. (Cl. 38—140)



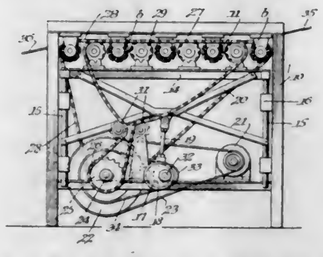
1. An ironing board cover comprising a trough-shaped textile body portion, a substantially circular stretchable member positioned under partial tension in contact with the peripheral edge of said textile body portion but unattached thereto, and spaced gathering overstitching passing through the said body portion adjacent the peripheral edge thereof and around said stretchable member to confine the latter within the said stitching without interfering with the capacity of said stretchable member to move slightly relatively to the body portion, the material of the body portion adjacent the stretchable member being in alignment with and disposed as an extension of a radius of the stretchable member.

2,179,459
APPARATUS FOR TREATING FRUIT AND THE LIKE

Charles H. Vreeland, Orlando, Fla., assignor, by mesne assignments, to Ken-Jon Inc., Orlando, Fla., a corporation of Florida

Application July 17, 1937, Serial No. 154,301

7 Claims. (Cl. 146—202)



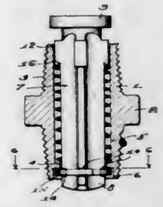
1. In a brushing machine, a plurality of substantially cylindrical rotatable brushes arranged in close parallel relation to form a bed extending in a general horizontal direction over which articles to be treated may pass through the machine transversely of the brushes, means for rotating the brushes in the same direction for moving the fruit passing over the brushes through the machine, alternate of said brushes being on stationary axes, a vertically reciprocable means supporting the other of the brushes, means for reciprocating said supporting means to move the brushes thereon in unison and alternately above or below the plane of the stationary brushes at different times, during the treatment of said articles, and to an extent to bring the upper surfaces of the movable brushes out of alignment with the upper surfaces of the stationary brushes but to an insufficient extent to break the continuity of the supporting surface of the bed for the articles being treated.

2,179,460
VALVE

Fitzhugh L. White, South Norfolk, Va.

Application June 3, 1939, Serial No. 277,317

2 Claims. (Cl. 137—34)



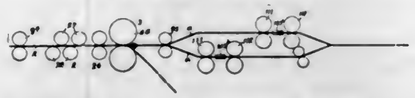
2. A valve of the class described comprising a tubular casing externally threaded upon opposite sides of its transverse center for turning into a pipeline and having an internal radial flange therein adjacent one end thereof, a longitudinally fluted elongated valve stem movable in said casing endwise and having a tail end slidable in said flange, and an enlarged disc-like head end adapted under movement of said stem in one direction to seat against the opposite end of said casing and close the same, said stem being radially enlarged adjacent said head end thereof for bearing against the inner wall of the casing, a helical spring sleeved onto said stem between said flange and enlarged end of the stem and urging the latter in the opposite direction, and a member detachably mounted on the tail end of the stem and coacting with said flange to limit movement of the stem in said opposite direction, said member comprising a split resilient ring having interlocking engagement with said stem.

2,179,461
METHOD OF OPERATING ON SHEET MATERIAL

Carl M. Yoder, Lakewood, Ohio

Application April 15, 1935, Serial No. 16,373

9 Claims. (Cl. 29—18)



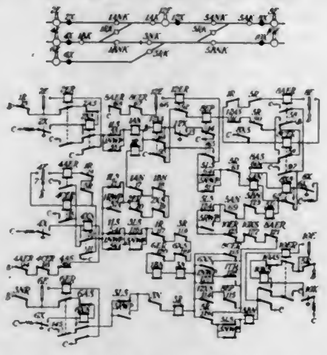
1. The herein disclosed continuous process which consists in feeding a strip of sheet material of finished thickness and during the feeding thereof processing the material to straighten the strip into a plane, then slitting the material into longitudinal sections of the desired width, then finishing the opposite side edges of each section while advancing the sections in spaced parallel planes, one parallel to the unsevered strip, and finally simultaneously cutting the sections into lengths suitable for subsequent handling.

2,179,462
RAILWAY TRAFFIC CONTROLLING APPARATUS

Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 10, 1938, Serial No. 224,165

26 Claims. (Cl. 246—134)



1. In an interlocking control system, a track layout including a plurality of track switches which may be arranged to form different traffic routes, a normal and a reverse control relay and a locking relay for each switch, manually operable contact means for the ends of said routes, a route network including a route circuit for each route, each such circuit including the normal or reverse control relay and a front contact of the locking relay for each switch of such route, means for energizing each route circuit to pick up the normal or reverse control relays as required to establish such route when the contact means for its two ends are operated, switch indication relays indicating the positions of the track switches, means comprising contacts of said indication relays for bridging the locking relay front contacts in the route circuit for each route only when the corresponding switches occupy the positions required for such route, and means deenergizing the locking relay for each switch of a route when such route is fully established to isolate the energized route circuit from all conflicting route circuits.

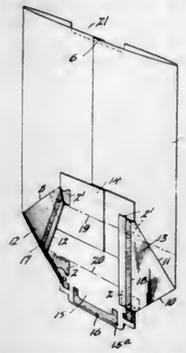
2,179,463
METHOD OF MAKING BAGS

True M. Avery, Glens Falls, N. Y., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y., a corporation of New Jersey

Application July 17, 1937, Serial No. 154,295

3 Claims. (Cl. 93—35)

1. The method of making bags which comprises forming a web into a tube, applying spots of paste to the web before the tube is completely formed, transferring paste from said paste spots applied to one portion of the web to unpasted areas on another portion thereof, separating the portion of the web to which the paste spots have been applied relatively to the portion thereof to which the paste was transferred, and folding an end



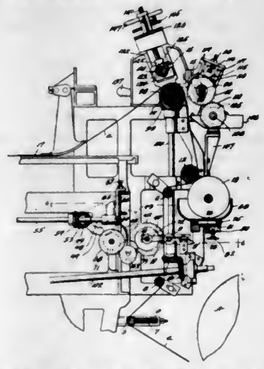
of the tube and overlapping and securing together portions thereof by said paste spots.

2,179,464
BAG MANUFACTURE

True M. Avery, Glens Falls, N. Y., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y., a corporation of New Jersey

Application July 17, 1937, Serial No. 154,296

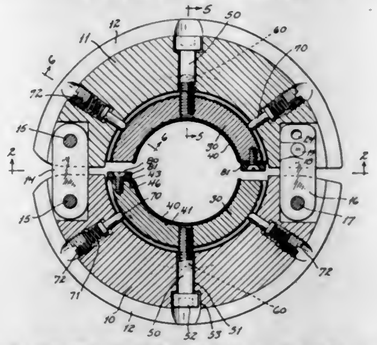
20 Claims. (Cl. 93—14)



1. The method of making bags which comprises applying spots of adhesive to adjacent areas of a sheet, folding the opposite margins of the sheet onto the portion thereof bearing the adhesive spots and thereby transferring adhesive from said spots to the folded portions of the sheet, separating the portions of the sheet to which the adhesive is thus transferred from the portions of the sheet to which the spots of adhesive were applied, and folding end portions of the sheet onto the adhesive spots thus applied and transferred.

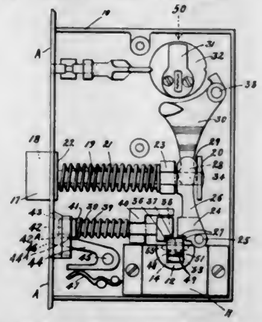
14. In a bag machine, the combination of a roller over which a web is arranged to travel, means cooperative with the web as it travels over said roller to cut a tab therefrom, means cooperative with the web as it travels over said roller to apply spots of paste thereto at points adjacent to the tab, means for forming the web into a bag tube, cooperative cutter members between which the tube passes, said members being operative to sever the tube on a line which joins the ends of the tab, and means for cutting in an end of the tube slits which extend to points adjacent to the paste spots.

2,179,465
GRINDING TOOL
John Y. Blazek, Maple Heights, Ohio, assignor to Lempco Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 9, 1938, Serial No. 244,791
8 Claims. (Cl. 51—73)



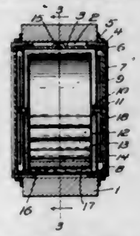
1. A grinding tool for shafts and similar members comprising a ring-like frame, arcuate shoes within the frame adapted to support abrasive material and engage the shaft to be ground, radial extending pins centrally connected to said shoes and loosely mounted in said frame for supporting said shoes so that they may have only a limited movement with reference to said frame, and springs independent of said pins for pressing said shoes inwardly.

2,179,466
DOOR LOCK
Floyd A. Browne, Cleveland, Ohio, assignor of one-half to J. D. Overholt, Wooster, Ohio
Application April 14, 1938, Serial No. 202,004
2 Claims. (Cl. 70—153)



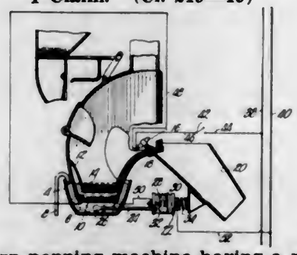
1. A lock of the class described comprising a normally projecting latch bolt member, a main bearing having plural bearings therein, a plate fast on an end of the projecting latch bolt member, means for retracting the latch bolt member comprising a pivotally mounted plate-engaging lever, an articulated lever having means for actuating said plate-engaging lever, said articulated lever comprising an exterior lever portion and an interior lever portion, one end of each of the aforesaid lever portions having an integrally formed end portion overlapping an integrally formed end portion on the other lever portion, a common fulcrum, the said common fulcrum being positioned centrally of and intermediate the length of the overlapping portions, the common fulcrum being mounted in one of the plural bearings in the main bearing, the other of the said plural bearings being free, the free bearing of the plural bearings being adapted to receive the common fulcrum when the lever portions are reversed, a removable threaded abutment pin, the aforesaid pin being positioned in the overlapping portion of the exterior lever portion and inwardly of the common fulcrum, the aforesaid overlapping portion also having a threaded bore positioned above the removable pin, the overlapping portion of the interior lever portion being provided with a notch, adapted to receive the pin in the exterior overlapping portion as mounted, and further having a notch positioned above the aforementioned notch adapted to receive the removably mounted abutment pin when the lever portions as a whole are reversed, the common fulcrum being mounted in the free bearing in the plural bearings in the main bearing when thus reversed, the said removably mounted abutment pin as mounted in the exterior overlapping lever portion acting in conjunction with the exterior lever portion and the interior lever portion so that on movement in one direction a solid lever is produced so that when the exterior lever portion is forced down the pivotally mounted plate-engaging lever is actuated, thereby releasing the latch bolt, and when the interior portion of the lever portions is lifted up the pivotally mounted plate-engaging lever may be actuated independently of the exterior lever portion, a night latch push button, said night latch push button having a backward travel limiting face and a dogging face adapted to position said dogging face into the path of the overlapping portion of the exterior lever portion so that it will not interfere with the actuation of the undogged interior lever portion, means to hold the night latch push button in dogged position, and a pivotally mounted key actuated auxiliary lever having means to retract the projecting latch bolt from the exterior when the exterior portion of the lever portions is dogged.

2,179,467
COMBINATION LEVEL AND INCLINOMETER
Charles C. Cox, Pulaski, Va.
Application August 10, 1938, Serial No. 224,207
1 Claim. (Cl. 33—215)



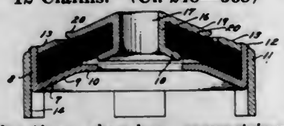
A combined level and inclinometer comprising a stock having an opening therein, a cylindrical casing mounted in the stock and having graduated side walls providing dials, liquid within the casing, a hollow cylindrical float partially immersed within the liquid, stub shafts fixed to the float and journaled in and extending through the side walls, pointers fixed to the extending ends of the stub shafts to be carried by the float and movable with respect to the dials for cooperation with the graduations thereof, a weight fixed in the lower portion of the float and extending transversely throughout the width thereof, the cylindrical wall of the float being corrugated for a portion of its circumference to provide damping means to eliminate undue oscillation of said float, transparent cover disks for the dials and means for securing the casing within the opening and the cover disks with respect to the dials.

2,179,468
HEATING SYSTEM FOR CORN POPPING MACHINES
George A. Delf, St. Louis, Mo., assignor, by mesne assignments, to Atlas Tool & Manufacturing Company, St. Louis, Mo., a corporation
Application January 21, 1938, Serial No. 186,172
1 Claim. (Cl. 219—19)



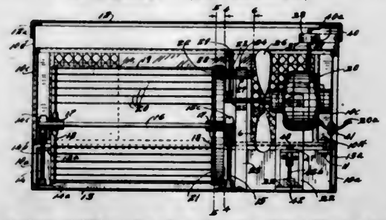
In a corn popping machine having a reservoir provided with a filling of popping oil, a container for the corn to be popped pivotally mounted for movement to and from a position where a portion thereof is below the level of said oil, and an electrical heating element submerged within the oil below said container, the combination of a heating element circuit; a mercury switch mounted for bodily oscillating movement with said container, said switch having contact points adapted to be closed when the mercury switch is at one end of its path of travel and to be opened when at the other end of its path of travel; a thermostat having a portion thereof within the said oil; and a second switch operable by the thermostat when the portion of the thermostat within the oil responds to a change of temperature of the oil, said first mentioned switch being effective to open and close the said circuit only when the second switch is closed, said second switch being effective to open and close the said heating element circuit only when the first mentioned switch is closed.

2,179,469
VIBRATION ABSORPTION DEVICE
John A. Germonprez, Grosse Pointe Park, Mich., assignor to Fabreeka Products Company, Inc., Boston, Mass.
Application October 23, 1937, Serial No. 170,619
12 Claims. (Cl. 248—358)



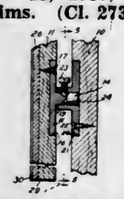
1. A vibration absorber comprising a disk formed of a sheet of compressible and resilient material in flat form having a central aperture, a casing means comprising a part enclosing the edge of the disk about the central aperture and contiguous opposite faces of the disk, a portion engaging the periphery of the disk, the two said casing parts holding the disk in the form of a cone under stresses substantially parallel with its surface and tending to flex the disk in the portion thereof intermediate the casing parts, the said central casing part having a portion with a substantially flat face contiguous and extending over the outer surface of the disk to overlie the portion of the peripheral casing part on the under surface of the disk, and means for attaching the respective casing parts to a load and to a support, the two said overlying casing parts, when under load, submitting the disk therebetween to compression on lines extending transversely of the disk.

2,179,470
HUMIDIFIER
Soren K. B. Larsen, Minneapolis, Minn.
Application September 16, 1937, Serial No. 164,185
8 Claims. (Cl. 261—92)



1. A humidifier having in combination, a casing, a pan in said casing adapted to contain water, a bearing upstanding from one end of said pan, a screen member of general cylindrical form having a central shaft supported in said bearing, said member extending into said pan, a second bearing having a vertically extending slot therein for receiving the other end of said shaft, said screen having a cylindrical rim at the end adjacent said second bearing, a friction roller on which said rim rests on its upper concave side, means for rotating said roller to rotate said screen and means for directing a current of air through said screen.

2,179,471
GAME
Martin L. Lee, Brooklyn, N. Y.
Application April 15, 1939, Serial No. 268,038
3 Claims. (Cl. 273—105.2)



1. A dart game comprising a circular rotatable target member, a supporting member for the target member, pivotal means between the supporting member and the target member to permit the latter to rotate while pivotally supported by the former, a removable target face covering the entire front surface of the target member, such target face being provided with playing card indicia thereon, and means for supporting the former on the latter, such means comprising an annular ring carried on the periphery of the target member, a portion of such ring engaging the edges of the target face.

2,179,472
ANTIRATTLING MEANS FOR TELESCOPICALLY EXTENSIBLE MEMBERS
Arthur T. Mace, East Cleveland, Ohio, assignor to The Radiart Corporation, Cleveland, Ohio, a corporation of Ohio
Application March 1, 1938, Serial No. 193,270
9 Claims. (Cl. 287—58)

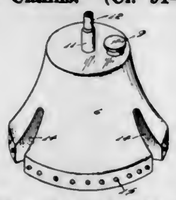
4. In combination, telescoping members, one of

said members being of such transverse dimensions as to provide substantial clearance between it



and the other member, and means movable longitudinally relatively to both of said members and adapted to prevent rattling therebetween.

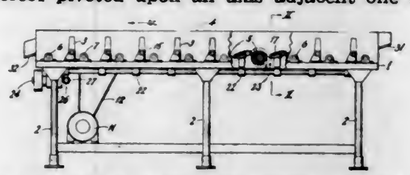
2,179,473
OILING DEVICE FOR FILTER UNITS
Harry James McDevitt, Media, Pa., assignor to Gordon F. Milne, Rosemont, Pa.
Application May 5, 1938, Serial No. 206,310
3 Claims. (Cl. 91—44)



1. In an oiling device for filter units, a manually portable casing having an oil receiving chamber, having its bottom closed and deflected upwardly, and having a plurality of circumferentially spaced sets of circumferentially spaced ports at its lower end, and a conduit connectible with a source of fluid supply and discharging into said casing.

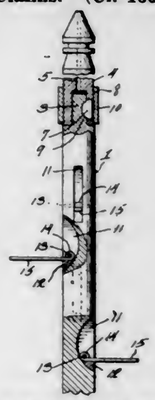
2,179,474
FRUIT TREATING MACHINE
Fred Stebler, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 1, 1936, Serial No. 82,679
2 Claims. (Cl. 146—202)

1. In a fruit treating machine, a frame, a plurality of cylindrical treating rolls journalled for rotation on fixed axes disposed transversely of said frame, drive means for said rolls, and a progressor element reciprocatably and pivotally mounted between said rolls and having one edge thereof pivoted upon an axis adjacent one roll



and having the other edge thereof disposed for substantially vertical movement with respect to the succeeding roll, and means for moving said element axially of said latter roll and for effecting vertical movement of the said other edge of the progressor element.

2,179,475
PARAFFIN CLEANER FOR OIL WELLS
Cuthbert A. Still and Lawrence M. Still, Alta Loma, Tex.; Lawrence M. Still assignor to Aldrich C. Still, Alta Loma, Tex.
Application July 8, 1939, Serial No. 283,505
10 Claims. (Cl. 166—18)



1. A paraffin cleaner for oil wells, comprising a rod body, means for attaching a cable to one end of said body, a plurality of fingers pivotally attached to the body in a spiral order thereabout to oscillate longitudinally of the body from positions where they extend toward the said end to normal working positions in which they are perpendicular to the body, means for supporting the fingers in perpendicular relation to the body, said fingers having an inherent resiliency whereby they may flex downwardly from said normal perpendicular position upon the application of a pressure of predetermined force thereto.

DESIGNS

NOVEMBER 7, 1939

117,440
DESIGN FOR A GLIDER
Beverly Johnson, Dallas, Tex.
Application August 7, 1939, Serial No. 86,528
Term of patent 14 years



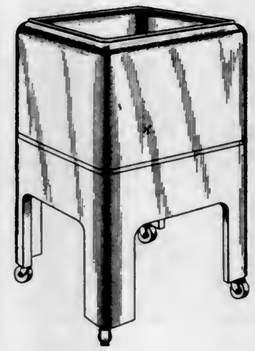
The ornamental design for a glider, substantially as shown.

117,441
DESIGN FOR A FLOOR COVERING OR THE LIKE
Walter Allen, Thompsonville, Conn., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application August 9, 1939, Serial No. 86,571
Term of patent 7 years



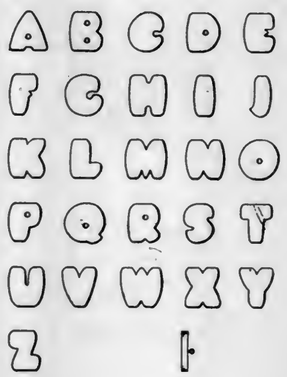
The ornamental design for a floor covering or the like, substantially as shown and described.

117,442
DESIGN FOR A WASHING MACHINE
Henry W. Altorfer, Peoria, Ill.
Application November 17, 1938, Serial No. 81,171
Term of patent 14 years



The ornamental design for a washing machine, as shown and described.

117,443
DESIGN FOR AN ALPHABET BUTTON OR SIMILAR ARTICLE
Clarence Bickner, Bartlesville, Okla.
Application April 4, 1939, Serial No. 84,038
Term of patent 3½ years



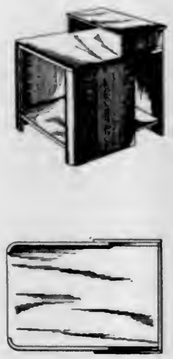
The ornamental design for an alphabet button or similar article, substantially as shown.

117,444
DESIGN FOR A PIPE COUPLING
Gerhard L. Busian, Detroit, Mich., assignor to William Robert Wilson, Detroit, Mich.
Application March 27, 1939, Serial No. 83,858
Term of patent 7 years



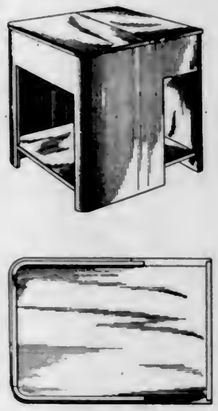
The ornamental design for a pipe coupling, substantially as shown.

117,445
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Elizabeth R. Butzner, New York, N. Y.
Application March 11, 1939, Serial No. 83,522
Term of patent 3½ years



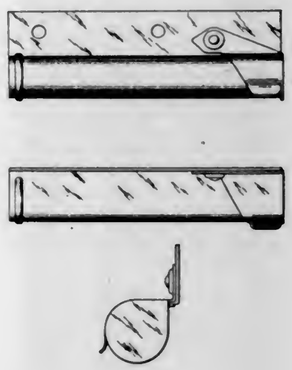
The ornamental design for a table or similar article, substantially as shown.

117,446
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Elizabeth R. Butzner, New York, N. Y.
Application March 11, 1939, Serial No. 83,523
Term of patent 3½ years



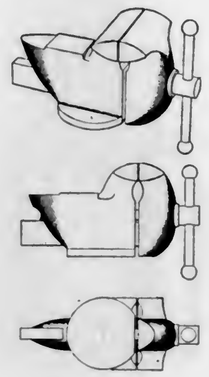
The ornamental design for a table or similar article, substantially as shown.

117,447
DESIGN FOR A CARD HOLDER
Sterling H. Campbell and Frank H. Pietzsch, St. Louis, Mo., assignors to Western Railway Equipment Company, St. Louis, Mo., a corporation of Missouri
Application May 8, 1939, Serial No. 84,873
Term of patent 14 years



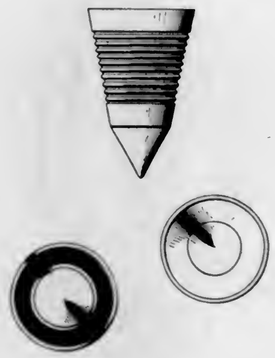
The ornamental design for a card holder, as shown.

117,448
DESIGN FOR A VISE
James J. Connors, Meriden, Conn., assignor to The Charles Parker Company, Meriden, Conn., a corporation of Connecticut
Application September 14, 1939, Serial No. 87,225
Term of patent 14 years



The ornamental design for a vise, substantially as shown.

117,449
DESIGN FOR AN ICE CREAM CONE
Burton White Devereux, Pueblo, Colo.
Application September 16, 1939, Serial No. 87,254
Term of patent 14 years



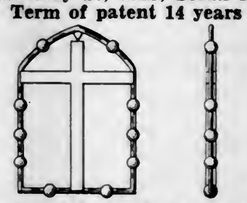
The ornamental design for an ice cream cone, as shown.

117,450
DESIGN FOR A CRUCIFIX
John B. Garvey, Philadelphia, Pa.
Application June 20, 1939, Serial No. 85,580
Term of patent 7 years



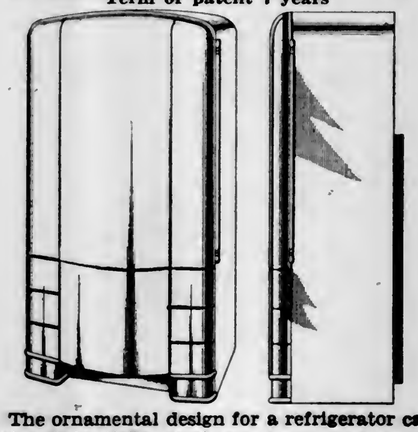
The ornamental design for a crucifix, as shown and described.

117,451
DESIGN FOR A PRAYER MEDAL
George B. Hovey, Cincinnati, Ohio
Application July 27, 1939, Serial No. 86,279
Term of patent 14 years



The ornamental design for a prayer medal, as shown.

117,452
DESIGN FOR A REFRIGERATOR CABINET
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application September 20, 1939, Serial No. 87,300
Term of patent 7 years



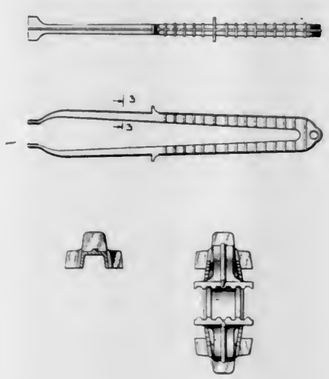
The ornamental design for a refrigerator cabinet, substantially as shown.

117,453
DESIGN FOR A TEXTILE FABRIC
Marcel Mey, New York, N. Y.
Application October 14, 1939, Serial No. 87,664
Term of patent 3½ years



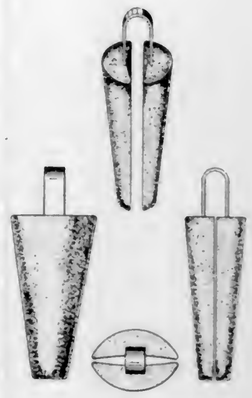
The ornamental design for a textile fabric, substantially as shown.

117,454
DESIGN FOR A PHOTOGRAPHIC TONG OR SIMILAR ARTICLE
William Edmund Naylor, New York, N. Y., assignor to Fink-Roselieve Co. Inc., New York, N. Y., a corporation of New York
Application September 15, 1939, Serial No. 87,236
Term of patent 3½ years



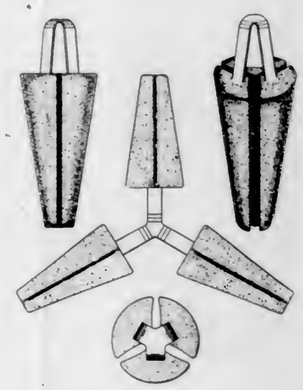
The ornamental design for a photographic tong or similar article, substantially as shown.

117,455
DESIGN FOR A CONFECTION
George T. Parr, Minneapolis, Minn., assignor to Holiday Corporation, Minneapolis, Minn., a corporation of Minnesota
Application June 21, 1939, Serial No. 85,606
Term of patent 14 years



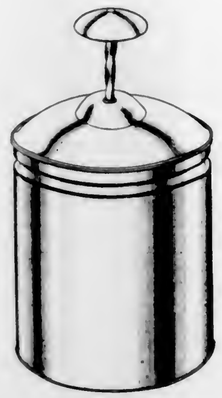
The ornamental design for a confection, as shown.

117,456
DESIGN FOR A CONFECTION
George T. Parr, Minneapolis, Minn., assignor to Holiday Corporation, Minneapolis, Minn., a corporation of Minnesota
Application July 24, 1939, Serial No. 86,210
Term of patent 14 years



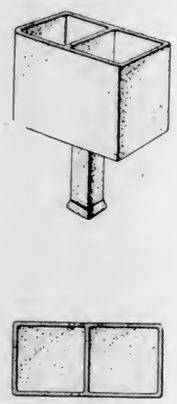
The ornamental design for a confection, as shown.

117,457
DESIGN FOR A PORTABLE WASHING MACHINE
William L. Pressey, Chicago, Ill., assignor to Odisco Corporation, Chicago, Ill.
Application March 12, 1938, Serial No. 75,782
Term of patent 14 years



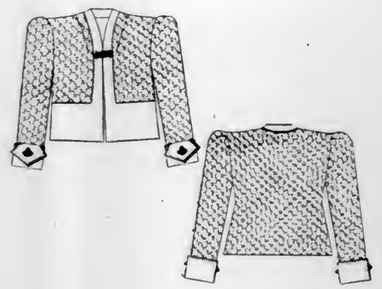
The ornamental design for a portable washing machine, as shown and described.

117,458
DESIGN FOR AN EDIBLE ICE CREAM CONTAINER OR THE LIKE
Harry L. Sappington, Jefferson City, Mo.
Application August 8, 1939, Serial No. 86,533
Term of patent 7 years



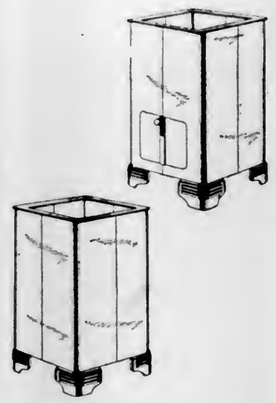
The ornamental design for an edible ice cream container or the like, as shown.

117,459
DESIGN FOR A JACKET
Leon Scharf, New York, N. Y.
Application October 6, 1939, Serial No. 87,537
Term of patent 7 years



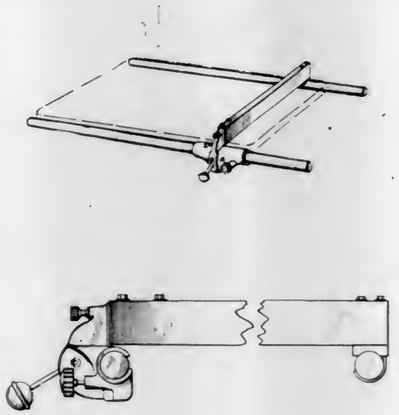
The ornamental design for a jacket, substantially as shown.

117,460
DESIGN FOR A CASING FOR A WOODWORKING MACHINE
Herbert E. Tautz, Milwaukee, Wisconsin, assignor to Delta Manufacturing Company, Milwaukee, Wis.
Application November 4, 1938, Serial No. 80,887
Term of patent 14 years



The ornamental design for a casing for a woodworking machine, as shown.

117,461
DESIGN FOR A COMBINATION TOP, GAUGE, AND GUIDE BARS FOR WOODWORKING MACHINES
Herbert E. Tautz, Milwaukee, Wis., assignor to Delta Manufacturing Company, Milwaukee, Wis.
Application November 23, 1938, Serial No. 81,319
Term of patent 14 years



The ornamental design for a combination top, gauge, and guide bars for woodworking machines, as shown and described.

117,462
DESIGN FOR A RUG OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application September 28, 1939, Serial No. 87,405
Term of patent 7 years



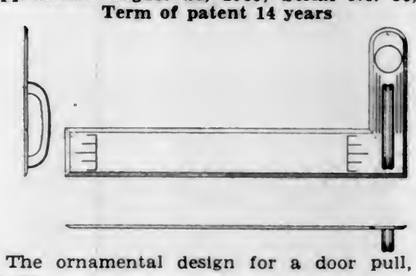
The ornamental design for a rug or similar article, substantially as shown.

117,463
DESIGN FOR A DISPLAY CASE
Henry P. Vaughn, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Co., Grand Rapids, Mich., a corporation of Michigan
Application May 22, 1939, Serial No. 85,140
Term of patent 7 years



The ornamental design for a display case, as shown and described.

117,464
DESIGN FOR A DOOR PULL
William F. Vernon, Newton, Iowa
Application August 24, 1939, Serial No. 86,861
Term of patent 14 years



The ornamental design for a door pull, as shown.

117,465
DESIGN FOR A DRESS
Shirley Aronoff, New York, N. Y.
Application October 13, 1939, Serial No. 87,645
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,466
DESIGN FOR A VACUUM BOTTLE
Carl Bramming, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application May 22, 1939, Serial No. 85,125
Term of patent 14 years



The ornamental design for a vacuum bottle, substantially as shown.

117,467
DESIGN FOR A HAND LUGGAGE CASE
William C. Chesnut, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application May 8, 1939, Serial No. 84,877
Term of patent 14 years



The ornamental design for a hand luggage case, as shown and described.

117,468
DESIGN FOR A TABLECLOTH
Bert Elfenbein, Scarsdale, N. Y., assignor to Felix Tausend & Sons, New York, N. Y.
Application July 18, 1939, Serial No. 86,062
Term of patent 3½ years



The ornamental design for a tablecloth, substantially as shown and described.

117,469
DESIGN FOR A TABLECLOTH
Bert Elfenbein, Scarsdale, N. Y., assignor to Felix Tausend & Sons, New York, N. Y.
Application July 18, 1939, Serial No. 86,063
Term of patent 3½ years



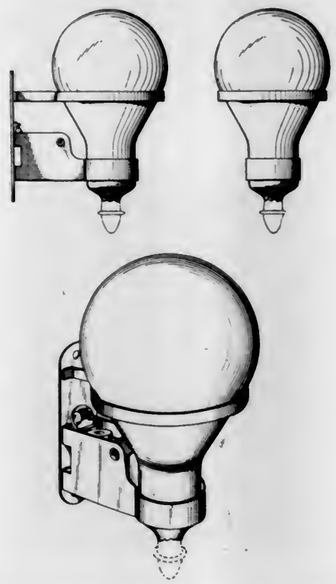
The ornamental design for a tablecloth, substantially as shown and described.

117,470
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application October 16, 1939, Serial No. 87,669
Term of patent 3½ years



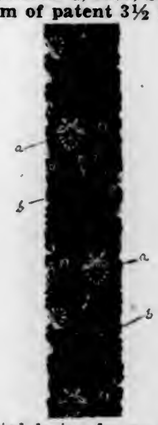
The ornamental design for a dress, substantially as shown.

117,471
DESIGN FOR A COMBINATION FIRE GRENADE AND SUPPORT
Powell Evans, Haverford, Pa.
Application November 29, 1938, Serial No. 81,463
Term of patent 14 years



The ornamental design for a combination fire grenade and support, substantially as shown and described.

117,472
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application October 4, 1939, Serial No. 87,508
Term of patent 3½ years



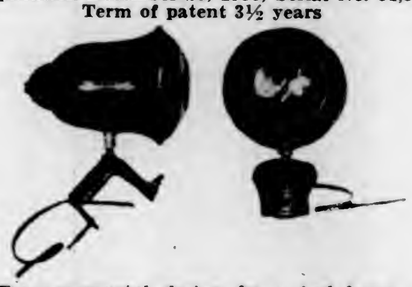
The ornamental design for an embroidered textile fabric or similar article, as shown and described.

117,473
DESIGN FOR AN ELECTRIC BED LAMP
John O. Grode, Hackensack, N. J.
Application December 20, 1938, Serial No. 81,897
Term of patent 3½ years



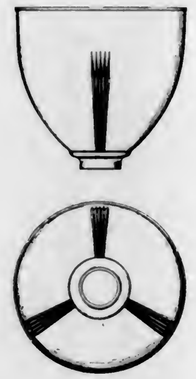
The ornamental design for an electric bed lamp, as shown.

117,474
DESIGN FOR A BED LAMP
John O. Grode, Hackensack, N. J.
Application December 20, 1938, Serial No. 81,898
Term of patent 3½ years



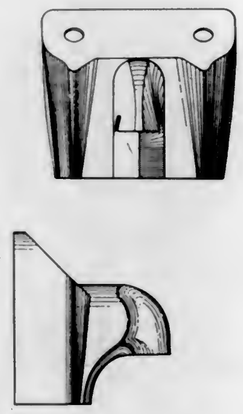
The ornamental design for a bed lamp, as shown.

117,475
DESIGN FOR A GLOBE FOR LIGHTING FIXTURES
Gustave A. Gustafson, Meriden, Conn., assignor to General Electric Company, a corporation of New York
Application January 11, 1939, Serial No. 82,292
Term of patent 14 years



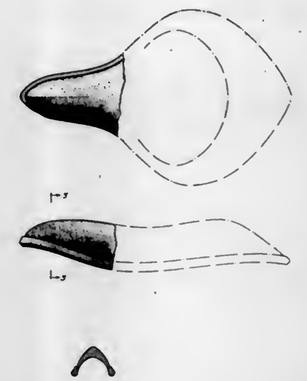
The ornamental design for a globe for lighting fixtures, substantially as shown and described.

117,476
DESIGN FOR A HOUSING FOR BATHTUB FITTINGS
James C. Hermann, Los Angeles, Calif.
Application February 28, 1939, Serial No. 83,472
Term of patent 7 years



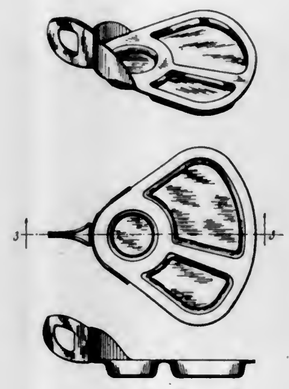
The ornamental design for a housing for bathtub fittings, as shown.

117,477
DESIGN FOR A CYCLE SADDLE SEAT
Harold E. Kalter, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application July 11, 1939, Serial No. 85,951
Term of patent 14 years



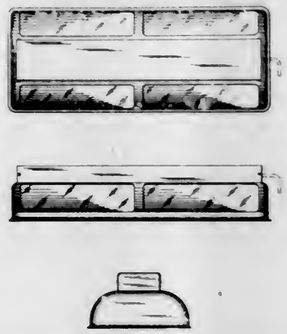
The ornamental design for a cycle saddle seat, substantially as shown.

117,478
DESIGN FOR A SERVICE PLATE
Ralph G. Keenan, Denver, Colo.
Application August 8, 1939, Serial No. 86,537
Term of patent 7 years



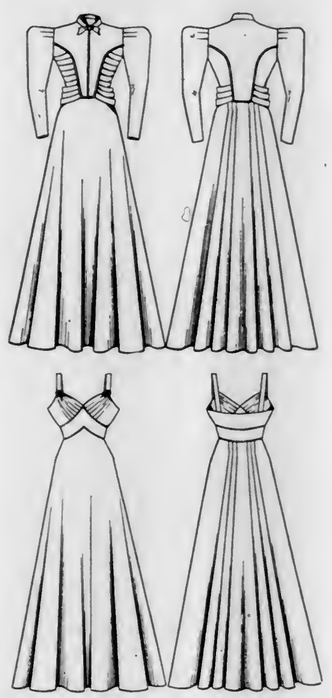
The ornamental design for a service plate, as shown.

117,479
DESIGN FOR A REFLECTOR
John B. Linstrom, Newton, Mass.
Application April 1, 1939, Serial No. 83,987
Term of patent 7 years



The ornamental design for a reflector, substantially as shown.

117,480
DESIGN FOR A DRESS ENSEMBLE
Catherine Mascitelli, New York, N. Y.
Application October 16, 1939, Serial No. 87,672
Term of patent 3½ years



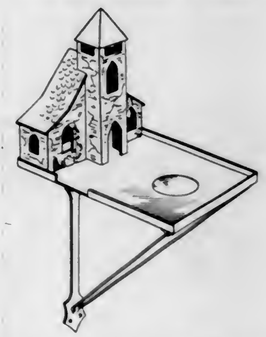
The ornamental design for a dress ensemble, substantially as shown.

117,481
DESIGN FOR A DRESS ENSEMBLE
Marie Mascitelli, New York, N. Y.
Application October 16, 1939, Serial No. 87,673
Term of patent 3½ years



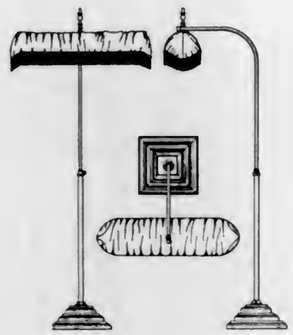
The ornamental design for a dress ensemble, substantially as shown.

117,482
DESIGN FOR A BIRD HOUSE OR THE LIKE
Mildred Mustarkes, Newport, R. I.
Application August 9, 1939, Serial No. 86,569
Term of patent 7 years



The ornamental design for a bird house or the like, as shown and described.

117,483
DESIGN FOR A CASKET ILLUMINATING LAMP
William M. Parker, Sr., Granite City, Ill.
Application August 28, 1939, Serial No. 86,912
Term of patent 14 years



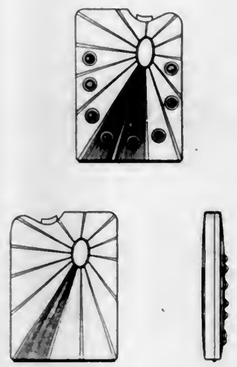
The ornamental design for a casket illuminating lamp, substantially as shown.

117,484
DESIGN FOR A LAMP BASE
Henry A. Perlmutter, New York, N. Y.
Application August 15, 1939, Serial No. 86,692
Term of patent 3½ years



The ornamental design for a lamp base, as shown.

117,485
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Jeannette Rich, Chicago, Ill.
Application August 25, 1939, Serial No. 86,883
Term of patent 7 years



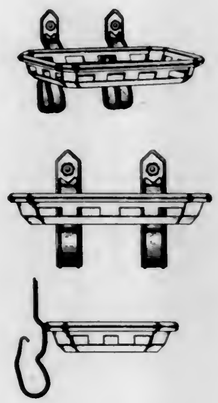
The ornamental design for a vanity case or similar article, as shown and described.

117,486
DESIGN FOR A TEXTILE FABRIC
Edward Rothenberg, Brooklyn, N. Y.
Application September 23, 1939, Serial No. 87,359
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

117,487
DESIGN FOR A COMBINATION SOAP DISH AND BRACKETS
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application August 2, 1939, Serial No. 86,409
Term of patent 7 years



The ornamental design for a combination soap dish and brackets, substantially as shown and described.

117,488
DESIGN FOR A DRESS ENSEMBLE
Harry Shull, New York, N. Y.
Application October 16, 1939, Serial No. 87,675
Term of patent 3½ years

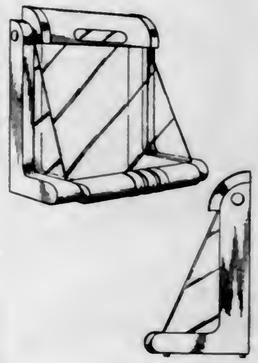


117,488—Continued



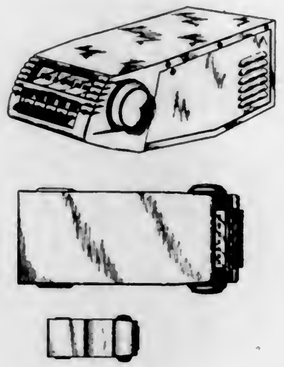
The ornamental design for a dress ensemble, substantially as shown.

117,489
DESIGN FOR A MERCHANDISE DISPLAY CASE
José Trojan, Chicago, Ill., assignor to Owen Householder and David C. Cohen, co-partners, doing business as Crystal Manufacturing Co., Chicago, Ill.
Application September 22, 1939, Serial No. 87,347
Term of patent 3½ years



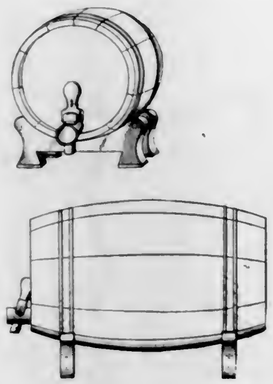
The ornamental design for a merchandise display case, substantially as shown.

117,490
DESIGN FOR AN AUTOMOBILE RADIO SET OR THE LIKE
George W. Bill, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application February 2, 1939, Serial No. 82,737
Term of patent 7 years



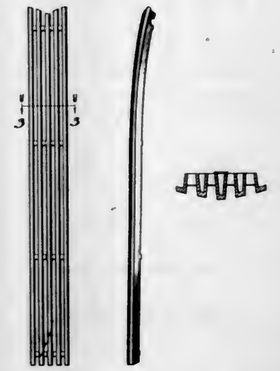
The ornamental design for an automobile radio set or the like, substantially as shown and described.

117,491
DESIGN FOR A DISPENSER FOR CIGARETTES OR CIGARS
Walter L. Buszkiewicz, Lemont, Ill.
Application April 25, 1939, Serial No. 84,553
Term of patent 14 years



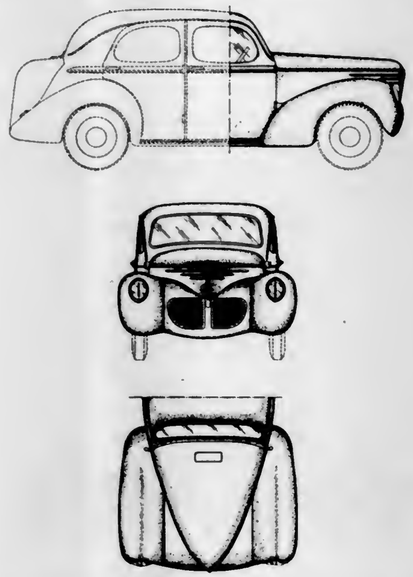
The ornamental design for a dispenser for cigarettes or cigars, substantially as shown.

117,492
DESIGN FOR AN AUTOMOBILE GRILLE UNIT
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 2, 1938, Serial No. 79,715
Term of patent 7 years



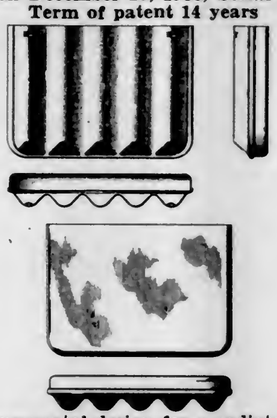
The ornamental design for an automobile grille unit, substantially as shown and described.

117,493
DESIGN FOR AN AUTOMOBILE
Edgard C. De Smet, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application August 19, 1939, Serial No. 86,785
Term of patent 3½ years



The ornamental design for an automobile, substantially as shown and described.

117,494
DESIGN FOR A RADIATOR HUMIDIFIER
William Fader, Newark, N. J.
Application December 13, 1938, Serial No. 81,755
Term of patent 14 years



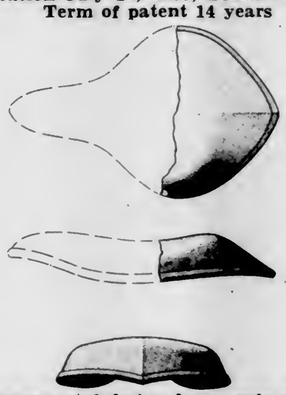
The ornamental design for a radiator humidifier, as shown and described.

117,495
DESIGN FOR A RING
Nathan Heyman, New York, N. Y., assignor to Oscar Heyman & Brothers, Inc., New York, N. Y., a corporation of New York
Application September 6, 1939, Serial No. 87,070
Term of patent 14 years



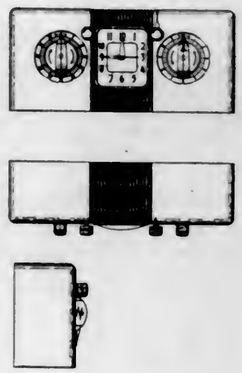
The ornamental design for a ring, substantially as shown and described.

117,496
DESIGN FOR A CYCLE SADDLE SEAT
Harold E. Kalter, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application July 11, 1939, Serial No. 85,952
Term of patent 14 years



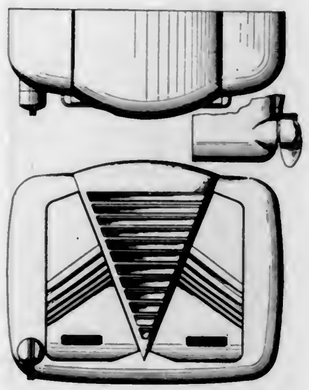
The ornamental design for a cycle saddle seat, substantially as shown and described.

117,497
DESIGN FOR A CASE FOR RANGE TIMERS
Frederick Lux and William A. Hersey, Waterbury, Conn., assignors to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn., a corporation of Connecticut
Application January 21, 1939, Serial No. 82,518
Term of patent 7 years



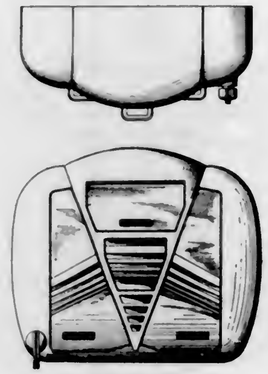
The ornamental design for a case for range timers, substantially as shown.

117,498
DESIGN FOR A HEATER
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application June 24, 1939, Serial No. 85,666
Term of patent 7 years



The ornamental design for a heater, as shown.

117,499
DESIGN FOR A HEATER
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application June 24, 1939, Serial No. 85,667
Term of patent 7 years



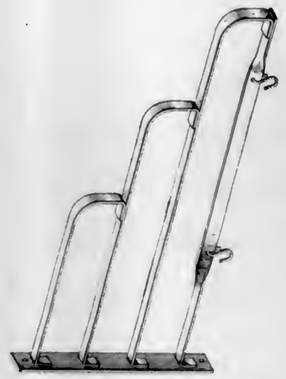
The ornamental design for a heater, as shown.

117,500
DESIGN FOR A BOTTLE
Ovid S. Parker, South Gate, Calif., assignor to Cameo Vinyards Company, Fresno, Calif., a corporation of California
Application September 8, 1939, Serial No. 87,100
Term of patent 14 years



The ornamental design for a bottle, as shown.

117,501
DESIGN FOR A SIGN SUPPORTING BRACKET
Louis J. Schneider, Chicago, Ill.
Application September 11, 1939, Serial No. 87,130
Term of patent 7 years



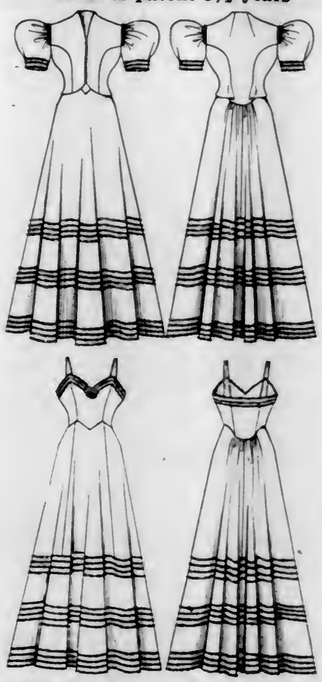
The ornamental design for a sign supporting bracket, as shown.

117,502
DESIGN FOR OILCLOTH OR SIMILAR ARTICLE
Charles F. Scholle, Larchmont, N. Y., assignor to Standard Coated Products Corporation, New York, N. Y., a corporation of New York
Application December 27, 1938, Serial No. 81,999
Term of patent 7 years



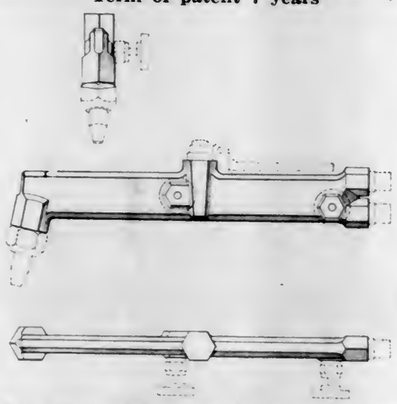
The ornamental design for oilcloth or similar article, substantially as shown.

117,503
DESIGN FOR A DRESS ENSEMBLE
Harry Shull, New York, N. Y.
Application October 16, 1939, Serial No. 87,674
Term of patent 3½ years



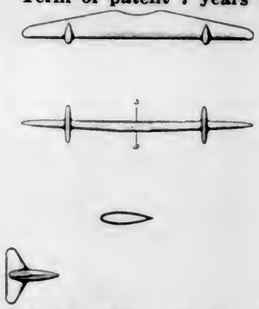
The ornamental design for a dress ensemble, substantially as shown.

117,504
DESIGN FOR A CUTTING TORCH
Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Minnesota
Application March 13, 1939, Serial No. 83,529
Term of patent 7 years



The ornamental design for a cutting torch, substantially as shown, and described.

117,505
DESIGN FOR A MOTOR VEHICLE BUMPER
Alfred W. Schonberg, Minneapolis, Minn.
Application August 15, 1938, Serial No. 79,359
Term of patent 7 years



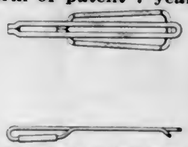
The ornamental design for a motor vehicle bumper, as shown.

117,506
DESIGN FOR A COMBINED CAN PUNCH AND POURING SPOUT
John D. Julius, Indianapolis, Ind., assignor of one-fourth to Raymond L. Bandy and one-fourth to Zora E. Bandy, both of Indianapolis, Ind.
Application December 6, 1938, Serial No. 81,608
Term of patent 7 years



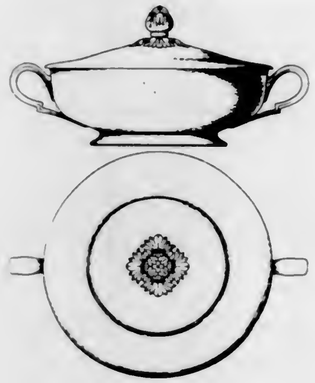
The ornamental design for a combined can punch and pouring spout, as shown.

117,507
DESIGN FOR A CRAVAT HOLDER OR SIMILAR ARTICLE
Charles R. Tost, Cranston, R. I., assignor to The Hadley Company, Inc., Providence, R. I., a corporation of Rhode Island
Application May 6, 1939, Serial No. 84,847
Term of patent 7 years



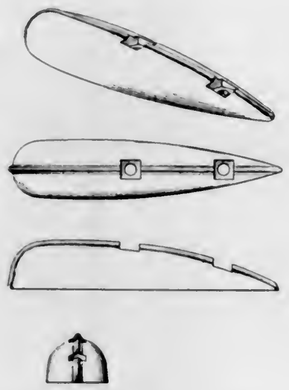
The ornamental design for a cravat holder or similar article, substantially as shown and described.

117,508
DESIGN FOR A CASSEROLE DISH
Charles Kaiser, Great Neck, N. Y., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application June 21, 1939, Serial No. 85,610
Term of patent 7 years



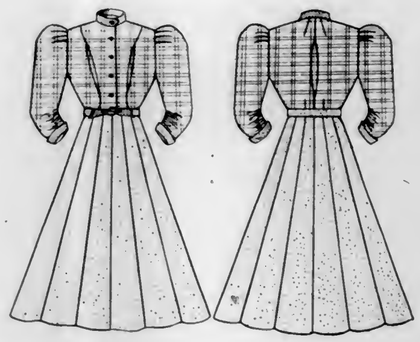
The ornamental design for a casserole dish, as shown.

117,509
DESIGN FOR A TRAILER COUPLER FITTING
John L. Gilmore, Kansas City, Mo.
Application July 24, 1939, Serial No. 86,220
Term of patent 14 years



The ornamental design for a trailer coupler fitting, substantially as shown.

117,510
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application July 31, 1939, Serial No. 86,339
Term of patent 3½ years



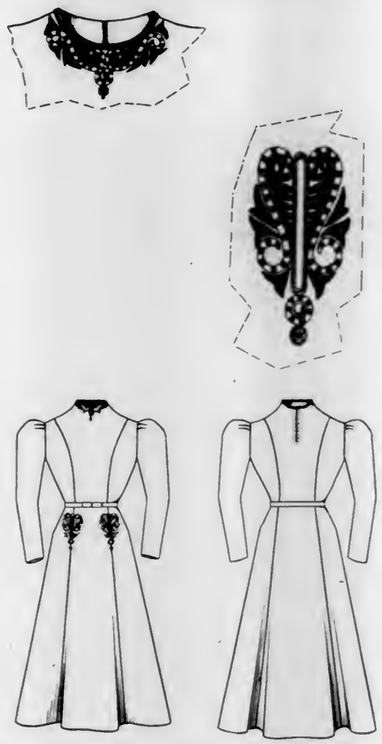
The ornamental design for a dress, substantially as shown.

117,511
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application September 5, 1939, Serial No. 87,035
Term of patent 3½ years



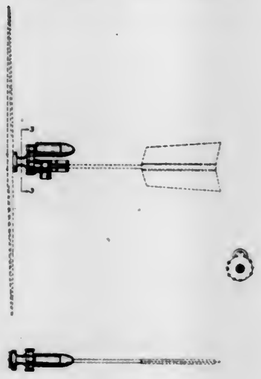
The ornamental design for a dress, substantially as shown and described.

117,512
DESIGN FOR A DRESS
Harry Roher, New York, N. Y.
Application September 5, 1939, Serial No. 87,039
Term of patent 3½ years

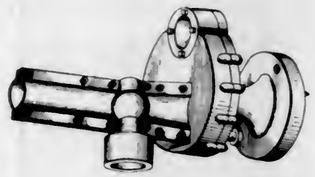


The ornamental design for a dress, substantially as shown and described.

117,513
DESIGN FOR A WIND CHARGING UNIT
John R. Albers, Sioux City, Iowa
Application April 15, 1938, Serial No. 76,537
Term of patent 7 years



117,513—Continued



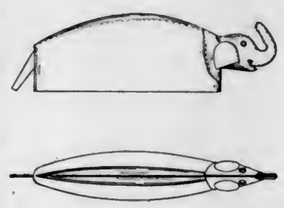
The ornamental design for a wind charging unit, as shown and described.

117,514
DESIGN FOR A DRESS
Paulette Corday, New York, N. Y.
Application October 16, 1939, Serial No. 87,670
Term of patent 3½ years



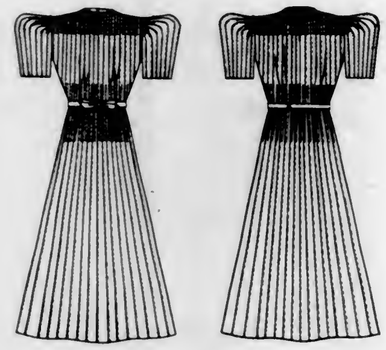
The ornamental design for a dress, substantially as shown and described.

117,515
DESIGN FOR A CAP
Della F. Cronkhite, Fort Wayne, Ind.
Application October 6, 1939, Serial No. 87,554
Term of patent 3½ years



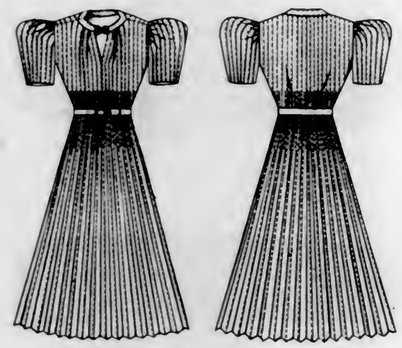
The ornamental design for a cap, as shown.

117,516
DESIGN FOR A DRESS
Madeleine Croizat, New York, N. Y.
Application August 21, 1939, Serial No. 86,797
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

117,517
DESIGN FOR A DRESS
Madeleine Croizat, New York, N. Y.
Application August 21, 1939, Serial No. 86,798
Term of patent 3½ years



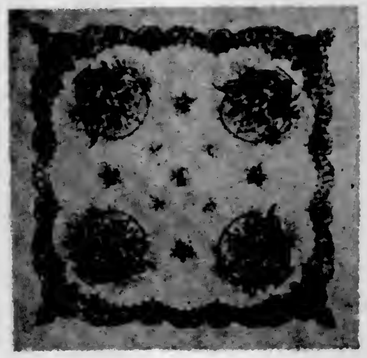
The ornamental design for a dress, substantially as shown and described.

117,518
DESIGN FOR A TABLECLOTH
Bert Elfenbein, Scarsdale, N. Y., assignor to Felix Tausend & Sons, New York, N. Y.
Application July 18, 1939, Serial No. 86,064
Term of patent 3½ years



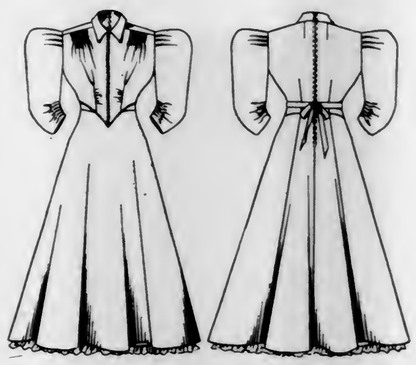
The ornamental design for a tablecloth, substantially as shown and described.

117,519
DESIGN FOR A HANDKERCHIEF
Max Joseph Rosen, Brooklyn, N. Y.
Application September 29, 1939, Serial No. 87,420
Term of patent 3½ years



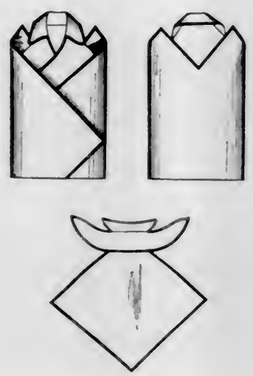
The ornamental design for a handkerchief, as shown.

117,520
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 2, 1939, Serial No. 87,457
Term of patent 3½ years



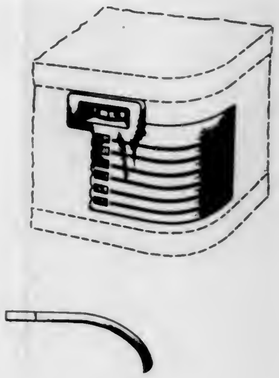
The ornamental design for a dress, substantially as shown.

117,521
DESIGN FOR A COMBINED INFANT'S JACKET AND BLANKET
Bertha Braun Friedman, New York, N. Y.
Application July 19, 1939, Serial No. 86,074
Term of patent 7 years



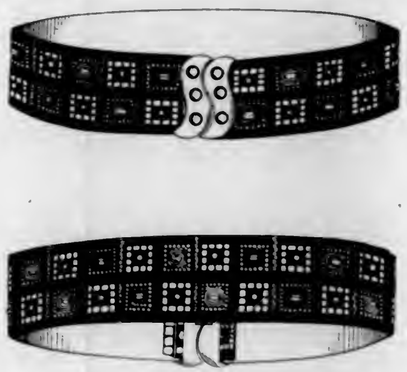
The ornamental design for a combined infant's jacket and blanket, substantially as shown.

117,522
DESIGN FOR AN ESCUTCHEON PLATE FOR A COMBINED RADIO DIAL AND CONTROL PANEL OR THE LIKE
Le Roy J. Leishman, Los Angeles, Calif.
Application October 25, 1937, Serial No. 72,419
Term of patent 7 years



The ornamental design for an escutcheon plate for a combined radio dial and control panel or the like, substantially as shown and described.

117,523
DESIGN FOR A BELT OR SIMILAR ARTICLE
Mortimer Marcus, New York, N. Y.
Application October 5, 1939, Serial No. 87,519
Term of patent 3½ years



The ornamental design for a belt or similar article, substantially as shown.

117,524
DESIGN FOR A HANDBAG
Julius Michel, New York, N. Y.
Application September 12, 1939, Serial No. 87,154
Term of patent 7 years



The ornamental design for a handbag, substantially as shown and described.

117,525
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application October 16, 1939, Serial No. 87,666
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,526
DESIGN FOR AN ILLUMINATED ANNIVERSARY CALENDAR REMINDER
Jack S. Miller, Woonsocket, R. I.
Application March 29, 1939, Serial No. 83,902
Term of patent 3½ years



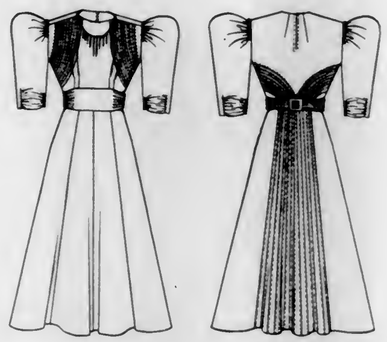
The ornamental design for an illuminated anniversary calendar reminder, substantially as shown.

117,527
DESIGN FOR A DRESS
Syd Novak, Chicago, Ill.
Application September 13, 1939, Serial No. 87,168
Term of patent 3½ years



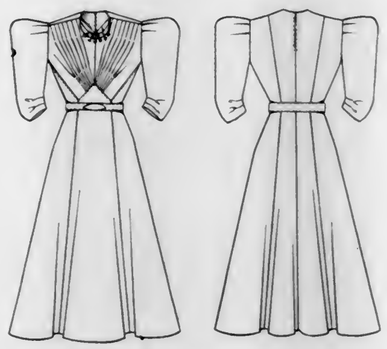
The ornamental design for a dress, substantially as shown.

117,528
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application October 9, 1939, Serial No. 87,578
Term of patent 3½ years



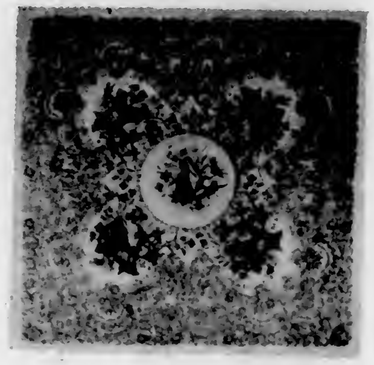
The ornamental design for a dress, substantially as shown.

117,529
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application October 9, 1939, Serial No. 87,579
Term of patent 3½ years



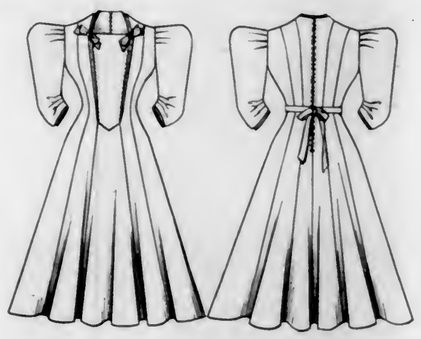
The ornamental design for a dress, substantially as shown.

117,530
DESIGN FOR A HANDKERCHIEF
Max Joseph Rosen, Brooklyn, N. Y.
Application September 29, 1939, Serial No. 87,419
Term of patent 3½ years



The ornamental design for a handkerchief, as shown.

117,531
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 2, 1939, Serial No. 87,454
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,532
DESIGN FOR A COAT
Arthur Rosenzweig, New York, N. Y.
Application August 25, 1939, Serial No. 86,880
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

117,533
DESIGN FOR A SUIT
Jacob A. Silverman, Brooklyn, N. Y.
Application August 18, 1939, Serial No. 86,774
Term of patent 3½ years



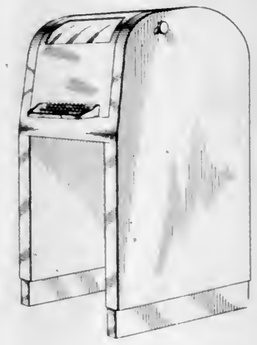
The ornamental design for a suit, substantially as shown.

117,534
DESIGN FOR A HAT
Irwin B. Simon, San Francisco, Calif.
Application April 25, 1939, Serial No. 84,541
Term of patent 3½ years



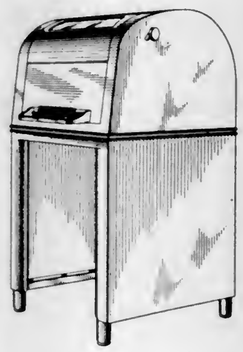
The ornamental design for a hat, as shown.

117,535
DESIGN FOR A TELEPRINTER CABINET
Victor Weidner, Port Washington, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 13, 1938, Serial No. 79,312
Term of patent 14 years



The ornamental design for a teleprinter cabinet, as shown and described.

117,536
DESIGN FOR A TELEPRINTER CABINET
Victor Weidner, Port Washington, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 13, 1938, Serial No. 79,313
Term of patent 14 years



The ornamental design for a teleprinter cabinet, as shown and described.

117,537
DESIGN FOR A DRESS
Samuel E. Frontman, New York, N. Y.
Application October 20, 1939, Serial No. 87,746
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,538
DESIGN FOR A DRESS
Louis L. Kashine, New York, N. Y.
Application October 16, 1939, Serial No. 87,667
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,539
DESIGN FOR A DRESS
Medy Korshak, New York, N. Y.
Application October 17, 1939, Serial No. 87,697
Term of patent 3½ years



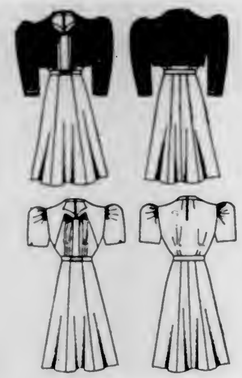
The ornamental design for a dress, substantially as shown.

117,540
DESIGN FOR A DRESS
Medy Korshak, New York, N. Y.
Application October 19, 1939, Serial No. 87,716
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,541
DESIGN FOR A DRESS ENSEMBLE
Ada Maidman, New York, N. Y.
Application October 17, 1939, Serial No. 87,696
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

117,542
DESIGN FOR A DRESS
Felicia L. Rose, New York, N. Y.
Application October 17, 1939, Serial No. 87,699
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,543
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application October 20, 1939, Serial No. 87,743
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,544
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application October 20, 1939, Serial No. 87,744
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,545
DESIGN FOR A HAT
Irwin B. Simon, San Francisco, Calif.
Application April 25, 1939, Serial No. 84,542
Term of patent 3½ years



The ornamental design for a hat, as shown.

117,546
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application April 7, 1939, Serial No. 84,124
Term of patent 3½ years



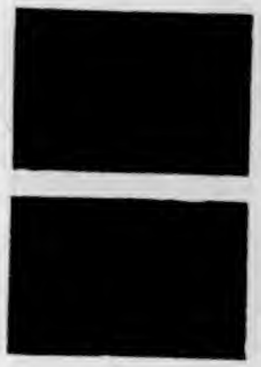
The ornamental design for a textile fabric, as shown and described.

117,547
DESIGN FOR TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application August 11, 1939, Serial No. 86,617
Term of patent 3½ years



The ornamental design for textile fabric, as shown and described.

117,548
DESIGN FOR A WOVEN ELASTIC TEXTILE FABRIC
Jack Julius Feldman, New York, N. Y.
Application May 12, 1939, Serial No. 84,935
Term of patent 3½ years



The ornamental design for a woven elastic textile fabric, substantially as shown and described.

Patents Nos. 2,179,476 to 2,180,332

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Plant Patents	1—No.	346	inclusive.
Patents	857—No.	2,179,476 to No.	2,180,332, inclusive.
Designs	111—No.	117,549 to No.	117,659, inclusive.
Total	1,253		

Classification Bulletin No. 76

Classification Bulletin No. 76 is now available and may be purchased from the Commissioner of Patents.

Transfer of Subclasses

ORDER No. 3,491

U. S. PATENT OFFICE, *Washington, D. C., Oct. 30, 1939.*

The following transfer, to take effect November 1, 1939, is hereby ordered:

Class 68, subclasses 241 to 277, inclusive, from Division 27 to Division 2.

CONWAY P. COE,
Commissioner.

Trade-Mark Registrations Canceled

147,080. Polish. The Ceda-Oda Company, Franklin Park, Mass. Registered October 4, 1921. Canceled October 27, 1939.

147,523. Polish. The Thompson-Denton Co., Seattle, Wash. Registered October 18, 1921. Canceled October 21, 1939.

213,409. Liquid for cedarizing wood. The Don-O-Lac Co., Inc., Rochester, N. Y. Registered May 25, 1926. Canceled October 21, 1939.

300,904. Certain named toilet preparations. Samuel S. Klein, doing business as Villon and Villon, Perfumer, Brooklyn, N. Y. Registered February 14, 1933. Canceled October 27, 1939.

304,036. Medical preparation. Stephen M. Duschock, doing business as Polamer Drug Co., South River, N. J. Registered June 20, 1933. Canceled October 21, 1939.

315,987. Alcoholic cordials. Joseph Krieg-Fink Company, Glen Ridge, N. J. Registered August 14, 1934. Canceled October 27, 1939.

332,781. Antiseptic. Ernest O. Osborn, doing business as The Clov-O-Leen Co., Knoxville, Iowa. Registered February 25, 1936. Canceled October 27, 1939.

357,182. Canned spinach. The Frank Pure Food Company, Franksville, Wis. Registered May 24, 1938. Canceled October 21, 1939.

360,171. Mattresses. David Paransky, doing business as Star Bedding Company, Pittsburgh, Pa. Registered September 6, 1938. Canceled October 21, 1939.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Oct. 25, 1939.*

General Silk Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of National Fabrics Corporation, 119 West Fortieth Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 263,351, issued November 5, 1929, to General Silk Corporation, 2 Park Avenue, New York, N. Y., and a notice of such proceeding sent by registered mail to said General Silk Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said General Silk Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business October 28, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,857; Trade-Mark Division, 1,405. Oldest new case, March 24, 1939; oldest amended, March 18, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 1	June 2	660
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 7	June 14	680
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 28	Sept. 1	381
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	May 16	May 20	565
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 28	July 29	511
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	May 1	May 25	922
5725	7. JARBOE, C. G., Optics; Photography	June 1	June 20	993
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	May 8	May 15	1198
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	June 1	June 2	713
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 17	July 24	553
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 6	June 28	498
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Apr. 29	Apr. 25	559
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	May 24	May 25	740
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Aug. 23	Aug. 19	374
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	May 18	May 19	1352
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 24	May 27	760
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting	May 31	June 16	758
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Apr. 21	May 6	515
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 10	June 3	529
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 10	June 16	408
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 12	July 7	535
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 3	May 4	1016
7624	23. BUTTNER, W. J., Registers (part)	Apr. 8	Apr. 1	316
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 21	Apr. 13	1382
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and comminutors.	July 7	July 7	621
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 2	May 31	580
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Mar. 24	Mar. 18	1304
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	June 12	June 2	456
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	May 20	May 13	853
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 29	May 28	876
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 8	July 5	853
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 10	July 12	430
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 1	July 6	939
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Aug. 4	Aug. 10	270
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	June 2	June 1	772
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 2	June 3	676
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 1	May 29	799
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Apr. 18	Apr. 18	918
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 1	June 28	637
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Apr. 24	Apr. 24	1927
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	May 31	June 5	300
5882	42. CUTTING, H. O., Electric Signaling	Apr. 15	Apr. 10	694
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	June 19	June 21	581
4087 B	44. HARVEY, L. P., Refrigeration	May 29	May 29	727
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 20	June 20	509
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	May 31	June 2	761
6082	47. LOWE, E. R., Clutches; Brakes	June 29	June 28	484
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	June 28	June 29	497
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	May 4	Apr. 19	1085
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	May 13	May 19	1376
5628	51. BACKUS, C. D., Radiant Energy (part)	Aug. 4	Aug. 2	646
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	June 26	July 8	699
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 26	July 25	359
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	June 12	June 22	317
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Apr. 29	May 5	509
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 2	May 2	1264
6613	57. NICOLSON, O. D. O., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 10	June 15	477
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	June 8	July 1	399
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 12	June 12	800
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	June 26	June 26	452
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	May 31	June 1	633
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 5	Aug. 9	458
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	May 6	May 8	954
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 10	July 10	801
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 13	May 3	588
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks / Labels and Prints}	Sept. 26 / Oct. 20	Oct. 12 / Oct. 18	1,345 / 60
2605	Designs: H. H. KALUPY	Sept. 28	Oct. 10	658

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE TORGERSEN

No. 4,183. Decided June 5, 1939

[104 F.(2d) 194]

PATENTABILITY—ORNAMENTAL DESIGN FOR A SOCK.

Claim for an ornamental design for a sock *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. David Charness and *Mr. Eugene E. Stevens* for Torgersen.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.:*

Appellant filed his application for a patent for a design for a sock, which application contained a single claim:

The ornamental design for a sock as shown and described.

The Primary Examiner of the United States Patent Office rejected the single claim on the following reference: Greco, 1,745,927, February 4, 1930.

The ornamental design for a sock as shown by the drawing is as follows:



The Examiner also pointed out that the patent to Gaines, 2,035,469, March 31, 1936, shows that the combination of a garter and a sock was common art.

Upon appeal, the Board of Appeals said:

We are not inclined to find patentability in the ornamental design for a sock on appeal in view of the Greco patent. While Greco's garter is evidently detachable from the sock, yet to use the conventional round garter or supporting band with a conventional sock does not ornament the sock, in our opinion.

However, we have discovered the patent to Hall, No. 719,108, January 27, 1903, which discloses a round garter attached to the front of a sock in much the same manner as in appellant's design and the fact that this patent does not show a "gathered effect" in the sock or that the garter has no ribs on it seems of minor import. The claim is rejected as unpatentable over Hall.

The patent to Hall, 719,108, January 27, 1903, which seems to be the reference chiefly relied upon by the Board, shows a sock with attached supporting garter, flat in character, which at the point of attachment is apparently integral. The draftsman of the drawing has made shading lines which somewhat resemble the surface appearance of elastic fabric.

Appellant urges that neither of the three references has the same pleasing appearance as does his design and stresses at some length the contention that he has shown an attached garter, ribbed in character, which adds additional ornamentation not shown in the cited prior art.

It was the view of the Board that the so-called "gathered effect" at the top of the sock and the ribbed garter of applicant's design and the lack of the same in the cited prior art would seem to be "of minor import". The Board furthermore was of the opinion that the use of a conventional round garter or supporting band with a conventional sock does not ornament the sock.

The Greco combined sock and garter shows a flat, ribbed garter fastened to an upwardly projecting tab at the center of the upper edge of the sock, said tab having a pair of slits through which, by appropriate fastenings, the garter is firmly fixed to the tab.

The Gaines disclosure is not in the record but the Examiner stated in substance that it showed a combination of a garter and a sock.

Appellant argues that it cannot be disputed that he has submitted a new design and that its production required invention. He argues that the questions of novelty, originality, and invention are all questions of fact which must be determined from the evidence. He argues that a design, if it produces a new and pleasing effect and if the value of the subject to which it is applied is increased, sufficiently satisfies the requirements of the law as to invention and novelty.

The statute which authorizes the granting of a design patent, section 4929 of the revised statutes (35 U. S. C. 73), requires that the design to be inventive must be new, original, and ornamental. Section 4893 of the revised statutes (35 U. S. C. 36) requires that the invention be sufficiently useful and important before the Commissioner is required to issue a patent therefor.

Every new design of an article of manufacture is not, as such, patentable. Many new designs do not contribute in the least to the ornamentation of an article of manufacture. It was the intent of the framers of the design patent law to encourage ornamentation and beautification in manufactured articles so as to increase their saleability and the enjoyment of their use by the public. Just what standards should be set up as to the extent of ornamentation or the degree of inventive faculty required has never been definitely expressed as far as we know by any judicial tribunal. If what appellant has done was measured by the standards required

to disclose the inventive faculty rather than mechanical skill when mechanical patents are under consideration, it would seem too obvious to permit of extended discussion that no invention rests in his production.

We are in agreement with the Board in its suggestion that attaching a garter to a conventional sock as appellant has done does not ornament the sock. We also are in agreement with it that no invention was required in giving the garter the ribbed effect as shown in the drawing. Surely it is tenuous to argue that making a drawing which shows that the garter used is made of elastic is such an ornamentation of a sock as satisfies the requirements of the patent law.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MYERS

No. 4,177. Decided June 19, 1939

[104 F.(2d) 391]

1. INVENTION—COMMERCIAL SUCCESS AS EVIDENCE OF.
"It is true, as argued by counsel for appellant, that where the question of invention is a doubtful one commercial success may be considered as evidence of invention. *In re Charles H. Peddrick, Jr., and Philip Wager Lewis*, 18 C. C. P. A. (Patents) 1161, 48 F.(2d) 415, 410 O. G. 813. However, where it clearly appears from the record that claims do not define patentable subject matter, commercial success of a claimed invention may not be considered. *In re Sola*, 22 C. C. P. A. (Patents) 1313, 1318, 77 F.(2d) 627, 461 O. G. 474."

2. PATENTABILITY—ROTARY DISK EDGING MACHINE.
Certain claims for a rotary disk edging machine *Held* unpatentable over the prior art.

3. SAME—MUST BE DETERMINED IN THE LIGHT OF THE REFERENCES OF RECORD.
"The question of the patentability of the appealed claims must be determined in the light of the references of record, not by comparing their similarities and dissimilarities with claims allowed by the Patent Office tribunals."

4. SAME—MAY NOT BE PREDICATED UPON MERE COMPACTNESS OR SIZE.
"Although we are unable to state definitely that the Peterson device is as compact as appellant's, the matter is unimportant, as patentability may not be predicated upon mere compactness or size."

APPEAL from Patent Office. Affirmed.

Mr. Raymond W. Colton (*Mr. Barton A. Bean, Jr., Mr. Edwin T. Bean, Mr. George F. Goodyear*, and *Mr. Conrad Christel* of counsel) for Myers.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 15 to 21, inclusive, in appellant's application for a patent for an alleged invention relating to improvements in rotary disk edging machines.

The involved application, filed February 14, 1936, is for the reissue of Patent No. 1,951,105, issued March 13, 1934, on an application filed February 3, 1933.

Claim 15 is illustrative of the appealed claims. It reads:

15. In a portable, manually liftable abrading or finishing machine, a motor therein, an abrading tool operatively connected to said motor to be driven thereby, means for positioning said abrading tool whereby only a selected portion thereof may momentarily contact with the work to be treated, and buffer means for contacting in non-marring relation with a surface at an angle to the surface being treated in substantially the same vertical plane as the leading edge of said abrading tool and formed and adapted to permit said abrading tool to operate upon the surface under treatment substantially up to said angular surface while withholding said abrading tool from contact with said angularly disposed surface.

The references are: Huyck, 1,086,368, February 10, 1914; Peterson, 1,650,035, November 22, 1927; Myers, 1,914,280, June 13, 1933.

The appealed claims relate to a portable surfacing machine for sanding or otherwise treating marginal portions of floors or other surfaces without danger of marring baseboards or other surfaces at right angles to the surfaces being treated.

Appellant's device is portable, manually liftable, and compact, and comprises a substantially flat abrading rotatable surfacing disk which is driven by a motor arranged over and above it, means for positioning the abrading disk whereby only "a selected portion thereof may momentarily contact" the surface being treated, a suction hood to receive dust, an exhaust fan connected to the suction hood, and a buffer means rotatable about the axis of the abrading disk "in substantially the same vertical plane as the leading edge of said abrading disk", so formed and adapted as to permit the abrading disk to operate upon the floor surface substantially up to a surface at right angles thereto, such as a baseboard, and prevent contact of the edge of the tool with the surface at right angles with the surface being treated.

The patent to Huyck relates to a floor surfacing and polishing machine, and discloses a motor for driving a rotary sanding or polishing head. It does not disclose a buffer means, and, although the device disclosed therein is portable in that it can be moved around, it is not manually liftable and in compact form as is appellant's.

The patent to Peterson relates to a portable motor-driven polishing and cleaning machine in compact form. The motor for driving the rotary sanding or abrading disk is located directly over the disk. The patent does not disclose a buffer. The device is provided with an adjustable wheel so as to "permit a light contact of one side of the working contacting element with the surface of the floor".

The reference patent to Myers, appellant's patent, relates, as stated in the patent, to a—

"rotary disc edging attachment for rotary drum sanding machines * * * [and] is adaptable for use in connection with conventional marketed types of rotary drum sanding machines."

Claim 4 is illustrative of the claims in that patent. It reads:

4. A structure of the class described comprising a portable surfacing head including a rotary driven shaft, a surfacing element operatively connected with said shaft, a dust collector unit partially surrounding said element, and a buffer mounted on said head for independent rotation with respect to said surfacing element, said buffer being of a proportion to permit its peripheral edge to project beyond the marginal portions of the surfacing element.

The claims here on appeal were rejected by the Patent Office tribunals on either the patent to Peterson or Huyck in view of appellant's Patent No. 1,914,280.

The Board of Appeals concurred in the views expressed in the decision of the Primary Examiner.

In view of the Primary Examiner's exhaustive discussion of the issues involved, we deem it proper to quote in extenso from his decision:

Claims 15 to 21 inclusive were rejected as not being patentable over either one of patents to Peterson and Huyck in view of patent to Myers. These claims seem to define no substantial or patentable distinction over either one of the patents to Peterson and Huyck in any particular other than the buffer (applicant's part 34) which prevents the edge of the sanding tool from contacting and damaging a surface at right angles to the surface being sanded. Applicant has already been granted a patent (the Myers patent cited above) *for the combination of his buffer and a portable sanding tool and the Examiner fails to see that applicant has produced any additional patentable invention by applying his buffer to other specifically different but old constructions of portable sanding machines.* It seems obvious from the patents themselves that the buffer 72 of the Myers patent is adapted to be used with other machines such as those of the Peterson and Huyck patents *and the rejected claims in this application would apparently have to depend for patentable novelty over the prior art upon the same invention as that covered by the broadest claims in the Myers patent because the specific differences in the sanding machine set forth in the finally rejected claims seem to involve no patentable novelty in themselves in view of patents to Peterson and Huyck* and such differences are not responsible for any cooperative relation between the buffer and sanding machine that is not old in the Myers patent. All that the buffer does at any time is to act as a stop to prevent the operator from moving the edge of the tool against a surface that it would mar.

Peterson shows that it is old to make the machine of a compact form by arranging the motor directly above the sanding disk, to shape the active disk surface as a relative flat cone, to provide supports 48 to facilitate holding the machine in a tilted position so that only a small area of the sanding disk face is in contact with the work and to provide a guard and dust collecting housing around the disk tool.

Applicant's expedient of arranging the peripheral edge of the buffer in substantial vertical alinement with the edge of the sanding disk and cutting away part of the dust collecting hood to expose the edge of the buffer is part of the teaching and consideration for which his Patent 1,914,280 was granted. It is not apparent how applicant can again rely on such features to support a second patent that would expire at a later date than his first patent and deprive the public of using such features in an obvious way by applying them to Peterson's old construction of portable machine in which they would accomplish only what they accomplish in Myers' machine of his Patent 1,914,280.

To support the use of the Myers patent as a reference the Examiner cited *Ex Parte Chapman* 329 O. G. 263, which seems to support the practice stated as follows:

"An applicant cannot obtain a second patent for an invention already patented to him, and this is true whether the application for the already-granted patent was filed before or after the filing of the application for the second patent."

"If with applicant's prior patent and the other prior art placed before him nothing but ordinary mechanical skill is necessary to produce the device for which applicant is seeking a second patent, he has made no second invention and is not, therefore, entitled to a second patent."

Patent to Huyck also shows a similar portable machine and an example of the common practice in the art of connecting a suction fan and conduit with the dust hood that covers the sanding disk and no invention is seen in applying the buffer of Myers patent to Huyck's machine. The combination of the buffer with a suction hood, conduit and exhaust fan is also disclosed in the Myers patent.

Compactness or size alone was not considered to involve invention in the case of *In Re Einstein*, 406 O. G. 287; 46 F.(2d) 373; 1931 C. D. 165. [Italics ours.]

Claim 15 calls for "means for positioning said abrading tool whereby only a selected portion thereof may momentarily contact" the surface being treated.

The Board of Appeals held that Peterson discloses means, an adjustable wheel, for positioning his abrading tool so that only a selected portion of it would contact the surface being treated.

Counsel for appellant state in their brief that Peterson—

"did not appreciate, as does the appellant, that he could dispense entirely with such an adjusting means and allow the entire weight, other than that resting on the fixed rollers 48, to rest directly upon the abrading surface."

It appears from the Peterson patent that the patentee's rollers for positioning his abrading tool are so placed that they will prevent the abrading disk from treating marginal portions of a floor close to the baseboard or other surface at right angles to the surface being treated, and it is contended by counsel for appellant that by "eliminating any support in front of the abrading disk" appellant made an unobvious improvement over the prior art, particularly when the elimination of such support is considered in connection with the buffer means; that the application which matured into the Myers reference patent was copending with the application which matured into the Myers Patent No. 1,951,105, for which the involved application is for a reissue; that, therefore, the Myers reference patent is a proper reference only for what is claimed therein, and not for matters merely disclosed therein; that the Patent Office tribunals rejected the appealed claims on the disclosures in the Huyck and Peterson patents in view of the disclosure, rather than the claims, in the Myers reference patent; and that as affidavits of record establish that appellant's device has met with outstanding commercial success, any doubt that the appealed claims define patentable subject matter should be resolved in favor of appellant.

It will be observed that quoted claim 4 of the Myers reference patent defines a portable surfacing head, a rotary driven shaft, a surfacing element operatively connected with the shaft, a dust collector, and a buffer—

"mounted on said head for independent rotation with respect to said surfacing element, said buffer being of a proportion to permit its peripheral edge to project beyond the marginal portions of the surfacing element."

Although the claims in that patent do not include a motor, a motor is disclosed in each of the patents to Huyck and Peterson. It is apparent, therefore, that appellant has combined the buffer means and other elements set forth in the claims of the reference patent to Myers with other old elements disclosed in the patent to Peterson, except that appellant's means (rollers) for positioning his abrading disk, instead of being in front of the abrading disk, as are the rollers in the Peterson structure, are placed so as to permit the abrading disk to come in close proximity with a baseboard or other surface at right angles to the surface being treated.

It is apparent, we think, that this change in the prior art structure would be obvious to one skilled in the art.

It is evident from the decisions of the Patent Office tribunals that the appealed claims were rejected on the disclosures in the patents to either Huyck or Peterson in view of the claims in appellant's patent—the reference patent to Myers.

That the tribunals of the Patent Office had a right to consider the patentability of the appealed claims in the light of the disclosures in the patents to Huyck and Peterson in view of the subject matter claimed in the Myers reference patent, is well settled. *In re Burge*, 25 C. C. P. A. (Patents) 1058, 1062, 96 F.(2d) 314, 496 O. G. 270.

[1] It is true, as argued by counsel for appellant, that where the question of invention is a doubtful one commercial success may be considered as evidence of invention. *In re Charles H. Peddrick, Jr., and Philip Wager Lewis*, 18 C. C. P. A. (Patents) 1161, 48 F.(2d) 415, 410 O. G. 813. However, where it clearly appears from the record that claims do not define patentable subject matter, commercial success of a claimed invention may not be considered. *In re Sola*, 22 C. C. P. A. (Patents) 1313, 1318, 77 F.(2d) 627, 461 O. G. 474.

Although it appears in the instant case that appellant's device has met with commercial success, it further appears that his application discloses patentable subject matter, as he has been allowed fourteen claims, and it may be that the commercial success with which the device has met is due to the efficiency of the structure defined in the allowed claims.

[2] We are of opinion, as were the Patent Office tribunals, that the claims here on appeal do not define patentable subject matter over the disclosures in either the patent to Peterson or that to Huyck in view of the claimed subject matter in the reference patent to Myers—appellant's prior patent.

[3] Counsel for appellant have devoted considerable space in their brief to a comparison of the appealed claims with the allowed claims. However, the question of the patentability of the appealed claims must be determined in the light of the references of record, not by comparing their similarities and dissimilarities with claims allowed by the Patent Office tribunals. *In re McCabe*, 22 C. C. P. A. (Patents) 877, 880, 74 F.(2d) 758, 455 O. G. 265.

Counsel for appellant also argue that appellant's device is distinguishable from the devices disclosed in the references in that it is compact, portable, and manually liftable.

[4] The patent to Peterson discloses a compact device, and, although we are unable to state definitely that the Peterson device is as compact as appellant's, the matter is unimportant, as patentability may not be predicated upon mere compactness or size. *In re Thomas B. Bennett*, 17 C. C. P. A. (Patents) 1113, 40 F.(2d) 755, 398 O. G. 708; *In re Sol Einstein*, 18 C. C. P. A. (Patents) 885, 46 F.(2d) 373, 406 O. G. 287; *In re Wilms*, 20 C. C. P. A. (Patents) 896, 63 F.(2d) 355, 431 O. G. 4.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FREEMAN

No. 4,176. Decided June 5, 1939

[104 F.(2d) 187]

DIVISION—BETWEEN SUBCOMBINATION CLAIMS.

Upon appeal from a requirement for division between four groups of claims in an application for a patent for an alleged invention relating to ornamenting machines for use in the manufacture of shoes *Held* "that the subcombinations defined in the claims in each of the four groups here on appeal are not restricted either in design or operation to any particular machine; that they involve separate and independent inventive sets, and are not so related as to entitle them to be claimed in the same application."

APPEAL from Patent Office. Affirmed.

Mr. Charles E. Riordon and *Mr. C. Russell Riordon* for Freeman.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office requiring division between four groups of claims in appellant's application for a patent for an alleged invention relating to ornamenting machines, for use in the manufacture of boots and shoes, which simultaneously perforate and mark shoe parts. The perforations form ornamental designs, which may simulate stitching, and the markings may be used as a guide for subsequent operations on the shoe parts. The markings are made with ink or its equivalent.

Group 1 includes claims 1 to 11, inclusive, and 37 to 42, inclusive. Group 2 includes claims 12 to 16, inclusive. Group 3 includes claims 17 to 24, inclusive, and 33 to 36, inclusive. Group 4 includes claims 25 to 32, inclusive.

Claims 1 and 40 are representative of group 1; claim 12, group 2; claim 17, group 3; claim 25, group 4. They read:

1. In an ornamenting machine having a die, and a pressure member opposed to said die, the combination with means to hold and unwind a roll of backing material for the die, means to rewind said material into a roll, and means to move said holding means from its normal position of rest, to facilitate application of the roll of material thereto.

40. In an ornamenting machine of the class described, a work support, an ornamenting die, a die carriage mounted for movement into and out of an aligned operating position, means to apply ink to said die during said movement; means to effect a relative movement between said die and said work support; means to hold and unwind a roll of backing material for the die, means to rewind said material into a roll, means to move said holding means and said rewinding means from normal positions of rest, to facilitate application and removal of the roll of backing material, means to synchronize movements of said unwinding and rewinding means with the relative movement between the die and work support and with movements of the die carriage, means to detachably mount and lock the die on said carriage, and means cooperative with said mounting and locking means to restrain the means for effecting relative movement from operation, when the die is not locked to its carriage.

12. An ornamenting machine of the class described comprising a work support, an ornamenting die effective to place a marking medium on a work piece on said support, means to apply the marking medium to said die, and means to control the degree of contact between said die and applying means whereby to ensure application of the proper amount of marking medium to said die.

17. In an ornamenting machine of the class described, a pressure member, a die carriage mounted for movement into and out of an aligned operating position relative to said pressure member, means to actuate said carriage, and means to actuate said pressure member through an operating stroke, control means for initiating operation of the support actuating means, comprising a cam roll on said carriage and a cam shaft having a cam positioned in the path of movement of said roll, and connections from said cam shaft to said support actuating means operable by movement of said cam shaft.

25. An ornamenting machine comprising a work support, a die holder and a die, means to detachably mount said die on said holder and lock the die in position, mechanism providing relative movement between said support and holder to effect an ornamenting operation, and means cooperative with said mounting and locking means to lock said mechanism when the die is unlocked, comprising a member slidable into the path of the die and a member actuatable by the die to control movement of said slidable member.

The claims on appeal are subcombination claims. Claims 37 to 42, inclusive, differ from the other appealed claims in that, as stated in the brief of counsel for appellant, they include "elements culled from" each of the groups of subcombination claims.

In his decision of August 15, 1936, the Primary Examiner stated that the following references were made of record: Evans et al., 1,499,608, July 1, 1924, 101–3; Freeman, 1,990,598, February 12, 1935, 101–316; Freeman, 2,035,956, March 31, 1936, 101–316; Ford, 1,745,531, February 4, 1930, 101–335; Glass, 1,808,812, June 9, 1931, 101–335; Gebhardt, 1,411,011, March 28, 1922, 101–383; Bartel, 1,708,687, April 9, 1929, 101–383.

In the Examiner's statement to the Board of Appeals, October 1, 1937, those references were cited, and the reference patent to Freeman, No. 1,990,598, issued to appellant February 12, 1935, which relates to a combined perforating and marking die, was described and its operation explained. None of the appealed claims were finally rejected as unpatentable in view of the references. Accordingly, the references need not be discussed here.

In his decision, the Primary Examiner expressed the view that claims 37 to 42, inclusive, were for "unpatentable associations of several features", and, therefore, were placed in group 1 for convenience only. The Examiner divided the claims into five groups, and required division between those groups of claims. He stated that the claims in group 1 relate to winding and rewinding mechanism, and that appellant's machine would operate with any winding or rewinding mechanism; that the claims in group 2 relate to features of the inking mechanism for marking, that the marking elements specified in that group of claims might be inked in any appropriate manner and by any suitable mechanism, and that the functioning of the machine was not affected by adjustment of the inking device; that the claims in group 3 are drawn to a die carriage operating and control mechanism, that the control means in those claims does not in anyway affect the operation of the machine, and that if they were removed the machine would operate as was to be expected; that the claims in group 4 relate to interlocking safety features to prevent operation of the machine except when the die is securely in place, and that such interlocking feature has no other bearing on the operation of the machine; and that the claims in group 5 relate to locking means for securing the die to the carriage, and that such die securing means, except as it cooperates with the interlocking safety device of group 4, serves only as a fastening means and has no other function.

It may be said at this point that the Board of Appeals combined the claims in the Primary Examiner's groups 4 and 5, and held that division should not be required between those two groups of claims. To that extent only, the Board reversed the decision of the Examiner.

It appears from the Examiner's letter of August 15, 1936, that the winding and rewinding mechanism defined in claims 1 to 11, inclusive, in group 1 is classified in the United States Patent Office in class 101, subclass 316; that the inking mechanism defined in the second group of claims, Nos. 12 to 16, inclusive, is classified in class 101, subclass 335; that the operating and control mechanism for the die carriage, defined in the third group of claims, is classified in class 101, subclass 316; that the interlocking features, defined in claims 25 to 29, inclusive, in group 4, are classified in class 101, subclass 316; and that the locking means for securing the die to the carriage, defined in claims 30 to 32, inclusive, in group 4, are classified in class 101, subclass 383. It thus appears that the elements defined in claims 1 to 11, inclusive, in group 1, those defined in the claims in group 3, and those defined in claims 25 to 29, inclusive, in group 4 are classified in the same subclass of class 101.

In its original decision, dated April 8, 1938, the Board of Appeals stated, among other things, that—

Broadly, the improvements relate to different subcombinations of a printing machine. As we understand, with the exception of groups 4 and 5, appellant does not contend that if all the subcombinations were applied to an existing machine any one would affect the operation of any other. We also do not understand that he contends that if he took out separate patents on the subcombinations, the patents would be invalid because each would not cover a complete invention.

By way of illustration, we believe it is clear that the improvement in the inking mechanism covered by the claims of group 2 (classified by the Examiner in class 101, subclass 335) would not in any way affect the means for securing the die to the carriage of group 5 (classified in subclass 383).

We think it is also true that the presence or absence of the winding and rewinding mechanism covered by certain claims of group 1 would not affect the subcombinations of groups 2 and 5. We also consider that the use of the safety device of group 4 does not in any way affect the operation of the inking mechanism or the winding and rewinding mechanism. It is true that the subject matter of groups 1, 3 and 4 apparently are classifiable in the same subclass. That, however, does not indicate that these improvements are interdependent. Subclass 316 is in the nature of a miscellaneous subclass for certain types of printing machines and includes any subcombinations for machines of that type which do not fall within any of the subcombination subclasses. Presumably, as the art develops other subclasses may be formed, within which various other subcombinations will be classifiable.

It has long been recognized that many of the subcombinations of printing machines have acquired a distinct status in the art and that separate patents should be taken out on these subcombinations. We can see no reason why the various subcombinations of appellant's disclosure should be examined and perhaps patented in the same case. To permit this to be done we are satisfied would be contrary to the long-established practice of this Office and of the Courts.

The Board also stated in its decision that it considered the subject matter of claims 37 to 42, inclusive, as unpatentable, and as having been rejected as an unpatentable association of features by the Primary Examiner.

In a memorandum in support of a petition for rehearing and reconsideration of the Board's original decision, counsel for appellant stated that appellant contended that—

"every subcombination affects the operation of the die, and hence it follows that if any one of these features were omitted, the effect of the other features on the die operation might conceivably be varied";

that appellant stated on the hearing on appeal before the Board of Appeals that separate patents for each group of subcombination claims would not be invalid on the ground of double patenting, but that he did not believe that each group of claims defined a separate and complete invention; that the elements defined in the several groups of claims, when combined, contributed to a unitary structure; and that the question of the patentability of claims 37 to 42, inclusive, included by the Primary Examiner in group 1, was not before the Board for consideration.

In its second decision, dated April 23, 1938, the Board of Appeals stated that the subcombinations defined in each of the four groups of claims here on appeal have "acquired a distinct status in the art", and that it adhered to the views expressed in its original decision relative to the unpatentability of claims 37 to 42, inclusive, and to the requirement for division.

In a supplementary decision, dated April 27, 1938, the Board of Appeals stated:

Since writing our reply of April 23, 1938, to appellant's petition for reconsideration, it has occurred to us that, in holding that the Examiner intended to reject claims 37–42, inclusive, on the ground that they do not define a patentable combination, we have taken the position that the Examiner had made a piecemeal action on the merits of the claims. In view of this situation, we are now of the opinion that we should not have interpreted the Examiner's remarks in this manner.

We deem it necessary, however, to refer to at least one of the claims in the group under consideration. Claim 40 may be regarded as representative for this purpose. This claim includes the specific improvement in *the winding and unwinding means set forth in certain claims in group 1* and also the *specific safety means set forth in combined groups 4 and 5.* This claim, along with others, we believe to have been inserted into the case by applicant in an effort to show a patentable relationship between the specific matters of group 1 and combined groups 4 and 5. *It is true that claim 40 specifies in effect that the means for controlling the winding is synchronized with the movement of the die carriage; but in any printing machine the various parts must of course be synchronized with the other parts and we therefore can see no reason why this claim can be regarded as establishing a patentable cooperation between the winding and unwinding mechanism and the die support and safety means as claimed in different groups.* When an applicant files a case containing claims for various subcombinations, which are regarded by the Examiner as for separate inventions, and he requires division before action on the merits, we do not believe that the introduction of a claim containing a plurality of these subcombinations can be relied upon as a matter of course for forcing an action on the merits.

The petition is now granted to the extent that we withdraw our statement to the effect that the Examiner intended to reject claims 37–42 inclusive on the merits and we also withdraw any remarks indicating that we favor such a rejection. When these claims come before the Examiner for action on the merits, he should consider them without prejudice, except as to any bearing which he may believe the final decision on the requirement for division may have upon them. [Italics ours.]

It is contended here by counsel for appellant that the winding and rewinding mechanism, defined in claims 1 to 11, inclusive, in group 1, is operated in synchronized relation to the movements of the die; that the inking mechanism, defined in the claims in group 2, operates in timed relation with respect to the movements of the die; that the claims in group 3 relate to the die carriage and to mechanism for moving the die carriage and its die into proper operating positions, and also include control mechanisms for synchronizing the movement of the die and die carriage with respect to other parts of the machine; that the claims in group 4 relate to the detachable mounting of the die, to means to lock the die in position, and to means for locking the machine to prevent its operation when the die is unlocked from the die carriage; that "all of the groups fall in the same main class"; that "most of the groups will be examinable in the same subclass"; that the same examiner will handle all of the claims; that the several groups of claims do not define distinct and independent inventions; and that, therefore, the tribunals of the Patent Office erred in requiring division.

In support of their contentions, counsel for appellant rely upon our decisions in the cases of *In re Rupert E. Rundell*, 19 C. C. P. A. (Patents) 932, 55 F.(2d) 450, 419 O. G. 4; *In re Wilfred J. Hawkins*, 19 C. C. P. A. (Patents) 1104, 57 F.(2d) 367, 421 O. G. 551; and *In re Ferenci*, 23 C. C. P. A. (Patents) 1023, 83 F.(2d) 297, 468 O. G. 747.

In the case of *In re Ferenci*, supra, this court reviewed many authorities on the subject of division, including the decisions in the cases of *In re Rupert E. Rundell* and *In re Wilfred J. Hawkins*, supra, and said, inter alia:

It will be noticed in the above quotation [from the decision of the Board of Appeals] that there are two main reasons which brought the Board to the conclusion that the inventions were so unrelated as to prevent their being included in the same application: First, agreeable to the holding in *In re Creveling* • • • [46 App. D. C. 536] (although not cited), it is pointed out that the wrapping material severing means and the bread slicing machine "have each acquired a distinct status in the art"; second, it is intimated that the details of the subcombination claims "are adapted for use generally in other structures or combinations and their functions are well understood".

While we approve of the application of these two considerations in determining when two or more inventions may be "related" in respects heretofore referred to, we are not willing to say that the application of one or both of them may in every instance be determinative of the question. We think, however, that where a subcombination has acquired an independent status in the art, as is evidenced by patents being granted for the subject matter of such subcombination, and a separate examining division in the Patent Office is set up for its consideration, and where the subject matter of such combination is a matter of common understanding and is adapted for substantial, practical uses other than in, and independent of, the general combination, it ordinarily would not be regarded as being so related to the general combination as to entitle it to be claimed in the same application with the combination to which it belonged.

Obvious difficulties in making application of the foregoing principles in every instance where the question might arise would suggest that they should not be regarded as inflexible and indispensable criteria. In some of the cases involving this question, there might be no factual basis for the application of all the above principles, and yet the subcombinations there involved might clearly be unrelated to the other claimed subject matter.

The views above expressed are, in part, very clearly and succinctly stated at page 465 of the Journal of the Patent Office Society, Volume 1, No. 9, in an article by C. H. Pierce, and we quote therefrom as follows:

• • • it is believed to be the more modern doctrine and practice that where an element or subcombination which is claimed in the same case with a combination of which it forms a part, even if that combination be new, is clearly capable of use apart from the combination and in other relations and not restricted in its design, operation and capabilities to use therewith, and if in addition there is a developed state of the art in relation to it, constituting a different field of activity and search, division may be required without awaiting determination of the novelty of the combination.

In the case of *In re Ferenci*, supra, the requirement for division was between combination claims and subcombination claims; whereas, in the instant case there are no combination claims, and the requirement for division is between four groups of subcombination claims.

It appears from the decision of the Board of Appeals that subclass 316 in which the subcombinations defined in claims 1 to 11, inclusive, in group 1, those defined in the claims in group 3, and those defined in claims 25 to 29, inclusive, in group 4 are classified in the United States Patent Office is in—

"the nature of a miscellaneous subclass for certain types of printing machines and includes any subcombinations for machines of that type which do not fall within any of the subcombination subclasses,"

and that merely because certain of the involved subcombinations fall within that subclass "does not indicate" that they "are interdependent".

There is nothing of record to controvert that statement in the Board's decision. Furthermore, it may be said that, although the fact that subcombination claims are classified in the same subclass is a factor to be considered, it is not determinative of the propriety of a requirement for division. *In re Ferenci*, supra.

It further appears from the decision of the Board of Appeals that the subcombinations defined in each of the four groups of claims here on appeal are capable of use otherwise than in the combination of which they were intended to be made a part, and that they have acquired an independent status in the art.

Those statements in the Board's decision are not controverted by any evidence of record, and, therefore, must be accepted by us in a determination of the issues here involved.

In view of the related facts, it is evident, we think, that the subcombinations defined in the claims in each of the four groups here on appeal are not restricted either in design or operation to any particular machine; that they involve separate and independent inventive acts, and are not so related as to entitle them to be claimed in the same application. *In re Ferenci*, supra.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MILES LABORATORIES, INC.
v.
THE PEPSODENT COMPANY

No. 4,147. Decided June 5, 1939

[104 F.(2d) 205]

TRADE-MARKS—OPPOSITION — SIMILARITY OF MARKS—"PEPSO-SELTZER" AND "ALKA-SELTZER".

Trade-mark "Pepso-Seltzer" for use on an effervescent alkalizing preparation *Held* not confusingly similar to opposer's trade-mark "Alka-Seltzer" used upon substantially identical goods.

APPEAL from Patent Office. Affirmed.

BLAND, *J.*, specially concurring.

Mr. Charles R. Allen for Miles Laboratories, Inc.

Messrs. Parkinson and *Lane* (*Mr. Wallace R. Lane*, *Mr. George Mankle* and *Mr. J. Rex Allen* of counsel) for The Pepsodent Company.

LENROOT, *J.:*

This is an appeal in a trade-mark opposition proceeding wherein the United States Commissioner of Patents affirmed a decision of the Examiner of Interferences dismissing appellant's opposition to the registration of appellee's trade-mark, application for which was filed on June 27, 1936, under the Trade-Mark Act of February 20, 1905.

The trade-marks involved are

"PEPSO-
SELTZER"

registration of which appellee applied for, and appellant's trade-mark "Alka-Seltzer", sometimes used in a horizontal line and sometimes used as follows:

"ALKA-
SELTZER"

Appellant in its notice of opposition alleged registration of its mark in June, 1931; in said registration the mark appears in the following form:

"ALKA-SELTZER"

In its registration application appellee disclaimed the word "Seltzer" apart from the mark shown, and in appellant's registration the term "Seltzer" was disclaimed apart from the mark shown.

The marks of the respective parties are used upon substantially identical goods, viz, an "effervescent alkalizing" preparation.

Appellant alone took testimony.

The issue before the Patent Office was formed upon appellee's motion to dismiss appellant's notice of opposition, the ground being that—

"as appears from the face of the notice of opposition the trade-mark 'Pepso-Seltzer' of applicant is not deceptively or at all similar to • • • opposer's trade-mark 'Alka-Seltzer'."

Appellee elected to stand upon its motion to dismiss and waived the right to file an answer.

Only one question is before us for determination, viz, whether the marks of the respective parties are confusingly similar.

Appellant contends that its testimony shows nonuse by appellee of its mark, but as this matter is not pleaded in appellant's notice of opposition it will not be considered by us.

The Examiner of Interferences dismissed the notice of opposition, holding that when the marks of the parties are considered in their entireties it must be concluded that their concurrent use in trade would not be likely to result in confusion.

Upon appeal the Commissioner affirmed the decision of the Examiner of Interferences, stating:

The only question for determination is whether or not the involved marks are so similar as to be likely to confuse the public or to deceive purchasers. I am clearly of the opinion that they are not. In each mark the word "Seltzer" is the name of the goods; and it seems to me that the prefixes "Pepso" and "Alka" are so widely different in all respects as to render the marks in their entireties sufficiently dissimilar to insure against any reasonable probability of confusion.

Appellant challenges the statement of the Commissioner that "the word 'Seltzer' is the name of the goods" and insists that there is nothing in the record warranting this conclusion. While the Commissioner may have been in error in that his statement was too broad, we are clear that the word "Seltzer" is descriptive of the character of the goods upon which appellant's mark is applied, and this word, standing alone, would be barred from registration under section 5 of said Trade-Mark Act because descriptive.

Funk & Wagnalls New Standard Dictionary defines "Seltzer" as follows:

An effervescing alkaline mineral water, originally from Nieder Selters, a village in Prussia.

It is a matter of common knowledge that the word is used, both alone and in combination, applied to effervescing waters and preparations.

It is therefore our opinion that the portion of each mark consisting of the word "Seltzer" would furnish no indication to purchasers of the origin of the goods, and when such word is used in combination with another, non-descriptive, word or term, the latter would be the dominant part of the mark and would be relied upon to indicate origin of the goods to which the mark is applied.

In our decision in the case of *American Brewing Co., Inc.*, v. *Delatour Beverage Corporation, etc.* 26 C. C. P. A. (Patents) —, 100 F.(2d) 253, we said:

* * * It is true that the general rule is that marks should be regarded in their entirety, including disclaimed words, but we do not think it could well be argued that disclaimed descriptive words could ever constitute the dominant part of a mark.

In the case of *Beckwith* v. *Commissioner of Patents*, 252 U. S. 538, 546, 274 O. G. 613, the Court said:

* * * a disclaimer on the part of applicant that no claim is made to the use of the words "Moistair Heating System" apart from the mark as shown in the drawing and as described, would preserve to all others the right to use these words in the future to truthfully describe a like property or result of another system, provided only that they be not used in a trade-mark which so nearly resembles that of the petitioner "as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers" when applied "to merchandise of the same descriptive properties" (§ 5).

It is clear to us that anyone has the right to use the disclaimed word "Seltzer" in a descriptive way, if descriptive of his merchandise, and appellant may not rely upon the word "Seltzer" in its mark as indicating origin of its goods; and, when used in combination with the word "Alka" the latter would be considered by purchasers as the dominant portion of the mark indicating origin.

To hold otherwise would result in appellant having practically a monopoly of the word "Seltzer" in a trade-mark.

We hold that in appellant's mark "Alka-Seltzer" the term "Alka" is the dominant portion thereof, and the term "Pepso" is the dominant portion of appellee's mark.

While it is true that in comparing trade-marks used upon goods of the same descriptive properties they must be considered in their entireties, it is not true that equal importance must in all cases be given to every part of a mark. To so hold could result in the destruction of valuable trade-marks by adding descriptive words thereto.

In the case of *Younghusband* v. *Kurlash Co., Inc.*, 25 C. C. P. A. (Patents) 886, 94 F.(2d) 230, 492 O. G. 8, we said:

It is familiar doctrine that, in determining the question of confusing similarity of marks, they must be considered as a whole, but it does not follow that portions of marks which are similar must be given equal weight with portions of marks which are dissimilar. In the case of *Yeasties Products, Inc.*, v. *General Mills, Inc.*, 22 C. C. P. A. (Patents) 1215, 77 F.(2d) 523, the marks "Yeasties" and "Wheaties" were involved, applied to goods not identical, but nevertheless possessing the same descriptive properties. We there said:

It is evident from the record, and no claim is made to the contrary, that appellee is not the exclusive owner of the suffix "ies". Accordingly, if the word "Yeast", of appellant's mark, is sufficiently dissimilar with the word "Wheat", of appellee's mark, so that, when considered as a whole, the marks are not confusingly similar, appellant is entitled to the registration of its mark. * * *

We are in accord with the decisions of the Patent Office tribunals that confusion in trade is not likely in the use by the parties hereto of their respective trade-marks.

Appellant contends that the record shows that appellee, before adopting its mark, had knowledge of appellant's mark, and endeavored to hire some of appellant's employees in the manufacture of appellee's goods.

The fact that appellee had prior knowledge of appellant's mark is immaterial, for appellee had the right to use the word "Seltzer" to describe its goods and to use it in combination with another term, so long as its mark as a whole indicated origin in appellee and was not confusingly similar to the mark of appellant, and its use of the word "Seltzer" cannot be held to be evidence of a desire to profit by confusion with appellant's mark. Also, the mere fact that appellee endeavored to hire some of appellant's employees does not evidence any improper motive of appellee in adopting its mark.

Appellant's counsel have brought to our attention certain decisions of district courts of the United States wherein certain other trade-marks were held to be confusingly similar with appellant's mark. It is sufficient to say that, in so far as they may be pertinent to the issues here involved, we have given them consideration in arriving at our conclusion.

Upon oral argument before us the question was raised of whether the issue here involved had become moot by reason of the fact that in another opposition proceeding it has been finally determined that appellee is not entitled to registration of its mark upon the application here involved.

In the case of *The Pepsodent Co.* v. *Pepsinic Seltzer Co.*, 26 C. C. P. A. (Patents) —, 103 F.(2d) 362, we affirmed a decision of the Commissioner of Patents sustaining the opposition there involved and holding that appellee here was not entitled to register its mark upon the application here involved. Appellant was not a party to that proceeding and we do not think it may be considered here further than to say that, in affirming the decision of the Commissioner upon the record before us, we do not hold that appellee's application must be allowed. This will be a matter for ex parte consideration by the Patent Office when appellee's application comes before it for final action, when our decision in the case of *Pepsodent Co.* v. *Pepsinic Seltzer Co.*, supra, may be considered.

For the reasons herein stated, the decision of the Commissioner is affirmed.

Affirmed.

BLAND, *J.* (specially concurring):

I concur in the conclusion of the majority only because I am of the opinion that taking the trade-marks as a whole the terms "Alka-Seltzer" and "Pepso-Seltzer" are not so similar that there would be likelihood of confusion by their concurrent use.

I am out of harmony with the views of the majority which hold that the words "Alka" and "Pepso"

are the dominant portions of the respective marks and with the statement, supported by this court's decision in *American Brewing Co., Inc.*, v. *Delatour Beverage Corporation, etc.*, 26 C. C. P. A. (Patents) —, 100 F.(2d) 253, to the effect that descriptive words could never constitute the dominant portion of a mark. The dominant portion would seem to be that portion which would be most noticeable and would dominate over the other portions of the mark. It is needless to call attention here to the fact that the commerce of our country employs countless marks, the dominant portions of which are descriptive. Usually such a mark indicates origin by reason of the fact that it as a whole is not confusingly similar to other marks. We must look at the mark as a whole. It is true that in doing so we have a right to analyze its different features in order to properly consider the characteristics of the mark.

U. S. Court of Customs and Patent Appeals

IN RE HOWARD

No. 4,157. *Decided June 5, 1939*

[104 F.(2d) 196]

PATENTABILITY—BRUSH AND METHOD OF MAKING SAME. Certain claims for a brush and certain claims for a method of making same *Held* unpatentable over the prior art, and certain of said claims *Held* not supported by applicant's disclosure.

APPEAL from Patent Office. Affirmed.

Messrs. Bates, Golrick and *Teare* (*Mr. Albert R. Teare, Mr. Walter F. Liesegang* and *Mr. Donald A. Gardiner* of counsel) for Howard.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for the reasons hereinafter stated, claims 14, 15, and 18 to 21, inclusive, of appellant's application for a patent. Claims 16 and 17 were allowed.

Claims 14 and 18 are illustrative of the involved claims and read as follows:

14. A method of making a paint brush comprising forming a tuft, placing it between two mold cavities so that a portion of the tuft enters each cavity, filling the cavity with plastic material, applying sufficient heat and pressure to the material so as to make the handle a one-piece structure which extends in the same general direction as the bristles and so as to force the material to enter the interstices between the bristles, and thereby unite the handle to the tuft.

18. A brush comprising a handle made of a thermo-plastic, substantially non-elastic material, a socket integrally formed within said handle, a tuft of hairs within said socket and extending a substantial distance beyond the forward edge of said socket, said tuft of hairs being clampingly held between the forward edges of said socket.

The cited references are: Estabrook, 135,415, February 4, 1873; Read, 372,385, November 1, 1887; Dennin, 826,408, July 17, 1906; Contencin (French), 632,987, October 18, 1927; Simmons, 1,875,167, August 30, 1932; Carpenter, 2,075,570, March 30, 1937.

Claims 18 to 21, inclusive, were copied by appellant from the patent to Carpenter.

Appellant's alleged invention is concisely described in the Examiner's statement as follows:

Applicant's invention relates to the art of brush making, and particularly to that type of brush wherein bristle butts are secured in a molded plastic composition such as rubber or phenolic condensate, which is capable of being deformed under pressure and heat, and the molded plastic mass used as the handle for the brush. Applicant preforms a bristle tuft within a metal ferrule and lays the preformed tuft in one section of a mold, then fills the halves of the mold with the moldable material, and superimposes one of the halves of the mold upon the other half, when, upon sufficient application of heat and pressure, the composition handle is formed and the material thereof is forced through the openings in the ferrule into the bristles, and also into the interstices between the butts of the bristles, resulting in a molded handle brush. The process and the general product thereof are quite old and common and are shown generally in the art of record. * * *

The patents to Simmons and Estabrook do not seem to have any relevancy to the questions before us, and therefore require no discussion.

The patent to Read relates to brushes and a method of making the same; a tuft of bristles is formed, the butts of which bristles are cemented together; this tuft is brought into register with the grooved end of a suitable handle, and around the joint thus formed is wound a strip of unvulcanized rubber; the joint of the brush head and handle is then placed in a mold and is there subjected to heat and pressure, causing the rubber to be forced "hard upon and around the butts of the brush fibers and also into the grooves and around the head of the handle".

The patent to Dennin shows, in the manufacture of a brush, the application of plastic material under pressure to fill the spaces around the butt ends of the bristles.

The patent to Contencin discloses a process for making shaving brushes. The bundle of bristles is placed in a mold; the mold is then turned head downward and in the opposite end a plastic material is placed which flows downward about the bristles, which adhere to said material.

The patent to Carpenter shows a brush the handle of which is made of a thermo-plastic material, preferably hard rubber. In the forward end of the handle a socket is formed into which is placed a tuft of hairs which has been dipped in a thermo-plastic cement material. The socket end of the handle is then heated until it becomes moderately plastic, after which it is squeezed between the jaws of a pressing device, which impresses thereon a slight channel and at the same time forces the edges of the handle inwardly to clamp the hairs more securely in place. The completed brush is then cooled. The patent states:

* * * It may be further noted that the retaining edges 7 and 8, as shown in Figure 1, are curved slightly outwardly so that when the clamping pressure is applied at 6, this outward curve will be reversed and tend to curve inwardly, whereby to clamp the tuft of hairs more securely in place.

* * * Furthermore, the forward retaining edge of the hair-retaining portion of the brush lends itself to a strong clamping action such as cannot ordinarily be achieved in metal ferrule brushes. * * *

It will be obvious that the term "thermo-plastic substance", as used in the specification, is intended to cover all that class of solid substances which are relatively hard and rigid at ordinary temperatures, but which become plastic upon heating.

Claim 14 was rejected by the Examiner as unpatentable over the patent to Contencin, in view of the patent to Dennin.

The remaining claims were rejected by the Examiner as not reading upon appellant's disclosure. The Examiner further held that if said claims were

to be construed as appellant claims, they would read upon the cited prior art.

The Board of Appeals affirmed the decision of the Examiner without separate discussion of claim 14. In its decision the Board stated:

> * * * It is difficult to see wherein the disclosure of the present application differs in any way from what is shown by the Read patent. Obviously, if the term "clampingly" used in the claims copied from the Carpenter patent be construed as broad enough to cover a construction wherein the handle is united to the tuft of hairs by a molding operation, accompanied by pressure, they would be met by the prior art. It seems to us that the operative relationship set up by the Carpenter claims is a different one than involved in a molded structure.

It will thus be seen that, while the Examiner rejected claim 14 on Contencin in view of Dennin, the Board seemed to be of the opinion that appellant's disclosure differs in no way from what is shown in the Read patent. We are in agreement with this view.

Appellant contends that inasmuch as Read uses an unvulcanized rubber cement, his disclosure differs from that of appellant in a material way; that unvulcanized rubber has elastic properties, while plastic material, which is not elastic, is used by appellant.

We would observe that appellant's disclosure does not use the term "plastic" or "thermo-plastic". Nevertheless, it is stated that sawdust rubber or a phenolic condensate capable of being deformed under temperature or pressure is used, from which we may infer that the material is plastic or may be made so under temperature. However, if it be true, as appellant's counsel asserts, that unvulcanized rubber is elastic, we call attention to the fact that in the patent to Read one step of the process is the vulcanizing of the unvulcanized rubber. Moreover, we are not satisfied that the assertion that unvulcanized rubber is elastic is correct. If the quality of unvulcanized rubber is a matter of common knowledge, of which we may take judicial notice, we call attention to the following:

In "Cellulose, Cellulose Products and Artificial Rubber", by Bersch, at page 311, it is stated:

> With reference to their properties, elastic rubber masses are a medium between rubber vulcanized in the ordinary way and hard rubber, and by a suitable change in their quantitative compositions, they may be made either harder or more elastic.

In Van Nostrand's Scientific Encyclopedia, page 973, it is stated:

> Unvulcanized rubber in pseudo solution is used as adhesive. Vulcanized rubber is remarkable for its resistance to abrasion, its flexibility, elasticity, * * *.

We are in agreement with the view of the Board of Appeals that appellant's disclosure does not differ in any patentable sense from that of the Read patent, and we also agree with the Examiner that claim 14 is unpatentable over the French patent to Contencin in view of the patent to Dennin.

We are also in agreement with the view of both Patent Office tribunals that claims 15 and 18 to 21, inclusive, are not supported by appellant's disclosure. Each of these claims contains the element of the tuft of hairs or bristles being clampingly held within the socket. As hereinbefore noted, claims 18 to 21, inclusive, were copied from the patent to Carpenter. Appellant insists that there is no difference between his disclosure and that of Carpenter with regard to the element of clamping. This cannot be agreed to. Carpenter positively discloses that the edges of the socket adjacent the tuft of hairs are originally curved slightly outwardly so that, when the clamping pressure is applied, this outward curve will be reversed and tend to curve inwardly, "whereby to clamp the tuft of hairs more securely in place". Appellant's disclosure does not in any way describe this element, nor does it use the term clamping at all.

The Carpenter patent thus differs from appellant's disclosure, and the element of clamping is clearly defined in the former, but not in appellant's disclosure.

Whether this element disclosed and claimed in the Carpenter patent lends patentability to the claims copied by appellant therefrom we need not here inquire, for appellant's application does not disclose the element which supports the element of clamping in the Carpenter patent.

We are also of the opinion that appellant is no more entitled to use the word "clamping" in his claim than Read or Dennin would have been in their respective disclosures, and if they had so used it these claims in appellant's application would not have been patentable over said patents.

We are in full agreement with the Board of Appeals in its view that, to construe the claims as broadly as appellant urges, so as to read upon his disclosure, would render them unpatentable over the cited prior art, while the clamping specifically disclosed in the Carpenter patent is not shown in the prior art.

For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WITHINGTON

No. 4,163. Decided June 5, 1939

[104 F.(2d) 192]

PATENTABILITY—MARKED TOOL HANDLES

Claims for marked tool handles *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Frank M. Slough (*Mr. Donald A. Gardiner* of counsel) for Withington.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office which affirmed a decision of the Examiner rejecting, in view of the prior art, all of the article claims, 8 to 13 inclusive, in appellant's application for an alleged invention relating to methods and apparatus for marking tool handles and like articles and to the articles so marked.

Claim 8 is illustrative of the appealed claims and reads as follows:

> 8. An elongated wood or the like rounded handle having an emblem on a portion of its outer surface, said portion extending curvilinearly for a substantial distance around the circumference of the handle, and the emblem carrying portion comprising portions of the surface depressed inwardly to provide a background and undepressed portions projecting upwardly from the background, the undepressed portions characterizing the emblem and projecting sufficiently from the background to be subjected to the abrasive action of wear and the background being relatively recessed whereby said undepressed portions protect the background portion from wear and maintain the emblem legible over long periods of use of the handle.

The references are: Bacheller et al., 1,228,736, June 5, 1917; Van Veen, 1,694,955, December 11, 1928.

The application discloses a marking on long handles, such as hoe, rake, or shovel handles, made by depressing the material around the desired marking, so that the mark appears raised to the level of the original surface. The depressed material may be inked to form a contrasting background for the letters appearing on the mark.

The patent to Bacheller relates to a machine adapted to mark golf balls with the name of the owner. The letters of the name are depressed into the cover of the balls and preferably inked.

The patent to Van Veen relates to machines which operate to mark or brand articles with characters of any desired sort. The specification discloses wooden handles as one of the said articles. The marking is depressed and made with a heated die which produces a color difference by charring.

The Examiner rejected the appealed claims for want of invention over either of the references holding that it is immaterial to patentability whether the character or the surrounding background be depressed. The Board affirmed this holding.

Appellant contends that neither of the references discloses anything by means of which his article can be produced. However, both the references produce marked articles with contrasting colors. The Van Veen patent discloses the marking of a wooden handle. While it is true that in both references the marks are depressed, we agree with the patent tribunals that whether the characters are depressed or appear to be raised by reason of the depressed surrounding substance, this difference is immaterial as far as this application is concerned, particularly in view of the fact that the specification of appellant states that the mark or design may be either intaglio or cameo. Since appellant's disclosure appears to treat intaglio and cameo marks as equivalents we are unable to see how he can successfully urge the patentability of a claim specific to one equivalent when the other is clearly shown in the prior art. *In re Ayres*, 23 C. C. P. A. (Patents) 1118, 83 F.(2d) 297, 471 O. G. 247; *In re McKee*, 22 C. C. P. A. (Patents) 1010, 75 F.(2d) 635, 457 O. G. 245; *In re McKee*, 25 C. C. P. A. (Patents) 1064, 96 F.(2d) 294, 496 O. G. 563.

We have carefully considered the record and briefs herein but can see no reason why the decision of the Board should be reversed.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE TRUSLOW

No. 4,175. Decided June 5, 1939

[104 F.(2d) 203]

PATENTABILITY—PROCESS OF MANUFACTURING COTTON YARN.

Claims for a process of manufacturing cotton yarn *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Jeffery, Kimball and *Eggleston* (*Mr. H. G. Kimball* and *Mr. O. W. Jeffery* of counsel) for Truslow.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office which affirmed a decision of the Examiner rejecting, in view of the prior art all of the process claims 8 to 10 inclusive in an application for an alleged invention for improvement in the manufacture of yarn. Several apparatus claims were allowed.

Claim 8 is illustrative of the involved subject matter and is as follows:

> 8. The process of manufacturing cotton yarn which comprises reducing drawing frame sliver to roving form by continuously applying draft thereto in one passage of successive stages, one of the earlier stages imparting a draft materially higher than any later stage, winding the roving on bobbins and spinning yarn from such bobbined roving.

The reference relied upon is: Gminder (British), 348,079, May 6, 1931.

Several other patents are printed in the record and appellant comments upon them. However, since none are mentioned in the decisions of the Patent Office in connection with the involved claims it is unnecessary to consider them.

The application relates to the manufacture of cotton yarn with particular reference to the drafting of cotton sliver and forming it into roving. The drafting is accomplished with the greatest draft being applied in one of the earlier of continuous, successive stages.

The reference relates to a drawing method and drawing apparatus for producing high drafts in the manufacture of yarn and discloses a drawing apparatus of two stages with a twister tube between them for giving the material a false twist. From the last drawing stage the material may be spun directly into yarn.

Appellant relies upon two points chiefly to sustain his contention that the Patent Office erred in its decisions, one being that he found if the greatest portion of the drafting is performed in the initial stage the roving will have greater uniformity and make stronger yarn, the other is that he found by so drafting, an improvement of about 2% is made in the yarn strength or "break test".

A high initial draft is disclosed in the reference, an example being given of a draft in the order of 10 in the first stage and of 12 in the second stage. The reference shows that Gminder departed from conventional drafting methods, where, according to the Examiner, the initial draft is on the order of

to be construed as appellant claims, they would read upon the cited prior art.

The Board of Appeals affirmed the decision of the Examiner without separate discussion of claim 14. In its decision the Board stated:

> * * * It is difficult to see wherein the disclosure of the present application differs in any way from what is shown by the Read patent. Obviously, if the term "clampingly" used in the claims copied from the Carpenter patent be construed as broad enough to cover a construction wherein the handle is united to the tuft of hairs by a molding operation, accompanied by pressure, they would be met by the prior art. It seems to us that the operative relationship set up by the Carpenter claims is a different one than involved in a molded structure.

It will thus be seen that, while the Examiner rejected claim 14 on Contencin in view of Dennin, the Board seemed to be of the opinion that appellant's disclosure differs in no way from what is shown in the Read patent. We are in agreement with this view.

Appellant contends that inasmuch as Read uses an unvulcanized rubber cement, his disclosure differs from that of appellant in a material way; that unvulcanized rubber has elastic properties, while plastic material, which is not elastic, is used by appellant.

We would observe that appellant's disclosure does not use the term "plastic" or "thermo-plastic". Nevertheless, it is stated that sawdust rubber or a phenolic condensate capable of being deformed under temperature or pressure is used, from which we may infer that the material is plastic or may be made so under temperature. However, if it be true, as appellant's counsel asserts, that unvulcanized rubber is elastic, we call attention to the fact that in the patent to Read one step of the process is the vulcanizing of the unvulcanized rubber. Moreover, we are not satisfied that the assertion that unvulcanized rubber is elastic is correct. If the quality of unvulcanized rubber is a matter of common knowledge, of which we may take judicial notice, we call attention to the following:

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We are in full agreement with the Board of Appeals in its view that, to construe the claims as broadly as appellant urges, so as to read upon his disclosure, would render them unpatentable over the cited prior art, while the clamping specifically disclosed in the Carpenter patent is not shown in the prior art.

For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

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JACKSON, *J.:*

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Several other patents are printed in the record and appellant comments upon them. However, since none are mentioned in the decisions of the Patent Office in connection with the involved claims it is unnecessary to consider them.

The application relates to the manufacture of cotton yarn with particular reference to the drafting of cotton sliver and forming it into roving. The drafting is accomplished with the greatest draft being applied in one of the earlier of continuous, successive stages.

The reference relates to a drawing method and drawing apparatus for producing high drafts in the manufacture of yarn and discloses a drawing apparatus of two stages with a twister tube between them for giving the material a false twist. From the last drawing stage the material may be spun directly into yarn.

Appellant relies upon two points chiefly to sustain his contention that the Patent Office erred in its decisions, one being that he found if the greatest portion of the drafting is performed in the initial stage the roving will have greater uniformity and make stronger yarn, the other is that he found by so drafting, an improvement of about 2% is made in the yarn strength or "break test".

A high initial draft is disclosed in the reference, an example being given of a draft in the order of 10 in the first stage and of 12 in the second stage. The reference shows that Gminder departed from conventional drafting methods, where, according to the Examiner, the initial draft is on the order of

1.2 to 1.5. The Examiner held, and the Board affirmed his holding, that since Gminder so materially changed his procedure from the said conventional method and that the difference between the order of 10 and the order of 12 is so slight, it would be obvious to those skilled in the art to either increase the first order or correspondingly decrease the succeeding order. We can perceive nothing inventive in making the said increase or decrease. Such change is merely a matter of degree once the conception of the high initial draft has been shown to result in improvement over the said conventional method.

As far as the gain of 2% in the "break test" of the yarn over the strength of yarn made by the conventional drafting is concerned, it seems clear to us that, if in fact such improvement in the yarn is made, it is due to the initial heavy draft. Since this is shown in the reference a similar gain we think would be made in yarn produced by the Gminder method.

In claim 10 numerical values for the draft are given as—

"including a final stage which imparts a draft in the order of 3.5 and an earlier stage which imparts a draft in the order of 6 * * *."

These values were held not to be critical by both tribunals below, the Board stating that there is—

"no mention of the speed of the high draft rolls or the twister or twister speed, nor what draft is used in the other draft stages."

Since there are more than two drafting stages provided for in the application and no numerical draft values are set out in claim 10 except as to the final stage and some one earlier stage we are of opinion that the said values cannot be considered as critical. Moreover, we think that the values set out in claim 10 do not avoid the Gminder reference in a patentable sense for the reason that they change in degree of draft only.

Appellant also contends that the patent to Gminder does not have reference to cotton yarn. It is true that the patent does not mention working on cotton but it does mention the treatment of short and soft fibre, such as cotton, as contrasted with the treatment of long, hard fibre, such as bast. In any event, the process of appellant is not patentable merely because it is applied to a different material. *In re Laughlin*, 18 C. C. P. A. (Patents) 1239, 48 F.(2d) 921, 411 O. G. 9; *In re Williams*, 24 C. C. P. A. (Patents) 861, 87 F.(2d) 499, 481 O. G. 216; *Paramount Publix Corporation* v. *American Tri-Ergon Corporation*, 294 U. S. 464, 452 O. G. 701.

We are of opinion that the appealed claims were properly held unpatentable over the cited reference and accordingly the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,437,701. (See 1,710,348.)

1,447,449, K. Wessel, Machine for treating flax straw, filed Aug. 4, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 23, *L. O. Walker* v. *California Central Fibre Corp. et al.*

1,452,197, 1,465,629, R. B. Gilchrist, Drink mixer, filed Aug. 8, 1939, D. C. Minn., 4th Div., Doc. 172, *Scovill Mfg. Co.* v. *Strite Anderson Mfg. Co.*

1,465,629. (See 1,452,197.)

1,526,982, E. W. Hill, Stencil sheet, filed Aug. 2, 1939, D. C., S. D. N. Y., Doc. 5/23, *A. B. Dick Co.* v. *I. J. Kertes Co., Inc., et al.*

1,637,184, J. A. Guay, Friction clutch; 2,027,650, H. Nutt, Clutch plate; 2,119,025, H. V. Reed, same; 2,129,372, 1,659,289, D. E. Gamble, same, filed Aug. 4, 1939, D. C., E. D. Ill. (Danville), Doc. 68–D, *Borg-Warner Corp.* v. *Chefford Master Mfg. Co., Inc.*

1,643,255, H. W. O'Dowd, Thermostatically controlled valve mechanism; Re. 19,364, H. W. Price, Thermostatic gas control, filed Aug. 12, 1939, D. C., N. D. Ohio, E. Div., Doc. 19941, *Robertshaw Thermostat Co. et al.* v. *The Ajax Thermostatic Controls, Inc.*

1,659,289. (See 1,637,184.)

1,680,818, H. Steenbock, Antirachitic products and process; 1,871,136, same, Antirachitic product essence and process, suit for declaratory judgment filed Aug. 10, 1939, D. C., S. D. N. Y., Doc. 5/68, *Vitasol, Inc.*, v. *Wisconsin Alumni Research Foundation et al.*

1,710,348, 1,944,923, 1,944,924, J. H. Cohen, Cigar lighter; 1,710,531, same, Electrical device; 1,944,922, same, Igniting device for cigar-lighters; 1,919,159, F. C. Copeland, Cigar and cigarette lighter; 1,437,701, A. Zecchini, Electric lighter, filed Sept. 2, 1936, D. C., N. D. Ill., E. Div., Doc. 15336, *Casco Products Corp.* v. *Sinko Tool & Mfg. Co.* Memorandum opinion: Defendant has not infringed plaintiff's patents; Patent 1,437,701 of counterclaim held invalid July 5, 1939.

1,710,531. (See 1,710,348.)

1,724,569, R. M. Elliott, High chair structure, filed Aug. 7, 1939, D. C., E. D. Wis. (Milwaukee), Doc. 148, *The Lehman Co. of America, Inc.*, v. *Appleton Toy & Furniture Co.*

1,734,693. (See Re. 20,383.)

1,762,456. (See Re. 20,383.)

1,770,154, W. P. Day, Method of forming a reinforced concrete construction, filed July 19, 1939, D. C., N. D. Ohio, E. Div., Doc. 19929, *The International Vibration Co.* v. *National Engineering & Contracting Co. et al.*

1,837,781, A. J. Linder, Saddle; 2,083,060, R. W. Faulhaber, Saddle and method of making same, D. C., N. D. Ohio, W. Div., Doc. E 1614, *The Troxel Mfg. Co.* v. *R. W. Faulhaber.* Dismissed Aug. 8, 1939.

1,839,590 (*a*), H. V. Reed, Friction clutch, filed Aug. 7, 1939, D. C., E. D. Mo. (St. Louis), Doc. 291, *Borg-Warner Corp.* v. *Wagner Electric Corp.*

1,839,590 (*b*), H. V. Reed, Friction clutch; 2,078,276, same, Clutch plate; 2,101,410, Nutt & Reed, same, filed Aug. 4, 1939, D. C., N. D. Ohio, E. Div., Doc. 19936, *Borg-Warner Corp.* v. *The Accurate Parts Mfg. Co.*

1,842,247, J. M. Clark, Fastener attaching machine, filed Aug 4, 1939, D. C. Conn. (New Haven), Doc. 152, *Universal Button Fastening & Button Co.* v. *Scovill Mfg. Co.*

1,863,871, G. H. Packwood, Jr., Dispenser, filed Aug. 11, 1939, D. C., E. D. Mo. (St. Louis), Doc. 295, *G. H. Packwood Mfg. Co.* v. *St. Louis Janitor's Supply Co.*

1,871,136. (See 1,680,818.)

1,905,442, F. Coors, Jr., Method of producing motion picture film, filed Aug. 8, 1939, D. C., S. D. N. Y., Doc. 5/46, *Eastman Kodak Co.* v. *Agfa Ansco Corp.*

1,919,159. (See 1,710,348.)

1,921,280, J. F. Blake, Combination check and gate valve, filed Aug. 3, 1939, D. C., N. D. Okla. (Tulsa), Doc. 212, *A. B. Blake* v. *Wheatley Bros. Pump & Valve Mfg. et al.*

1,944,922. (See 1,710,348.) 1,944,923. (See 1,710,348.)

1,944,924. (See 1,710,348.)

2,020,271, R. J. Winsor, Road-working machine, filed Aug. 7, 1939, D. C., S. D. Ind. (Indianapolis), Doc. 151, *The Gallon Iron Works & Mfg. Co.* v. *Indiana Equipment Co., Inc.* Same, D. C., N. D. Ohio, E. Div., Doc. 19939, *Caterpillar Tractor Co.* v. *Gallon Iron Works & Mfg. Co.*

2,027,650. (See 1,637,184.)

2,059,090, V. W. Cornelius, Combination napkin container and advertisement holder, filed Aug. 3, 1939, D. C., S. D. Calif., C. Div., Doc. 497–H, *V. Cornelius* v. *W. Kofeldt et al.*

2,067,791, S. N. Sager, Hand protector, filed July 12, 1939, D. C., S. D. Ind. (Indiana), Doc. 137, *S. N. Sager* v. *The Glove Corp.*

2,078,276. (See 1,839,590 (*b*).)

2,083,060. (See 1,837,781.)

2,101,410. (See 1,839,590 (*b*).)

2,119,025. (See 1,637,184.) 2,129,372. (See 1,637,184.)

2,136,255, P. A. Scanlon, Supporting and elevating means for overhead units, filed Aug. 10, 1939, D. C., W. D. Pa., Doc. 470, *P. A. Scanlon* v. *Surface Combustion Co., Inc.*

2,156,251, J. Carlson, Adjustable and washable lady's hat, filed Aug. 11, 1939, D. C., S. D. N. Y., Doc. 5/73, *J. Carlson* v. *Betmar Hats, Inc.*

2,157,408, C. B. Greenberg, Spring bar, filed Aug. 3, 1939, D. C., S. D. N. Y., Doc. 5/29, *C. B. Greenberg* v. *Jewelers Findings Co., Inc.* Same, filed Aug. 10, 1939, D. C., S. D. N. Y., Doc. 5/59, *C. B. Greenberg* v. *M. J. Lampert & Sons, Inc.*

2,161,514. (See Des. 92,313.)

2,163,524, L. G. Arpin, Hair curling device, filed Aug. 8, 1939, D. C., S. D. N. Y., Doc. 5/47, *L. A. Arpin* v. *Rollocurl Corp. et al.*

Re. 17,393. (See Re. 18,852.)

Re. 18,841. (See Re. 18,852.)

Re. 18,852 (of Re. 18,841 and Re. 17,393), J. Mayer, Hair waving appliance, D. C., S. D. Calif. (Los Angeles), Doc. E 1111–M, *The Philad Co.* v. *W. N. Vanatta.* Claims 2, 3, 4, and 5 of Re. 18,841 held valid and infringed, and claims 2, 8, 9, and 10 of Re. 17,393 held infringed; injunction Aug. 5, 1939.

Re. 19,364. (See 1,643,255.)

Re. 19,463. (See Re. 20,383.)

Re. 20,383 (of 1,734,693), K. Ripper, Film-forming composition and process for manufacturing same. Re. 19,463 (of 1,762,456), same, Making condensation products of urea and aldehyde, filed Aug. 10, 1939, D. C., E. D. Mich. (Detroit), Doc. 1364, *American Cyanamid Co.* v. *Reichhold Chemicals, Inc.*

Des. 92,313, J. Martin, Bed couch; 2,161,514, same, Studio couch, filed Aug. 9, 1939, D. C., E. D. N. Y., Doc. 559, *U. S. Cabinet Bed Co.* v. *Superior Felt & Bedding Co., Inc.*

Des. 111,248, H. L. Forman, Propelled vehicle, filed Aug. 11, 1939, D. C., S. D. N. Y., Doc. 5/79, *H. L. Forman* v. *American Express Co. et al.*

Des. 115,887, H. Bayor, Dress, filed Aug. 3, 1939, D. C., S. D. N. Y., Doc. 5/26, *Malbec Frocks, Inc.*, v. *Perky Frox, Inc.*

T. M. 280,116, The Packard Electric Co., Electric insulated wire, filed Aug. 10, 1939, D. C. R. I., Doc. 26, *General Motors Corp.* v. *The Crescent Co.*

Adjudicated Patents

(C. C. A. Mo.) Killian patent, No. 1,605,445, for machine for manufacturing thin-rubber articles, *Held* valid, and claims 1, 8, 9, 11, and 15 to 20 *Held* infringed. *Dean Rubber Mfg. Co.* v. *Killian*, 106 F.(2d) 316.

(D. C. Ill.) Hall patent, No. 1,668,503, for massage and cleansing cream and method of preparing the same, *Held* invalid. *Hall* v. *Duart Sales Co.*, 28 F. Supp. 838.

(D. C. N. Y.) Schick patent, No. 1,721,530, for shaving implement, claim 9 *Held* not infringed, and claims 13 to 17, 19, and 20 *Held* valid and infringed. *Schick Dry Shaver* v. *R. H. Macy & Co.*, 28 F. Supp. 1013.

(D. C. N. Y.) Schick patent, No. 1,747,031, for shaving machine, claim 1 *Held* not infringed. *Id.*

(D. C. N. Y.) Schick patent, No. 1,757,978, for shaving machine, claim 1 *Held* valid and infringed. *Id.*

(D. C. N. J.) Tilden patent, No. 1,867,118, for connection for water closet combinations, claims 1, 2, and 5 *Held* invalid. *Tilden* v. *Standard Sanitary Mfg. Co.*, 28 F. Supp. 775.

(D. C. Del.) Swan patent, No. 2,046,219, for safety razor, claims 2, 3, 4, and 7 *Held* invalid. *Patents, Inc.*, v. *Gillette Safety Razor Co.*, 28 F. Supp. 666.

(D. C. N. Y.) Goldring patent, No. 2,070,399, for container and carrier for bottled goods, claims 3 and 4 *Held* not infringed. *Keith* v. *Charles E. Hires Co.*, 28 F. Supp. 825.

(D. C. N. Y.) Keith patent, No. 2,094,744, for bottle carrier, claims 1 and 2 *Held* not infringed. *Id.*

(D. C. Ohio) Scott and Scott reissue patent, No. 16,048, for production of show cards, advertisements, signs, decorations or the like by stenciling, *Held* valid and infringed. *Ceramic Process Co.* v. *Cincinnati Advertising Products Co.*, 28 F. Supp. 794.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,057,733, R. J. Noble, Manufacture of rubber-bonded abrasive articles, decided October 26, 1939, claims 6, 7, and 8.

Pat. 2,123,166, Alick Clarkson, Steam generating system, decided October 25, 1939, claim 1.

Pat. 2,124,972, Edward Engel, Cabinet ironer, decided October 20, 1939, claim 4.

Pat. 2,125,850, A. E. Norris, Vacuum cleaner muffler, decided October 23, 1939, claims 1, 4, and 5.

Pat. 2,137,642, J. F. Cavanagh, Fastener-applying implement, decided October 23, 1939, claims 5, 9, 15, and 16.

Pat. 2,154,046, H. W. Kost, Fastening clip for cables or the like, decided October 23, 1939, claims 1, 2, and 3.

Disclaimers

1,700,246.—*Alfred Woelm*, Berlin, Germany. STEP-BY-STEP LEAD PENCIL. Patent dated January 29, 1929. Disclaimer filed October 12, 1939, by the assignee, *Penmac Corporation.*

Hereby enters this disclaimer to claim 33 in said specification.

2,085,871.—*Theodore H. Schoepf* and *David M. Ritchie*, Cincinnati, Ohio. MAGNETIC TRACK BRAKE SYSTEM. Patent dated July 6, 1937. Disclaimer filed October 21, 1939, by the assignee, *The Westinghouse Air Brake Company.*

Hereby enters this disclaimer to claim 1 of said patent.

2,085,873.—*Theodore H. Schoepf* and *David M. Ritchie*, Cincinnati, Ohio. MAGNETIC TRACK BRAKE SYSTEM. Patent dated July 6, 1937. Disclaimer filed October 21, 1939, by the assignee, *The Westinghouse Air Brake Company.*

Hereby enters this disclaimer to claims 3, 4, 5, and 7 of said patent.

Changes in Classification

Order No. 3,490, October 27, 1939, directs:

In *class 68, Textiles, Fluid Treating Apparatus* (Division 27), abolish the following subclass with its definition:

Implements
221 Dampeners.

The patents formerly contained in this subclass have been placed for the most part in class 91, Coating, subclasses 62.5 and 62.6.

In *class 273, Amusement Devices, Games* (Division 62), abolish the following subclass with its definition:

Balls
66 Ball retrievers.

The patents formerly contained in this subclass have been placed for the most part in class 294, Handling, Hand and Hoist-Line Implements, subclass 19.

In *class 280, Land Vehicles* (Division 10), establish the following subclass and definition:

Wheeled
Articulated
Vehicle train
Draft devices
Coupling
33.17 Ball and socket.

33.17. Where the coupling comprises a ball and socket.
Note.—See classes 285, PIPE JOINTS OR COUPLINGS, subclass 91 and indented subclasses, and 287, ROD JOINTS OR COUPLINGS, subclasses 21 and 87 and indented subclasses.

The patents contained in this subclass have been taken for the most part from class 280, subclass 33.15.

In *class 16, Miscellaneous Hardware* (Division 20), subclass 110, in note (3) following the reference to class 42, Firearms, insert:

43—FISHING, TRAPPING AND VERMIN DESTROYING, subclass 23.

In *class 30, Cutlery* (Division 24), subclass 196, add the following note:

(3) Note.—See this class, subclass 258, for single blade and slot cutters which cut out a narrow strip of material.

In *class 38, Textiles, Ironing or Smoothing* (Division 27), subclass 77, cancel notes (2) and (3) and substitute:

(2) Note.—See class 68, TEXTILES, FLUID TREATING APPARATUS, appropriate subclasses, particularly subclass 5 and indented subclasses, for steam applying machines, and subclass 222 for steam applying implements.
(3) Note.—See class 91, COATING, appropriate subclasses, for fabric coating machines and implements, including those which coat with water.
(4) Note.—See class 299, FLUID SPRINKLING, SPRAYING AND DIFFUSING, for sprinkling, spraying and diffusing devices per se disclosed for applying liquids to textiles.

In *class 68, Textiles, Fluid Treating Apparatus* (Division 27), subclass 213, add the following notes:

(1) Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, subclasses 123–140, for implements which are also capable of use in applying liquids to fabrics for dampening.
(2) Note.—See class 91, COATING, particularly subclasses 62.5 and 62.6, for coating devices for dampening fabrics.
(3) Note.—See class 299, FLUID SPRINKLING, SPRAYING AND DIFFUSING, appropriate subclasses, for spraying or sprinkling devices for dampening fabrics, particularly subclass 103 for the shaker type.

In *class 101, Printing* (Division 17), subclass 415.1, in note (1) add *131.5, 132, 132.5.*

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 14, 1939

[VOL. 508 No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 421,390. NEWPORT INDUSTRIES, INC., Pensacola, Fla. Filed July 8, 1939.

ZIKOL

For Zinc-Treated Rosin Solution in Petroleum Solvent.
Claims use since Oct. 12, 1938.

CLASS 2

Receptacles

Ser. No. 415,828. BOSTON ENVELOPE COMPANY, doing business as Boston Drinking Cup Company, Dedham, Mass. Filed Feb. 9, 1939.

Laurel

For Paper Drinking Cups.
Claims use since Apr. 22, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 419,049. TEKNISKA AKTIEBOLAGET FLORA, Gavle, Sweden. Filed May 3, 1939.

Florodol

For Soap and Soap Powder.
Claims use since 1905.

Ser. No. 421,043. VERNON B. HUNT, doing business as Tidy House Products Co., Des Moines, Iowa. Filed June 28, 1939.

tidy house

For Liquid Silver Polish, Window Cleaner, Rug and Upholstery Shampoo, Laundry Soap, Wallpaper Cleaner, Sanitary Bowl Flush, Scouring Powder, Painted Surface Cleaner, Toilet Soap, Dry Cleaning Fluid of Solvent Type and Having a Carbon Tetrachloride Base, and Chemically Treated Polishing Cloths.
Claims use since June 9, 1939.

Ser. No. 423,143. ROBERT P. RICH, doing business as Rich Laboratories, Indianapolis, Ind. Filed Aug. 30, 1939.

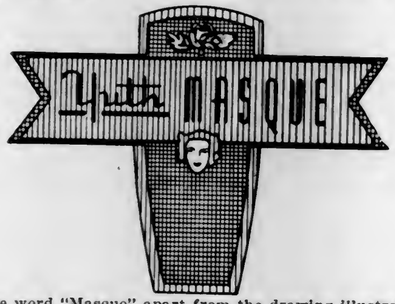


The drawing is lined for red. No claim is made to the words "Cleans Most Everything" apart from the mark.
For Shampoo Type Cleaner Applied to Upholstery, Rugs or Fabrics, Woodwork, Painted Walls, and Automobiles.
Claims use since Jan. 16, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 404,414. ELEANOR M. MCMILLAN, doing business as McMillan Quality Products Co., Detroit, Mich. Filed Mar. 23, 1938.



The word "Masque" apart from the drawing illustrated is disclaimed. The drawing is lined for pink and black.
For Facial Pack in Paste-Like Form.
Claims use since June 1, 1937.

Ser. No. 416,292. KAWAHARA CO., Los Angeles, Calif., and Honolulu, Territory of Hawaii. Filed Feb. 21, 1939.



The word "Aifu" appearing in the drawing is a coined word and has no meaning. Translation of the large Japanese characters appearing in the drawing is "Aifu".
For Preparation for Relieving Stomach and Intestinal Diseases.
Claims use since Jan. 1, 1916.

Ser. No. 418,165. MORTON G. NEUMANN, Chicago, Ill. Filed Apr. 12, 1939.



The word "Hair" is disclaimed apart from the mark.
For Hair Dressing Pomade, Hair Oil, Brilliantine, and Hair Ointment.
Claims use since July, 1936.

Ser. No. 418,393. SHULTON, INC., New York, N. Y. Filed Apr. 17, 1939.



The figures are fanciful. Applicant disclaims the words "Mount Vernon" apart from the mark.
For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, or Solid Form; Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Jan. 3, 1939.

Ser. No. 418,509. BEALO COSMETIC PRODUCTS, INC., New York, N. Y. Filed Apr. 21, 1939.



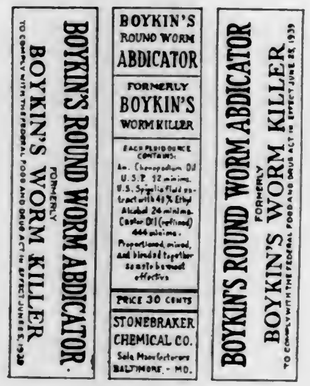
The word "Pine" is disclaimed apart from the mark.
For Bath Tablets.
Claims use since Mar. 22, 1939.

Ser. No. 420,429. PURITAN COMPRESSED GAS CORPORATION, Kansas City, Mo. Filed June 12, 1939.



The portrait is fanciful.
For Gases Prepared for Medical Purposes, Including Carbon Dioxide, Ethylene, Hydrogen, Helium, Cyclopropane, Nitrous Oxide, Oxygen, and Various Mixtures Thereof.
Claims use since Sept. 15, 1934.

Ser. No. 420,798. FERNAND G. AMEDEE, doing business as Stonebraker Chemical Company, Baltimore, Md. Filed June 22, 1939. Under ten-year proviso.



For Preparation for the Removal of Round Worms in Children, Boys, Girls, and Adults.
Claims use since May 8, 1884.

Ser. No. 420,906. J. L. HOFFMAN COMPANY, Allentown, Pa. Filed June 24, 1939.

BLAKSOL

For Fowl Medicine Designed to Aid in Preventing Blackhead in Turkeys and Coccidiosis in Chickens.
Claims use since Apr. 27, 1938.

Ser. No. 422,064. MCKAY-DAVIS COMPANY, Toledo, Ohio. Filed July 28, 1939.

HED-AID

For Seltzer Tablets.
Claims use since Mar. 7, 1938.

Ser. No. 422,066. NATIONAL WAX COMPANY, Chicago, Ill. Filed July 28, 1939.

FETHERZIP

For Wax Composition Suitable for Use for Defeathering Fowl or De-Hairing Animals.
Claims use since Oct. 28, 1938.

Ser. No. 422,201. FRANKLIN J. DRIVNESS, doing business as Franklin Chemical Co., Rochester, N. Y. Filed Aug. 2, 1939.

TRIG

For Alkaline Powdered Water Softener Having Incidental Cleaning Properties.
Claims use since Apr. 1, 1938.

Ser. No. 422,447. GEORGE A. MORTY COMPANY, Miami, Fla. Filed Aug. 9, 1939.

FLEAMASTER

For Insecticides Used on Domestic Animals.
Claims use since July 21, 1939.

Ser. No. 422,765. ROBERT C. WHITE, Falls of Schuylkill, Philadelphia, Pa. Filed Aug. 17, 1939.

Car-so-nets

For Plain Uncoated Compressed Medicinal Tablets Used as an Absorptive, Antidyspeptic, and Antacid.
Claims use since Feb. 15, 1918.

Ser. No. 422,802. AMERICAN RUST ERADICATOR CO., Auburn, N. Y. Filed Aug. 21, 1939.

ARECO

For Preparation for Use in Removing Rust and Stains from Metal.
Claims use since July 1, 1939.

Ser. No. 422,909. SAMUEL REED, doing business as Reedo Medicine Company, Wilmington, Del. Filed Aug. 23, 1939.

REEDO

For Dog Medicines—Namely, a Preparation for Treatment of Mange and a Tonic for Loss of Appetite.
Claims use since Jan. 1, 1929.

Ser. No. 422,917. EDWARD STRECKER, New York, N. Y. Filed Aug. 23, 1939.

Cinderella

For Face Powder, Lipstick, Face Rouge, Cleansing Cream, Cold Cream, Foundation Cream, Astringent Lotion, Nail Polish, Liquid Nail Polish Remover, Tissue Cream, Mascara, Eye Shadow, Hand Lotion, Hair Shampoo, Muscle Oil and Perfumes.
Claims use since Aug. 1, 1939.

Ser. No. 423,091. ENDO PRODUCTS, INC., New York, N. Y. Filed Aug. 29, 1939.

MANIBEE

For Preparation Used in the Treatment of Vitamin B Deficiency Conditions.
Claims use since Aug. 1, 1939.

Ser. No. 423,115. THE PRESERVALINE MANUFACTURING CO., New York, N. Y. Filed Aug. 29, 1939.

PRESCURE

For Meat Curing Salts and Meat Curing Liquids.
Claims use since 1936 on meat curing salts; since May 9, 1939, on meat curing liquids.

Ser. No. 423,124. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Aug. 30, 1939.

EXTRAX

For Parasiticides.
Claims use since Aug. 16, 1939.

Ser. No. 423,226. MORTON MANUFACTURING CORPORATION, doing business as Budwell Pharmacal Company, Lynchburg, Va. Filed Sept. 1, 1939. Under 10-year proviso.

BUDWELL'S

For Emulsion of Cod Liver Oil.
Claims use since 1894.

Ser. No. 423,235. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 1, 1939.

DALCODRIN

For Sedative, Expectorant, and Bronchial Medicament.
Claims use since Aug. 29, 1939.

Ser. No. 423,282. MARK VANDERWART, doing business as Cossack Products, New York, N. Y. Filed Sept. 2, 1939.

COSSACK



For Stomach Bitters.
Claims use since Nov. 1, 1914.

Ser. No. 423,347. THE WELLA CORPORATION, New York, N. Y. Filed Sept. 6, 1939.

Kolestral

For Preparation Used in the Treatment of Dry and Brittle Hair.
Claims use since January, 1936.

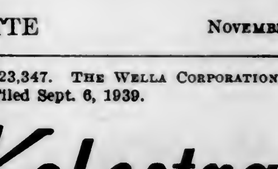
Ser. No. 423,369. C. H. BOEHRINGER SOHN, Ingelheim-on-the-Rhine, Germany. Filed Sept. 7, 1939.

Azoman

For Preparation in Ampule Form Used as a Circulation Treatment.
Claims use since June 22, 1939.

Ser. No. 423,441. THE SINCLAIR MANUFACTURING COMPANY, Toledo, Ohio. Filed Sept. 8, 1939.

WHITE MONDAY



The word "White" is disclaimed apart from the mark.
For Bleaching and Disinfecting Solutions.
Claims use since July 29, 1937.

Ser. No. 423,578. SUNGAS COMPANY, Miami, Fla. Filed Sept. 13, 1939.

SUNGAS

For Bottled Gas.
Claims use since Mar. 30, 1934.

Ser. No. 423,799. COURTAULDS, LIMITED, London, England. Filed Sept. 21, 1939.

FIBROFIX

For Chemical Substances for the Treatment of Dyed Yarns and Fabrics, for the Purpose of Enabling Them to Retain their Colour.
Claims use since 1938.

Ser. No. 423,863. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 22, 1939.

RED DICE

The word "Red" is disclaimed apart from the mark.
For Enamel Adapted for Coating Finger Nails and Lipsticks.
Claims use since Aug. 22, 1939.

Ser. No. 423,953. IRRESISTIBLE, INC., Jersey City, N. J. Filed Sept. 26, 1939.

FLOWERSCOPE

For Perfume.
Claims use since Aug. 24, 1939.

Ser. No. 424,010. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Filed Sept. 28, 1939.

PEXTOSE

For Pharmaceutical Product in the Form of Granules, Tablets, and Solutions for Use in the Treatment of Diseases of the Stomach.
Claims use since Jan. 28, 1939.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 380,891. HIJO DE C. GISBERT TEROL, Alcoy, Spain. Filed July 10, 1936.

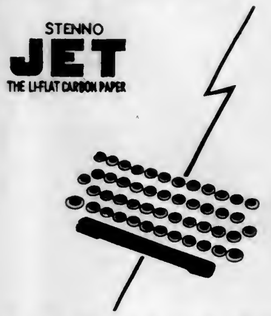


The representation of the wrapper and all wording except "Gol" are disclaimed apart from the mark.
For Cigarette Paper.
Claims use since July 29, 1927.

CLASS 11

Inks and Inking Materials

Ser. No. 415,571. STENNO RIBBON & CARBON MFG. CO., Portland, Oreg. Filed Feb. 3, 1939.



The words "Jet" and "The Li-Flat Carbon Paper" are disclaimed apart from the mark.
For Carbon Paper.
Claims use since Jan. 1, 1939.

CLASS 12

Construction Materials

Ser. No. 422,363. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Aug. 7, 1939.



No claim is made to the words "Best in Asbestos" apart from the mark.
For Asbestos Cements, Asbestos Papers, Asbestos Mill Board, Wool Felt Insulation, Furnace Coverings, Asbestos Boards, Slabs, Tiles, Sheets and Sidings, Wall Boards, Pipe Coverings, Block Insulation, Asbestos Lumber, Mineral Wool, Hair Felt, Magnesia Insulation Comprising Magnesium and Asbestos Fibre, and Composition Boards.
Claims use since Oct. 1, 1937.

Ser. No. 423,572. PEARL CITY PLYWOOD CO., INC., Jamestown, N. Y. Filed Sept. 13, 1939.



No claim is made to the word "Ply" apart from the mark.
For Plywood Panels.
Claims use since July 10, 1939.

Ser. No. 423,831. THE RUBBEROID CO., Bound Brook, N. J., and New York, N. Y. Filed Sept. 21, 1939.



For Roofings, Sidings, Tilings, Thermal Insulation Materials, and Bituminous Floor Coverings.
Claims use since May 1, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 417,057. THE HARTFORD PRODUCTS CORPORATION, Hartford, Conn. Filed Mar. 14, 1939.

Cafex

For Filter Rods and Strainers Therefor for Coffee Makers.
Claims use since Dec. 2, 1938.

Ser. No. 422,149. PACIFIC PIPE COMPANY, San Francisco, Calif. Filed July 31, 1939.

SPIRALOK

For Metal Pipe and Pipe Fittings.
Claims use since May 15, 1939.

Ser. No. 423,196. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Filed Sept. 1, 1939.

ENDWELDUR

For Base Metal Chain.
Claims use since Aug. 18, 1939.

Ser. No. 423,197. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Filed Sept. 1, 1939.

DURENDWELD

For Base Metal Chain.
Claims use since Aug. 23, 1939.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 423,501. LEBANON STEEL FOUNDRY, Lebanon, Pa. Filed Sept. 11, 1939.

PEDIGREED CASTINGS

The word "Castings" is disclaimed apart from the mark.
For Ferrous Metal Castings.
Claims use since Aug. 26, 1939.

CLASS 15

Oils and Greases

Ser. No. 421,878. HOBSON-MCFARLAND TRACTOR COMPANY, Kansas City, Mo. Filed July 24, 1939.



Applicant disclaims the word "Lubricants". The drawing is lined for green and yellow.
For Lubricating Greases.
Claims use since May 27, 1939.

Ser. No. 422,139. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio. Filed July 31, 1939.

DLOX

For Lubricating Oils and Greases, Lubricating Oil Compounds, and Motor Lubricating Oils.
Claims use since June 20, 1939.

Ser. No. 422,710. THE NATIONAL REFINING COMPANY, Cleveland, Ohio. Filed Aug. 17, 1939.

EN-AR-CO TRANS-GEAR LUBRICANT

The words "Gear" and "Lubricant" are disclaimed apart from the mark.
For Fluid Lubricant.
Claims use since Aug. 1, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 418,725. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

ANCHOR WHITE LEAD WORKS



CINCINNATI, O.

For White Lead, Both Dry and in Oil, and Oxides of Lead.
Claims use since 1828.

Ser. No. 418,726. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939.

ATLANTIC

For White Lead Both Dry and in Oil, Red Lead, Liquid Lead for Use as a Pigment, Linseed Oil and Dry Oxide of Lead.
Claims use since 1866.

Ser. No. 418,728. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

BRADLEY

For White Lead Both Dry and in Oil, Red Lead, Liquid Lead for Use as a Pigment, and Oxides of Lead.
Claims use since 1881.

Ser. No. 418,729. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

BROOKLYN WHITE LEAD CO., INCORPORATED 1825.



BROOKLYN WHITE LEAD COMPANY

NEW YORK

For White Lead, Dry and in Oil, and Oxides of Lead.
Claims use since 1861.

Ser. No. 418,730. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

COLLIER COMPANY

For White Lead Both Dry and in Oil, and Oxides of Lead.
Claims use since 1851.

Ser. No. 418,731. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

D. B. SHIPMAN

CHICAGO.

For White Lead, Dry and in Oil, and Oxides of Lead.
Claims use since 1870.

Ser. No. 418,736. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

JEWETT & SONS

For White Lead Both Dry and in Oil, and Oxides of Lead.
Claims use since 1857.

Ser. No. 418,740. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

PHŒNIX

For White Lead, Dry and in Oil, and Oxides of Lead.
Claims use since 1866.

Ser. No. 418,741. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

ROBERT COLGATE & Co

For White Lead Both Dry and in Oil, Red Lead, Liquid Lead for Use as a Pigment, Linseed Oil, and Dry Oxide of Lead.
Claims use since 1842.

Ser. No. 418,742. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

SOUTHERN COMPANY
ST. LOUIS & CHICAGO

For White Lead, Dry and in Oil, and Oxides of Lead.
Claims use since 1887.

Ser. No. 418,743. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939. Under 10-year proviso.

ST. LOUIS LEAD & OIL Co
RED SEAL BRAND
ST. LOUIS MO.

For White Lead Both Dry and in Oil, and Oxides of Lead.
Claims use since 1873.

Ser. No. 418,848. NATIONAL-BOSTON LEAD COMPANY, New York, N. Y. Filed Apr. 28, 1939. Under 10-year proviso.

SALEM LEAD CO.
SALEM, MASS.

For White Lead, Dry and in Oil, and Oxides of Lead.
Claims use since 1868.

Ser. No. 419,163. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed May 6, 1939.



No claim is made to the words "Africa" and "Europe" apart from the mark.
For Paints, Varnishes, Lacquers, Enamels, Synthetic Enamels, Surface Primers; Reducers for Paints, Varnish, Lacquer, and Enamel; Thinners for Paint, Varnish, Lacquer, and Enamel; Polishing Compounds, Waxes.
Claims use since March, 1902.

Ser. No. 420,037. MINNESOTA LINSEED OIL PAINT COMPANY, Minneapolis, Minn. Filed May 31, 1939.

MASTER GUILD

For Paints of All Kinds in Liquid and Paste Form and Varnishes.
Claims use since March, 1933.

Ser. No. 422,988. LOUIS A. DEMELY, doing business as Hycin Laboratories, Baltimore, Md. Filed Aug. 25, 1939.

PORCELENE

For Automobile Polish.
Claims use since April, 1937.

CLASS 17

Tobacco Products

Ser. No. 421,771. MAX GOLOFSKY, doing business as Rock Island Tobacco Company, Rock Island, Ill. Filed July 20, 1939. Under 10-year proviso.

PAPPOOSE

For Cigars, Cigarettes, and Chewing and Smoking Tobacco.
Claims use since January, 1880.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 396,063. ARNOLD, SCHWINN & COMPANY, Chicago, Ill. Filed Aug. 6, 1937.



For Bicycles.
Claims use since July 15, 1937.

Ser. No. 423,723. COLEMAN BOAT COMPANY, INC., New York, N. Y. Filed Sept. 19, 1939.

"Bounty"

For Sailboats With or Without Auxiliary Motors, Row Boats, and Skiffs.
Claims use since Sept. 8, 1939.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 422,850. BIRD & SON, INC., East Walpole, Mass. Filed Aug. 22, 1939.

LINOCHROME

For Floor Covering and Wall Covering of the Hard-Surfaced Flexible Type and Having a Wearing Layer of Plastic Material Consisting Essentially of Powdered Wood and Binder.
Claims use since Aug. 11, 1939.

Ser. No. 423,538. GEO. WEHN & Co., Pittsburgh, Pa. Filed Sept. 12, 1939.

Package-Plan

For Linoleum.
Claims use since Sept. 7, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 403,675. THE BRITISH VACUUM CLEANER & ENGINEERING COMPANY LIMITED, London, England. Filed Mar. 4, 1938.

GOBLIN

For Machinery of All Kinds and Parts of Machinery—Namely, Electric Floor Polishing Machines, and Vacuum Cleaning Machines.
Claims use since February, 1926.

Ser. No. 420,768. KABUSIKI KAISYA TYUOSEISAKUSYO, Nagoya-si, Japan. Filed June 21, 1939.

VERTORO

For Electrical Converters.
Claims use since Mar. 27, 1939.

Ser. No. 421,653. INDEPENDENT PNEUMATIC TOOL COMPANY, Chicago, Ill. Filed July 17, 1939.

THOR-NADO

For Hand Operated Portable Electrically Motor Driven Hammering Tools.
Claims use since June 30, 1939.

Ser. No. 422,812. DURO TEST CORPORATION, North Bergen, N. J. Filed Aug. 21, 1939.

FLUORACTOR

For Special Electrical Combination of a Reactor and Relay in a Single Unit.
Claims use since Aug. 17, 1939.

Ser. No. 422,828. PLASTIC LIGHTS, INC., Toledo, Ohio. Filed Aug. 21, 1939.

PLASTIC

For Gaseous Discharge Tubes and Parts Thereof for Electric Lighting, and Lamps, Signs, and Displays Comprising Such Tubes.
Claims use since June 20, 1939.

Ser. No. 423,090. ELECTRICAL FACILITIES INC., Oakland, Calif. Filed Aug. 29, 1939.

REXSELEN

For Alternating Current Rectifiers.
Claims use since Sept. 16, 1937.

Ser. No. 423,642. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Sept. 15, 1939.

VISICODE

For Supervisory Control System Apparatus and Switchboards for Electrical Apparatus.
Claims use since Aug. 26, 1930.

Ser. No. 423,643. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Sept. 15, 1939.

POLARICODE JR.

For Supervisory Control System Apparatus and Switchboards for Electrical Apparatus.
Claims use since Aug. 20, 1934.

Ser. No. 423,747. ANACONDA WIRE & CABLE CO., New York, N. Y. Filed Sept. 20, 1939.

SYNEX

For Insulated Electrical Wire and Cable.
Claims use since Aug. 10, 1939.

Ser. No. 423,748. ANACONDA WIRE & CABLE CO., New York, N. Y. Filed Sept. 20, 1939.

SYNTHEX

For Insulated Electrical Wire and Cable.
Claims use since Aug. 10, 1939.

Ser. No. 423,767. NAT MILLER, doing business as Remil Storage Battery Co., Boston, Mass. Filed Sept. 20, 1939.

REMIL

For Storage Batteries.
Claims use since Aug. 4, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 417,757. SIDNEY GERBER, doing business as Gerber Bros., Seattle, Wash. Filed Apr. 1, 1939.

For Skis and Other Sporting Goods Sold as Ski Equipment.
Claims use since Jan. 1, 1935.

Ser. No. 421,608. HORACE W. HALL, Newton Highlands, Mass. Filed July 15, 1939.

My ★ Model

No claim is made to the word "Model" apart from the mark.
For Tennis, Squash, and Badminton Playing Rackets.
Claims use since Sept. 15, 1936.

Ser. No. 422,946. NATIONAL BILLIARD SUPPLY CO., Chicago, Ill. Filed Aug. 24, 1939.

TROPHY

For Bowling Pins.
Claims use since July 1, 1939.

Ser. No. 422,947. NATIONAL BILLIARD SUPPLY CO., Chicago, Ill. Filed Aug. 24, 1939.

BLUE RIBBON

For Bowling Pins.
Claims use since July 1, 1939.

Ser. No. 422,948. NATIONAL BILLIARD SUPPLY CO., Chicago, Ill. Filed Aug. 24, 1939.

UTILITY

For Bowling Pins.
Claims use since July 1, 1939.

Ser. No. 423,535. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Sept. 12, 1939.

LITHE LINE

The word "Line" is disclaimed apart from the mark.
For Rubber Rope for Use in Physical Exercise.
Claims use since June 19, 1939.

Ser. No. 423,587. MARSHALL-WELLS COMPANY, doing business as Big Bill Tackle Co., Duluth, Minn. Filed Sept. 14, 1939.

50 YDS. SILVER DOLLAR SUPREME JAPAN SILK WATERPROOF TEST 26 LBS BIG BILL TACKLE CO. 3535 R 16

Applicant disclaims all wording except "Silver Dollar" and "Big Bill Tackle Co." apart from the mark.
For Fishing Lines.
Claims use since May 15, 1935.

Ser. No. 423,655. CARROM INDUSTRIES, INC., Ludington Mich. Filed Sept. 16, 1939.

KIKIT

For Board Game Played with Movable Pieces.
Claims use since Apr. 17, 1939.

Ser. No. 423,698. GOLF BALL, INC., Chicago, Ill. Filed Sept. 18, 1939.

Scot Tournament

The word "Tournament" is disclaimed apart from the mark.
For Golf Balls.
Claims use since Aug. 1, 1939.

Ser. No. 424,278. O. SCHOENHUT INC., Philadelphia, Pa. Filed Oct. 6, 1939.

EUROPE MARCHES

For Board Game with a Spinner, Cards, and Movable Pieces.
Claims use since Sept. 28, 1939.

Ser. No. 424,296. JOSEPH DAVIDSON, New York, N. Y. Filed Oct. 7, 1939.

WALK-O-RIDE

For Toy Vehicles.
Claims use since July 1, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 384,577. THE BACON WOOD PRODUCTS COMPANY, INC., Johnson City, Tenn., now by change of name to The E. H. Jacobs Manufacturing Corporation. Filed Oct. 20, 1936.

BOONE TREE

No claim is made to the word "Boone" except as shown.
For Loom Supplies, Viz.—Picker Sticks, Lug Straps, Binders, Skewers, Sweepsticks, Dobby Sheaves, Lug Strap Connectors, Box Front and Box Top Pieces, Creel Sticks, Binder Pins, Clearer Rolls, Crank or Pitman Arms, Jack Sticks, Parallel Plugs, Cloth Roll Blocks, Harness Yokes, Race Plates, Bobbins, and Shuttles.
Claims use since July 16, 1936.

Ser. No. 418,418. PERKINS MACHINE AND GEAR COMPANY, West Springfield, Mass. Filed Apr. 18, 1939.

POLYROTA

For Mechanical Display Signs of the Type Revealing Changing Legends or Pictures Through Synchronized Rotation of Display Bearing Elements in a Plane with the Sign Front.
Claims use since Mar. 29, 1939.

Ser. No. 419,571. C AND C MOTOR SALES, Dundee, Mich. Filed May 19, 1939.



The drawing is lined for red. Applicant disclaims the words "Tow Bar" apart from the mark.
For Automobile Tow-Bars, Tow Ropes, Tow Chains, Tow Cables, and Parts Thereof.
Claims use since Aug. 1, 1937.

Ser. No. 421,140. WILH. HEMBECK SÖHNE, Gevelsberg, Germany. Filed June 30, 1939.



For Plantation Hewers—i. e., Long Knife-Like Broad Swords for Cutting Down the Rapidly Growing Weeds, Liana, and the Like.
Claims use since May, 1933.

Ser. No. 421,616. ARA P. RICKMIRE, Minneapolis, Minn. Filed July 15, 1939.

THE WIGGLEBUG

For Machine for Shaking or Rocking the Body and Springs of a Motor Vehicle while the Same is being Greased.
Claims use since June 1, 1937.

Ser. No. 422,129. ELGIN WINDMILL COMPANY, Elgin, Ill. Filed July 31, 1939. Under 10-year proviso.

Elgin

For Windmills, Pump Jacks, Galvanized Steel Towers, Steel Silo Ladders, and Steel Milk Can Racks.
Claims use since 1890.

Ser. No. 422,507. FLEMING MANUFACTURING COMPANY, East Providence, R. I. Filed Aug. 11, 1939.

HYDRO-VENT

For Crankcase Ventilating Systems Including an Adapter, Valves, Fittings, and Tubing.
Claims use since June 26, 1939.

Ser. No. 422,951. JAMES NEILL & CO. (SHEFFIELD) LIMITED, Sheffield, England. Filed Aug. 24, 1939.

ECLIPSE

For Safety Razors and Safety Razor Blades.
Claims use since Jan. 1, 1927.

Ser. No. 422,980. BISSELL CARPET SWEEPER CO., Grand Rapids, Mich. Filed Aug. 25, 1939.

FEATHER-TOUCH

For Carpet Sweepers.
Claims use since Aug. 17, 1939.

Ser. No. 423,008. J. K. SMIT & SONS, INC., New York, N. Y. Filed Aug. 25, 1939.

VANKOLITE

For Diamond Bits, Diamond Tools for Wheel Dressing, Diamond Wheels for Conditioning Tools, Diamond Wheels for Cutting Off, Diamond Wheels for Surface Grinding, and Diamond Tools for Facing, Boring, and Turning.
Claims use since Aug. 23, 1939.

Ser. No. 423,047. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed Aug. 28, 1939.

DYNAMIC

For Hand Tools—Namely, Hammers, Hatchets, Axes, Adzes, Broadaxes.
Claims use since July 15, 1939.

Ser. No. 423,048. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed Aug. 28, 1939.

TOMMY

For Hand Tools—Namely, Axes, Hammers, Hatchets, Adzes, Broadaxes.
Claims use since July 15, 1939.

Ser. No. 423,071. OSWALD L. RUGAARD, doing business as Rugaard Mfg. Co., Lawrence, Mass. Filed Aug. 28, 1939.

Leader

For Floor Sanding Machinery and Parts Thereof.
Claims use since Apr. 10, 1937.

Ser. No. 423,125. CINCINNATI GRINDERS INCORPORATED, Cincinnati, Ohio. Filed Aug. 30, 1939.



For Machine Tools, Particularly Precision Grinding Machines Including Cylindrical and Centerless Grinders, and Bearings for Machine Tools.
Claims use since Aug. 23, 1939.

Ser. No. 423,665. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Sept. 16, 1939.



For Tractors.
Claims use since Sept. 5, 1939.

Ser. No. 423,736. MAY OIL BURNER CORPORATION, Baltimore, Md. Filed Sept. 19, 1939.

Econ-o-MAY

For Fluid Pumps and Compressors and Parts Thereof.
Claims use since January, 1937.

Ser. No. 423,779. THERMO CUBER COMPANY, INC., Chicago, Ill. Filed Sept. 20, 1939.



For Ice Cutting Machines.
Claims use since Aug. 26, 1939.

CLASS 26

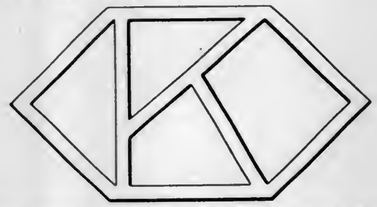
Measuring and Scientific Appliances

Ser. No. 404,959. SPENCER LENS COMPANY, Buffalo, N. Y. Filed Apr. 6, 1938. Under 10-year proviso.

SPENCER

For Microscopes, Photographic Cameras and Accessories, Camera Lucida, Magnifiers, Microtomes, and Their Parts and Accessories.
Claims use since Jan. 1, 1847.

Ser. No. 416,856. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Mar. 9, 1939.



For Scientific Laboratory, and Graduated Chemical Glassware.
Claims use since Feb. 15, 1936.

Ser. No. 421,062. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed June 29, 1939.

CENTEX

For Ophthalmic Lenses and Blanks for Ophthalmic Lenses.
Claims use since December, 1909.

Ser. No. 421,480. ENSIGN, LIMITED, London, England. Filed July 12, 1939.

ENSIGN

For Cameras and Parts Thereof, and Sensitized Films.
Claims use since Mar. 11, 1902.

Ser. No. 422,623. CERAMIC PRODUCTS COMPANY, Kewaunee, Wis. Filed Aug. 15, 1939.

KARCITE

For Ceramic Ware—Namely, Ceramic Sinks for Laboratory Use, Drain Troughs for Laboratory Equipment, and Developing Tanks.
Claims use since Apr. 1, 1937.

Ser. No. 422,788. SIMPLEX VALVE & METER COMPANY, Philadelphia, Pa. Filed Aug. 19, 1939.

GYROMETER

For Meters, Gauges, and Controlling Devices for Recording, Indicating, and Totalizing the Flow of Liquids or Gases Through Orifices, Venturis, and Similar Primary Devices, Including the Remote Transmission of a Totalized Flow.
Claims use since Aug. 15, 1939.

Ser. No. 422,885. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill. Filed Aug. 23, 1939.



The mark comprises an imaginary portrait of a service man.
For Weighing Scales.
Claims use since August, 1938.

Ser. No. 422,886. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill. Filed Aug. 23, 1939.

canteen

For Weighing Scales.
Claims use since August, 1938.

Ser. No. 423,079. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Aug. 29, 1939.

ACE

For Developing and Fixing Trays, Developing and Fixing Tanks, and Boxes for Use in Photographic Art.
Claims use since December, 1920.

Ser. No. 423,080. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Aug. 29, 1939.



For Developing and Fixing Trays, Developing and Fixing Tanks, and Boxes for Use in Photographic Art.
Claims use since December, 1920.

Ser. No. 423,405. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Sept. 8, 1939.

ANSCO

For Photographic Goods, Particularly Cameras and Films and Sensitized Photographic Paper.
Claims use since July, 1902, for said paper and films; since July 1, 1902, for said cameras.

Ser. No. 423,728. THE HALOID COMPANY, Rochester, N. Y. Filed Sept. 19, 1939.

TRANSALOID

For Light Sensitive Paper.
Claims use since Mar. 15, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 407,261. W. R. COBB COMPANY, Providence, R. I. Filed June 9, 1938.

W. R. C.

For Jewelry for Personal Wear or Adornment, Not Including Watches, and Jewelers' Findings—Namely, Clasps and Attach Rings, Bone Screws, Ear Wires, Swivels, Spring Rings, Braided Cord and Bead Cord Made in Whole or in Part of Precious Metal or Plated with the Same.
Claims use since Jan. 1, 1922.

Ser. No. 422,751. KASPAR & ESH, INC., New York, N. Y. Filed Aug. 18, 1939.

"GLO"

For Finger Rings.
Claims use since Aug. 14, 1939.

CLASS 31

Filters and Refrigerators

Ser. No. 424,042. HUSSMANN-LIGONIER COMPANY, St. Louis, Mo. Filed Sept. 29, 1939.

M'Ocean-Air

For Refrigerated Display Cases.
Claims use since Jan. 8, 1939.

Ser. No. 424,045. HUSSMANN-LIGONIER COMPANY, St. Louis, Mo. Filed Sept. 29, 1939.

"WHITELITE"

For Refrigerated Display Cases.
Claims use since Jan. 5, 1938.

CLASS 32

Furniture and Upholstery

Ser. No. 421,254. THE REYNOLDS & REYNOLDS COMPANY, Dayton, Ohio. Filed July 3, 1939.

MANAGEMENT'S SEEING EYE

For Filing Cases or Cabinets.
Claims use since June 21, 1939.

Ser. No. 421,468. WHITEHEAD METAL PRODUCTS COMPANY, INC., New York, N. Y. Filed July 11, 1939.



No claim is made to the words "Work Saving Kitchen" apart from the mark.
For Kitchen Cabinets.
Claims use since July 15, 1938.

Ser. No. 422,307. FORT PITT BEDDING COMPANY, Pittsburgh, Pa. Filed Aug. 5, 1939.

DREAM KING

For Mattresses.
Claims use since May 21, 1932.

Ser. No. 423,382. LONG ISLAND MATTRESS CO., INC., Brooklyn, N. Y. Filed Sept. 7, 1939.



No claim is made to the words "Inner Spring" apart from the mark.
For Mattresses, Springs, and Studio Couches.
Claims use since 1930.

Ser. No. 423,410. CHICAGO UPHOLSTERERS SUPPLY CO., Chicago, Ill. Filed Sept. 8, 1939.



For Upholstery, Pillow and Mattress Springs, and Spring Units.
Claims use since April, 1931.

Ser. No. 423,411. CHICAGO UPHOLSTERERS SUPPLY CO., Chicago, Ill. Filed Sept. 8, 1939.

Permaflex

For Upholstery, Pillow and Mattress Springs, and Spring Units.
Claims use since October, 1933.

Ser. No. 423,952. HYGIENIC SUPPLIES CORPORATION, Albany, N. Y. Filed Sept. 26, 1939.

Dr. Proctor's
Celo-Fluf

For Pillows, Mattresses, and Cushions and Pads for Upholstery.
Claims use since Sept. 11, 1939.

Ser. No. 424,375. UNITED STATES CABINET BED CO., New York, N. Y. Filed Oct. 9, 1939.

AIRLET

For Mattresses.
Claims use since Jan. 15, 1929.

Ser. No. 424,395. FISCHER BED SPRING COMPANY, Pittsburgh, Pa. Filed Oct. 10, 1939.

CENTRO-GUARD

For Bed Springs.
Claims use since June 26, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 421,774. R. P. GUPTILL, Genoa City, Wis. Filed July 20, 1939.



No claim is made to the word "Gasoroil" apart from the mark. The drawing is lined for blue and red.
For Oil or Gas House Heating Plants.
Claims use since May 1, 1929.

Ser. No. 423,543. AMERICAN STOVE COMPANY, St. Louis, Mo. Filed Sept. 13, 1939.



For Domestic Gas Ranges.
Claims use since July 5, 1939.

Ser. No. 423,762. THE KILBORN-SAUER COMPANY, Fairfield, Conn. Filed Sept. 20, 1939.

K-S

For Lamp Lenses and Reflectors, Oil Flares, Oil Lamps, Marine Ventilators, Vehicle Safety Reflectors.
Claims use since 1918.

CLASS 36

Musical Instruments and Supplies

Ser. No. 411,729. MILTON G. WOLF, Chicago, Ill. Filed Oct. 17, 1938.

Lektro-Magnetic

No claim is made to the word "Magnetic" apart from the mark.
For Musical Instrument Strings.
Claims use since Dec. 6, 1937.

Ser. No. 422,544. GRETSCH & BRENNER, INC., New York, N. Y. Filed Aug. 12, 1939.

ROCKET

For Clarinets, Bass Clarinets, Oboes, Bugles, Alto Horns, Bass Horns, Guitars, Flutes, Alto Clarinets, Cornets, Trombones, Baritone Horns, Sousaphones, Harmonicas, Piccolos, Bassoons, Trumpets, Mellophones, French Horns, Accordions, Drums, and the Like and Accessories Pertaining to Those Instruments.
Claims use since July, 1938.

Ser. No. 422,730. THE RUDOLPH WURLITZER COMPANY, Dekalb, Ill. Filed Aug. 17, 1939.

KORDEVON

For Pianos.
Claims use since July 24, 1939.

Ser. No. 422,931. WM. R. GRATZ IMPORT COMPANY, New York, N. Y. Filed Aug. 24, 1939.

GLASTEX

For Musical Instruments and Parts of Instruments—Namely, Trumpet Mouthpieces, Cornet Mouthpieces, Trombone Mouthpieces, Clarinet and Saxophone Mouthpieces; Band Instruments—Namely, Cornet, Trumpet, Trombone, Alto, Mellophone, Tenor, Baritone, French Horn, Bass, Tuba, Sousaphone, Bugle; Woodwinds—Namely, Piccolo, Flute, Clarinet, Oboe, Bassoon, English Horn, Saxophone; Reeds, Harmonicas.
Claims use since Aug. 15, 1939.

CLASS 37

Paper and Stationery

Ser. No. 407,715. CROWN ZELLERBACH CORPORATION, doing business as Crown Willamette Paper Company, San Francisco, Calif. Filed June 21, 1938.

ALPINE

For Wrapping Paper for Meat.
Claims use since Jan. 1, 1933.

Ser. No. 408,458. EPPENS, SMITH COMPANY, INC., New York, N. Y. Filed July 13, 1938.

"NEUSPUN"

For Paper Blanks for Making Bags.
Claims use since May 20, 1938.

Ser. No. 423,034. REMINGTON RAND INC., Buffalo, N. Y. Filed Aug. 26, 1939. Under section 5b of the act of 1905 as amended in 1920.

Remington

Applicant is the owner of Reg. No. 367,774 effected under the 10-year proviso.
For Copyholders and parts thereof.
Claims use since Nov. 18, 1927.

CLASS 38

Prints and Publications

Ser. No. 421,798. ASHTON B. COLLINS, Birmingham, Ala. Filed July 21, 1939.

REDDY KILOWATT POWER

For Books, Circulars, Advertising Matter and the Like Sold as Such to the Trade and Issued from Time to Time.
Claims use since Apr. 18, 1938.

Ser. No. 422,413. LARUS & BROTHER COMPANY, INC., Richmond, Va. Filed Aug. 8, 1939.

AS AMERICA THINKS

The word "America" is disclaimed apart from the mark.
For Scripts for a Series of Radio Broadcasts Sold as a Publication in Trade.
Claims use since May 12, 1939.

Ser. No. 423,202. THE BETTER CITIZENSHIP ASSOCIATION, Cleveland, Ohio. Filed Sept. 1, 1939.

THE NEW CITIZEN

For Periodical.
Claims use since Oct. 1, 1938.

Ser. No. 423,328. COMIC FAVORITES, INC., New York, N. Y. Filed Sept. 6, 1939.

ESPIONAGE

For Comic Strips.
Claims use since Aug. 31, 1938.

Ser. No. 423,388. CLINT TROUTMAN, doing business as C. Allen, Joplin, Mo. Filed Sept. 7, 1939.

Man's Everyday Business
and the BIBLE
By C. ALLEN

No claim is made to the notation "C. Allen" apart from the mark.
For Newspaper Column.
Claims use since June 2, 1939.

CLASS 39

Clothing

Ser. No. 395,688. SUPREME SANCTORUM ANCIENT MYSTIC ORDER OF SAMARITANS, INC., Niagara Falls, N. Y. Filed July 27, 1937.



For Fraternity Regalia, Consisting of Fezzes, Uniforms, Coats, Hats, Trousers, Costumes, Capes, Gloves, Shoulder Robes, Scarfs, Belts, Outer Shirts, Neckties, and Robes.
Claims use since Aug. 8, 1936.

Ser. No. 401,798. NELLIE WALLBAUM, Cairo, Ill. Filed Jan. 11, 1938.

Nelly Bly

The mark consists of the name of a famous newspaper woman, now deceased, who made a trip around the world in 1889 in record time.
For Ladies' Underwear, Hosiery, and Dresses.
Claims use since Apr. 15, 1936.

Ser. No. 413,521. PENDLE & RIVETT LIMITED, London, England. Filed Dec. 6, 1938.

FINLANA

For Men's Suits and Overcoats.
Claims use since Dec. 22, 1937.

Ser. No. 415,233. STERLING STORES CO., INC., Little Rock, Ark. Filed Jan. 25, 1939.

Lor-Ann

For Hosiery.
Claims use since Dec. 10, 1938.

Ser. No. 417,719. S. D. PRINCE CO., Boston, Mass. Filed Mar. 31, 1939.

Prinsex

For Wearing Apparel and Furnishings—Namely, Gloves and Mittens of Leather, Wool, Cotton, Silk, Rayon, and Mixtures of Any of the Aforementioned Fabric Materials; Sport Clothing Accessories, Namely: Parkas, Parka-hoods, Hats, Caps, Scarfs for Men, Women, Boys, and Girls Made of Wool, Cotton, Rayon, Silk or Mixtures of Any of Said Materials.

Claims use since Sept. 1, 1919.

Ser. No. 422,102. HENRY NIEBERG, New York, N. Y. Filed July 29, 1939.



For Boys' Jackets and Boys' Coats.

Claims use since July 11, 1939.

Ser. No. 422,208. GREENSBORO OVERALL COMPANY, INC., Greensboro, N. C. Filed Aug. 2, 1939.

BLUE BLUD

For Men's Overalls, Dungarees, and Work Pants.

Claims use since Jan. 1, 1935.

Ser. No. 422,381. JOHN T. SHAYNE & CO., Chicago, Ill. Filed Aug. 7, 1939.

Young Idea Shop

Applicant disclaims the word "Shop".

For Women's Outer Garments—Namely, Dresses, Cloth Coats, Fur Coats, Suits, and Women's Hats.

Claims use since July 28, 1939.

Ser. No. 422,605. STYLE GARMENT COMPANY INC., Los Angeles, Calif. Filed Aug. 14, 1939.

A Seasoncraft Fabric • CALIFORNIA

Honeycomb CREATED IN California

Applicant disclaims the words "Fabric", "California", "Honeycomb", and "Created in California" apart from the mark.

For Ladies' Cloaks, Suits, and Coats.

Claims use since Nov. 1, 1938.

Ser. No. 422,628. IDEAL SHOE CO., Philadelphia, Pa. Filed Aug. 15, 1939.

SOLCO PEDIC

Supreme IT BRACES Arch Ease ANATOMICALLY CORRECT

Applicant disclaims the wording "Supreme", "It Braces", "Arch Ease", and "Anatomically Correct".

For Shoes Manufactured from Leather, Fabric, or Rubber, or Combinations of Said Materials.

Claims use since Apr. 15, 1939.

Ser. No. 422,864. PINCUS & TOBIAS, INC., New York, N. Y. Filed Aug. 22, 1939.

James Kean

The name "James Kean" as shown on the drawing is a facsimile signature of the vice president of applicant corporation.

For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.

Claims use since Aug. 7, 1939.

Ser. No. 422,891. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Aug. 23, 1939.

HOSE WITH 9 LIVES

The word "Hose" is disclaimed apart from the mark.

For Women's Hosiery.

Claims use since May 2, 1939.

Ser. No. 422,920. WOLF-BROWN-JONES CORPORATION, New York, N. Y. Filed Aug. 23, 1939.

MERIT Bun-e-Fluff

The word "Merit" is disclaimed apart from the mark.

For Union Suits, Pajamas, Nightgowns for Women, Misses, and Children.

Claims use since March, 1937.

Ser. No. 423,000. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Aug. 25, 1939.

YOUNG NOTIONS

For Foundation Garments in the Nature of Corsets and Girdles, Garter Belts, Brassières with Dress Shields Attached, Undergarments in the Nature of a Pantie, Bathing Caps, and Shower Caps.

Claims use since July 17, 1939.

Ser. No. 423,068. C. D. OSBORN CO., Chicago, Ill. Filed Aug. 28, 1939.

Budget Beauties!

The word "Beauties" is disclaimed apart from the mark.

For Ladies' Gloves Made of Leather and Fabric.

Claims use since Aug. 18, 1939.

Ser. No. 423,138. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Aug. 30, 1939.

GORACUNA

For Men's Topcoats and Overcoats.

Claims use since July, 1934.

Ser. No. 423,163. CUBRICK & LEIKEN CO. INC., New York, N. Y. Filed Aug. 31, 1939.

CAM-O-HAIR

Applicant disclaims the word "Hair" apart from the mark.

For Sport Jackets, Sport Suits, Slacks, Waistcoats, Overcoats, Topcoats, and Suits for Men.

Claims use since Oct. 21, 1937.

Ser. No. 423,266. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y. Filed Sept. 2, 1939.

BAR-H

For Braces, Garters, and Apparel Belts.

Claims use since May 5, 1939.

Ser. No. 423,495. EVEN-PUL FOUNDATIONS, INC., New York, N. Y. Filed Sept. 11, 1939.

Contra-Flex

For Corselets, Foundation Garments, Brassières, and Girdles.

Claims use since Aug. 1, 1939.

Ser. No. 423,503. LONG ISLAND OUTFITTING CO., INC., Brooklyn, N. Y. Filed Sept. 11, 1939.

Wilchester

For Men's Suits, Overcoats, Top Coats, Hats, and Shoes Made of Leather, Fabric, and Combinations Thereof.

Claims use since Aug. 28, 1939.

Ser. No. 423,506. MOSS STORES, INC., San Francisco, Calif. Filed Sept. 11, 1939.

"Duron"

For Ladies' Hosiery.

Claims use since Aug. 14, 1939.

Ser. No. 423,568. LADY YOUTH, INC., New York, N. Y. Filed Sept. 13, 1939.

LADY Youth

For Women's Dresses.

Claims use since June 27, 1939.

Ser. No. 423,607. MUSEBECK SHOE COMPANY, Danville, Ill. Filed Sept. 14, 1939.

WAK-A-GEN HEALTH SHOES FOR MEN WOMEN AND CHILDREN

The words "Health" and "Shoes for Men, Women and Children" are disclaimed. The pictures are fanciful.

For Boots and Shoes Made of Leather, Fabric, or Combinations Thereof.

Claims use since Aug. 18, 1939.

Ser. No. 423,611. SOUTHERN CLOTHING MANUFACTURERS, Tampa, Fla. Filed Sept. 14, 1939.



Applicant disclaims the word "Skin".

For Men's and Boys' Dress and Sport Shirts, Pajamas, Ensemble Sets Consisting of Slacks and Shirts, Dress Trousers, Work Trousers, and Women's and Girls' Sport Ensemble Sets Consisting of Slacks and Shirts, Sport Shirts, Sports Waists, Shorts, Sport Dresses, and Play Suits.

Claims use since April, 1939.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 421,837. THE H. A. AUSTIN COMPANY, INCORPORATED, Worcester, Mass. Filed July 22, 1939.

AERO-FORM

Applicant disclaims the word "Form" apart from the mark.

For Breast Forms.

Claims use since Mar. 1, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 406,498. CALLAWAY MILLS, La Grange, Ga. Filed May 19, 1938.



The trade-mark includes two parallel sets of two pairs each of distinctive threads on the surface of the goods; each pair comprises parallel threads staggered longitudinally on the surfaces of the goods to the pair of the adjacent set; and each thread consists of contrasting, light and dark (substantially black and white) twisted strands. Such threads are knitted into the central part of the padding. The trade-mark is applied to the center of the strip of padding leaving a wide area of goods on both sides thereof. No claim is made to the representation of the goods.

For Textile Fabrics—Namely, Cotton Padding.

Claims use since 1929.

Ser. No. 419,232. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed May 9, 1939.

MALLINSON MONOCOLORS

No claim is made to the exclusive use of the word "Mallinson", except in connection with the mark as shown.

For Textile Fabrics in the Piece—Namely, Silk Fabrics, Rayon Fabrics, Fabrics Consisting of a Mixture of Rayon and Silk, and Cotton, Linen, and Woolen Fabrics.

Claims use since Apr. 11, 1939.

Ser. No. 420,952. HERBERT MANUFACTURING COMPANY, New York, N. Y. Filed June 26, 1939.



The words "Lining" and "Arid-Dri" and the representation of a label per se are disclaimed apart from the mark.

For Rayon and Cotton Piece Goods.

Claims use since July 1, 1938.

Ser. No. 420,953. HERBERT MANUFACTURING COMPANY, New York, N. Y. Filed June 26, 1939.

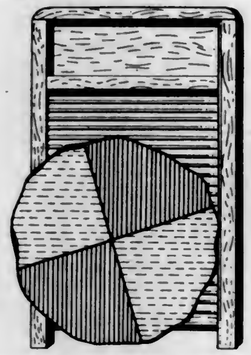
Bona Fide Fabrics
HERBERT MANUFACTURING CO.

The words "Fabrics" and "Bona Fide" are disclaimed apart from the mark.

For Rayon and Cotton Piece Goods.

Claims use since Jan. 2, 1921.

Ser. No. 422,874. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Aug. 22, 1939.



For Piece Goods of Silk, Cotton, Rayon, and Wool, and Piece Goods of Mixtures of These Materials.

Claims use since July 1, 1939.

Ser. No. 423,425. JAMES R. LISTER, New York, N. Y. Filed Sept. 8, 1939.

K-L-IPPERTINTS

For Textile Fabrics, in the Piece—Namely, Woolens, Worsted, Mohair, Cashmere, Cotton, and Combinations Thereof.

Claims use since July, 1939.

Ser. No. 423,434. MOUNT HOPE FINISHING COMPANY, Dighton, Mass. Filed Sept. 8, 1939.

Perma-Starched

No claim is made to the word "Starched" apart from the word "Perma".

For Textile Fabrics in the Piece, Including Marquisettes and Other Fabrics Composed in Whole or in Part of Cotton or Rayon.

Claims use since Aug. 19, 1939.

Ser. No. 423,458. COHN-HALL-MARX CO., New York, N. Y. Filed Sept. 9, 1939.

TWILATWIL

For Cotton, Rayon, Acetate, and/or Silk Piece Goods.

Claims use since Aug. 24, 1939.

Ser. No. 423,678. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Sept. 16, 1939.

CASINO

For Silk Piece Goods and Crepe Piece Goods of Silk and/or Artificial Silk.

Claims use since Jan. 21, 1919.

Ser. No. 423,679. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Sept. 16, 1939.

MINARET

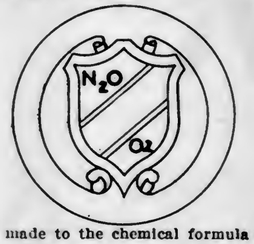
For Silk Piece Goods and Crepe Piece Goods of Silk and/or Artificial Silk.

Claims use since Jan. 29, 1919.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 422,292. THE MCKESSON APPLIANCE CO., Toledo, Ohio. Filed Aug. 4, 1939.



No claim is made to the chemical formula apart from the mark.

For Gas, Liquid, and Electric Equipment, Together with Duct and Control Systems for Treating and Diagnosing, Including Anaesthesia, Metabolism, Oxygen Therapy, Post Operative, Hearing, and Speech Apparatus, and Parts Thereof.

Claims use since 1914.

Ser. No. 422,538. COMPRESSED PRODUCTS CORP., New York, N. Y. Filed Aug. 12, 1939.

COMPAD

For Sanitary Napkins.

Claims use since June 5, 1939.

Ser. No. 423,464. THE HICHELL CO., Boston, Mass. Filed Sept. 9, 1939.

C-WELL

For Dental and Surgical Flashlights Equipped with Interchangeable Plastic Tips for Directing and Concentrating the Beam of the Light.

Claims use since May 24, 1939.

Ser. No. 424,077. W. A. BAUM CO. INC., New York, N. Y. Filed Sept. 30, 1939.

STANDBY

For Sphygmomanometers.

Claims use since June 19, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 416,947. CENTRAL CALIFORNIA PRODUCERS, Oakland, Calif. Filed Mar. 11, 1939.

VITAMIN C ZUND

No claim is made to the words "Vitamin C" apart from the mark.

For Maltless, Nonalcoholic Beverages and Beverage Bases Containing Fruit and Vegetable Juices.

Claims use since Feb. 1, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 409,695. THE PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio. Filed Aug. 17, 1938.

RIO

For Oleomargarine.
Claims use since June 20, 1938.

Ser. No. 410,306. PEVELY DAIRY COMPANY, St. Louis, Mo. Filed Sept. 6, 1938.

PEVELY Super Test DAIRY PRODUCTS

The words "Dairy Products" and the representation of the label are disclaimed apart from the mark.
For Dairy Products—Namely, Milk, Cream, Buttermilk, Cheese, Butter, Ice Cream, Powdered Milk, and Evaporated Milk.
Claims use since Aug. 22, 1938.

Ser. No. 410,841. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Sept. 21, 1938.

VALLEY PRIME

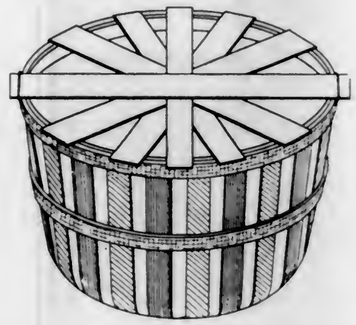
The word "Prime" is disclaimed apart from the mark.
For Canned Vegetables.
Claims use since Sept. 14, 1938.

Ser. No. 413,306. GEORGE P. GUNDLACH, doing business as Esmond, Gundlach and Company, Norwood, Cincinnati, Ohio. Filed Nov. 30, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.

MEL O RICH

No claim is made to the word "Rich" apart from the mark.
For Fresh Homogenized Milk.
Claims use since Jan. 10, 1936.

Ser. No. 414,133. WILLIAM ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex. Filed Dec. 22, 1938.



Trade-mark consists of alternate red and green vertical staves on a basket with white staves showing between each of a pair of red and green staves, and a pair of yellow bands encircling the outer surface of the basket. The basket is disclaimed per se.
For Fresh Citrus Fruits and Fresh Vegetables.
Claims use since Nov. 5, 1938.

Ser. No. 416,738. NEW RICHMOND ROLLER MILLS COMPANY, New Richmond, Wis. Filed Mar. 6, 1939.

GOLDEN WHEAT "TEMPTIES"

No claim is made to the words "Golden Wheat" apart from the mark.
For Wheat Cereals.
Claims use since June 1, 1938.

Ser. No. 417,239. TEXAS CANNING COMPANY, Brownsville and Falfurrias, Tex. Filed Mar. 18, 1939.



The portrait is fanciful. No claim is made to the word "Texas" apart from the mark.
For Canned Vegetables.
Claims use since May, 1936.

Ser. No. 420,482. GONDOLA OLIVE OIL CO., San Diego, Calif. Filed June 14, 1939.

VIRGIN GOLD BRAND



No claim is made to the notations "Virgin", "Brand", and "Made Italian Style" apart from the mark.
For Olive Oil.
Claims use since February, 1939.

Ser. No. 420,634. FLORASYNTH LABORATORIES INC., New York, N. Y. Filed June 17, 1939.

"VANETTE"

For Vanilla Flavoring Powders of All Types, Both Natural and Synthetic, and a Combination of Both and Used in Food Products and Principally in Ice Cream, Desserts, and Confections.
Claims use since May, 1938.

Ser. No. 422,012. DAVID PERSHA, Duluth, Minn. Filed July 27, 1939.

Plus-Way DISPENSING

For Canned and Fresh Fruits—Namely, Apples, Apricots, Pears, Plums, Prunes, Peaches, Strawberries, Raspberries, Grapes, Cherries, Oranges, Lemons, Limes, Grapefruit, Pineapple, and Vegetables, Tea, Coffee, Sugar; Wheat, Cake, Pancake, and Rice Flour, Salad Dressing, Breakfast Cereal Foods; Dairy Products—Namely, Butter, Cheese, Milk, Eggs; Spices, Food Flavors, Catsup; Bakery Products—Namely, Bread, Buns, Cakes, Pies, Cookies, Crackers; Candy Confections.
Claims use since Jan. 1, 1939.

Ser. No. 422,148. G. OBERTI & SONS, Madera, Calif. Filed July 31, 1939.



For Olive Oil.
Claims use since Dec. 15, 1935.

Ser. No. 422,462. JOSEPH BESSEGHINI, doing business as Indian Grill Products Company, Colorado Springs, Colo. Filed Aug. 10, 1939.



For Salad Dressing.
Claims use since January, 1938.

Ser. No. 422,523. SOVEX FOOD PRODUCTS, Holly, Mich. Filed Aug. 11, 1939.

SOVEX

For Yeast-Vegetable Concentrate Used for a Seasoning for Making Soup, Drinks, Bouillons, and as a Spread for Bread, Crackers, and Sandwiches.
Claims use since June 1, 1939.

Ser. No. 422,551. MYLES SALT COMPANY, LIMITED, New Orleans, La. Filed Aug. 12, 1939.

SUPER-PAK

No claim is made to the word "Pak" apart from the mark.
For Salt.
Claims use since Aug. 4, 1939.

Ser. No. 422,672. PH. ORTH CO., Milwaukee, Wis. Filed Aug. 16, 1939.



No claim is made to the wording "'Wild Honey' Doughnut Flour" apart from the mark.
For Prepared Doughnut Flour.
Claims use since Mar. 1, 1939.

Ser. No. 422,733. JOHN F. BULLARD, doing business as Midwest Mills, Chicago, Ill. Filed Aug. 18, 1939.

PRAIRIE FARMER

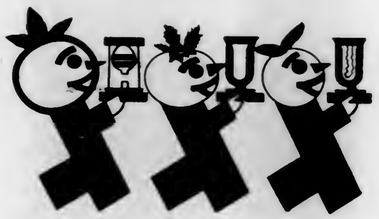
For Mineral Feed Supplement for Livestock and Poultry.
Claims use since June 15, 1939.

Ser. No. 423,059. HOWARD BROTHERS, Idaho Falls, Idaho. Filed Aug. 28, 1939.

U.S.No.1
SELECTED
IDAHO
HB
POTATOES

No claim is made to the wording "U. S. No. 1 Selected Idaho Potatoes" apart from the mark.
For Potatoes in Their Natural State.
Claims use since Nov. 1, 1922.

Ser. No. 423,122. BRUCE'S JUICES, INC., Tampa, Fla. Filed Aug. 30, 1939.



For Canned Fruit and Vegetable Juices.
Claims use since March, 1938.

Ser. No. 423,145. SOKOL & CO., Chicago, Ill. Filed Aug. 30, 1939.

BELEXO

For Food Product Similar to Paprika and Used as a Seasoning, Coloring, and Flavoring for Foods.
Claims use since May, 1933.

Ser. No. 423,254. THE BORDEN COMPANY, New York, N. Y. Filed Sept. 2, 1939.

SILVER COW · PEARL BRAND

The word "Brand" is disclaimed.
For Evaporated Milk.
Claims use since May 31, 1939.

Ser. No. 423,321. THE WHITEWATER FLOUR MILLS CO., doing business as The Ross Milling Company, Ottawa, Kans. Filed Sept. 5, 1939.



The word "Flour" is disclaimed apart from the mark.
For Wheat Flour.
Claims use since Nov. 2, 1918.

Ser. No. 423,472. NATIONAL BISCUIT COMPANY, Newark, N. J. Filed Sept. 9, 1939.

CADET

For Bakery Products—Namely, Cones.
Claims use since Dec. 13, 1938.

Ser. No. 423,533. H. Y. MINAMI & SONS, Guadalupe and San Luis Obispo, Calif. Filed Sept. 12, 1939.

OBISPO

For Fresh Vegetables.
Claims use since Sept. 3, 1939.

Ser. No. 423,546. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed Sept. 13, 1939.

SPIRALS

For Candy.
Claims use since Aug. 31, 1939.

Ser. No. 423,551. BUNTE BROTHERS, Chicago, Ill. Filed Sept. 13, 1939.

DAILY DOUBLE

For Candy.
Claims use since Jan. 29, 1935.

Ser. No. 423,696. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Filed Sept. 18, 1939.



For Wheat Breakfast Food.
Claims use since Oct. 1, 1938.

Ser. No. 423,714. SANTA ANITA FOOD CORPORATION, Anaheim, Calif. Filed Sept. 18, 1939.

GALA

For Canned Vegetables.
Claims use since Sept. 7, 1938.

Ser. No. 423,718. HENRY H. YORK AND COMPANY PROPRIETARY LIMITED, Sydney, New South Wales, Australia. Filed Sept. 18, 1939.

CELTA

For Culinary Salt.
Claims use since Jan. 7, 1937.

Ser. No. 423,809. THE HEEKIN COMPANY, Cincinnati, Ohio. Filed Sept. 21, 1939.

HAPPY FAMILY

For Baking Powder.
Claims use since Sept. 11, 1939.

CLASS 47

Wines

Ser. No. 423,778. THE TAYLOR WINE COMPANY, Hammondsport, N. Y. Filed Sept. 20, 1939.



All notations except "Taylor's", "The Taylor Wine Company", and the monogram "TWCo" are disclaimed apart from the mark.
For Wines.
Claims use since Sept. 1, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 423,504. MANY, BLANC & CO., INC., Chicago, Ill. Filed Sept. 11, 1939.

M·B·C

For Rum, Whiskey, Gin, Cordials, and Liqueurs.
Claims use since Jan. 14, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 14, 1939

372,707. FISHING REELS. HYLA F. MAYNES, North Tonawanda, N. Y., assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y., a corporation of New York.
Filed June 25, 1936. Serial No. 380,212. PUBLISHED SEPTEMBER 5, 1939. Class 22.

372,708. FISHING REELS. HYLA F. MAYNES, North Tonawanda, N. Y., assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y., a corporation of New York.
Filed June 25, 1936. Serial No. 380,213. PUBLISHED SEPTEMBER 5, 1939. Class 22.

372,709. FISHING REELS. HYLA F. MAYNES, North Tonawanda, N. Y., assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y., a corporation of New York.
Filed June 25, 1936. Serial No. 380,214. PUBLISHED SEPTEMBER 5, 1939. Class 22.

372,710. AIR CONDITIONING UNITS. THE WILLIAMSON HEATER COMPANY, Cincinnati, Ohio.
Filed September 8, 1936. Serial No. 383,045. PUBLISHED AUGUST 29, 1939. Class 34.

372,711. PERIODICAL PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME. ALFRED M. BEST COMPANY INC., New York, N. Y.
Filed October 30, 1936. Serial No. 384,954. PUBLISHED AUGUST 29, 1939. Class 38.

372,712. SMOKED MEATS—NAMELY, BACON. CUDAHY BROTHERS COMPANY, Cudahy, Wis.
Filed June 28, 1937. Serial No. 394,586. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,713. BEEF AND PORK PRODUCTS—NAMELY, SALAMI SAUSAGE, PEPPERED BUTTS, AND PROSCIUTTO (HAM). CUDAHY BROTHERS COMPANY, Cudahy, Wis.
Filed June 28, 1937. Serial No. 394,589. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,714. DOMESTIC OIL BURNERS AND AIR CONDITIONERS. ELECTROL INCORPORATED, Clifton, N. J.
Filed January 7, 1938. Serial No. 401,668. PUBLISHED AUGUST 29, 1939. Class 34.

372,715. PRINTED BOOKS, PAMPHLETS, MAGAZINES PUBLISHED MONTHLY, AND CIRCULARS USED BETWEEN THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS. STOVE MOUNTERS' INTERNATIONAL UNION, St. Louis, Mo.
Filed February 15, 1938. Serial No. 403,061. PUBLISHED AUGUST 29, 1939. Class 38.

372,716. FABRIC BAG-LIKE RECEPTACLES—NAMELY, SHOE BAGS. FLIP-TOP, LTD., New York, N. Y.
Filed February 17, 1938. Serial No. 403,124. PUBLISHED AUGUST 22, 1939. Class 2.

372,717. COIN CONTROLLED VENDING MACHINES. FRANCIS A. WITTERN, doing business as Hawkeye Novelty Company, Des Moines, Iowa.
Filed April 25, 1938. Serial No. 405,708. PUBLISHED SEPTEMBER 5, 1939. Class 23.

372,718. METAL-FACED WOOD TRACK-RAIL TIES, THE WOOD BEING PREFERABLY TREATED WITH A PRESERVATIVE. THE WOOD PRESERVING CORPORATION, Pittsburgh, Pa.
Filed April 28, 1938. Serial No. 405,833. PUBLISHED SEPTEMBER 5, 1939. Class 12.

372,719. BICYCLES. ARNOLD, SCHWINN & CO., Chicago, Ill.
Filed May 13, 1938. Serial No. 406,272. PUBLISHED SEPTEMBER 5, 1939. Class 19.

372,720. CLOTHES DRYING FRAME. HARRIET HOLDER FRENCH, Newport, R. I., assignor to Bloc-Dry Incorporated, New Haven, Conn., a corporation of Connecticut.
Filed June 7, 1938. Serial No. 407,185. PUBLISHED AUGUST 29, 1939. Class 24.

372,721. LUBRICATING OIL. HUDSON OIL CO., Kansas, City, Kans.
Filed June 16, 1938. Serial No. 407,549. PUBLISHED AUGUST 29, 1939. Class 15.

372,722. PERIODICAL PUBLICATION. GIBSON & GIPSON, New York, N. Y., assignor to Endeavor Publishing Corporation, New York, N. Y., a corporation of New York.
Filed June 28, 1938. Serial No. 407,980. PUBLISHED AUGUST 29, 1939. Class 38.

372,723. POTATOES. THOMAS S. VANDERFORD, Aberdeen, Idaho.
Filed July 18, 1938. Serial No. 408,629. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,724. SUCTION FANS FOR ATTIC VENTILATION. GULF BREEZE COMPANY, Dallas, Tex.
Filed July 19, 1938. Serial No. 408,640. PUBLISHED OCTOBER 4, 1938. Class 34.

372,725. CAPLESS COLLAPSIBLE TUBES SOLD TO THE TRADE EMPTY AND OPEN AT ONE END. VICTOR METAL PRODUCTS CORPORATION, New York and Brooklyn, N. Y.
Filed July 26, 1938. Serial No. 408,934. PUBLISHED AUGUST 29, 1939. Class 2.

372,726. BICYCLES. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del.
Filed August 2, 1938. Serial No. 409,177. PUBLISHED AUGUST 29, 1939. Class 19.

372,727. SMOKERS' PIPES. LONDON HOUSE, LTD., New York, N. Y.
Filed August 24, 1938. Serial No. 409,925. PUBLISHED SEPTEMBER 5, 1939. Class 8.

372,728. CANNED PORK LOAF. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed August 24, 1938. Serial No. 409,929. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,729. WINES. PAUL RUINART & CIE, Reims and Paris, France.
Filed August 25, 1938. Serial No. 409,977. PUBLISHED AUGUST 29, 1939. Class 47.

372,730. BOURBON WHISKEY. JOHN A. WATHEN DISTILLERY COMPANY, Louisville and Lebanon, Ky.
Filed September 7, 1938. Serial No. 410,349. PUBLISHED SEPTEMBER 5, 1939. Class 49.

372,731. ELECTRIC SAFETY RAZOR. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed September 17, 1938. Serial No. 410,684. PUBLISHED SEPTEMBER 5, 1939. Class 23.

372,732. MOTOR SUPERVISING INSTRUMENTS—NAMELY, REVOLUTION COUNTERS, PRESSURE GAUGES, OUTPUT GAUGES. PERAVIA S. A., Bern, Switzerland.
Filed September 17, 1938. Serial No. 410,704. PUBLISHED SEPTEMBER 5, 1939. Class 26.

372,733. PAPER—PARTICULARLY FILTER PAPER, CARDBOARD, CIRCULAR FILTER PAPER, FOLDED FILTER PAPER, SECTIONAL PAPER, RULED PAPER, DRAWING PAPER, DETAIL-DRAWING PAPER, AND WRITING PAPER. CARL SCHLEICHER & SCHÜLL, Duren, Germany.
Filed September 20, 1938. Serial No. 410,801. PUBLISHED SEPTEMBER 5, 1939. Class 37.

372,734. CANNED AND DRIED FRUITS, CANNED VEGETABLES, CANNED SPAGHETTI, FRUIT PRESERVES, CANNED MINCE MEAT, MAPLE SYRUP, ETC. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed September 29, 1938. Serial No. 411,071. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,735. FANS AND BLOWERS FOR VENTILATING AND COOLING, AND COMPLETE VENTILATING AND COOLING UNITS. TRADE-WIND MOTORFANS, INC., Los Angeles, Calif.
Filed October 24, 1938. Serial No. 412,012. PUBLISHED AUGUST 29, 1939. Class 34.

372,736. HEAT EXCHANGE TUBING. THERMEK CORPORATION, Chicago, Ill.
Filed November 28, 1938. Serial No. 413,252. PUBLISHED AUGUST 29, 1939. Class 13.

372,737. WHISKEY. GOODERHAM & WORTS LIMITED, Detroit, Mich., and Peoria, Ill.
Filed December 2, 1938. Serial No. 413,400. PUBLISHED SEPTEMBER 5, 1939. Class 49.

372,738. WHISKEY. GOODERHAM & WORTS LIMITED, Detroit, Mich., and Peoria, Ill.
Filed December 2, 1938. Serial No. 413,401. PUBLISHED SEPTEMBER 5, 1939. Class 49.

372,739. CERAMIC TABLEWARE AND VASES. EDWARD P. PAUL & CO., INC., New York, N. Y.
Filed December 7, 1938. Serial No. 413,557. PUBLISHED AUGUST 29, 1939. Class 30.

372,740. LUBRICATING OIL. HUDSON OIL CO., Kansas City, Kans.
Filed December 17, 1938. Serial No. 413,971. PUBLISHED AUGUST 29, 1939. Class 15.

372,741. THERMAL INSULATING MATERIAL. SHEPARD HERMAN, Boston, Mass.
Filed December 29, 1938. Serial No. 414,295. PUBLISHED AUGUST 29, 1939. Class 12.

372,742. VALVE INSIDES. THE DILL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed January 11, 1939. Serial No. 414,691. PUBLISHED AUGUST 29, 1939. Class 13.

372,743. EXPANSION VALVES. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed January 12, 1939. Serial No. 414,734. PUBLISHED AUGUST 29, 1939. Class 13.

372,744. ROWBOATS AND MOTORBOATS AND CANOES. BOUTELLS CORPORATION, Minneapolis, Minn.
Filed January 21, 1939. Serial No. 415,070. PUBLISHED AUGUST 29, 1939. Class 19.

372,745. SALTED, CANDIED, AND PLAIN NUT MEATS. THE KELLING NUT CO., Chicago, Ill.
Filed January 23, 1939. Serial No. 415,127. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,746. NONALCOHOLIC MALTLESS BEVERAGES. C. H. BOEHRINGER SOHN, Nieder-Ingelheim-on-the-Rhine, Germany.
Filed February 7, 1939. Serial No. 415,701. PUBLISHED SEPTEMBER 5, 1939. Class 45.

372,747. PAPER CARTONS. MENASHA PRODUCTS COMPANY, Menasha, Wis.
Filed February 11, 1939. Serial No. 415,954. PUBLISHED AUGUST 22, 1939. Class 2.

372,748. HAMS, BACON, SAUSAGES, FRANKFURTERS, PORK, BEEF, LAMB, VEAL, NUTS, COFFEE, TEA, SPICES, CANNED AND SMOKED HERRING, CANNED FISH, ETC. M. H. GREENEBAUM, INC., New York, N. Y.
Filed February 25, 1939. Serial No. 416,418. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,749. MARSHMALLOWS. THE SHOTWELL MANUFACTURING CO., Chicago, Ill.
Filed February 25, 1939. Serial No. 416,441. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,750. VEHICLE WHEELS. ANTONIO GENTILE AND NICHOLAS A. MARGIOTTA, Brooklyn, N. Y.
Filed March 3, 1939. Serial No. 416,650. PUBLISHED AUGUST 29, 1939. Class 19.

372,751. CONCRETE AND INGREDIENTS THEREOF, CEMENT, PLASTER, CONCRETE WATERPROOFING, CONCRETE HARDENER, ETC. CHARLES H. MAKINS, doing business as Makins Sand and Gravel Company, Oklahoma City, Okla.
Filed March 20, 1939. Serial No. 417,288. PUBLISHED SEPTEMBER 5, 1939. Class 12.

372,752. AIRCRAFT PROPELLERS, PARTS, AND ATTACHMENTS THEREFOR. UNITED AIRCRAFT CORPORATION, East Hartford, Conn.
Filed March 23, 1939. Serial No. 417,420. PUBLISHED AUGUST 29, 1939. Class 19.

372,753. PRINTED CARDS CONTAINING RACING SELECTIONS AND COMMENTS AND FOR A NEWS COLUMN. NATIONAL SPORTING INFORMATION BUREAU, Washington, D. C.
Filed March 31, 1939. Serial No. 417,706. PUBLISHED SEPTEMBER 5, 1939. Class 38.

372,754. FLY RIBBONS. STONE STRAW CORPORATION, Washington, D. C.
Filed April 13, 1939. Serial No. 418,213. PUBLISHED SEPTEMBER 5, 1939. Class 50.

372,755. FLY RIBBONS. STONE STRAW CORPORATION, Washington, D. C.
Filed April 13, 1939. Serial No. 418,215. PUBLISHED SEPTEMBER 5, 1939. Class 50.

372,756. CELLULOSE ACETATE, CELLULOSE NITRATE, AND CELLULOSE ACETATE STEARATE PRODUCTS—NAMELY, CONTAINERS IN TUBE-LIKE FORMATION, CYLINDRICAL AND ODD SHAPED CANS, COLLAPSIBLE TUBES, VIALS, AND BOTTLES. HYGIENIC TUBE & CONTAINER CORPORATION, Newark, N. J.
Filed April 14, 1939. Serial No. 418,244. PUBLISHED AUGUST 22, 1939. Class 2.

372,757. COMBINED STILL PICTURE PROJECTOR AND SOUND ATTACHMENT. TALKING SALES PICTURES INCORPORATED, Chicago, Ill.
Filed April 14, 1939. Serial No. 418,272. PUBLISHED SEPTEMBER 5, 1939. Class 26.

372,758. FACIAL TISSUES. FEDERAL PAPER CORPORATION, Brooklyn, N. Y.
Filed April 17, 1939. Serial No. 418,334. PUBLISHED SEPTEMBER 5, 1939. Class 37.

372,759. FLEXIBLE TUBING, ALL BEING GOODS MADE OF ORDINARY METAL. BOWDEN (ENGINEERS) LIMITED, London, England.
Filed April 22, 1939. Serial No. 418,561. PUBLISHED AUGUST 29, 1939. Class 13.

372,760. WINES. GLOBE DISTRIBUTING COMPANY, Baltimore, Md.
Filed April 24, 1939. Serial No. 418,635. PUBLISHED AUGUST 29, 1939. Class 47.

372,761. AGITATING DRIVE EQUIPMENT, INCLUDING THE DRIVE TRANSMISSION UNIT FROM THE MOTOR TO THE AGITATOR CONNECTING SHAFTS, STIRRER, AND IMPELLER, AND RECEPTACLE WHEN IT AND THE ABOVE ARE BUILT AS A SELF-CONTAINED UNIT, BUT NOT RECEPTACLES ALONE. NEW ENGLAND TANK & TOWER COMPANY, Everett, Mass.
Filed April 27, 1939. Serial No. 418,786. PUBLISHED SEPTEMBER 5, 1939. Class 23.

372,762. SEALING STRIPS OF THE MECHANICAL TYPE TO BE USED IN BUILDING STRUCTURES AND DEVICES FOR PROVIDING AN AIR, OR WEATHER TIGHT SEAL BETWEEN RELATIVELY MOVABLE PARTS. G. W. GAIL, INC., Baltimore, Md.
Filed April 27, 1939. Serial No. 418,861. PUBLISHED AUGUST 29, 1939. Class 12.

372,763. ELECTRICALLY LIGHTED MAGNIFYING LENS MOUNTING AND ENVELOPE SEALING UNITS. EUGENE W. PIKE, Elizabeth, N. J.
Filed April 29, 1939. Serial No. 418,863. PUBLISHED SEPTEMBER 5, 1939. Class 26.

372,764. HANDBAGS, TRUNKS. SEBASTIAN S. KRESGE, doing business as Kresge Department Store, Newark, N. J.
Filed May 3, 1939. Serial No. 419,024. PUBLISHED AUGUST 29, 1939. Class 3.

372,765. STEAM PRESSURE COOKING UNITS UTILIZING STEAM FROM CENTRAL SOURCE OR EQUIPPED WITH BUILT IN HEAT. THE CLEVELAND RANGE COMPANY, Cleveland, Ohio.
Filed May 6, 1939. Serial No. 419,142. PUBLISHED AUGUST 29, 1939. Class 34.

372,766. ELECTRIC TIMING CONTROLLERS OPERATIVE IN RELATION TO CURRENT FLOW IN THE CIRCUIT BEING CONTROLLED, WHEREIN THE TIMING PERIODS ARE DEPENDENT UPON THE ELECTRICAL CONDITION OF A CONDENSER. THE ELECTRIC CONTROLLER & MFG. CO., Cleveland, Ohio.
Filed May 8, 1939. Serial No. 419,186. PUBLISHED SEPTEMBER 5, 1939. Class 21.

372,767. BALANCE COMPUTERS — I. E., INSTRUMENTS FOR COMPUTING THE LOCATION OF THE LOAD CENTER IN AIRCRAFT, UNDER VARYING LOAD DISTRIBUTION. LEWIS W. IMM, Burbank, Calif.
Filed May 9, 1939. Serial No. 419,226. PUBLISHED SEPTEMBER 5, 1939. Class 26.

372,768. PACKAGED KINDLING FUELS, PARTICULARLY PAPER SACKS OR BAGS CONTAINING READILY IGNITIBLE FUELS FOR FIRE STARTING PURPOSES. QUICKHEET COAL COMPANY, St. Louis, Mo.
Filed May 11, 1939. Serial No. 419,311. PUBLISHED SEPTEMBER 5, 1939. Class 1.

372,769. PUBLICATIONS INCLUDING SUBJECT-MATTER APPERTAINING TO THE RADIO INDUSTRY PUBLISHED MONTHLY. SERVICE INSTRUMENTS, INC., New York, N. Y.
Filed May 22, 1939. Serial No. 419,641. PUBLISHED AUGUST 29, 1939. Class 38.

372,770. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, ETC. SHULTON, INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,883. PUBLISHED SEPTEMBER 5, 1939. Class 4.

372,771. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, ETC. SHULTON, INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,888. PUBLISHED SEPTEMBER 5, 1939. Class 4.

372,772. SOCIAL REGISTERS OR DIRECTORIES ISSUED ANNUALLY. FREDERICK W. DAU, New York, N. Y.
Filed May 29, 1939. Serial No. 419,955. PUBLISHED AUGUST 29, 1939. Class 38.

372,773. CERAMIC DINNERWARE AND COOKING WARE. EASTERN OUTFITTING CO. OF LOS ANGELES, CAL., Los Angeles, Huntington Park, Pasadena, and Long Beach, Calif.
Filed May 29, 1939. Serial No. 419,958. PUBLISHED AUGUST 29, 1939. Class 30.

372,774. WALLETS, KEY-CASES, COIN PURSES, LETTER CASES, FITTED DRESSING CASES. ELCO MANUFACTURING CO., New York, N. Y.
Filed May 29, 1939. Serial No. 419,960. PUBLISHED AUGUST 22, 1939. Class 3.

372,775. LUBRICATING OILS AND GREASES FOR MOTOR VEHICLES, HYDRAULIC BRAKE OILS, CRANK CASE OILS, SHOCK-ABSORBER OILS, AND PENETRATING OILS. STRAUSS STORES CORP., Maspeth, Long Island, N. Y.
Filed May 31, 1939. Serial No. 420,027. PUBLISHED AUGUST 29, 1939. Class 15.

372,776. PURE GUM TURPENTINE. TURPENTINE & ROSIN FACTORS, INC., Jacksonville, Fla.
Filed May 31, 1939. Serial No. 420,038. PUBLISHED SEPTEMBER 5, 1939. Class 16.

372,777. CHINAWARE—NAMELY, TEAPOTS, COFFEE POTS, ALL CERAMIC CASSEROLES, CREAM PITCHERS, WATER PITCHERS, AND PLATES. HALL CHINA COMPANY, East Liverpool, Ohio.
Filed June 1, 1939. Serial No. 420,058. PUBLISHED AUGUST 29, 1939. Class 30.

372,778. CARBON PAPER AND TYPEWRITER RIBBONS. OLD TOWN RIBBON & CARBON CO. INC., New York, N. Y.
Filed June 2, 1939. Serial No. 420,110. PUBLISHED AUGUST 22, 1939. Class 11.

372,779. STAPLE DRIVING AND CLINCHING MACHINES AND IMPLEMENTS, AND TACKERS. THE STAR PAPER FASTENER CO., INC., Norwalk, Conn.
Filed June 2, 1939. Serial No. 420,117. PUBLISHED SEPTEMBER 5, 1939. Class 23.

372,780. SILVERPLATED FLATWARE. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass.
Filed June 3, 1939. Serial No. 420,139. PUBLISHED AUGUST 29, 1939. Class 28.

372,781. FRESH CANTALOUPES. FOOD MACHINERY CORPORATION, San Jose, Calif.
Filed June 5, 1939. Serial No. 420,173. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,782. BABY CHICKS. IDA B. WOLF, doing business as Wolf Farmers' Friend Hatchery, Gibsonburg, Ohio.
Filed June 5, 1939. Serial No. 420,197. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,783. FINGER RINGS AND FINGER RING SETTINGS, MADE OF PRECIOUS METAL. SHIMAN BROS. & CO., INC., New York, N. Y.
Filed June 9, 1939. Serial No. 420,342. PUBLISHED SEPTEMBER 5, 1939. Class 28.

372,784. MONTHLY PUBLICATION. AMERICAN WEEKLY, INC., New York, N. Y.
Filed June 10, 1939. Serial No. 420,356. PUBLISHED SEPTEMBER 5, 1939. Class 38.

372,785. ELECTRONIC PIANOS. STORY & CLARK PIANO COMPANY, Chicago, Ill.
Filed June 10, 1939. Serial No. 420,393. PUBLISHED SEPTEMBER 5, 1939. Class 36.

372,786. BOOKS, PAMPHLETS, AND DIRECTORIES, ISSUED PERIODICALLY. CATHOLIC UNIVERSITY OF AMERICA, Washington, D. C.
Filed June 12, 1939. Serial No. 420,399. PUBLISHED SEPTEMBER 5, 1939. Class 38.

372,787. PERIODICAL. MARY THERESA GRONICH, doing business as Eureka Publishing Corporation, New York, N. Y.
Filed June 12, 1939. Serial No. 420,411. PUBLISHED AUGUST 29, 1939. Class 38.

372,788. LUMBER, WOODWORK, PANELING, FLOORING, AND OTHER STANDARD SAW AND PLANING MILL PRODUCTS. PACIFIC LUMBER INSPECTION BUREAU, Seattle, Wash.
Filed June 12, 1939. Serial No. 420,427. PUBLISHED AUGUST 29, 1939. Class 12.

372,789. RAIL-STEEL CONCRETE REINFORCEMENT BARS. RAIL STEEL BAR ASSOCIATION, Chicago, Ill.
Filed June 12, 1939. Serial No. 420,430. PUBLISHED AUGUST 29, 1939. Class 12.

372,790. CANDY. HARDIE BROTHERS COMPANY, Pittsburgh, Pa.
Filed June 13, 1939. Serial No. 420,454. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,791. PAINTS, (READY MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, DRY PAINT COLORS, PAINT PIGMENTS, PAINT REDUCERS, PAINT EXTENDERS, AND PAINT THINNERS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed June 13, 1939. Serial No. 420,464. PUBLISHED SEPTEMBER 5, 1939. Class 16.

372,792. GARMENT BAGS MADE OF KRAFT PAPER. THE CROMWELL PAPER COMPANY, Chicago, Ill.
Filed June 15, 1939. Serial No. 420,516. PUBLISHED SEPTEMBER 5, 1939. Class 2.

372,793. PERIODICAL. MARY THERESA GRONICH, doing business as Synopsis Publishing Corp., New York, N. Y.
Filed June 15, 1939. Serial No. 420,523. PUBLISHED SEPTEMBER 5, 1939. Class 38.

372,794. PRIMERS AND UNDERCOATERS IN PASTE AND LIQUID FORM, INCLUDING THEREIN A GERMICIDAL, INSECTICIDAL, OR FUNGICIDAL AGENT INHIBITING MOLD, BACTERIA, OR VERMIN. I. F. LAUCKS, INC., Seattle, Wash.
Filed June 16, 1939. Serial No. 420,589. PUBLISHED SEPTEMBER 5, 1939. Class 16.

372,795. EMERGENCY LIGHTS (CHEMICAL FLARES). HUNTER MANUFACTURING CORPORATION, Bristol, Pa.
Filed June 17, 1939. Serial No. 420,637. PUBLISHED SEPTEMBER 5, 1939. Class 9.

372,796. FRESH VEGETABLES—NAMELY, CARROTS. PREMIER PRODUCE COMPANY, Salinas, Calif.
Filed June 17, 1939. Serial No. 420,644. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,797. WHISKEY. ALEXANDER YOUNG DISTILLING CO., Philadelphia, Pa.
Filed June 17, 1939. Serial No. 420,658. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,798. MAYONNAISE, FRENCH DRESSING, SALAD DRESSING, SANDWICH SPREAD, JELLIES, FRUIT PRESERVES, TEA PARTY PICKLES, SWEET MIXED PICKLES, SOUR PICKLES, SWEET RELISH, SWEET PICKLES, SWEET MUSTARD PICKLES, SWEET ONIONS, DILL PICKLES, VINEGAR, PREPARED MUSTARD, AND SALAD MUSTARD. GREEN BAY FOOD CO., Green Bay, Wis.
Filed June 19, 1939. Serial No. 420,670. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,799. WRITING PAPER AND ENVELOPES. TOWNSEND NATIONAL WEEKLY, INC., Chicago, Ill.
Filed June 19, 1939. Serial No. 420,701. PUBLISHED SEPTEMBER 5, 1939. Class 37.

372,800. WALL PAPER. UNITED WALL PAPER FACTORIES, INC., Chicago, Ill.
Filed June 20, 1939. Serial No. 420,732. PUBLISHED SEPTEMBER 5, 1939. Class 37.

372,801. INGREDIENTS FOR THE PREPARATION OF A PLASTIC COMPOSITION COMPRISING LATEX AND A HYDRAULIC SETTING CEMENTITIOUS MATERIAL. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed June 21, 1939. Serial No. 420,743. PUBLISHED AUGUST 29, 1939. Class 12.

372,802. PIECE GOODS OF SILKS, RAYONS, AND COTTONS. CARL R. HELLMAN, INC., New York, N. Y., assignor to National Fabrics Corporation, New York, N. Y., a corporation.
Filed June 21, 1939. Serial No. 420,764. PUBLISHED SEPTEMBER 5, 1939. Class 42.

372,803. LIQUID PAINTS, PASTE PAINTS, VARNISHES, PAINT ENAMELS, STAINS, JAPAN DRIERS, COLORS IN OIL, PAINT AND VARNISH REMOVER, PUTTY, AND COLORS IN JAPAN. MARINE PAINT & VARNISH CO., INCORPORATED, New Orleans, La.
Filed June 21, 1939. Serial No. 420,773. PUBLISHED SEPTEMBER 5, 1939. Class 16.

372,804. CIGARETTES. STEPHANO BROTHERS, Philadelphia, Pa.
Filed June 21, 1939. Serial No. 420,783. PUBLISHED SEPTEMBER 5, 1939. Class 17.

372,805. RUBBER COMPOUND WITH WHICH OTHER INGREDIENTS ARE MIXED TO FORM A PRODUCT FOR USE AS A FLOORING, A MATERIAL FOR BONDING A TREAD TO WOOD, A CORKING, AND FOR OTHER SIMILAR USES. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y.
Filed June 22, 1939. Serial No. 420,799. PUBLISHED AUGUST 29, 1939. Class 12.

372,806. LIQUID ASPHALT CUT BACK WHICH MAY OR MAY NOT CONTAIN FILLERS. ASPHALT PROCESS CORPORATION, New York, N. Y.
Filed June 22, 1939. Serial No. 420,800. PUBLISHED AUGUST 29, 1939. Class 12.

372,807. BAGS MADE FROM LAMINATED MATERIAL COMPOSED OF LAYERS OF TEXTILE AND PAPER. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed June 22, 1939. Serial No. 420,801. PUBLISHED AUGUST 29, 1939. Class 2.

372,808. COMBINATION FOOTBALL GAME AND FOOTBALL GAME SCHEDULES. FRANK A. CASO, New York, N. Y.
Filed June 22, 1939. Serial No. 420,806. PUBLISHED SEPTEMBER 5, 1939. Class 22.

372,809. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS USED FOR SOFT DRINKS. PHILIP S. FISCHER, Chicago, Ill.
Filed June 22, 1939. Serial No. 420,809. PUBLISHED SEPTEMBER 5, 1939. Class 45.

372,810. LUBRICANTS FOR USE IN WET WIRE DRAWING OPERATIONS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed June 22, 1939. Serial No. 420,821. PUBLISHED SEPTEMBER 5, 1939. Class 15.

372,811. GUARD RAIL CABLES, POSTS, OFFSETS, EXPANSION TAKEUPS, AND MISCELLANEOUS FITTINGS USED IN CONNECTION WITH HIGHWAY GUARD RAILS. LEWIS BOLT & NUT COMPANY, Minneapolis, Minn.
Filed June 22, 1939. Serial No. 420,824. PUBLISHED AUGUST 29, 1939. Class 12.

372,812. SUITCASES AND WARDROBE HAND LUGGAGE. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed June 23, 1939. Serial No. 420,859. PUBLISHED AUGUST 22, 1939. Class 3.

372,813. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND EXTRACTS USED IN MAKING SAME. SUN SPOT BEVERAGE COMPANY, Baltimore, Md.
Filed June 24, 1939. Serial No. 420918. PUBLISHED SEPTEMBER 5, 1939. Class 45.

372,814. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND EXTRACTS USED IN MAKING SAME. SUN SPOT BEVERAGE COMPANY, Baltimore, Md.
Filed June 24, 1939. Serial No. 420,919. PUBLISHED SEPTEMBER 5, 1939. Class 45.

372,815. NEWS COLUMN PUBLISHED DAILY. JOSEPH G. BROCATOR, Washington, D. C.
Filed June 26, 1939. Serial No. 420,934. PUBLISHED SEPTEMBER 5, 1939. Class 38.

372,816. MOTOR LUBRICATING OILS. GEO. G. GRUPE, JR., Bell, Calif.
Filed June 26, 1939. Serial No. 420,948. PUBLISHED SEPTEMBER 5, 1939. Class 15.

372,817. KNITTED AND TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON, COTTON, WOOL, AND ARTIFICIAL YARNS AND MIXTURES THEREOF. WILLIAM HELLER, INC., New York, N. Y.
Filed June 26, 1939. Serial No. 420,951. PUBLISHED SEPTEMBER 5, 1939. Class 42.

372,818. VENETIAN BLINDS, ROLLER BLINDS, WOODWEB SHADES, AND BAMBOO SHADES. SWEDISH VENETIAN BLIND CORP., North Bergen, N. J.
Filed June 26, 1939. Serial No. 420,976. PUBLISHED SEPTEMBER 5, 1939. Class 32.

372,819. SEMI-ANNUAL PUBLICATION RELATING TO FASHIONS. KIRBY, BLOCK & COMPANY, New York, N. Y.
Filed June 28, 1939. Serial No. 421,044. PUBLISHED AUGUST 29, 1939. Class 38.

372,820. PIECE GOODS MADE WHOLLY OR IN PART OF ACETATE, RAYON, SPUN RAYON, AND SILK. J. ROSENHOLZ INC., New York, N. Y.
Filed June 28, 1939. Serial No. 421,053. PUBLISHED SEPTEMBER 5, 1939. Class 42.

372,821. SOAPS AND CLEANSERS USED FOR CLEANING TILE, MARBLE, MOSAIC, ZINC, COPPER, BRASS, WINDOWS, FLOORS, AND THE LIKE. SANDY VALLEY GROCERY COMPANY, Ashland, Ky.
Filed June 28, 1939. Serial No. 421,056. PUBLISHED SEPTEMBER 5, 1939. Class 4.

372,822. BOTTLED WATER, GINGER ALE, SARSAPARILLA, BIRCH BEER, ROOT BEER, GRAPE SODA, ORANGE SODA, AND LIME RICKEY. SARATOGA VICHY SPRING COMPANY, Saratoga Springs, N. Y.
Filed June 29, 1939. Serial No. 421,101. PUBLISHED SEPTEMBER 5, 1939. Class 45.

372,823. COFFEE. SWANSON BROTHERS, INCORPORATED, Chicago, Ill.
Filed June 29, 1939. Serial No. 421,111. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,824. NEWSPAPER SECTION OR COLUMN. BOSTON TRANSCRIPT, INC., Boston, Mass.
Filed June 30, 1939. Serial No. 421,124. PUBLISHED SEPTEMBER 5, 1939. Class 38.

372,825. CANDY. SAMUEL S. FISHER, doing business as Fisher Nut & Chocolate Co., St. Paul, Minn.
Filed July 3, 1939. Serial No. 421,238. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,826. PAPERBOARD OR CORRUGATED PAPERBOARD STORAGE RECEPTACLES, AND MOTH-PROOF BAGS. ODORA COMPANY, INC., New York, N. Y.
Filed July 3, 1939. Serial No. 421,251. PUBLISHED AUGUST 29, 1939. Class 2.

372,827. WHEAT FLOUR. RUSSELL-MILLER MILLING CO., Minneapolis, Minn.
Filed July 3, 1939. Serial No. 421,256. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,828. LUGGAGE—NAMELY, OVERNIGHT CASES, HAT BAGS, SHOE AND HAT BAGS, WARDROBE CASES, PULLMAN CASES, MEN'S TWO-SUITER, FITTED CASES. THE TRAVELERS BAG CO., INC., New York, N. Y.
Filed July 3, 1939. Serial No. 421,267. PUBLISHED SEPTEMBER 5, 1939. Class 3.

372,829. CANDY. WILLIAMSON CANDY COMPANY, Chicago, Ill.
Filed July 3, 1939. Serial No. 421,273. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,830. CANNED FISH AND HONEY. HAMILTON & COMPANY, Los Angeles, Calif.
Filed July 5, 1939. Serial No. 421,288. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,831. OLIVES PACKED IN CANS AND IN BOTTLES. LA MIRADA OLIVE COMPANY, also doing business as Corning Olive Company, San Francisco, Calif.
Filed July 5, 1939. Serial No. 421,290. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,832. WHEAT FLOUR. FEDERAL MILL, INC., Lockport, N. Y.
Filed July 6, 1939. Serial No. 421,304. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,833. CAMERAS, PHOTOGRAPHIC LENSES, AND SENSITIZED PHOTOGRAPHIC FILMS. MATCH KING, INC., Chicago, Ill.
Filed July 7, 1939. Serial No. 421,349. PUBLISHED SEPTEMBER 5, 1939. Class 26.

372,834. ELECTRIC LIGHTING FIXTURES. CENTURY LIGHTING, INC., New York, N. Y.
Filed July 8, 1939. Serial No. 421,370. PUBLISHED SEPTEMBER 5, 1939. Class 21.

372,835. ZINC-TREATED ROSIN SOLUTION IN PETROLEUM SOLVENT. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed July 8, 1939. Serial No. 421,389. PUBLISHED SEPTEMBER 5, 1939. Class 1.

372,836. SOLID ZINC-TREATED ROSIN. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed July 8, 1939. Serial No. 421,391. PUBLISHED SEPTEMBER 5, 1939. Class 1.

372,837. SOLID ZINC-TREATED ROSIN. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed July 8, 1939. Serial No. 421,392. PUBLISHED SEPTEMBER 5, 1939. Class 1.

372,838. SOLID LIME-TREATED PALE ROSIN. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed July 8, 1939. Serial No. 421,393. PUBLISHED SEPTEMBER 5, 1939. Class 1.

372,839. HEAT-TREATED "X" GRADE WOOD ROSIN. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed July 8, 1939. Serial No. 421,394. PUBLISHED SEPTEMBER 5, 1939. Class 1.

372,840. WELDING CABLES. THE PROGRESSIVE WELDER COMPANY, Detroit, Mich.
Filed July 8, 1939. Serial No. 421,396. PUBLISHED SEPTEMBER 5, 1939. Class 21.

372,841. FRESH VEGETABLES AND MELONS. BYCO DISTRIBUTORS, INC., Phoenix, Ariz.
Filed July 10, 1939. Serial No. 421,417. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,842. CHAIRS AND SOFAS. J. L. CHASE COMPANY, Chicago, Ill.
Filed July 10, 1939. Serial No. 421,418. PUBLISHED SEPTEMBER 5, 1939. Class 32.

372,843. LUBRICATING OIL AND GASOLINE. CONTINENTAL OIL COMPANY, Ponca City, Okla.
Filed July 10, 1939. Serial No. 421,420. PUBLISHED SEPTEMBER 5, 1939. Class 15.

372,844. CONDENSED MILK PREPARATION FOR USE IN MAKING ICE CREAM AND FROZEN DESSERTS. M & R DIETETIC LABORATORIES, INC., Columbus, Ohio.
Filed July 10, 1939. Serial No. 421,433. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,845. BEER, ALE, PORTER. SOUTHERN BREWERIES, INC., Norfolk, Va.
Filed July 10, 1939. Serial No. 421,441. PUBLISHED SEPTEMBER 5, 1939. Class 48.

372,846. CLOTHESPINS. BERST-FORSTER-DIXFIELD COMPANY, Dixfield, Maine, and New York, N. Y.
Filed July 11, 1939. Serial No. 421,446. PUBLISHED AUGUST 22, 1939. Class 24.

372,847. MANIFOLD PAPER. BERST-FORSTER-DIXFIELD COMPANY, Dixfield, Maine, and New York, N. Y.
Filed July 11, 1939. Serial No. 421,447. PUBLISHED SEPTEMBER 5, 1939. Class 37.

372,848. SAFETY CHECKS. WESTERN LITHOGRAPH COMPANY, Los Angeles, Calif.
Filed July 11, 1939. Serial No. 421,467. PUBLISHED SEPTEMBER 5, 1939. Class 37.

372,849. WINDOW SHADES. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed July 12, 1939. Serial No. 421,475. PUBLISHED SEPTEMBER 5, 1939. Class 32.

372,850. HAND SOAP. GEORGE J. MARIE, doing business as Master Sales Company, Chicago, Ill.
Filed July 12, 1939. Serial No. 421,487. PUBLISHED SEPTEMBER 5, 1939. Class 4.

372,851. SILK PIECE GOODS AND CREPE PIECE GOODS OF SILK AND/OR ARTIFICIAL SILK. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed July 12, 1939. Serial No. 421,495. PUBLISHED SEPTEMBER 5, 1939. Class 42.

372,852. CARBON PAPER AND TYPEWRITER RIBBONS. CODO MANUFACTURING CORPORATION, Coraopolis, Pa., and Chicago, Ill.
Filed July 13, 1939. Serial No. 421,510. PUBLISHED SEPTEMBER 5, 1939. Class 11.

372,853. METALLIC OR OTHER BASIC MATERIAL RECEPTACLES OR TUBES FOR HOLDING LICENSE CARDS AND/OR OTHER IDENTIFICATION INFORMATION. SAMUEL C. FERRELL, Wabash, Ind.
Filed July 13, 1939. Serial No. 421,513. PUBLISHED SEPTEMBER 5, 1939. Class 2.

372,854. CANNED FRUITS FOR SALADS, FRUITS FOR COCKTAIL, AND GRAPEFRUIT. HOLLEB & COMPANY, Chicago, Ill.
Filed July 13, 1939. Serial No. 421,516. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,855. FINISHED CURTAINS AND CURTAIN MATERIALS IN THE PIECE. MAYER NEUMAIER CORP., New York, N. Y.
Filed July 13, 1939. Serial No. 421,522. PUBLISHED SEPTEMBER 5, 1939. Class 42.

372,856. ELECTRICAL CONNECTING UNITS FOR WIRES. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio.
Filed July 13, 1939. Serial No. 421,529. PUBLISHED SEPTEMBER 5, 1939. Class 21.

372,857. DUVETYN FABRICS IN THE PIECE MADE OF SILK, RAYON, COTTON, OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed July 14, 1939. Serial No. 421,565. PUBLISHED SEPTEMBER 5, 1939. Class 42.

372,858. SPECTACLE LENSES, GOGGLE LENSES, AND BLANKS THEREFOR. OPTICAL INDUSTRIES, INC., Indianapolis, Ind.
Filed July 14, 1939. Serial No. 421,576. PUBLISHED SEPTEMBER 5, 1939. Class 26.

372,859. PIECE GOODS OF COTTON, LINEN, WOOLEN, SILK, RAYON, AND COMBINATIONS THEREOF. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed July 15, 1939. Serial No. 421,599. PUBLISHED SEPTEMBER 5, 1939. Class 42.

372,860. VACUUM BOTTLES AND HEAT INSULATED RECEPTACLES—NAMELY, HEAT-INSULATED JUGS, PORTABLE HEAT-INSULATED FOOD CONTAINERS, AND PORTABLE HEAT-INSULATED BEVERAGE CONTAINERS. ALADDIN INDUSTRIES INCORPORATED, Alexandria, Ind., and Chicago, Ill.
Filed July 17, 1939. Serial No. 421,628. PUBLISHED AUGUST 22, 1939. Class 2.

372,861. ICE. BEVERIGE ICE MARKETERS, INC., Philadelphia, Pa.
Filed July 17, 1939. Serial No. 421,636. PUBLISHED SEPTEMBER 5, 1939. Class 1.

372,862. GAME PLAYED WITH PIECES IN THE NATURE OF DOMINOES. PARKER BROTHERS, INC., Salem, Mass.
Filed July 18, 1939. Serial No. 421,711. PUBLISHED SEPTEMBER 5, 1939. Class 22.

372,863. PESSARIES. GENERAL MEDICINAL COMPANY, Detroit, Mich.
Filed July 20, 1939. Serial No. 421,769. PUBLISHED SEPTEMBER 5, 1939. Class 44.

372,864. LEATHER POCKET CASE FOR CONTAINING CARDS OR BOOKLETS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 21, 1939. Serial No. 421,801. PUBLISHED SEPTEMBER 5, 1939. Class 3.

372,865. INHALERS FOR THE CONCENTRATED APPLICATION OF HOT MEDICATED VAPORS TO NASAL PASSAGES AND MEMBRANES OF THE UPPER THROAT. SHERMAN H. BROWNLEE, doing business as Med-O-Vapo Co., Minneapolis, Minn.
Filed July 24, 1939. Serial No. 421,870. PUBLISHED SEPTEMBER 5, 1939. Class 44.

372,866. MATTRESSES. L. BAMBERGER & CO., Newark, N. J.
Filed July 26, 1939. Serial No. 421,961. PUBLISHED SEPTEMBER 5, 1939. Class 32.

372,867. HEARING AID DEVICES. COMMUNITY OPTICIAN, $7.00 EYE GLASSES, MANHATTAN CORP., New York, N. Y.
Filed July 26, 1939. Serial No. 421,965. PUBLISHED SEPTEMBER 5, 1939. Class 44.

372,868. INNER TUBES FOR AUTOMOBILE TIRES. MANNING MFG. CO., Rutland, Vt.
Filed July 26, 1939. Serial No. 421,976. PUBLISHED SEPTEMBER 5, 1939. Class 35.

372,869. BRAKE LINING. THE GARLOCK PACKING COMPANY, Palmyra, N. Y.
Filed July 27, 1939. Serial No. 422,006. PUBLISHED SEPTEMBER 5, 1939. Class 35.

372,870. BRAKE LINING. THE GARLOCK PACKING COMPANY, Palmyra, N. Y.
Filed July 27, 1939. Serial No. 422,007. PUBLISHED SEPTEMBER 5, 1939. Class 35.

372,871. INFANTS' BEDS OR HAMMOCKS. FRANK M. HOOVER, INC., Youngstown, Ohio.
Filed July 29, 1939. Serial No. 422,095. PUBLISHED SEPTEMBER 5, 1939. Class 32.

372,872. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed July 29, 1939. Serial No. 422,103. PUBLISHED SEPTEMBER 5, 1939. Class 49.

372,873. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JAS. E. PEPPER & COMPANY, Lexington, Ky., and New York, N. Y.
Filed July 29, 1939. Serial No. 422,104. PUBLISHED SEPTEMBER 5, 1939. Class 49.

372,874. WHISKEY. NATIONAL WINE & LIQUOR CO., INC., Chicago, Ill.
Filed July 31, 1939. Serial No. 422,146. PUBLISHED SEPTEMBER 5, 1939. Class 49.

372,875. NAILS. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn.
Filed June 22, 1939. Serial No. 420,805. PUBLISHED SEPTEMBER 12, 1939. Class 13.

372,876. NAILS. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn.
Filed June 23, 1939. Serial No. 420,848. PUBLISHED SEPTEMBER 12, 1939. Class 13.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

372,877. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE STARR PIANO COMPANY, RICHMOND, INDIANA, PACIFIC DIVISION, Los Angeles, Calif. Filed July 26, 1937. Serial No. 395,656.

SPEEDY

For Sound Effect Disc Records.
Claims use since Nov. 27, 1936.

372,878. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y. Filed Mar. 9, 1938. Serial No. 403,856.

SPEEDfeed

For Rock Drill Apparatus—Namely, Automatic Feeding Attachments Therefor.
Claims use since Nov. 12, 1936.

372,879. (CLASS 43. THREAD AND YARN.) CARON SPINNING COMPANY, Rochelle, Ill. Filed Aug. 22, 1938. Serial No. 409,839.

KORSPUN

For Yarn.
Claims use since July 30, 1938.

372,880. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANHATTAN PICKLE COMPANY, Chicago, Ill. Filed Sept. 24, 1938. Serial No. 410,961.

Wine Cured

Manhattan Pickle Co.

Applicant is the owner of registration No. 241,912, dated May 8, 1928.
For Pickles, Especially Dill Pickles.
Claims use since Aug. 15, 1933.

372,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANHATTAN PICKLE COMPANY, Chicago, Ill. Filed Sept. 24, 1938. Serial No. 410,962.

Wine Flavored

Manhattan Pickle Co.

Applicant is the owner of registration No. 241,912, dated May 8, 1928.
For Pickles.
Claims use since Aug. 15, 1933.

372,882. (CLASS 45. BEVERAGES, NONALCOHOLIC.) OTIS COPPOCK, Kokomo, Ind. Filed Oct. 5, 1938. Serial No. 411,291.

Thirst-Quench

For Nonalcoholic, Maltless Beverages.
Claims use since Aug. 18, 1938.

372,883. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TABIN-PICKER & COMPANY, Chicago, Ill. Filed Oct. 14, 1938. Serial No. 411,620.

Pebbleruff

For Piece Goods of Rayon with Ten Per Cent Silk.
Claims use since Aug. 22, 1938.

372,884. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARVE FRERES, INC., New York, N. Y. Filed Oct. 18, 1938. Serial No. 411,738.

El-Morocco Jersey

For Piece Goods of Silk and Rayon and Piece Goods of Mixtures of These Materials.
Claims use since Sept. 29, 1938.

372,885. (CLASS 47. WINES.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Nov. 7, 1938. Serial No. 412,434.

Edouard Laon & Cie

For Champagne.
Claims use since Oct. 11, 1938.

372,886. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRED M. GIDDINGS, Galesburg, Ill. Filed Nov. 7, 1938. Serial No. 412,448.

"SCRAPE-ZIT"

For Scraping Tools Used for Scraping Painted, Varnished, Coated, and Other Surfaces in General, Used for Scraping Putty and Other Material from Windows, and for Household Utility Surface Scraping.
Claims use since Sept. 22, 1938.

372,887. (CLASS 32. FURNITURE AND UPHOLSTERY.) HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis. Filed Jan. 12, 1939. Serial No. 414,736.

Table Trainer

For Furniture—Namely, Juvenile Tables and Chairs.
Claims use since November, 1934.

372,888. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) POLLY STERLING, INC., Oshkosh, Wis. Filed Feb. 2, 1939. Serial No. 415,525.

Polly Sterling's

For Silver Polish.
Claims use since Jan. 25, 1932.

372,889. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SHOE FORM CO., INC., Auburn, N. Y. Filed Feb. 4, 1939. Serial No. 415,612.

Tu-toe

For Shoe Forms.
Claims use since Sept. 17, 1938.

372,890. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL ENGINEERS EQUIPMENT CO., Melrose Park, Ill. Filed Feb. 20, 1939. Serial No. 416,251.

ISOLATOR

For Electric Switches.
Claims use since Mar. 1, 1932.

372,891. (CLASS 37. PAPER AND STATIONERY.) A. W. FABER, INC., doing business as Johann Faber, Newark, N. J. Filed Mar. 1, 1939. Serial No. 416,553.

BERKELEY

For Lead Pencils, Crayon Pencils, Ink Pencils, and Mechanical Pencils.
Claims use since Sept. 1, 1938.

372,892. (CLASS 37. PAPER AND STATIONERY.) EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y. Filed Mar. 11, 1939. Serial No. 416,971.

DALE PAPER FASTENERS

For Paper Fasteners.
Claims use since July, 1923.

372,893. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HILL & MCLAUGHLIN, INC., Minneapolis, Minn. Filed May 17, 1939. Serial No. 419,514.

DIME-LINE

For Razor Blades.
Claims use since Jan. 17, 1933.

372,894. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ROSA E. TUTTLE, Newark, N. J. Filed June 24, 1939. Serial No. 420,922.

Colmar

For Dental Casting Golds, Especially Compounded Preparations to be Used for Structural Service, by Dentists, Technicians, and Laboratories, Containing High Grade Dental Alloys, Dental Golds, Solders, and Amalgam.
Claims use since Jan. 1, 1900.

372,895. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BUEGELEISEN & JACOBSON, New York, N. Y. Filed July 25, 1939. Serial No. 421,925.

Coudet et Cie

For Clarinet, Alto Clarinet, Bass Clarinet, Oboe, Bassoon, English Horn, Trumpet, Cornet, Trombone, Saxophone, Upright Alto, Circular Alto, Eb Bass, BBb Bass, Mellophone, French Horn, Sousaphone, and Parts Thereof, Mouthpieces, Ligature, and Reeds.
Claims use since Sept. 1, 1929.

372,896. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROYAL SILVER MFG. CO. INC., Norfolk, Va. Filed Aug. 26, 1939. Serial No. 423,035.

ALLEGHENY

For Knives, Forks, and Spoons of Non-Precious Metals. Claims use since Sept. 3, 1932.

372,897. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROYAL SILVER MFG. CO. INC., Norfolk, Va. Filed Aug. 26, 1939. Serial No. 423,037.

ALLEGHENY ★ METAL

For Knives, Forks, and Spoons of Non-Precious Metals. Claims use since May 1, 1935.

372,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. E. HARDEN, doing business as E. E. Harden Packing Company, Salinas, Calif. Filed Sept. 11, 1939. Serial No. 423,498.

HARD'N FRESH

For Fresh Vegetables.
Claims use since July, 1937.

372,899. (CLASS 32. FURNITURE AND UPHOLSTERY.) LI-ON BEDDING COMPANY, Milwaukee, Wis. Filed Sept. 18, 1939. Serial No. 423,704.

TRIPLE CUSHION

For Mattresses.
Claims use since January, 1937.

TRADE-MARK REGISTRATIONS RENEWED

17,406. **BOND ST.** WATCH MOVEMENTS. Registered January 21, 1890. AMERICAN WALTHAM WATCH COMPANY. Re-renewed January 21, 1940, to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts, assignee.

17,579. **PIONEER.** PATENT SILVER SCREW BEZEL WATCH CASES. Registered February 23, 1890. AMERICAN WALTHAM WATCH COMPANY. Re-renewed February 23, 1940, to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts, assignee.

126,848. **DUVELLA.** WOOLEN PIECE GOODS. Registered October 7, 1919. FORSTMANN & HUFFMANN CO. Renewed October 7, 1939, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

126,862. **HOOD.** RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLE CANVAS SHOES. Registered October 7, 1919. HOOD RUBBER COMPANY, Watertown, Mass. Renewed October 7, 1939, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee.

126,997. **BOQUETTE'S.** A PREPARATION FOR THE TREATMENT OF CERTAIN NAMED DISEASES AND CONDITIONS. Registered October 21, 1919. MILLARD F. BOQUETTE, Council Bluffs, Iowa. Renewed October 21, 1939.

127,164. **WHITE MOUNTAIN.** ICE-CREAM FREEZERS. Registered October 21, 1919. THE WHITE MOUNTAIN FREEZER COMPANY. Renewed October 21, 1939, to The White Mountain Freezer Company, Inc., Nashua, N. H., a corporation of New Hampshire, successor.

127,572. **SUPER.** LAUNDRY-WASHING MACHINES. Registered November 18, 1919. ALTORFER BROS. COMPANY, Peoria, Ill., a corporation of Illinois. Renewed November 18, 1939.

127,874. **HI-WAY PATROL.** ROAD-GRADING MACHINES. Registered December 9, 1919. RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn. Renewed December 9, 1939, to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California, assignee.

128,024. **DIAGNOSTOLITE.** ELECTRIC-LIGHT OUTFITS FOR DENTISTS, SURGEONS, AND THE LIKE FOR MAKING EXAMINATIONS. Registered December 23, 1919. WILL J. CAMERON, Chicago, Ill. Renewed December 23, 1939.

128,252. **ALUNDUM.** CERTAIN NAMED ABRASIVE PRODUCTS. Registered December 30, 1919. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed December 30, 1939.

128,284. **LA MARQUISE.** CIGARETTES. Registered January 6, 1920. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 6, 1940.

128,315. **BLEMO.** OINTMENT FOR EXTERNAL USE FOR SKIN DISEASE. Registered January 6, 1920. THE BLEMO COMPANY. Renewed January 6, 1940, to The Blemo Company, Canton, Ohio, a corporation of Ohio, assignee by mesne assignments.

128,461. **DEE-LIGHT.** NON-ALCOHOLIC MALTLESS NON-CEREAL BEVERAGES AND SYRUPS FOR MAKING THE SAME. Registered January 6, 1920. EDWARD S. MILLER, assignor to California Fruit Products Co., Inc. Renewed January 6, 1940, to California Fruit Products Company, New York, N. Y., a firm, assignee by mesne assignments.

128,487. **OLYMPIC.** WHEAT-FLOUR, PANCAKE-FLOUR, AND CAKE AND PASTRY FLOUR, ALSO CEREAL BREAKFAST FOODS. Registered January 6, 1920. THE PORTLAND FLOURING MILLS COMPANY, Portland, Oreg. Renewed January 6, 1940, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

128,522. **SUREMILK.** STOCK FOOD. Registered January 6, 1920. SPERRY FLOUR COMPANY, San Francisco, Calif. Renewed January 6, 1940, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

128,523. **SURELAY.** POULTRY FOOD. Registered January 6, 1920. SPERRY FLOUR COMPANY, San Francisco, Calif. Renewed January 6, 1940, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

128,524. **SUREGROW.** POULTRY FOOD. Registered January 6, 1920. SPERRY FLOUR COMPANY, San Francisco, Calif. Renewed January 6, 1940, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

128,582. **KOPPERKRAFT.** PAPER BAGS. Registered January 6, 1920. WORTENDYKE MANUFACTURING CO., Richmond, Va., a corporation of Virginia. Renewed January 6, 1940.

128,743. **NO. 3.** A PREPARATION FOR TREATING ACIDITY AND INFANT AILMENTS—TO WIT, STOMACH AND BOWEL TROUBLES. Registered January 13, 1920. MEAD JOHNSON & COMPANY, Evansville, Ind., a corporation of Indiana. Renewed January 13, 1940.

128,764. **LYSOL.** AN ANTISEPTIC AND DISINFECTANT. Registered January 13, 1920. LEHN & FINK, INC., New York, N. Y. Renewed January 13, 1940, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee.

128,877. **TAG.** CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered January 13, 1920. CHARLES J. TAGLIABUE MFG. CO., Brooklyn, N. Y., a corporation of New York. Renewed January 13, 1940.

128,878. **TAG.** CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered January 13, 1920. CHARLES J. TAGLIABUE MFG. CO., Brooklyn, N. Y., a corporation of New York. Renewed January 13, 1940.

128,905. **WRIGHT.** HOISTS AND TROLLEYS. Registered January 13, 1920. WRIGHT MFG. CO., Lisbon, Ohio. Renewed January 13, 1940, to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York, assignee.

129,034. **A CHEMIST.** A PASTE CEMENT IN THE NATURE OF AN ADHESIVE FOR USE IN RADIATORS FOR AUTOMOBILES AND MOTOR-VEHICLES AND RADIATORS FOR HEATING PURPOSES. Registered January 20, 1920. THE NORTHWESTERN CHEMICAL CO. Renewed January 20, 1940, to Atlas Chemical Company, Marietta, Ohio, a corporation of Ohio, assignee.

129,035. **NORWESCO.** CERTAIN NAMED ADHESIVES. Registered January 20, 1920. THE NORTHWESTERN CHEMICAL CO. Renewed January 20, 1940, to Atlas Chemical Company, Marietta, Ohio, a corporation of Ohio, assignee.

129,059. **WHITE DEER.** WHEAT-FLOUR. Registered January 20, 1920. THE RED STAR MILLING COMPANY, Wichita, Kans. Renewed January 20, 1940, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

129,406. **G. O.-45.** AN OINTMENT. Registered February 17, 1920. MARK T. VORNHOLT, R. PH., M. D. Renewed February 17, 1940, to Nicholson Drug Co., Chicago, Ill., a corporation of Illinois, successor.

129,456. **FOLEY.** MEDICINES, SALVES, AND OINTMENTS FOR CERTAIN NAMED DISEASES AND AFFECTIONS AND TOILET PREPARATIONS. Registered February 24, 1920. FOLEY & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 24, 1940.

129,498. **TWEED 'EM ROUGH.** SILK PIECE GOODS. Registered February 24, 1920. H. R. MALLINSON & CO., INC. Renewed February 24, 1940, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

129,554. **OPAX.** COMPOUNDS OF ZIRCONIUM FOR USE IN INDUSTRIAL CHEMICAL OR METALLURGICAL OPERATIONS. Registered February 24, 1920. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y. Renewed February 24, 1940, to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine.

129,626. **TIP TOP.** CONFECTIONERY. Registered March 9, 1920. THE BORDEN COMPANY, New York, N. Y., a corporation of New Jersey. Renewed March 9, 1940.

129,781. **DREAM MIST.** SILK PIECE GOODS. Registered March 9, 1920. H. R. MALLINSON & CO., INC. Renewed March 9, 1940, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

129,782. **DREAM.** SILK PIECE GOODS. Registered March 9, 1920. H. R. MALLINSON & CO., INC. Renewed March 9, 1940, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

129,783. **KLIMAX.** SILK PIECE GOODS. Registered March 9, 1920. H. R. MALLINSON & CO., INC. Renewed March 9, 1940, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

129,798. **MOORE'S.** FOUNTAIN-PENS. Registered March 9, 1920. THE MOORE PEN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed March 9, 1940.

129,885. **SOSCO.** CERTAIN NAMED PAPER AND STATIONERY. Registered March 9, 1920. SPOKANE OFFICE SUPPLY COMPANY, Spokane, Wash., a corporation of Washington. Renewed March 9, 1940.

LABELS

REGISTERED NOVEMBER 14, 1939

53,897.—*Title:* BEECH-NUT VANILLA FLAVORED WAFERS. For Vanilla Flavored Wafers. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published September 29, 1939.

53,898.—*Title:* MINIA-CULTURE TOOLS. For Decorative Indoor Gardening Tools. BEATRICE A. CLARK, Carmel, Calif. Published August 1, 1939.

53,899.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published October 16, 1939.

53,900.—*Title:* ANN ROBERTS HOME STYLE CANDIES. For Home Style Candies. DAGGETT CHOCOLATE COMPANY, doing business as Ann Roberts Studios, Cambridge, Mass. Published December 21, 1937.

53,901.—*Title:* COMOZ CHAMBÉRY. For Vermouth. FRANK HARTER, Pittsburgh, Pa. Published November 1, 1938.

53,902.—*Title:* THE DERBY DAY. For Blended Scotch Whiskey. FRANK HARTER, Pittsburgh, Pa. Published November 1, 1938.

53,903.—*Title:* THE BALMORE. For Blended Scotch Whiskey. FRANK HARTER, Pittsburgh, Pa. Published September 5, 1939.

53,904.—*Title:* GROVER LYTE ARCH. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 28, 1939.

53,905.—*Title:* STERLING SALTABS. For Sodium Chloride Salt Tablets. INTERNATIONAL SALT COMPANY, INC., New York, N. Y. Published July 19, 1939.

53,906.—*Title:* NO-BUFF FLOOR FINISH. For Floor Finish with Water-Resistant and Anti-Slip Properties. S. C. JOHNSON & SON, INC., Racine, Wis. Published August 25, 1939.

53,907.—*Title:* WHEATEX. For a Meal, 90% Wheat Germ in Content, and Specially Processed to Retain All the Vitamins. CHARLES H. KRETSCHMER GROCERY CO., Saginaw, Mich. Published June 8, 1939.

53,908.—*Title:* CHARACTER CRAVATS "THE SYMBOL OF QUALITY". For Cravats. KUMESH & GREEN, INC., New York, N. Y. Published September 12, 1939.

53,909.—*Title:* HOME & PARTY PACK. For a Cola Drink. LUCKY CLUB COMPANY, St. Louis, Mo. Published August 28, 1939.

53,910.—*Title:* STAINLESS STEEL 7 PIECE KITCHEN KNIFE. For Kitchen Knives. EARL MANNING & CO., Chicago, Ill. Published October 15, 1938.

53,911.—*Title:* MEAD'S COD LIVER OIL WITH VIOSTEROL. For Cod Liver Oil with Viosterol. MEAD JOHNSON & COMPANY, Evansville, Ind. Published October 4, 1939.

53,912.—*Title:* MEAD'S COD LIVER OIL STEARINE. For Cod Liver Oil Stearine, a Product Consisting of that Fraction of Cod Liver Oil Which Is Solid at 25° F. MEAD JOHNSON & COMPANY, Evansville, Ind. Published September 23, 1939.

53,913.—*Title:* MEAD'S VIOSTEROL (ACTIVATED ERGOSTEROL) IN OIL. For Viosterol (Activated Ergosterol) in Oil. MEAD JOHNSON & COMPANY, Evansville, Ind. Published October 9, 1939.

53,914.—*Title:* MEAD'S VIOSTEROL IN HALIBUT LIVER OIL. For Viosterol in Halibut Liver Oil. MEAD JOHNSON & COMPANY, Evansville, Ind. Published October 12, 1939.

53,915.—*Title:* JOHN MIDDLETON'S TAMPA HAVANAS. For Cigars. JOHN MIDDLETON, INC., Philadelphia, Pa. Published October 16, 1939.

53,916.—*Title:* GREEN GIANT. For Canned Sweet Peas. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Published July 6, 1939.

53,917.—*Title:* WAVE-LAST. For a Concentrated Finger-Wave Lotion. MANUEL G. MUNGUIA, doing business as Wave-Last Manufacturing Company, Hollywood, Calif. Published September 27, 1939.

53,918.—*Title:* NATIONAL BOHEMIAN. For Pale Beer. THE NATIONAL BREWING CO., Baltimore, Md. Published October 12, 1939.

53,919.—*Title:* FREESTONE. For Smoking Tobacco. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo. Published August 4, 1939.

53,920.—*Title:* ROCK 'N RYE. For Smoking Tobacco. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo. Published July 19, 1939.

53,921.—*Title:* DONNIFORD BLEND. For Smoking Tobacco. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo. Published August 19, 1939.

53,922.—*Title:* PILLSBURY'S SNO SHEEN CAKE FLOUR. For Cake Flour. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Published September 22, 1939.

53,923.—*Title:* PROGRESS BEER. For Beer. PROGRESS BREWING COMPANY, Oklahoma City, Okla. Published September 10, 1939.

53,924.—*Title:* SALERNO VANILLA WAFERS. For Vanilla Wafers. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Published September 5, 1939.

53,925.—*Title:* CAR-FERRY GENUINE CREPE. For Toilet Paper. SCHMIDTMAN CO., Manitowoc, Wis. Published August 15, 1939.

53,926.—*Title:* BLUE STREAK DOG RATION. For Food for Dogs. EUGENE R. SCHOOLEY, Luzerne, Pa. Published October 10, 1939.

53,927.—*Title:* TO PLEASE YOUR TASTE. For an Orange Drink. SUN SPOT BEVERAGE COMPANY, Baltimore, Md. Published May 5, 1939.

53,928.—*Title:* TO PLEASE YOUR EYE. For an Orange Drink. SUN SPOT BEVERAGE COMPANY, Baltimore, Md. Published May 5, 1939.

53,929.—*Title:* ALTES IMPERIAL BEER. For Beer. TIVOLI BREWING COMPANY, Detroit, Mich. Published September 27, 1939.

LABELS RENEWED

16,456. **BOY SCOUTS POP CORN.** POP CORN. Registered July 16, 1912. JOHN CATSIGIANIS, St. Louis, Mo. Renewed December 1, 1939.

PRINTS

REGISTERED NOVEMBER 14, 1939

17,689.—*Title:* CHICKEN IN SPUDS. For Chicken Plate Meals. S. M. COVEY, Twin Falls and Idaho Falls, Idaho, and Little America, Wyo. Published October 10, 1939.

17,690.—*Title:* FURS FOR THE WOMAN BY A WOMAN. For Furs. ESTHER DOROTHY, INC., Boston, Mass. Published October 3, 1939.

17,691.—*Title:* THE EFFICIENT NATIONAL ANTACID-ALKALIZER. For an Antacid-Alkalizer. GENERAL PHARMACAL COMPANY, Louisville, Ky. Published September 5, 1939.

17,692.—*Title:* HILLS BROS. COFFEE—THE CORRECT GRIND- -ADFORM 1018. For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published September 5, 1939.

17,693.—*Title:* HYDE PARK FOOTBALL FORECAST. For Lager Beer. HYDE PARK BREWERIES ASSOCIATION INC., St. Louis, Mo. Published September 26, 1939.

17,694.—*Title:* FOUR STAR HIT! For Automatic Toasters. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Published September 23, 1939.

17,695.—*Title:* THE NEW 1940 TOASTMASTER HOSPITALITY SET. For Hospitality Sets Consisting of an Automatic Toaster, Four Lap Trays, a Toast-Trimmer, Crystal Appetizer Dishes, and a Richly Grained Walnut Tray. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Published September 23, 1939.

17,696.—*Title:* FOOT FORM FASHION. For Shoes. A. E. NETTLETON COMPANY, Syracuse, N. Y. Published September 15, 1939.

17,697.—*Title:* YES, THIS IS THE GRACEFUL PEN THAT MADE A RAILROAD SPIKE LOOK LIKE A SISSY. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published October 14, 1939.

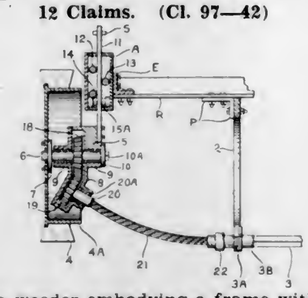
17,698.—*Title:* SIDEWALK TENNIS SETS. For Sidewalk Tennis Sets. MARTIN HENRY REDMER, Chicago, Ill. Published June 5, 1939.

17,699.—*Title:* FREE THIS COMPLETE SET OF FIFTEEN YEAR GUARANTEE SILVERWARE. For Silverware. JOSEPH C. SOMMERS, doing business as National Trade Stimulators, Chicago, Ill. Published July 17, 1939.

REISSUES

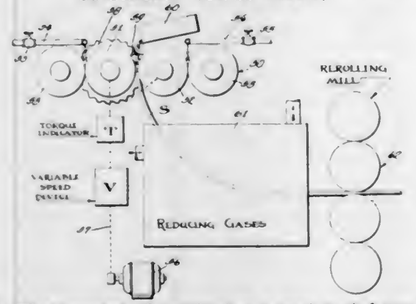
NOVEMBER 14, 1939

21,259
DRIVE FOR ROD WEEDERS
Charles F. Bloom, Vancouver, Wash.
Original No. 2,135,382, dated November 1, 1938, Serial No. 166,401, September 29, 1937. Application for reissue August 16, 1939, Serial No. 290,421
12 Claims. (Cl. 97—42)



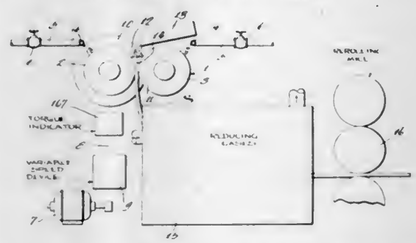
1. In a weeder embodying a frame with downwardly projecting members having a weeding rod rotatably mounted therein; a rotatably mounted drive wheel, means for floatingly mounting said wheel at one end of said frame, said means maintaining said wheel in constant perpendicular relation with said frame during the floating movements of said wheel, and a drive means operatively connecting said weeding rod to said drive wheel and turning said weeding rod opposite to the rotation of said drive wheel.

21,260
METALWORKING PROCESS
Clarence W. Hazelett, Greenwich, Conn., assignor to Hazelett Metals, Inc., Greenwich, Conn., a corporation of Delaware
Original No. 2,058,447, dated October 27, 1936, Serial No. 611,603, May 16, 1932. Application for reissue October 26, 1938, Serial No. 237,115
54 Claims. (Cl. 22—200.1)



1. The process of producing a cast metal product directly from the molten metal which comprises disposing the molten metal in a space at one side of the points of tangency of two juxtaposed rolls maintained at a temperature to solidify and cast said metal contiguous to said rolls, and rotating said rolls at a coordinated speed to move the thus-solidified, cast metal between said rolls in a thickness practically equal to the spacing of said rolls, whereby a product is ejected from said rolls having a cast structure and having a thickness substantially equal to the spacing between said rolls without subjecting said cast structure to work.

21,261
METALWORKING
Clarence W. Hazelett, Greenwich, Conn., assignor to Hazelett Metals, Inc., Greenwich, Conn., a corporation of Delaware
Original No. 2,058,448, dated October 27, 1936, Serial No. 669,216, May 3, 1933. Application for reissue October 26, 1938, Serial No. 237,116
20 Claims. (Cl. 22—200.1)



1. The method of producing solid metal of substantially constant cross section throughout its length directly from a mass of molten metal which comprises establishing a bath of molten metal between a pair of adjacent and operatively associated rolls; providing a dam at each end of the rolls to maintain the molten metal in said bath; maintaining said molten metal to a selected height in said bath; rotating said rolls to cause the ejection of solidified metal from the bight of the rolls; and adding more heat to the zones adjacent to the dams than to the intermediate zones to control the thermal conditions so that the temperature of the solidified metal at the bight of the rolls is substantially the same in the zones adjacent to the dams and the intermediate zones of the molten bath.

21,262
ROAD CONSTRUCTION
Henry A. Ingalls, Bakersfield, Calif., assignor to Helen Ingalls Crowder (sometimes known as Helen Elaine Crowder), Bakersfield, Calif.
Original No. 2,012,566, dated August 27, 1935, Serial No. 660,595, March 13, 1933. Application for reissue August 9, 1937, Serial No. 158,231
8 Claims. (Cl. 94—23)



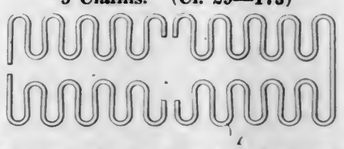
1. The method of constructing roads including loosening top soil along a roadway to provide a pervious top layer above a relatively impervious roadbed of subsoil, mixing oil and water into the soil of the top layer in quantities to substantially saturate the soil with water and permeate the water saturated soil with oil, and effecting permeation of the water treated soil with the oil by compacting the top layer.

21,263
SPRING AND METHOD OF MAKING THE SAME

Karl Kaden, Frankenberg, Bez. Chemnitz, Germany, assignor to No-Sag Spring Company, a corporation of Michigan

Original No. 2,002,399, dated May 21, 1935, Serial No. 586,838, January 15, 1932. Application for reissue February 8, 1938, Serial No. 189,380. In Germany April 16, 1931.

5 Claims. (Cl. 29—173)



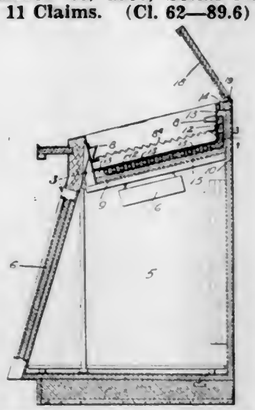
1. The method of making a spring construction which includes, bending and permanently setting resilient stock to provide a sinuous spring element which when free and unsecured will lie along an arc which is greater than 180° and of materially smaller radius than the arc upon which the spring thus formed is ultimately disposed when mounted, spreading the ends of said spring element with respect to each other and attaching the ends of said spring element to a frame while so spread, whereby to tension said spring element to lie along an arc of materially greater radius than that on which it was initially set.

21,264
SHOWCASE

Charles E. Rorrer and Albert R. Mitterer, Denver, Colo., assignors to Stadium Stores, Inc., Denver, Colo.

Original No. 2,083,093, dated June 8, 1937, Serial No. 701,494, December 8, 1933. Application for reissue March 28, 1938, Serial No. 198,359½

11 Claims. (Cl. 62—89.6)



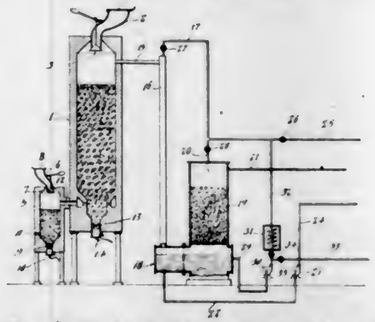
10. A showcase comprising an open top bin having a bottom inclined upwardly from the front of the showcase, an upright, conductive wall at the rear, upper edge of said bottom, a foraminous support spaced from the bottom of the bin, a front wall for the bin extending generally upwardly from the bottom of the bin to a point higher than the front edge of the support, and side walls for the bin, the rear, front and side walls being arranged to form a cold air space between the bottom of the bin and said support, a refrigerating element arranged out of said cold air space but in heat-transferring relation to said rear wall, to provide a clear space between the bottom and the support, the inclined bottom causing air cooled by the rear wall to move downward along the bottom in said clear space and toward the front wall, to cool merchandise on said support.

21,265
PROCESS FOR PRODUCING ALUMINUM CHLORIDE

William H. Shiffler and Ward P. Anderson, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Original No. 1,887,566, dated November 15, 1932, Serial No. 279,949, May 23, 1928. Application for reissue March 20, 1937, Serial No. 132,183

6 Claims. (Cl. 23—95)



1. The method of chlorinating coke containing alumina to produce aluminum chloride, comprising: carbonizing a mixture of alumina and a fluid pitchy substance whereby a macroscopically homogeneous coke comprising an intimate mixture of carbon and alumina is formed; forming a bed of such coke containing alumina in a vertical retort; maintaining the said bed in the retort by introducing such coke into the upper portion of the retort and discharging ash and spent coke from the bottom portion of the retort; continuously introducing into the bottom of the retort a dilute chlorine gas mixture including air, the proportion of air in the mixture being sufficient to maintain a reaction temperature within said bed but containing a ratio of oxygen to nitrogen no higher than that which exists in air; continuously discharging gases and vaporized products of reaction from the upper portion of the retort; and continuously removing condensible products including aluminum chloride from the discharged gases by contact with oil.

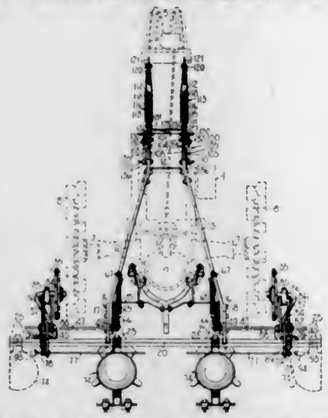
21,266
LISTER

Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Original No. 2,144,347, dated January 17, 1939, Serial No. 583, January 7, 1935. Renewed June 6, 1938. Application for reissue July 3, 1939, Serial No. 282,741

35 Claims. (Cl. 111—59)

1. A lister comprising a generally longitudinally extending beam, a transverse tool bar connected to said beam, earth working tool means connected to said bar and capable of adjustment laterally along the tool bar, a gauge wheel secured to said tool bar and also shiftable laterally along said bar, adjusting means mounted on said longitudinally extending beam and fixed against lateral movement relative thereto, and means slidably connecting said gauge wheel with said adjusting means to accommodate movement of the gauge wheel relative thereto when the gauge wheel is shifted laterally along the tool bar.



34. A tractor mounted implement comprising a pair of laterally spaced beams extending longitudinally under the tractor body, means pivotally connecting the forward ends of said beams with the tractor forward of the rear axle thereof, providing some vertical swinging movement relative thereto and capable of some lateral swinging movement relative thereto, a transversely extending tool bar, bracing means disposed ahead of said tool bar and connected between said beams, said bracing means including a flat member disposed in a substantially transverse vertical plane and having an aperture therein, a vertically swingable member pivotally connected to the tractor on a transverse axis spaced from said pivot connection of said beams and having a rearwardly extending arm slidable through said aperture in the member as the implement swings vertically relative to the tractor, accommodating vertical swinging movement of the implement but serving to restrain the latter from lateral swinging movement relative to the tractor.

21,267
METHOD OF SHAPING HEEL PARTS OF SHOE UPPERS

Charles A. Thurston, Haverhill, Mass., assignor to John W. Herlihy, Wm. W. Herlihy, and John J. Herlihy, all of Haverhill, Mass., doing business as Lowell Counter Co., Lowell, Mass.

Original No. 2,145,410, dated January 31, 1939, Serial No. 173,763, November 10, 1937. Application for reissue September 20, 1939, Serial No. 295,807

5 Claims. (Cl. 12—146)



4. That method of producing the upper portion of the heel part of a shoe which consists in providing upper, counter and lining pieces, assembling the counter between the upper and lining pieces, connecting their surfaces by means of a yieldable adhesive which permits relative slipping of one on another during the subsequent molding operation, securing the bottom edge portion of said pieces against relative displacement by pressing them together and then simultaneously molding all of said pieces to conform to the sides of a last and, at the same time, by successive molding operations, bending a portion of said bottom edge portion to provide a partial bottom flange and then bending the entire bottom portion to form a complete bottom flange for attachment of a heel.

PLANT PATENTS

GRANTED NOVEMBER 14, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

346
PYRACANTHA KOIDZUMII

Edmy Bourdieu, Ventura, Calif.

Application October 25, 1937, Serial No. 170,806

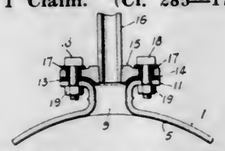
1 Claim. (Cl. 47—59)

The variety of *Pyracantha koidzumii* shown and described, characterized by its ability when grown in pots to develop a central stock with alternate horizontal laterals, an abundance of foliage in alternate clusters on said laterals and an abundance of scarlet red berries in clusters on said laterals, said berries being distasteful to birds.

PATENTS

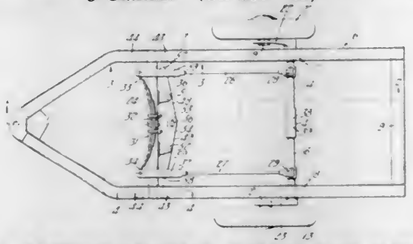
GRANTED NOVEMBER 14, 1939

2,179,476
HOT WATER TANK AND CONNECTION
Orrin E. Andrus, Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 31, 1938, Serial No. 227,620
1 Claim. (Cl. 285—17)



A hot water tank, an electrically non-conductive corrosion protective liner therefor, openings in said tank to connect the tank with metallic water piping of metal having a different electromotive force value than the metal of the tank when connected therewith in a galvanic circuit, and electrically insulating connections at said openings between the tank and piping, the insulation being of a material serving to prevent the flow of electrolytic currents between the piping system and any metal exposed through said liner.

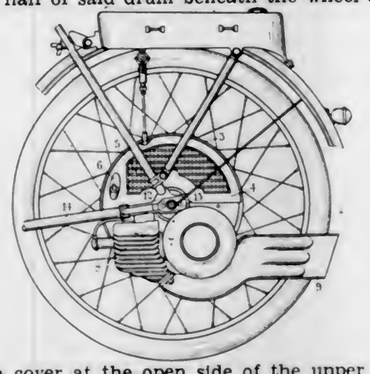
2,179,477
VEHICLE
Andrew P. Berendsen, Concord, Calif.
Application February 10, 1937, Serial No. 124,975
5 Claims. (Cl. 267—19)



1. A vehicle comprising, a body frame, wheels, lever means pivoted to said frame and connected to said wheels for supporting the latter at the opposite sides of said frame and for movement of the axes of said wheels vertically with respect to said frame, a transverse spring carried by said frame in spaced relation to said lever means, means connecting said spring to said lever means for applying a resilient torque to the latter urging a downward movement of said wheel axes relative to said frame, and means for moving the position of said spring on said frame for adjusting the position of said wheel axes relative to said frame.

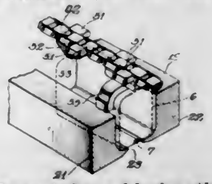
2,179,478
MOTOR BICYCLE
Ludwig Bruckmoser, Schweinfurt, Germany
Application February 17, 1938, Serial No. 191,005
In Germany February 19, 1937
2 Claims. (Cl. 180—33)

1. In a driving wheel of a motor bicycle having a wheel rim, spokes, and a wheel hub, the combination of a casing comprising a cup-shaped drum rigidly attached to the hub and attached by the spokes to the rim, and a substantially stationary motor casing, suspended from the wheel hub, and projecting laterally out of the lower half of said drum beneath the wheel axle,



and a cover at the open side of the upper half of the drum and detachably connected with said motor casing, the upper half of the entire casing being disposed between the fork branches of the bicycle frame.

2,179,479
SOLDERING ATTACHMENT FOR TAPERED BODIES
Allan M. Cameron, Oak Park, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois
Application October 21, 1937, Serial No. 170,198
11 Claims. (Cl. 113—115)



1. An attachment for soldering the side seams of tapered bodies comprising an external open topped horn proportioned to accommodate the larger ends of such bodies, a travelling conveyor disposed above and in alignment with said horn, and means carried by said conveyor adapted to engage the top wall and side walls of a tapered body for holding the smaller end of such body against upward and transverse movements during the travel thereof along said horn.

2,179,480
APPARATUS FOR INTRODUCING FLUID INTO A DEEP WELL PUMP
Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada
Application April 21, 1937, Serial No. 138,177
19 Claims. (Cl. 103—203)

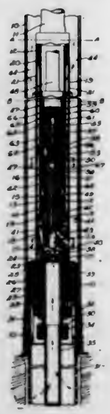
1. In a deep well pumping device, the combination of: pump means adapted to pump fluid

from a well, said pump means having a pump inlet; an inlet member connected to said pump means so as to supply well fluid thereto, said inlet member having an orifice communicating between said well and the interior of said member at a point above said pump inlet, said orifice being



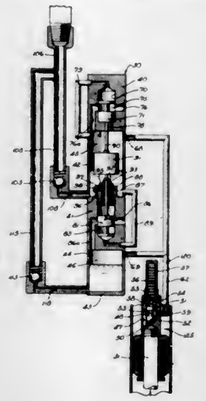
so formed that a pressure differential is impressed on well fluid flowing therethrough so as to separate gas from said fluid, said gas collecting in said member; and valve means associated with said member for removing at least a portion of said gas from said member.

2,179,481
PUMP INLET MEANS
Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada
Application April 22, 1937, Serial No. 138,345
10 Claims. (Cl. 103—40)



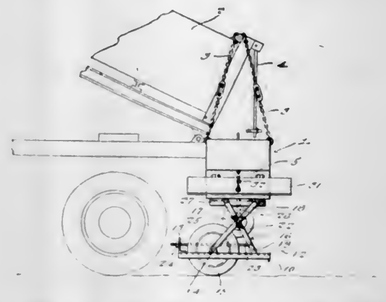
1. In a device for introducing well fluid into a deep well pump, the combination of: walls forming a reservoir for receiving well fluid from a well; a deep well pump having an inlet communicating with said reservoir; and means independent of said pump for maintaining the amount of well fluid in said reservoir below a predetermined value.

2,179,482
PULSOMETER GAS ANCHOR AND METHOD OF OPERATING
Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada
Application March 16, 1938, Serial No. 196,207
18 Claims. (Cl. 103—203)



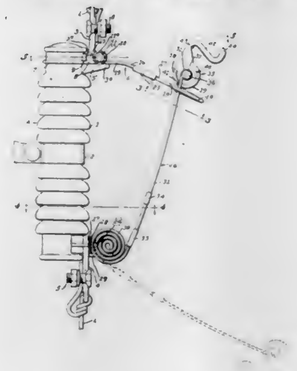
1. In a liquid treating device, the combination of: a first chamber; a second chamber; means for introducing a liquid containing gas into said chambers; means for removing gas from said liquid alternately in said chambers; means for reducing the degree of saturation of said liquid to a value at which said liquid is less than saturated with said gas alternately in said chambers; and means for alternately conveying said liquid from said chambers.

2,179,483
MATERIAL SPREADER
Francis E. Currivan and Carl W. Brown, Brattleboro, Vt.
Application February 1, 1939, Serial No. 254,121
3 Claims. (Cl. 275—8)



1. A material spreader of the class described comprising a frame, a ground engaging wheel rotatably mounted on said frame, a lazy tong device mounted on the frame, a hopper mounted on said lazy tong device, means for actuating the lazy tong device for adjusting the hopper and the ground engaging wheel relative to each other, a spreading disk rotatably mounted beneath the hopper for receiving material therefrom, and means for actuating said spreading disk.

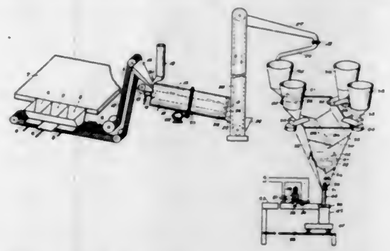
2,179,484
ELECTRICAL SWITCH
Charles Adin Fox, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application December 14, 1936, Serial No. 115,675
12 Claims. (Cl. 200—169)



1. An electrical switch comprising an insulating support, a contact supported by said insulating support, a blade supported by said insulating support for movement into and out of electrical connection with said contact, said blade being provided with resilient portions movable laterally of the axis of said blade toward and from each other and said contact having portions adapted to receive said resilient portions of said blade in locking engagement, and rotary means supported for rotary movement by said blade at a point adjacent to the portion thereof which is moved into and out of electrical connection with said contact for moving said resilient portions of said blade to positions where they may be engaged by said portions of said contact which are adapted to receive them to lock said blade in the closed switch position, and for permitting displacement of said resilient blade portions from said engaging means of the contact to unlock said blade from said contact for movement thereof to the open switch position.

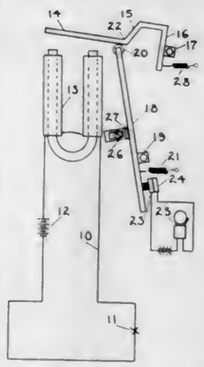
2,179,485
MEANS FOR UNIFORM PACKAGING OF MIXTURES
Arthur C. Avril, Cincinnati, Ohio
Application October 28, 1936, Serial No. 108,040
2 Claims. (Cl. 259—180)

1. In a mechanism for proportioning and intimately mixing materials, the combination of a plurality of material supply hoppers each including a scale pan having a discharge exit, said hoppers being arranged in spaced opposition to one another with the scale pan exits projecting toward a substantially central common point, and a funnel shaped mixing chamber having a plurality of triangular side walls joined along corresponding edges to provide adjacent corners and an upper peripheral edge of extensive perimeter, said corners each being located beneath a scale pan so that each scale pan overhangs a corner of the mixing chamber, a pair of opposed inclined baffle plates having inner edges, one overlapping the other, and extending substantially through the middle of the mixing chamber in substantial parallelism with a side wall thereof, said plates intercepting charges of materials released from the scale pans, a second set of baffles located beneath the baffle plates aforesaid, and comprising a pair of walls arranged in inverted V shape, with the line of intersection of the walls disposed transversely to the overlapping edges of the opposed inclined baffle plates, a filler spout at the convergent lower ends of the mixing chamber walls, and means at



the filler spout for initiating a feed of materials from the supply hoppers in unison, whereby to charge the scale pans with the materials of the hoppers, and means for discharging the contents of the scale pans simultaneously adjacent to the corners of the mixing chamber whereby to increase the turbulence of the materials falling along the meeting side walls of the mixing chamber.

2,179,486
RELAY
Charles M. Barnes, Arlington, Va.
Application August 9, 1938, Serial No. 223,939
3 Claims. (Cl. 200—106)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electric relay comprising a solenoid, an armature for said solenoid, a pivoted bent lever on which said armature is mounted at an angle, a pivoted switch lever having one end in contact with the bent lever mounting of said armature and carrying a circuit closing contact at its other end whereby said switch lever may close the circuit when said armature is released by said solenoid, and stopping means limiting the travel of the free end of the switch lever along said armature mounting lever, said stopping means stopping the free end of the switch lever before it reaches the angle in the mounting lever whereby the solenoid may reattract the armature to reset the relay.

2,179,487
ABRASIVE ARTICLE
Raymond C. Benner and Norman P. Robie, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application October 29, 1937, Serial No. 171,758. Renewed March 20, 1939
3 Claims. (Cl. 51—280)

1. An abrasive coated article comprising a backing and abrasive grains attached thereto by a heat-hardened bond consisting principally of the reaction product of lignin, a phenol, and an aldehyde, containing not more than forty percent lignin.

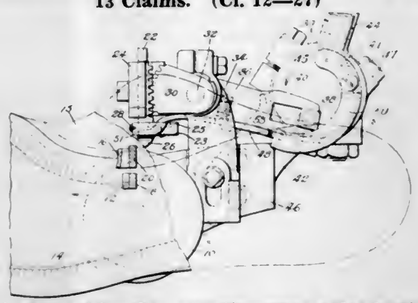
2,179,488
METHOD FOR MANUFACTURING KETONES
Clayton M. Beamer, Elizabeth, N. J., assignor to Standard Alcohol Company
No Drawing. Application November 7, 1936, Serial No. 109,669
5 Claims. (Cl. 260—596)

1. The improved process for the manufacture of ketones which comprises subjecting the vapors of secondary alcohols to the action of copper coated with zinc oxide at a temperature ranging between 650° F. and 750° F.

2,179,489
LUBRICATION
Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application December 11, 1935, Serial No. 53,882
11 Claims. (Cl. 184—7)

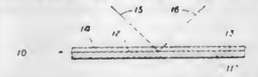
1. A central lubricating installation for a plurality of bearings of a mechanism comprising a branched distribution conduit system leading to said bearings, a source of lubricant pressure, means for periodically admitting said lubricant pressure to said system during operation of the mechanism and temperature-controlled means for regulating the duration of the periods of admission, said last mentioned means including an oscillating member, a spring seated value controlled by said member, actuating connections between said valve and said member, whereby said valve will open in inverse ratio to the amplitude of oscillation of said member, and means to retard the amplitude of oscillation of said member in inverse proportion to the temperature, so that the oscillation will have a greater amplitude at increased temperature and a lesser amplitude at decreased temperature.

2,179,490
EDGE GAUGE FOR CHANNELING MACHINES
William R. Bolton, Chicago, Ill., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 22, 1938, Serial No. 197,436
13 Claims. (Cl. 12—27)



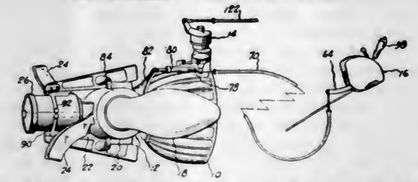
1. A machine for operating upon soles having, in combination, a work support, an adjustable gauge adjacent to said support, means for adjusting said gauge relatively to the support, said means including a cam, and means controlled by said cam arranged to move the gauge to a position below the surface of the work support at a predetermined position of adjustment of the gauge.

2,179,491
DETERIORATION RESISTANT REFLECTOR
John R. Cain, Bethesda, Md.
Application June 16, 1938, Serial No. 214,163
4 Claims. (Cl. 88—105)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A deterioration resistant reflector comprising a foundation metal of pure silver having a thickness on the order of .03" or more, said silver having a reflecting surface, and a thin transparent vitreous enamel coating fused on said reflecting surface, said enamel being of the group having oxides of silicon and of lead as its major constituents and oxides of sodium and of boron as its minor constituents having a working range well under the melting point of pure silver.

2,179,492
CONTROL MEANS FOR AERONAUTICAL PROPELLERS
Frank W. Caldwell, Hartford, and Harry C. Nissen, South Glastonbury, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 27, 1936, Serial No. 113,022
13 Claims. (Cl. 170—135.6)



1. In combination, a controllable pitch aero-

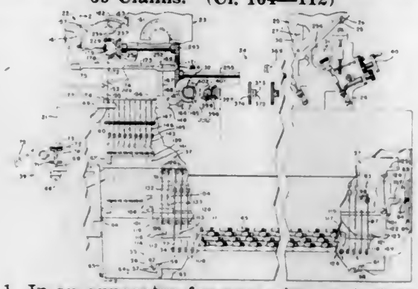
nautical propeller having a limiting high pitch setting and a limiting low pitch setting, an engine driving said propeller, a throttle for said engine, and a manually actuatable handle for said throttle, releasable means carried by said propeller providing an intermediate limit for the low pitch setting of said propeller, means for releasing said releasable means, and means rendering said throttle handle effective to alternatively actuate either said throttle or said releasing means.

2,179,493

KEYBOARD PERFORATOR AND COUNTER

Lewis R. Cook and Maurus T. Goetz, Chicago, Ill., assignors, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware

Application November 20, 1936, Serial No. 111,795
66 Claims. (Cl. 164—112)



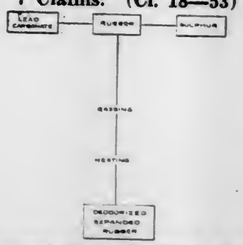
1. In an apparatus for preparing control strips for linecasting machines, an indicator, a differential accumulator comprising a plurality of planetary gear mechanisms, instrumentalities for controlling the joint or individual operation of said mechanisms for determining the position of said indicator, and means also controlled from said instrumentalities for applying symbols on the control strip.

2,179,494

SMELL ELIMINATION IN RUBBER PRODUCTS

Lester S. Cooper, Bedford, Va., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware

Application January 2, 1936, Serial No. 57,309
7 Claims. (Cl. 18—53)



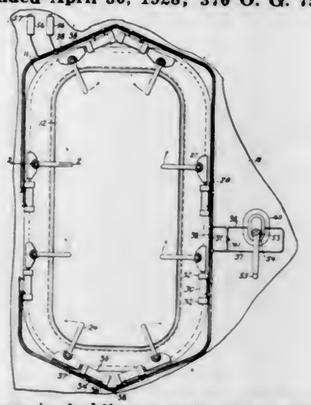
1. The process of producing a deodorized gas expanded sealed cell rubber structure which comprises mixing sulphur with rubber; thoroughly blending therewith a deodorizing material adapted to react with the sulphur and the hydrogen sulphide gas that is subsequently formed during the expansion of the rubber mix; regulating the consistency of the rubber mix so that it will entrap gas without permitting said gas to escape from the rubber mix; gassing the rubber mix; subjecting the gassed rubber mix to heat to expand it at least 600 per cent; reacting the deodorizing material with the sulphur and hydrogen sulphide gas within the rubber mix to form sulphur compounds of little odor; and setting the gas expanded rubber in a vulcanized condition.

2,179,495

DOOR AND HATCH CLOSURE

Alva B. Court, United States Navy, George H. Copenhaver, Montclair, N. J., and John Flodin, Washington, D. C.

Application December 29, 1938, Serial No. 248,270
2 Claims. (Cl. 114—116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



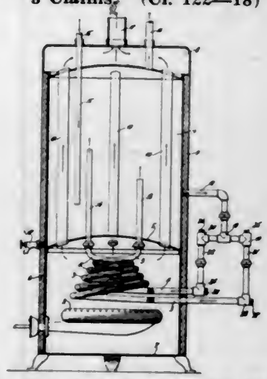
1. For use in holding a water-tight bulkhead door in locked position or for releasing the door from locked position from either side of the bulkhead, a plurality of hydraulically actuated door-holding or door-releasing dogs mounted on the bulkhead, a pair of hydraulic pressure lines connected to each of the hydraulically actuated dogs, and means for applying pressure to either one of the hydraulic pressure lines and releasing it from the other of the hydraulic lines to actuate said dogs simultaneously, said pressure-applying means comprising a pressure pump mounted in the bulkhead for actuation from either side thereof.

2,179,496

WATER HEATER

Frank H. Czeschin, Washington, Mo.

Application October 8, 1937, Serial No. 167,887
3 Claims. (Cl. 122—18)



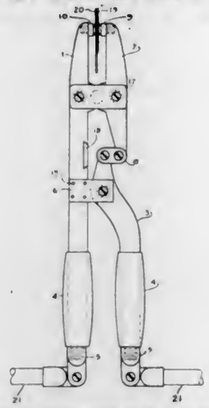
1. In a water heater, a supply tank adapted to be completely filled, a plurality of independent heating coils, an inlet for the coils connected near the bottom of the tank, and outlet connections respectively for the coils at substantially different elevations in the tank, one coil terminating at an intermediate portion and one at a lower portion.

2,179,497

SPOT WELDING APPLIANCE

Sergo B. Davitow, St. Albans, N. Y.

Application August 8, 1938, Serial No. 223,686
1 Claim. (Cl. 219—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A portable spot welding appliance comprising a pair of handles of different lengths disposed side by side, means for fulcruming the shorter handle on the longer handle intermediate of their ends comprising a pair of insulating side plates secured to said longer handle, a pair of metal side plates secured to said longer handle over said insulating side plates, an insulating bushing pivotally secured between said metal and insulating side plates, said insulating bushing extending through a pivot hole in said shorter handle, the inner end of said shorter handle terminating in an offset extending toward the longer handle, a welding tip carrying jaw integrally extending from said longer handle, a welding tip carrying movable jaw toggle-linked to the offset end of said shorter handle member, and means for fulcruming said movable jaw on said first jaw comprising an offset boss on each jaw extending toward the other jaw, each jaw having a pivoting hole extending therethrough, an insulating bushing in each pivoting hole, said pivoting holes being aligned with each other and said bosses, a pair of insulating side plates and a pair of metal side plates, pivotal means extending through said insulating bushings securing said insulating side plates against the opposite sides of said jaws and said metal side plates against said insulating plates, each said boss having a curved notch, an insulating rod held in said curved notches between said insulating side plates, whereby said handles may exert a heavy mechanical pressure on the welding tips.

2,179,498

STOP MOTION FOR TWISTING MACHINES

Elmer R. Duncklee, Mystic, Conn., and Cecil M. Sheldon, Westerly, R. I., assignors to The Atwood Machine Company, Stonington, Conn., a corporation of New Jersey

Application December 20, 1937, Serial No. 180,720
4 Claims. (Cl. 57—83)

1. A stop motion for textile doubling and twisting machines comprising in combination, thread feeding means, a housing therefor, a latch member for retaining said feed means in operative position, drop wires engaging individual threads being operated on, trip mechanism actuated by downward movement of a drop wire to render said feed means inoperative, a drop wire



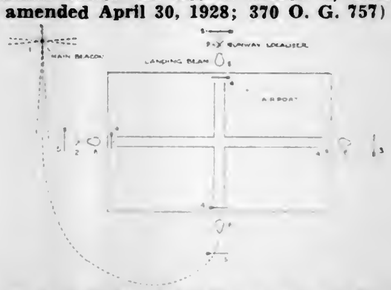
pivotally supported on said housing engaged by the combined threads after passing the feed means, a vertically disposed rod connected pivotally to said last mentioned drop wire, and means connecting said last mentioned drop wire to the trip mechanism actuated by said first mentioned drop wires, whereby a break in the combined threads will render said feed means inoperative.

2,179,499

METHOD OF BLIND LANDING OF AIRCRAFT

Harry Diamond, Washington, D. C., assignor to the Government of the United States as represented by the Secretary of Commerce

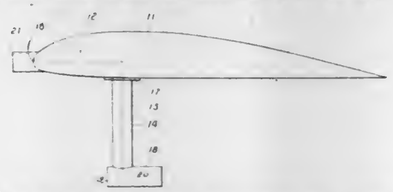
Application August 5, 1932, Serial No. 627,626
2 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a method of landing an air-craft on a landing field equipped with a primary radio beacon in proximity to the field, a secondary or localizer radio beacon, boundary marker beacons and a landing beam transmitter located on the field, the steps which comprise receiving signals aboard said craft from said primary radio beacon, flying the craft in the direction of said primary radio beacon until a zero signal zone is reached indicating that said craft is approximately over said primary radio beacon, then receiving signals aboard said craft from the localizer beacon located on the landing field, determining the distance of said craft from the said localizer beacon by controlling the output volume of the

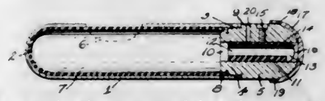
signal received therefrom responsive to the amplitude of the received radio energy, indicating the distance of said craft from the localizer beacon and landing beam transmitter as an inverse function of the control effect exerted on the output volume of said signal, then flying the craft in a generally circular path about the localizer beacon at a pre-determined desired distance therefrom and at a pre-determined desired altitude until the landing beam of the landing beam transmitter is entered, then flying the craft along the landing beam towards the landing beam transmitter following a line of constant received signal on the under side of the axis of said landing beam, and finally leveling off and landing the aircraft when it is at a pre-determined distance from the said localizer beacon and said landing beam transmitter, as indicated by the control effect exerted on the output volume of the signal received from said localizer beacon.

2,179,500
PITOT-STATIC TUBE
Walter S. Diehl, United States Navy
Application December 1, 1937, Serial No. 177,544
3 Claims. (Cl. 73—212)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A Pitot-static tube comprising in combination, a Pitot tube, a static pressure tube, an open cylindrical tube, said static pressure tube terminating in a portion having an opening at right angles to the relative fluid motion, said static pressure tube opening being located within said open cylindrical tube, a hollow streamlined strut supporting said open cylindrical tube, said static pressure tube extending through said streamlined strut to said open cylindrical tube, an airfoil surface, said Pitot tube terminating in a portion having an opening substantially in axial alignment with the relative fluid motion in the leading edge of said airfoil surface, and a vertically flattened tube extending forwardly of the opening of said Pitot tube.

2,179,501
VACCINATOR
Tracy K. Dorsett, Duncan Field, San Antonio, Tex.
Application December 16, 1938, Serial No. 246,108
5 Claims. (Cl. 128—333)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



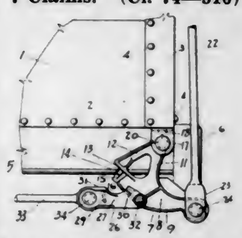
1. A vaccinator comprising in combination a casing having an open end, a syringe bag received within said casing, a head engaged in said open end of the casing and with the mouth of said syringe bag, a bore and an air aperture formed in said head, said bore leading from an outer end of the head to the mouth of the syringe bag and said aperture leading into said channel and a needle carrying nozzle adjustably mounted in said bore, said casing having an orifice permitting finger pressure upon said syringe bag and causing the discharge of matter within the syringe bag through said nozzle.

2,179,502
RETENTION MEANS FOR ARTIFICIAL TEETH, GUM SECTIONS, AND THE LIKE
Reiner W. Erdle, Chicago, Ill., assignor to Dental Research Corporation, a corporation of Illinois
Application June 29, 1936, Serial No. 87,951
2 Claims. (Cl. 32—10)



2. The method of forming retention means on a porcelain tooth structure which comprises treating the tooth structure with a mixture of the tooth porcelain, a material which will burn out upon firing, and a ceramic material which slightly increases the fusing point of the porcelain and prevents glazing and heating the tooth structure with said mixture applied thereto to approximately the fusing point of the tooth porcelain, whereupon the material which will burn out burns out and leaves numerous undercuts.

2,179,503
BRAKE OPERATING MECHANISM
August William Louis Hartbauer, Chicago, Ill.
Application January 25, 1937, Serial No. 122,178
7 Claims. (Cl. 74—516)



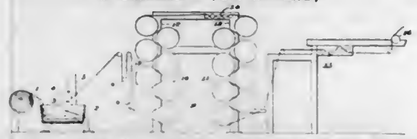
1. In brake operating mechanism, a bell crank, said bell crank being movably mounted on a body, said bell crank being connected to a hand brake rod, said bell crank having a web section, a forward strut and a rear or trailing strut, said web section and forward and rear struts having peripheral reinforcing flanges, the trailing strut having forwardly extending flanges set back from its peripheral flange, the reenforcing flanges of the web section of the bell crank at the trailing strut being reduced, a channel formed brake rod extension, a body brake rod, one end of said channel formed extension being pivoted to the bell crank and the other end thereof being connected to one end of the body brake rod, said channel formed extension having opposed stop lugs, said stop lugs being adapted to contact the inner surfaces of the peripheral web flanges of the bell crank in release position, said web section of the bell crank engaging with said extension when moved toward operative position.

2,179,504
FOOD PRODUCT PACKAGE
John V. A. Hasbrook, Hinsdale, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Illinois
Application May 28, 1936, Serial No. 82,162
2 Claims. (Cl. 206—56)



1. A package of the class described comprising an elongated, tubular container body, a closure for the lower end of said body, said closure being located in inwardly spaced relation to one end of the body, said body being provided with scoring extending transversely therearound in inwardly spaced relation to said closure, said scoring serving to permit removal of an end portion of the body by tearing along said scoring to thereby expose a portion of the package content, and said location of the scoring relative to said bottom serving to effect retention of a portion of the container body to insure adequate anchorage of the exposed packaged content to the retained body portion.

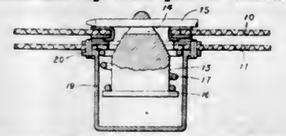
2,179,505
PROCESS OF FINISHING TEXTILE MATERIAL
Harold I. Huey, Lincoln, R. I., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I., a corporation of Rhode Island
Application April 12, 1937, Serial No. 136,304
6 Claims. (Cl. 8—125)



1. A process for imparting a silk-like finish to a cellulose fabric comprising impregnating the fabric with a caustic soda solution having a concentration at least on the order of 20° Twaddell at room temperature, exposing the impregnated fabric while under tension to a dry heat in excess of 200° F. until substantially dry, and removing the caustic.

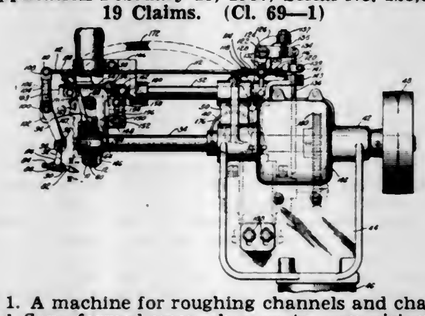
2,179,506
PARACHUTE RIP CORD RECEDING CONE
George A. Jahant, United States Marine Corps
Application August 18, 1938, Serial No. 225,573
5 Claims. (Cl. 244—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. For use with a parachute pack flap and a parachute rip cord pin, an apertured rip cord receiving cone, means for mounting said cone causing it to recede from flap interengaging position when the rip cord pin is withdrawn, said



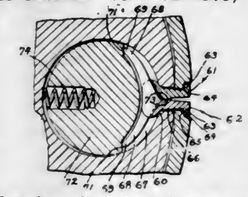
means comprising a spring normally urging said cone toward withdrawn position, and a rigid well within which said cone and spring are mounted, said well limiting the recession of said cone.

2,179,507
ABRADING MACHINE
Arthur S. Johnson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 13, 1937, Serial No. 125,608
19 Claims. (Cl. 69—1)



1. A machine for roughing channels and channel flaps formed upon shoe parts, comprising a pair of roughing tools adapted to rough the channel flap and the channel base respectively of a channeled sole, means for supporting said tools in positions adjacent to each other to enable them to perform the said roughing operations, a gage engageable with the shoulder of the channel for guiding work presented to said roughing tools, and a support constructed and arranged normally to maintain said gauge in a predetermined position relatively to said roughing tools and to yield under pressure of the work to enable the operator when he so desires to hold the work against said roughing tools with greater pressure than that permitted by the gage in its normal position.

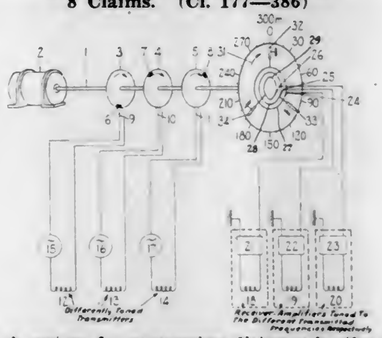
2,179,508
PLATE CLAMP FOR PRINTING MACHINES
George M. Keller, Rochester, and William F. Huck, Richmond Hill, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 21, 1937, Serial No. 160,218
18 Claims. (Cl. 101—378)



3. In mechanism for clamping a curved plate

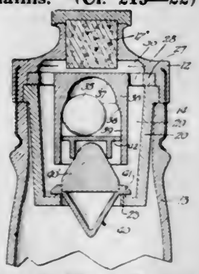
to the form cylinder of a printing machine, a movable margin bar extending lengthwise along and over a straight edge of the plate, and centrifugally affected means to move said bar into clamping engagement with the plate straight edge to secure it to the cylinder.

2,179,509
DEPTH MEASURING APPARATUS
Hans Kietz, Bremen, Germany, assignor to Atlas Werke Aktiengesellschaft, Bremen, Germany
Application June 15, 1936, Serial No. 85,241
In Germany August 16, 1935
8 Claims. (Cl. 177—386)



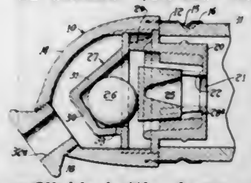
1. A system for measuring distance by the time of travel method including a plurality of differently tuned transmitters adapted to transmit wave energy in the same medium, a plurality of receivers responsive respectively each to only one transmitter, an indicating device responsive to said receivers adapted to indicate the distance, means associating said indicating device with said receivers and means for transmitting at separated intervals successive signals from the separate transmitters.

2,179,510
NONREFILLABLE BOTTLE
Tennies F. Kolts, Chicago, Ill., assignor, by mesne assignments, to Warren Buckley, Chicago, Ill.
Application April 2, 1937, Serial No. 134,504
4 Claims. (Cl. 215—22)



1. A closure for a bottle and comprising a casing having an opening therethrough, nonremovable means securing the casing to the bottle, a valve housing having a valve seat therein secured in said casing, a hollow valve body secured in said housing and spaced therefrom at one end, said body being closed at the other end thereof and having intersecting rounded inside surfaces at said closed end of said bottle, a weight in the body at said closed end and engageable with said rounded surfaces, a buoyant tippable valve movably retained in the body at the opposite end thereof, said valve comprising a hollow part and a solid part, said solid part being of a generally conical shape, said hollow part having a flange thereon adapted to normally engage said valve seat and to be held in engagement therewith by said weight, and a follower in said body between the weight and the solid part of the valve to facilitate operation of the valve whereby the weight is removed from said valve upon tipping of the bottle as the weight passes from one rounded surface to the other and the valve is removed from engagement with the seat to discharge liquid from the bottle through the closure and introduction of liquid into the bottle is prevented by the valve floating against the seat to effectively close communication into the bottle.

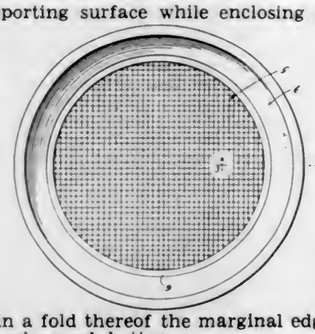
2,179,511
NONREFILLABLE BOTTLE CLOSURE
Tennies F. Kolts, Chicago, Ill., assignor, by mesne assignments, to Warren Buckley, Chicago, Ill.
Application October 28, 1937, Serial No. 171,429
11 Claims. (Cl. 215—22)



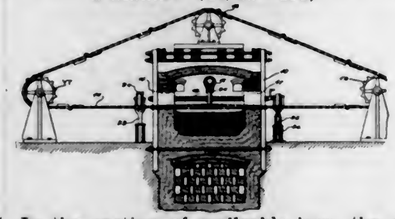
1. A nonrefillable bottle closure comprising, a closure casing adapted to be mounted upon the neck of a bottle and having an outlet opening, the main or longitudinal axis and center line of the said closure casing being inclined at an acute angle from the vertical axis and center line of the bottle neck when the said closure casing is mounted thereon, a valve housing in the said casing and having a liquid-conducting passage therethrough, a weight-retaining cage upon said valve housing, a valve member in the said valve housing, a weight in the said cage and the said weight normally urging the said valve member into position to close the said liquid-conducting passage, said weight-retaining cage including a wall inclined downwardly from its inner end toward its outer end at an acute angle from the horizontal axis of said bottle neck when said bottle neck is in a substantially horizontal position, and said wall being adapted to support the said weight thereon when the said bottle neck is in a substantially horizontal position.

2,179,512
PIEPAN
Nettie C. McBirney, Tulsa, Okla.
Original application October 10, 1936, Serial No. 104,929. Divided and this application October 8, 1938, Serial No. 233,943
9 Claims. (Cl. 53—6)

9. A piepan of the character described comprising a main body frame of sheet metal formed to provide complete outwardly inclined upstanding side walls with an outwardly projecting rim on the upper edge, the bottom portion of said side walls being formed to provide an inwardly projecting substantially horizontal annular shoulder, a wire mesh bottom for said pan in a plane parallel with said shoulder, and a combination supporting rim for the pan and clincher rim for fastening said wire mesh bottom, comprising an annular rim integral with the inner edge of said annular shoulder and bent so as to project below said shoulder for engagement with a supporting surface while enclosing and gripping in a fold thereof the marginal edge portion of the wire mesh bottom.

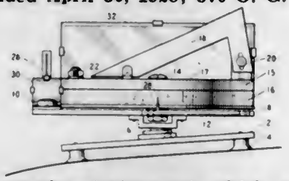


2,179,513
METAL CASTING
Albert W. Morris, Springfield, Mass., assignor to Morris Engineering Corporation, a corporation of Rhode Island
Application April 12, 1935, Serial No. 15,939
2 Claims. (Cl. 22—188)



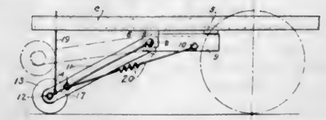
1. In the casting of malleable iron, the steps of pouring the metal into a mold consisting principally of copper and approximately one per cent of iron.

2,179,514
SURVEYING INSTRUMENT
Paul Morris, Chattanooga, Tenn.
Application March 22, 1938, Serial No. 197,422
2 Claims. (Cl. 33—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



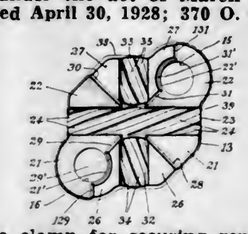
2. A surveying instrument which comprises the combination of a base adapted to be attached to a vehicle in front of a location for a passenger of said vehicle; a leveling plate pivotally supported by the base; a bubble level mounted on the leveling plate; means for adjusting the leveling plate; a cylindrical drum on a spindle through its axis, and the lower end of the spindle rigidly affixed to the leveling plate, a sun dial face on the upper end of the drum; an adjustable gnomon above the sun dial face, and a peripheral azimuth band graduated from 0° to 360° clockwise; means for rotating the same; an indicia for the azimuth band affixed to the leveling plate; and a front sight vane and a rear sight vane affixed to the leveling plate at one side of the drum and both in visible alignment from the location for a passenger.

2,179,515
ANTISIDESLIPPING ATTACHMENT FOR MOTOR VEHICLES
Homer L. Norton, Shepherd, Mich.
Application April 11, 1938, Serial No. 201,463
1 Claim. (Cl. 188—5)



The combination with the rear end-portion of a vehicle-chassis including side-beams, of a sharp-edged wheel, a wheel-carrying unit having said sharp-edged wheel journaled for rotation on its rear end and substantially under the extreme rear end of said vehicle-chassis, said wheel-carrying unit also including elements that diverge forwardly and have their front ends pivotally connected to the respective side-beams of the chassis in proper relation for preventing lateral movement of the sharp-edged wheel with respect to the chassis while permitting the sharp-edged wheel to be lowered into penetrating engagement with the part of a street or road that is substantially under the extreme rear end of the vehicle-chassis, for purposes specified.

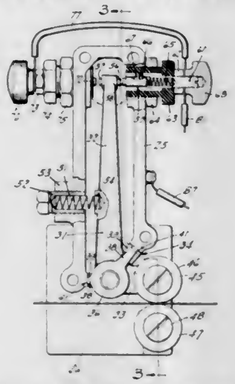
2,179,516
ROPE CLAMP
William E. Patrick, Silver Spring, Md.
Application October 14, 1938, Serial No. 234,929
2 Claims. (Cl. 24—125)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A rope clamp for securing ropes together comprising a pair of substantially identical clamping plates, each plate having a pair of fastening member receiving apertures at opposite ends thereof, having a groove extending through said plate at an angle of 45 degrees to a line connecting the fastening member holes, and having a second groove in said plate at right angles to said first groove, bosses projecting above said plate, said second groove being located in said projecting bosses, said second groove being in a plane substantially above the plane of said first groove, angular walls on said bosses connecting said bosses to the surface of said plate, said angular walls on one side of said bosses being spaced from a line joining the centers of the fastening member holes, said angular walls on the other side of said bosses being similarly spaced from the line at right angles to and equally dividing said fastening member hole center line, the edges of said plate at the ends of each groove being normal to the direction of said groove, whereby when said plates are clamped together by fastening members through the fastening member holes to fasten a pair of rope members together at right angles to each other, the rope members will be held in different planes and the clamping plates will be brought into proper alignment by cooperation of the an-

gular walls and rope members, the normal edges of the plates at the grooves providing maximum rope clamping portions.

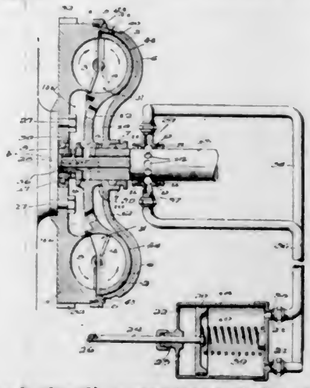
2,179,517
CONTROL MECHANISM
Nicholas Pelosi, Newark, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 30, 1937, Serial No. 182,638
3 Claims. (Cl. 192—127)



1. A control mechanism for a machine operating on a web of material fed therethrough, comprising in combination feeding means including an electric motor for advancing the web through the machine, a double acting detector instrumentality having a pair of spaced contacts and also a pivotally mounted bell crank lever movable between said contacts, said lever being held in midway position between said contacts by the advancing web, a roller on an arm of said lever and engaging against one side of said web, a stationary roller supporting said web on its other side so that the advancing web passes between them, means for pressing said roller on said lever into engagement with said web, and electric circuits connecting said contacts with said electric motor, said detector instrumentality operating to shift an angularly disposed arm of said lever into engagement with one of said contacts when a break occurs in said web sufficient to pass the web from between said rollers and also operating to shift said lever into engagement with the other of said contacts when an extra thickness encountered in said web spreads said rollers apart, the engagement of said lever with either of said contacts effecting a stopping of said electric motor.

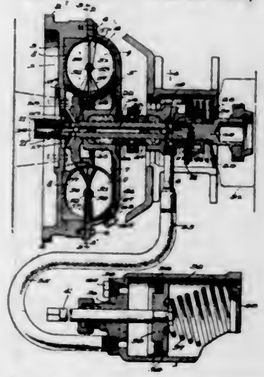
2,179,518
HYDRAULIC TURBINE CLUTCH AND TRANSMISSION
Isaac C. Popper, New York, N. Y., assignor, by mesne assignments, to Automatic Turbine Drive Company, Inc., Providence, R. I., a corporation of New York
Application November 9, 1933, Serial No. 697,334
Renewed October 1, 1936
15 Claims. (Cl. 60—54)

1. Mechanism of the character described including a driving and a driven rotor having means forming a hydraulic coupling therebetween, a driven shaft to which the driven rotor is connected, a casing secured to the driving rotor and enclosing the driven rotor and forming a fluid chamber between said casing and the driven rotor, the driven rotor having openings to allow the passage of fluid from one side thereof to the other, a cylinder in communication with the fluid chamber, a piston fitted to the cylinder, a spring exerting pressure between the piston and one end of the cylinder tending to move the piston in a direction to withdraw fluid from the chamber, a piston rod, and a lever connected with the piston rod to move the piston in the opposite direction whereby pressure of the fluid in the cylinder and fluid chamber is manually controlled by the lever.



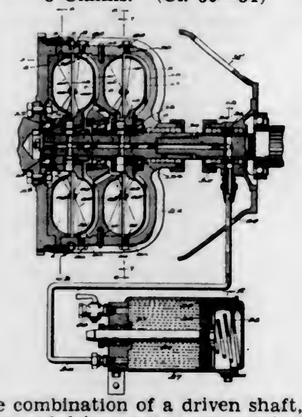
11. In a hydraulic power transmission, the combination of driving and driven rotors having a hydraulic coupling therebetween and having radially spaced inner and outer rims which are spaced apart to provide flow passages between the inner rims and the outer rims thereof, a casing about at least one of said rotors and forming an unobstructed fluid chamber therearound from hub to periphery, means of communication from said fluid chamber directly with the flow passages between the inner and outer rims of the rotors, and means for supplying liquid from externally of the transmission into the transmission at a point adjacent the axis of rotation of the rotors.

2,179,519
HYDRAULIC COUPLING
Isaac C. Popper, New York, N. Y., assignor, by mesne assignments, to Automatic Turbine Drive Company, Inc., Providence, R. I., a corporation of New York
Application November 5, 1934, Serial No. 751,668
33 Claims. (Cl. 60—54)



2. In a hydraulic power transmission, driving and driven rotors cooperating for the transmission of power, a driven shaft having the driven rotor mounted thereon to rotate said shaft, said driven rotor having limited free sliding movement lengthwise of said driven shaft and being movable away from the driving rotor by the agitation of fluid upon slow movement of the driving rotor and thereafter being movable toward the driving rotor upon a substantial increase in speed.

2,179,520
AUTOMATIC TURBINE DRIVE
Isaac C. Popper, New York, N. Y., assignor to Automatic Turbine Drive Company, Inc., Providence, R. I., a corporation of New York
Application February 2, 1937, Serial No. 123,704
8 Claims. (Cl. 60—54)



1. The combination of a driven shaft, two sets of driving and driven rotors concentric therewith and arranged in tandem, said rotors provided fluid chambers therebetween, a separate casing means enclosing each set of rotors, each casing means arranged to provide a fluid chamber between it and one rotor of each set of rotors, and means of communication between said fluid chambers.

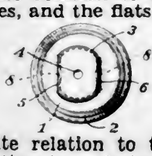
2,179,521
TACK BUTTON
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application February 15, 1938, Serial No. 190,658
11 Claims. (Cl. 40—20)



1. A button or the like comprising a top portion and a hub, a design on the top portion, the hub being disposed eccentrically to the top portion and in certain definite relation to the design for registering the design with a button-attaching machine.

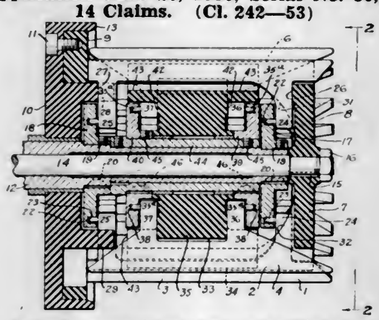
2,179,522
TACK BUTTON
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application July 22, 1939, Serial No. 285,981
6 Claims. (Cl. 40—20)

2. A button or the like having a body and a hub, insignia on said body, the hub adapted to receive a fastener, flats formed on the hub, the hub being eccentrically disposed to the body and in certain definite relation to the insignia for orienting purposes, and the flats on the hub also



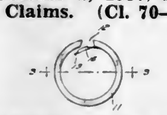
bearing a definite relation to the insignia for retaining the button in a desired axial position as the same travels to the attaching station of a button-attaching machine.

2,179,523
WINDING REEL
Fred J. Samerdyke, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 20, 1936, Serial No. 86,365
14 Claims. (Cl. 242—53)



1. A reel comprising two interdigitating sets of longitudinally extending bar members, at least one of said sets being of non-rigid construction; means for supporting said sets of bar members in inclined relation to each other; and means for independently moving the bar members of said non-rigid set to positions in which they project laterally beyond the periphery of the other set.

2,179,524
KEY RING CONSTRUCTION
Adolf O. Schoeninger, Irvington, N. J., assignor to Forstner Chain Corporation, a corporation of New Jersey
Application October 2, 1937, Serial No. 167,071
3 Claims. (Cl. 70—459)

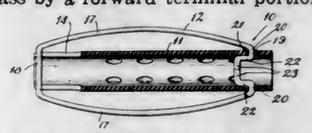


1. A key holder comprising an annular tubular member, a passageway in said member, a closure member movable into and out of said passageway to permit the passage of a key therethrough, and a leaf spring anchored in said tubular member and extending across said passageway for resiliently holding said closure member in said passageway, said tubular member comprising a channel shaped member and a strip adapted to close the open side of said channel.

2,179,525
HAIR CURLER
Nathan L. Solomon, Brooklyn, N. Y.
Application August 28, 1936, Serial No. 98,319
1 Claim. (Cl. 132—41)

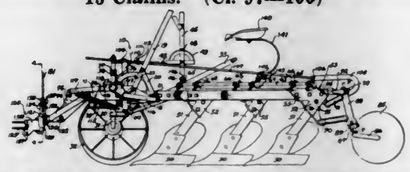
In a hair curler, an elongated tubular flexible

member having a slot for removably anchoring a portion of hair to be wound about said member, a loop having bowed sides adapted to straddle the sides of said member and comprising offset shoulders, and bearing means for swingably supporting said loop, said loop having means adapted to pass by a forward terminal portion of said



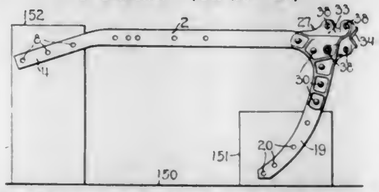
member and be disposed in said slot to removably interlock said member and loop, said shoulders comprising means adapted to distend said member under relatively appreciable curling load interposed between said member and loop to prevent disengagement of said loop from said member.

2,179,526
PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 2, 1938, Serial No. 205,493
13 Claims. (Cl. 97—100)



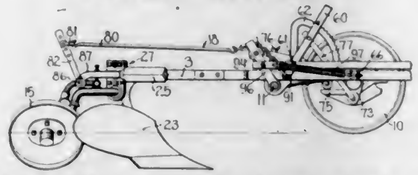
1. An implement of the class described, comprising a pair of laterally spaced beams extending substantially parallel to the direction of travel of the implement, a ground working tool supported on each of said beams, and means for rigidly interconnecting said beams selectively in various positions of lateral and longitudinal adjustment relative to each other, including bracing means attachable to one of said beams at any of a plurality of longitudinally spaced positions with respect thereto, and means for attaching said bracing means to the other of said beams at any of a plurality of positions spaced along the line substantially perpendicular to the direction of travel.

2,179,527
METHOD OF CONSTRUCTING PLOWS AND THE LIKE
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original application September 21, 1935, Serial No. 41,508. Divided and this application July 8, 1938, Serial No. 218,123
8 Claims. (Cl. 29—14)



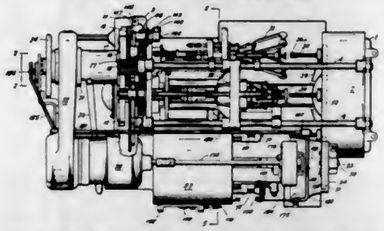
1. In the construction of a plow having a pair of beam structures, each including a draft receiving portion, a furrow-opener receiving portion, and a brace receiving portion, said brace receiving portions of the beam structures being adapted to be connected together by a brace member, the steps which consist in providing excess material on each brace receiving portion, clamping the draft receiving and furrow-opener receiving portions of the several beam structures in predetermined relative positions, and then removing portions of said excess material to bring the surfaces thereof into predetermined relative positions irrespective of slight variations in the shape of the beams.

2,179,528
PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 21, 1935, Serial No. 41,508
Renewed January 20, 1939
30 Claims. (Cl. 97—102)



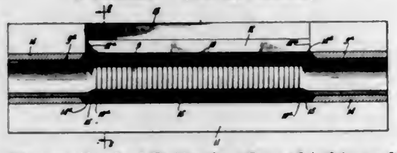
1. In a plow, a plurality of longitudinally extending beams having depending portions at their rear ends adapted to have plow bottoms fixed thereto, means connecting the forward ends of said beams, means connecting the rear ends of said beams comprising a bracket fixed to the rear end of each beam, said brackets having sockets disposed in alignment with each other, and a bar clamped to said brackets in said sockets, and an adjustable furrow wheel carried by one of said brackets for supporting the rear end of the plow.

2,179,529
PEAR PREPARATION MACHINE
Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 18, 1936, Serial No. 116,595
27 Claims. (Cl. 146—33)



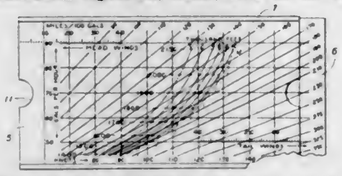
1. In a pear preparation machine having pear processing means including a pear impaling member for supporting a pear; feed mechanism for delivering pears in centered relation to said processing means with their stem-blossom axis aligned with said impaling member, including means for engaging and centering the stem end of a pear, means for engaging and centering the calyx end of a pear with reference to the exterior contour thereof, and means for operating said centering means in timed relation to first engage the stem end centering means with a pear and to subsequently engage the calyx end centering means therewith.

2,179,530
METHOD OF FORMING FINNED TUBING OR THE LIKE
Albert J. Townsend and Frank J. Bascombe, Lima, Ohio
Application December 18, 1935, Serial No. 55,072
8 Claims. (Cl. 29—157.3)



1. The method of flattening finned tubing which includes filling spaces between fin elements with a deformable material of hardness sufficient to support the finning during deformation, then flattening the tubing, and subsequently removing said material.

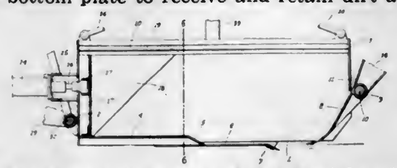
2,179,531
NAVIGATIONAL INSTRUMENT
Frederick M. Trapnell, United States Navy
Application July 20, 1938, Serial No. 220,343
2 Claims. (Cl. 235—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An aerial navigational instrument including in combination a base member having thereon indicia including a graph, the graph representing engine performance at a given altitude but definite load, a scale of engine speeds in R. P. M., a scale calibrated in head wind velocity and a reverse scale calibrated in tail wind velocity, and a transparent plate slidable over the base member having thereon indicia including a plurality of parallel horizontal lines indicating fuel consumption per hour, a plurality of parallel vertical lines indicating speed intersecting the horizontal lines, and a plurality of divergent radial lines indicating miles per 100 gallons of fuel, said graph and wind velocity scales on the base plotted to cooperate with the indicia on the transparent slidable plate, whereby given the wind velocity, the point of tangency of one of the radial lines with the graph will form a reference point which projected to the engine speed scale will indicate the most economical engine speed obtainable under the given wind and load conditions.

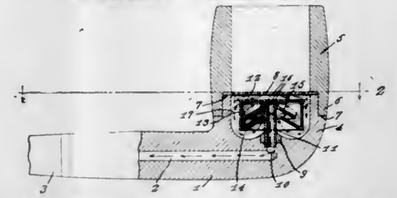
2,179,532
CARRYING SCRAPER
Jacob S. Walch, Stockton, Calif., assignor of one-third to Paul Zakel and one-third to Noble N. Beckham, both of Stockton, Calif.
Application May 2, 1938, Serial No. 205,401
14 Claims. (Cl. 37—126)

1. A scraper comprising a bowl which includes spaced side plates, means supporting the bowl from the ground, a fixed bottom plate between the side plates extending forwardly from the back thereof a distance less than the length of the side plates, and arranged to initially receive dirt with the advancing movement of the scraper, and a shovel plate movable forwardly from under the bottom plate to receive and retain dirt after



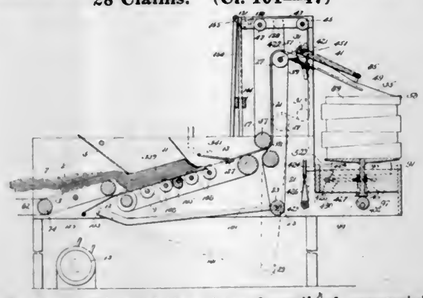
the bottom plate portion of the bowl has been filled.

2,179,533
TOBACCO PIPE
James F. Walton, Pittsburgh, Pa.
Application April 24, 1937, Serial No. 138,857
Renewed February 10, 1939
2 Claims. (Cl. 131—213)



1. A tobacco pipe comprising a bowl, a stem and a mouth piece, a grid in the bowl and spaced from the bottom of the bore thereof to provide a chamber, smoke receiving and cooling means within the chamber and including a housing, a conical lower wall for the housing and having an inlet opening centrally arranged therein, a flat upper wall spaced from the grid, a tube depending from the upper wall and through the inlet opening for supporting the housing above the bottom of the bore and communicating with the passage of the stem, a conical baffle plate formed on the tube and downwardly inclined therefrom for disposal in spaced relation to the bottom wall for cooperation therewith to provide a sinuous smoke passage and said tube having inlet openings between the baffle plate and upper wall.

2,179,534
MACHINE FOR SEPARATING, COUNTING, DELIVERING, WRAPPING, AND ADDRESSING SHEET MATERIAL
Otto E. Wolff, Arlington, Mass., assignor to Paul S. Bauer, Belmont, Mass., trustee of the R. S. Bauer Trust
Application September 27, 1937, Serial No. 165,888
28 Claims. (Cl. 101—47)



1. A machine of the class described comprising a receptacle for holding address plates, the receptacle having a single irregularity only to cor-

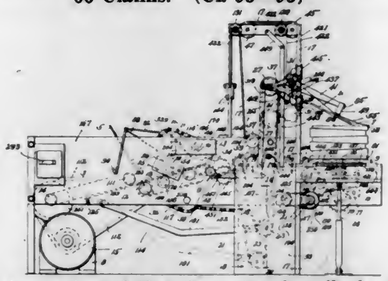
respond to single irregularities only in the address plates in order to insure proper positioning of the address plates in the receptacle.

2,179,535

MACHINE FOR HANDLING SHEET MATERIAL

Otto Edward Wolff, Arlington, Mass., assignor to Paul S. Bauer, Belmont, Mass., trustee of the R. S. Bauer Trust

Application March 11, 1938, Serial No. 195,408
66 Claims. (Cl. 93—93)



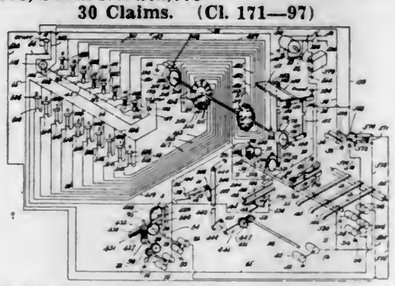
4. Apparatus of the character described comprising a conveyor for conveying articles, means for controlling the number of articles conveyed, means for manually adjusting the controlling means to predetermine the number of articles conveyed, and means for preventing the conveyor from further conveying the articles after the predetermined number of articles has been conveyed.

2,179,536

ELECTRIC SYSTEM

Otto Edward Wolff, Arlington, Mass., assignor to Paul S. Bauer, Belmont, Mass., trustee of the R. S. Bauer Trust

Original application March 11, 1938, Serial No. 195,408. Divided and this application April 18, 1938, Serial No. 202,708
30 Claims. (Cl. 171—97)



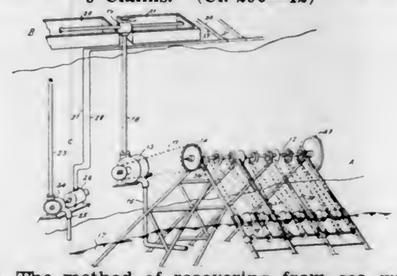
30. An electric system having, in combination, a plurality of units switches each adapted to occupy two positions, a plurality of multiples switches each adapted to occupy two positions, a rotatable disc having a plurality of substantially equally spaced contact members one less in number than the number of units switches, a plurality of substantially equally spaced contact members cooperative therewith spaced along the circumference of the disc and respectively connected to the respective units switches, a further switch in circuit with each units switch and the contact member connected thereto, a second rotatable disc having a contact member connected to the contact members of the first-named disc, a plurality of substantially equally spaced contact members connected to the contact members of the second disc equal in number to the number of multiples switches and connected to the respective multiples switches, means for actuating the discs to cause the contact members of the first-named disc to engage singly and successively their cooperating contact members and the said one contact member to engage successively its cooperating contact members, the said one contact member being adapted to engage one of each of its cooperating contact members throughout the single and successive engagement of the contact members of the first-named disc with their cooperating contact members, means controlled by a predetermined units switch for opening the normally closed switch, and means connected in circuit with each multiples switch and the contact member connected thereto for closing the normally closed switch.

2,179,537

SELF-ENERGIZING SEA WATER PROCESSING PLANT

Arthur E. Zoppa, New York, N. Y.

Application April 11, 1938, Serial No. 201,405
9 Claims. (Cl. 290—42)



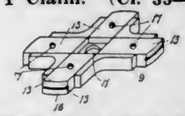
1. The method of recovering from sea water a substance dissolved therein, which consists in utilizing the energy of the waves to deliver said water at a higher level, utilizing the head of water thus delivered to generate electrical energy, processing said water, and employing the electrical energy thus generated in carrying out the processing operations.

2,179,538

GAUGE

Ralph O. Boehnke, Ann Arbor, Mich.

Application June 9, 1937, Serial No. 147,203
1 Claim. (Cl. 33—178)



A gauge comprising a gauge body having open radial grooves in one face thereof, fingers closely fitting said grooves and being radially adjustable therein, said fingers being L-shaped in side elevation with the outer edge arcuate when viewed from the front or rear of the finger, the thickness of the leg of said fingers being substantially equal to the depth of said grooves, the base of said fingers being substantially equal in thickness to the thickness of said body.

2,179,539

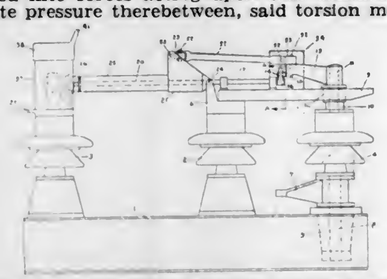
ELECTRICAL SWITCH

Augustus Jesse Bowie, San Francisco, Calif.

Application September 26, 1938, Serial No. 231,672
20 Claims. (Cl. 200—48)

1. In an electric switch including a pair of relatively movable contacts, and operating means adapted to effect engagement thereof, a pressure applying mechanism including a torsion member adapted for rotational movement and translating

means associated therewith and with one of said contacts, whereby the torque created by rotational movement of said torsion member is converted into forces acting upon said contacts to create pressure therebetween, said torsion member being independent of said operating means but adapted for operation thereby to create such pressure subsequent to substantially full engagement of the contact surfaces and responsive to continued motion of the operating means.

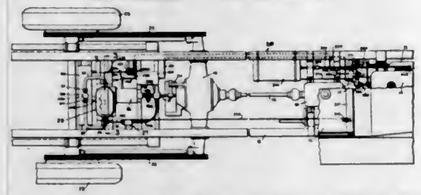


2,179,540

FLUID BRAKE

Harry J. McCombs Burdick, Anaheim, Calif.

Application November 17, 1937, Serial No. 175,030
13 Claims. (Cl. 188—92)



1. In combination with a vehicle having a driving mechanism including a shaft, said vehicle including an accelerator pedal member and a brake pedal member, pump means on said vehicle including a drive shaft, a fluid reservoir on said vehicle, said pump including an inlet and a pair of outlets, conduit means connecting said inlet and said reservoir and conduit means connecting each of said outlets and said reservoir, restricting means associated with each of said outlets to control the flow of fluid from said pump to said reservoir, releasable clutch means adapted to connect said vehicle shaft and said pump shaft, means whereby when said accelerator pedal member is released said clutch means is actuated to connect said vehicle shaft and said pump shaft and when said accelerator pedal member is depressed said clutch member is actuated to disconnect said vehicle shaft and said pump shaft, means operable by the rotation of said vehicle shaft to actuate one of said pump flow restricting means, means actuated by release of said accelerator pedal member to close the other of said pump flow restricting means and selective means operable to determine at which speed of rotation of said vehicle shaft said operable means will actuate said first pump restricting means.

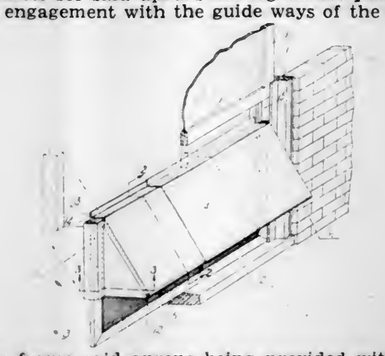
2,179,541

WINDOW SCREEN AWNING

Martin P. Burke, Pittsburgh, Pa.

Application February 1, 1938, Serial No. 188,088
1 Claim. (Cl. 156—15)

A window screen awning comprising a plurality of downwardly and outwardly depending sheet metal aprons shaped to have telescopic engagement to render them extensible and end brackets for said aprons having off-set portions for engagement with the guide ways of the window frame said aprons being provided with an upper ledge adapted to rest upon a screen, said ledge having a vertical flange for engaging the inner face of the window to prevent displacement of the awning when it is supported by the screen.

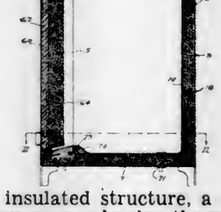


2,179,542

INSULATED STRUCTURE AND METHOD OF MAKING THE SAME

Edmund Claxton, Charles C. Schrader, and Howard G. Swarr, Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application October 26, 1933, Serial No. 695,282
17 Claims. (Cl. 220—9)



1. In an insulated structure, a pair of spaced wall members, means having the property of sustained recovery after substantial compression disposed between said wall members under substantial compression and normally urging said members away from each other at the zone of compression and a non-conducting strip cooperating with said members, closing the opening between the edges of said members, and limiting the relative movement between said members which the compressed means normally urges.

2,179,543

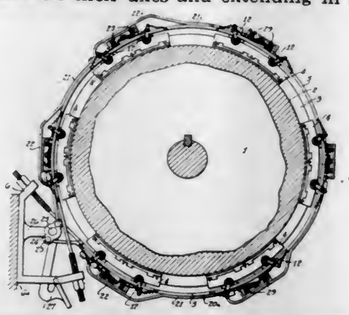
DRUM BRAKE

Clarence F. Clements, San Francisco, Calif., assignor of twenty per cent to Robert A. Garman and forty-five per cent to Wilbur R. Garman

Application June 10, 1939, Serial No. 278,465
14 Claims. (Cl. 188—77)

1. In a brake mechanism, the combination of a drum, relatively fixed means adjacent the drum, a plurality of spaced brake shoes separate from the fixed means adjacent the drum face, and movable inwardly on the relatively fixed means, rocker means mounted to rock on an axis fixed on each brake shoe, for moving

the shoes against the drum face, actuating means connected with the rocker means for rotating the same on their axes and extending in a cir-



cumferential direction on the drum beyond the drum face, and means for moving said actuating means to apply all the shoes simultaneously to the drum face.

2,179,544

PRODUCTION OF ARTIFICIAL MATERIALS

William Alexander Dickie and Percy Frederick Combe Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 3, 1930, Serial No. 418,414. In Great Britain January 18, 1929

3 Claims. (Cl. 18—54)

1. In a process for the manufacture of artificial materials by processes wherein spinning solutions containing organic derivatives of cellulose are treated with liquid coagulating media, the step of subjecting said materials after coagulation to the action of a liquid containing at least 50% of non-solvent plasticizing agents for the cellulose derivatives.

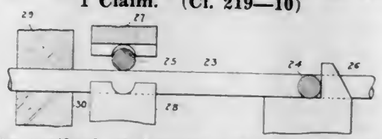
2,179,545

RESISTANCE ELECTRIC WELDING

Alfred J. Edge, Savannah, Ga., and Walter S. Edge, Pittsburgh, Pa.

Application January 28, 1937, Serial No. 122,880

1 Claim. (Cl. 219—10)



The method of forming resistance welds between two metal members which consists of bringing the two members together in crossed relation, passing an electric current through their point of contact, applying pressure to force them together and simultaneously applying pressure to one of the members in directions axially thereof and toward the weld, to cause an upsetting action at the weld.

2,179,546

DRIVE SYSTEM FOR GAS ELECTRIC AUTOMOBILES

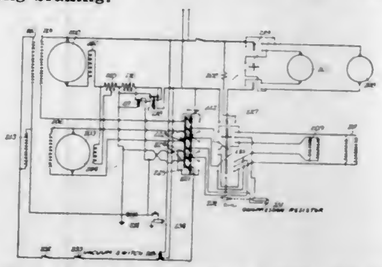
Matthew Ernst and Harry Barnard Holthouse, Chicago, Ill.; The Northern Trust Company executor of said Matthew Ernst, deceased, said company assignor to The Northern Trust Company, Chicago, Ill., a corporation of Illinois

Application May 15. 1931, Serial No. 537,706

Renewed November 12, 1937

31 Claims. (Cl. 172—239)

4. In a mechanical electric drive system, a motor having armature and field windings, generator means for supplying current to said windings, braking means including means for rendering the generator armature sufficiently ineffective to substantially short-circuit the motor armature winding, a battery for supplying current to the field winding of the motor during the braking period, and means for controlling the battery current in the field winding of the motor during braking.



6. In a mechanical electric drive system, a direct current generator, a motor having armature and field windings, the armature windings of said motor being energized by current from said generator, said motor having a pair of slip rings, and means for maintaining the motor field excitation but simultaneously short circuiting said slip rings for dynamic braking, said latter excitation means being an external source of current independent of the generator current.

13. A method of operating an electric motor system from a pair of generators having field coils which consists of supplying armature current for the motor from one generator and field current from the other, exciting said generator field coils from a constant source of electrical power and in accordance with the load on the generator until said generators become self exciting and thereafter disconnecting the generator field coil from said constant source of power.

2,179,547

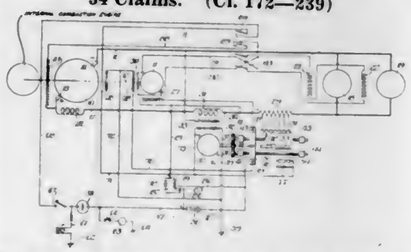
DRIVE SYSTEM FOR GAS ELECTRIC AUTOMOBILES

Matthew Ernst and Harry B. Holthouse, Chicago, Ill.; The Northern Trust Company, executor of said Matthew Ernst, deceased, said company assignor to The Northern Trust Company, Chicago, Ill., a corporation of Illinois

Application June 20, 1932, Serial No. 618,158

Renewed April 20, 1939

34 Claims. (Cl. 172—239)



24. In a mechanical electric drive system for vehicles, the combination of a driving motor having an armature and field winding, a main generator for supplying power to the armature of said motor, a prime mover for driving said generator, and means for causing said generator and prime mover to operate at approximately a

predetermined speed when under heavy loads comprising means for automatically increasing the excitation of said field winding when the voltage of said generator is reduced below a predetermined value due to high current load, and for automatically augmenting the increase until it is sufficient to permit said voltage to return approximately to said predetermined value.

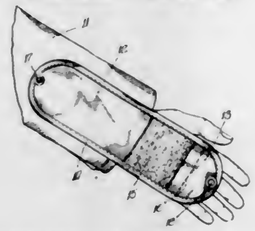
2,179,548

DRESSER FOR FISHING LINES AND FLIES

William H. Ford, Chicago, Ill., assignor to Red Head Brand Company, Chicago, Ill., a corporation of Illinois

Application February 25, 1939, Serial No. 258,403

2 Claims. (Cl. 2—94)



1. A fisherman's coat having, in combination therewith, a flap secured to the lower portion of the inner exterior surface of a sleeve of the coat and adapted to extend downwardly beyond the lower edge of the sleeve to be engaged by the hand of that arm of the wearer of the coat occupying said sleeve, an absorbent pad secured to the outer face of said flap and adapted to be charged with a dressing-agent for the fisherman's line or fly, and means to detachably hold said flap folded up against said sleeve with said pad between the flap and sleeve.

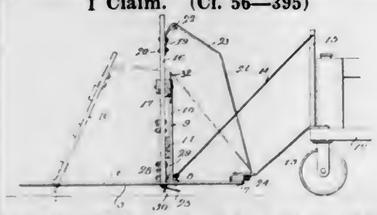
2,179,549

PUSH-OFF FOR SWEEP RAKES

Alva L. Fry, North Platte, Nebr.

Application May 3, 1938, Serial No. 205,803

1 Claim. (Cl. 56—395)



In a push-off for sweep rakes, the combination of a rake frame having a series of horizontal teeth, a vertical barrier mounted intermediate the length of said frame, a push-off frame disposed forwardly of said barrier, supporting arms pivotally attached at one end to the rear end of said rake frame, said arms extending upwardly and over the upper edge of said barrier, means pivotally connecting the forward ends of said arms to the upper edge of said push-off frame, ground engaging elements depending from the lower edge of said push-off frame, and vertically adjustable contact bars mounted on the upper edge of said barrier in the path of movement of said arms for limiting the movement of said supporting arms to control the distance of travel of said push-off frame towards the forward end of said rake frame.

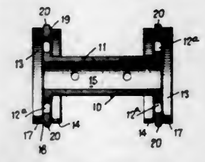
2,179,550

FILM SPROCKET

Louis S. Frappier, New York, and Albert Kindelmann, Floral Park, N. Y., assignors to International Projector Corporation, New York, N. Y., a corporation of Delaware

Application August 8, 1936, Serial No. 94,904

8 Claims. (Cl. 74—243)



1. A sprocket comprising a drum having sprocket teeth, an internal annular shoulder on the sprocket, an external shoulder on the sprocket, both shoulders being spaced from the teeth by annular grooves, and an annulus on the outer shoulder and defining a circumferential groove with the outer edges of the sprocket teeth, the circumference of the annulus being greater than the circumference of the inner shoulder.

2,179,551

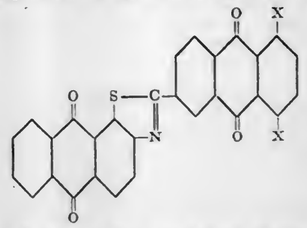
DYESTUFFS AND DYESTUFF INTERMEDIATES OF THE ANTHRAQUINONE SERIES

Donald P. Graham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 25, 1938, Serial No. 215,873

3 Claims. (Cl. 260—303)

1. Compounds of the following formula:



in which X stands for an amine substituent of the class consisting of amino, arylsulfonylimino, and aroylimino-groups.

2,179,552

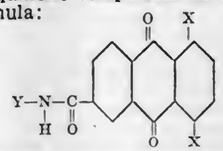
DYESTUFFS OF THE ANTHRAQUINONE SERIES

Donald P. Graham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 25, 1938, Serial No. 215,875

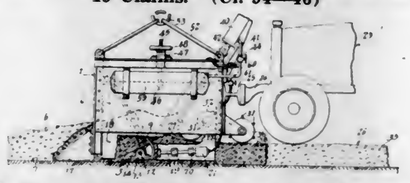
4 Claims. (Cl. 260—368)

1. Anthraquinone compounds of the following general formula:



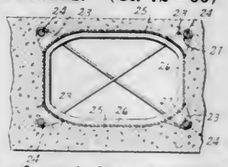
wherein X stands for aroylamino radicals of the benzene series and Y stands for an anthraquinone radical directly attached to the nitrogen.

2,179,553
CONCRETE LAYING AND PLACING MACHINE
Homer M. Hadley, Seattle, Wash.
Application July 17, 1935, Serial No. 31,835
19 Claims. (Cl. 94—46)



1. In a concrete laying machine for laying concrete already dumped on a subgrade, the combination of a frame adapted to be advanced over the subgrade, substantially vertical end plates at the ends of the frame, a transverse shoe supported on the frame between the end plates and located at the subgrade on which the concrete is being laid, means for advancing the machine to cause the shoe to pass under and through the concrete, so that the previously dumped concrete flows down past the rear of the transverse shoe, means for imparting vibratory impulses to the said shoe, a rear plate extending between the end plates, a strike-off plate located adjacent the lower end of the rear plate having means for leveling off the laid concrete, means for imparting vibratory impulses to the strike-off plate, and a removable forward plate mounted between the end plates and cooperating with the rear plate to form a hopper for concrete.

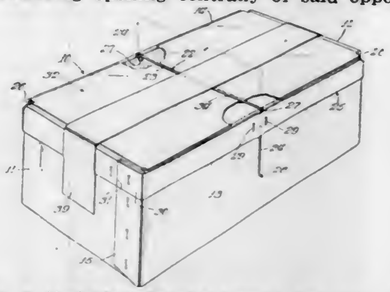
2,179,554
INTERNAL FORM AND REINFORCED CONCRETE CONSTRUCTION
Homer M. Hadley, Seattle, Wash.
Application March 24, 1936, Serial No. 70,624
15 Claims. (Cl. 72—66)



1. In a form for reinforced concrete construction, the combination of a plurality of cellular units having sheet-form walls with substantially vertical side faces, said units disposed in substantially axial alignment, a plurality of reinforcing bars extending longitudinally with said units located substantially in the plane of the said vertical sides but removed from the walls of the units, means for rigidly securing the reinforcing bars to the said units so as to positively hold the units in fixed position with respect to one another and with respect to the reinforcing bars, and means for confining the placed concrete so as to enable the units and the reinforcing bars to become embedded in the placed concrete.

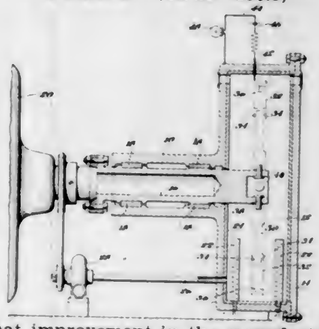
2,179,555
PAPERBOARD BASKET
Benjamin F. Kells, Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application February 13, 1939, Serial No. 256,021
7 Claims. (Cl. 229—39)

6. A collapsible basket formed of foldable sheet material, comprising four walls interconnected in tubular form, a bottom-forming member operatively associated with said walls, a relatively narrow extended portion formed on at least two opposite walls, said extended portions being adapted to be folded down against their adjacent walls, the edge portions between said walls and extended portions being each formed with a handle-receiving opening centrally of said opposed



walls, a U-shaped handle having the free end portions thereof insertable through said openings, the ends of the handle being formed with laterally projecting portions engageable beneath the edge of the extended portions at the opposite sides of the basket, and means for securing the extended portions adjacent the handle against displacement away from their attached walls.

2,179,556
METHOD OF MAKING TURBINES
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden
Application February 13, 1937, Serial No. 125,647
In Great Britain March 8, 1933
10 Claims. (Cl. 29—156.8)



1. That improvement in the manufacture of a metal member intended for use under creep producing conditions in a turbine which consists in producing in such member at least a substantial portion of the initial creep which would occur in the member in its intended use, and thereafter finishing the member to required final dimensions.

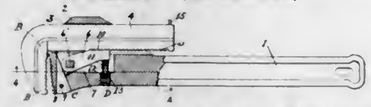
2,179,557
HYDRAULIC DRILLING JACK
John Conley Mason, Long Beach, Calif.
Application February 23, 1937, Serial No. 127,054
2 Claims. (Cl. 254—30)

1. A hydraulic drilling jack comprising a pair of parallel lifts, each lift including a stationary base fixedly supported below a derrick, a plurality of telescopically mounted lift sections rising from each base, a header beam supported by the uppermost of said lift sections, a hook swung from the header beam, a vertical guide beam fixedly mounted adjacent said lift sections and an arm on each of the lift sections engaging the



guide beam, and stop means engageable by each of the lift sections whereby the upward movement thereof is limited, and roller guides adjacent the lower end of each of the lift sections, said roller guides engaging the wall of the adjacent section.

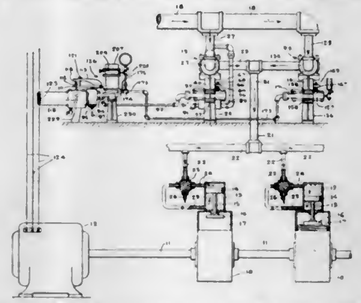
2,179,558
WRENCH
Wiley E. McLaughlin, Tulsa, Okla.
Application October 15, 1938, Serial No. 235,175
2 Claims. (Cl. 81—135)



1. In a wrench of the class described, the wrench having a jaw and a shank integrally joined, the jaw extending at a right angle from one edge of the shank and the shank having a series of ratchet teeth on its edge corresponding to the jaw extension, said wrench having a handle with an eye and a jaw at one end thereof, the eye to slidably receive the shank therein, there being a pawl with a series of ratchet teeth to engage with the ratchet teeth of the shank, the pawl being pivotally carried at the end of the handle adjacent the eye and adapted to rock so that its teeth will detachably engage with the teeth of the shank, a lever to rock the pawl secured to the pivot element on which the pawl is nonrotatably secured, the lever being outward of its respective end of the handle and extending therealong a short distance, a pin having a threaded head to engage in a threaded aperture in the handle adjacent the free end of the pawl, the inner portion of the head functioning as a shoulder, and a spring carried by the pin as resilient tensioning means for ratchet engagement of the pawl when the end of the pin is spaced from the pawl and the pin when moved to engagement with the pawl securing fixed engagement of the pawl and shank teeth.

2,179,559
COMPOUND COMPENSATED GOVERNOR
Adolph F. Meyer, Minneapolis, Minn.
Application July 8, 1935, Serial No. 30,414
24 Claims. (Cl. 83—75)

17. In an apparatus for the maintenance of a substantially uniform operating condition of a driven member working under a friction load produced by fluid pressure, a pass including a plurality of fluid conveyors, one of said fluid conveyors being adapted to continuously supply fluid under pressure for producing a friction load upon said driven member, a valve normally restricting another of said fluid conveyors and adapted to be moved toward open condition of said other conveyor to increase flow of fluid under pressure and the friction load upon said driven member, elastic means for holding said valve in the restricted



condition of said other conveyor, a source of fluid-pressure supply, an entity for regulating fluid-pressure from said source responsive in its operation to the magnitude of the friction load upon said driven member, a compensating valve structure actuated by fluid-pressure regulated by said entity for controlling said last mentioned fluid-pressure, and means responsive to fluid-pressure controlled by said compensating valve structure for actuating said valve toward open condition of said other conveyor against the action of said elastic means.

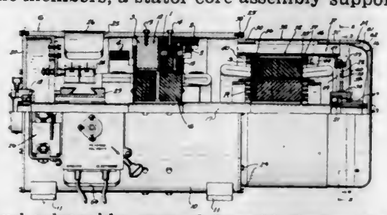
2,179,560
PROCESS OF VITAMIN D CONCENTRATION
Sidney E. Miller, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application June 2, 1939,
Serial No. 277,082
4 Claims. (Cl. 167—81)

1. A process of concentrating vitamin D from either naturally occurring or synthetic vitamin D concentrates which comprises dissolving vitamin D containing material in an organic solvent, thereby producing a vitamin D containing solution, passing the solution through a mass of activated tricalcium phosphate whereby a major portion of the vitamin D is adsorbed by the phosphate, washing the phosphate with an organic solvent, and then separating the vitamin D from the solvent by distilling off the solvent.

2,179,561
DYNAMO-ELECTRIC MACHINERY
William J. Oesterlein, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 17, 1936, Serial No. 116,268
6 Claims. (Cl. 171—123)

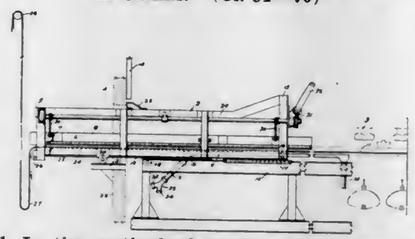
4. A dynamo-electric machine of the character described comprising a stator and a rotor, said stator having a frame made up of longitudinally spaced annular frame members, a plurality of angularly spaced outwardly facing channels extending between said frame members and disposed on the inside thereof, said frame members overlapping and engaging the end portions of

said channels, means for directly fastening the end portions of the channels to the frame members, a cover for enclosing the space between the frame members, a stator core assembly supported



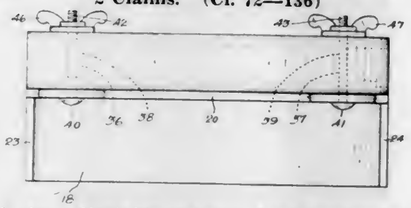
by and releasably secured to said channels, and air impelling means actuated by the rotor for forcing air currents through said channels and over the parts of the rotor and stator.

2,179,562
METHOD OF COATING WEBS
Philip H. Pennell, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application July 24, 1936, Serial No. 92,295
11 Claims. (Cl. 91—70)



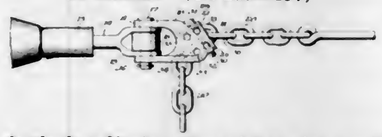
1. In the method of printing, the steps consisting in applying a film to a base, said film including oil and a resinoid which is but difficultly soluble in the oil, said film having a thixothropic body susceptible to rapid micelle formation when shearing forces cease to be applied, applying heat to said film accelerate micelle formation while maintaining the base in a substantially horizontal plane with the film at rest thereon, moving the base with its applied film through an inclined path, and curing said film at a temperature sufficient to effect substantially complete conversion of the resinoid with the oil.

2,179,563
ADJUSTABLE MARGIN FLOAT
Nicholas Sassano, Mount Vernon, N. Y.
Application May 26, 1939, Serial No. 275,875
2 Claims. (Cl. 72—136)



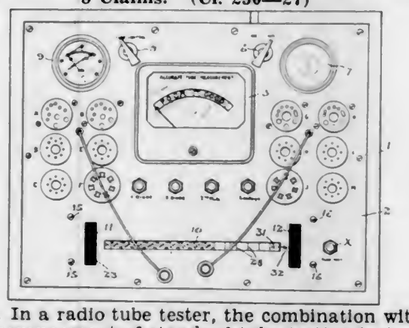
1. An adjustable margin float comprising a handle element having a substantially flat base adapted to act as a guide shoe and a float plate element including a vertical guide plate and a horizontally disposed smoothing plate, and means for adjustably attaching the vertical guide plate to said handle element.

2,179,564
SLACK ADJUSTER
Henry C. Smith, Chicago, Ill., assignor to Superior Hand Brake Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1938, Serial No. 208,413
11 Claims. (Cl. 188—197)



1. A slack adjuster comprising, in combination, a body member having a chain-receiving opening therein and having a plurality of holes through its walls in the same transverse plane, and a chain-holding member adapted to extend into the body in either a vertical or horizontal direction.

2,179,565
RADIO TUBE TESTER
Milton Stark and Frederick Sutton, Toronto, Ontario, Canada, assignors to Stark Tube Company, Toronto, Ontario, Canada
Application March 24, 1938, Serial No. 197,779
8 Claims. (Cl. 250—27)



1. In a radio tube tester, the combination with an arrangement of standard tube testing instruments and fixtures, and a selector switch having a plurality of fixed contacts wired to selected arrangements of said instruments and fixtures, of a rotor having a plurality of contact members to co-operate with said fixed contacts and having a series of longitudinal rows of radio tube indices located on the peripheral surface thereof in predetermined locating relation to the second-mentioned contact members, and locating means fixed in relation to the first-mentioned set of contacts in co-operating relation to the rotary periphery for individually locating said rows in relation to the said first-mentioned set of contacts in accordance with the characteristics of the tube to be tested.

2,179,566
RESISTOR
Erwin R. Stoekle, Milwaukee, Wis., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Original application August 19, 1935, Serial No. 36,771. Divided and this application March 5, 1936, Serial No. 67,238
3 Claims. (Cl. 201—75)

1. An electrical resistor of the character described but which is deformable to conform to a curved surface of a resistor housing and comprising a thin flexible strip of metal of good

thermal conductivity, a thin flexible film of japan coating of high dielectric strength and of good thermal conductivity directly applied to all surfaces of said strip, and a resistance coating of graduated specific resistance along its length superimposed on the film on one side of the strip so as to be electrically insulated from but in



heat interchanging relation with the strip whereby the heat generated in the parts of said resistance coating of high specific resistance will be conducted away from said parts by the underlying metal and diffused throughout the resistor to increase substantially the electrical load carrying capacity of said resistor.

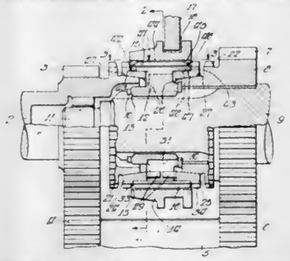
2,179,567
DEFLECTING DEVICE FOR WELL DRILLING TOOLS
Thomas C. Strength, Long Beach, Calif.
Application October 17, 1938, Serial No. 235,311
17 Claims. (Cl. 253—1)



1. A device for deflecting a well drilling tool carried by a drilling string comprising a member connected in the string above the drilling tool and having an inclined surface, and a slip shiftable on said surface to be engaged against the wall of the well by the surface.

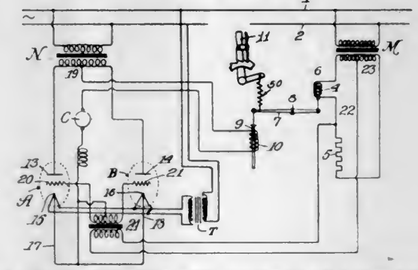
2,179,568
TRANSMISSION SYNCHRONIZER
Samuel O. White, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Original application August 25, 1937, Serial No. 160,844. Divided and this application March 4, 1938, Serial No. 193,867
15 Claims. (Cl. 192—53)

1. A transmission synchronizer comprising a pair of torque-transmitting members mounted in axial alignment, a movable jaw clutch element drivingly associated with one of said members and adapted to be moved into engagement with a jaw clutch element drivingly associated with the other member thus to establish a positive drive connection between said members, a synchronizer element having a lost motion drive connection with said one member and adapted to be moved into frictional driving engagement with said other member, and means including thrust members having relatively low inertia relative to said movable jaw clutch element, each operatively interposed between said synchronizer element and said movable clutch element for transmitting thrust from said movable clutch element to said synchronizer element in the direction of said other torque-transmitting member, thus to establish a frictional driving connec-



tion between said pair of torque members, said thrust members being formed of spring metal and each comprising a radially outwardly bowed central region in purely frictional engagement with the interior of the movable clutch element and a radially inwardly extending end portion engaging said synchronizer element, whereby to transmit to the latter, from said movable clutch element, sufficient thrust to initiate frictional driving engagement.

2,179,569
MOTOR CONTROL
Hugh E. Young, Chicago, Ill.
Application March 15, 1933, Serial No. 660,955
Renewed March 23, 1939
3 Claims. (Cl. 172—274)

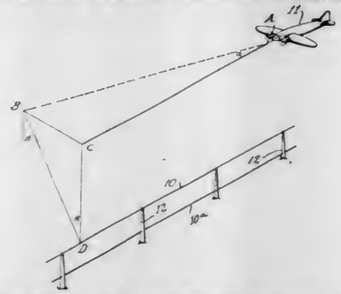


2. In combination with a source of alternating current potential, a variable speed motor having a rotor provided with windings, a circuit for said rotor supplied with energy from said source, means to control the flow of current in said circuit comprising a grid controlled arc rectifying tube, a phase control circuit for said tube including a regulator having a movable part for shifting the phase of grid excitation through substantially 180°, means in series relation to said circuit for moving said movable member according to the current flow in said circuit for limiting the flow of current in said circuit to substantially a predetermined value for all speeds of said motor.

2,179,570
METHOD AND MEANS OF AERIAL NAVIGATION
John A. Zublin, Los Angeles, Calif.
Application January 21, 1937, Serial No. 121,404
8 Claims. (Cl. 250—11)

2. A method of determining the height above

ground of an airship comprising projecting electromagnetic waves from a source extending along the desired course of the airship, flying said airship over and substantially parallel to said source, deviating said airship from such substantially



parallel flight in a generally horizontal plane by a known amount, and measuring at the airship in a generally vertical plane, through reception of said waves, the direction of said source with respect to the airship.

2,179,571

REGENERATED CELLULOSE PELLICLE

Thomas F. Banigan, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 22, 1936, Serial No. 117,183

1 Claim. (Cl. 91—68)

A softened, wet, regenerated cellulosic pellicle which is subject to shrinking by loss of water, and which is subject to staining when shrunk in contact with iron, containing sufficient alkanol amine from the group consisting of triethanol amine, tripropanol amine and tributanol amine to prevent rusting of iron when the pellicle is dried in contact therewith.

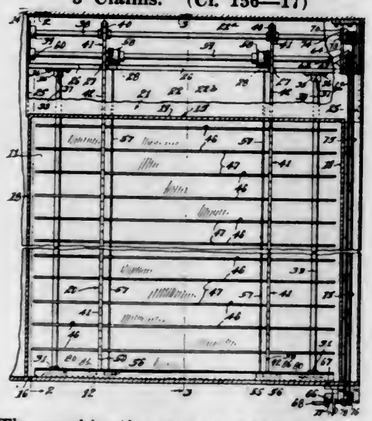
2,179,572

VENETIAN BLIND

Amos Bowman, Chicago, Ill.

Application September 25, 1936. Serial No. 102,457

3 Claims. (Cl. 156—17)



1. The combination with a window, of a Venetion blind comprising a pair of stanchions fixedly secured at both ends adjacent said window, a plurality of louvres slidably mounted on said stanchions, the lowermost louvre comprising a channel bar having its flanges extending downwardly, a keeper arranged within said channel bar and a lock arranged adjacent the bottom of the window and adapted to engage said keeper and be encased by said channel member when in lowermost position, substantially as described.

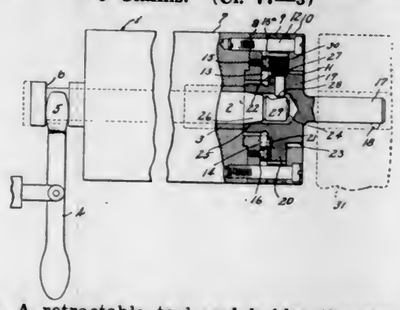
2,179,573

RETRACTABLE TOOL AND HOLDER THEREFOR

Ray B. Criddle, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Application October 10, 1936, Serial No. 105,069

9 Claims. (Cl. 77—3)



1. A retractable tool and holder therefor for use in a boring machine having a spindle, a draw bar reciprocable on the longitudinal axis of the spindle, said tool comprising a housing attached to the spindle end and provided with a circular recess therewithin, the tool having a base formed with a flange engaging the side walls of the recess and being of less diameter than the recess whereby the tool is held from relative movement in a direction longitudinally of the spindle axis and a lateral movement of the tool is permitted, key means between the housing and the tool base permitting the said base to move laterally and causing rotation of the tool by the spindle, said tool base having a recess and the said draw bar having an end insertible in the recess, said recess having a coned face at the end thereof through which the draw bar extends and the draw bar having a coned surface for engagement therewith whereby, on movement of the draw bar toward the tool, the coned surfaces are brought to engagement and the tool is centered, and a cam means on the draw bar engaging a part extending into the recess of the tool base whereby, on movement of the draw bar to separate the said coned surfaces, the cam means effects lateral movement of the tool to offset the tool axis in respect to the axis of the spindle and draw bar.

2,179,574

MECHANISM FOR DEREELING OR UNWINDING WIRE FROM COILS

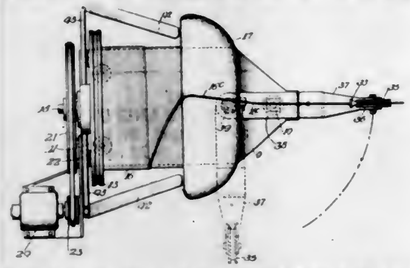
Jasper F. Cullin, Detroit, Mich., assignor, by direct and mesne assignments, of two-thirds to Lou Mervis, Chicago, Ill.

Application May 13, 1936, Serial No. 79,474

2 Claims. (Cl. 242—128)

1. In unwinding mechanism, the combination of means for holding a spool containing a coil of wire, an annular driven rotatable member at one end of the spool for unwinding the wire from the coil and coaxial with the spool and having a periphery adapted to contact and rotate with a loop of wire from the coil according to the

take-up of the wire and to automatically discontinue the pay-off of the wire when it becomes loose, means for guiding the wire from the coil to form a loop around said member, and a wire-restraining strip extending lengthwise of the periphery of the coil, having one of its ends fix-



edly supported and its other end free and terminating inwardly of the periphery of and spaced longitudinally from said member, to permit the loop of wire around the member to rotate through the space between the member and the free end of the strip, and to restrain said loop when it becomes disengaged from the member.

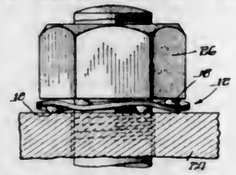
2,179,575

LOCK WASHER

Richard T. Hosking, Wilmette, Ill., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application September 18, 1935, Serial No. 41,069

6 Claims. (Cl. 151—35)



1. A lock washer including an annular body of spring stock, and a plurality of work engaging elements projecting beyond the bounding planes of said body on opposite sides thereof, said elements including wall sections converging toward a common point, the outer portions of which provide work engaging corners adapted to be embedded within the work when the washer is clamped thereagainst.

2,179,576

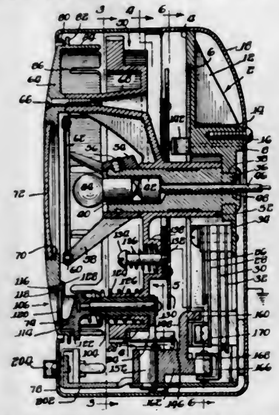
TUNING CONTROL FOR RADIO RECEIVERS OR THE LIKE

Mahlon W. Kenney, Oak Park, and Andrew A. Gedde, Chicago, Ill.

Application May 24, 1937, Serial No. 144,387

6 Claims. (Cl. 250—20)

5. In a tuning mechanism for radio receivers and the like comprising a tuning element, a tuning shaft for operating said tuning element, a plurality of selector means for controlling operation of said tuning shaft to stop said tuning element in predetermined selected positions, said selector means being individually adjustable relative to said tuning shaft to predetermine the selected positions in accordance with the desired broadcasting stations, means for maintaining each of the plurality of selector means in adjusted position, means for silencing the receiver during each tuning operation, means for releasing said maintaining means to permit adjustment of its associated selector relative to the tuning shaft, and means responsive to the opera-



tion of said releasing means for rendering said receiver operative during relative adjustment of said selector means and said tuning shaft.

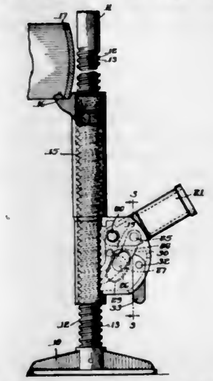
2,179,577

LIFTING JACK

Millard B. Lucker, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan

Application September 30, 1935, Serial No. 42,755

12 Claims. (Cl. 254—111)



1. A lifting jack comprising a base, a load lifting member, and means to raise the lifting member relative to the base comprising a ratchet, a pair of pawls cooperating therewith, and resilient means connecting the pawls whereby each controls the action of the other, said resilient means comprising a flexure spring and a compression member of resilient material and adapted to engage the flexure spring.

2,179,578

FISHING POLE APPLIANCE

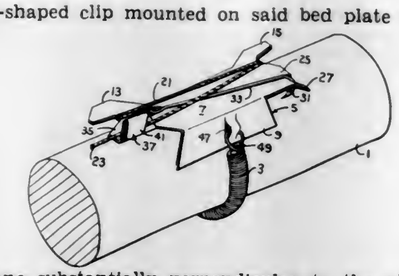
John E. Monighan, Allen County, Ind.

Application November 3, 1938, Serial No. 238,510

9 Claims. (Cl. 43—33)

9. In a fishing pole appliance, a bed plate, means for supporting said bed plate on a pole, and line receiving friction means comprising a

U-shaped clip mounted on said bed plate in a



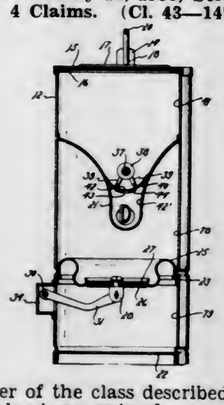
plane substantially perpendicular to the plane of said plate.

2,179,579
CORN HUSKING MACHINE
Samuel E. Morral and William W. Morral, Morral, Ohio
Application January 16, 1936, Serial No. 59,383
11 Claims. (Cl. 130—5)



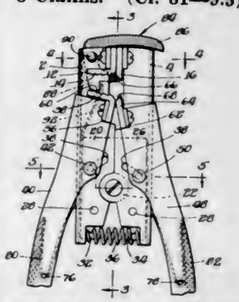
8. Mechanism for husking green corn comprising a pair of husking rollers having at the ear receiving ends thereof cooperating portions having hard surfaces extending entirely about the same and provided with intermeshing longitudinal ribs, said portions being of a length less than the length of the rollers and said rollers having beyond said hard surfaces other cooperating portions at least one of which is provided with a yieldable surface extending entirely about the same and the other of which is provided with a roughened surface extending entirely about the same.

2,179,580
DUSTER
Vincent Santarelli and John Giacobbe, Detroit, Mich.
Application February 14, 1938, Serial No. 190,430
4 Claims. (Cl. 43—147)



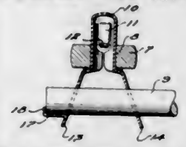
1. A duster of the class described, comprising: a container having a pair of separated compartments, one of said compartments being adapted for the reception of powdered material; a trough communicable with said powder-receiving compartment and adapted for receiving powder therefrom; an outlet conduit communicating with said trough; means for dividing the other of said compartments into a pair of non-communicating chambers; means for alternately drawing air into said chambers and alternately expelling the same therefrom; means for conducting the air expelled from said chambers into said trough for blowing powder therein toward and outwardly through said outlet conduit; means for agitating said material during the delivery of air into said trough; and adjustable means for regulating the quantity of material delivered into said trough.

2,179,581
WIRE STRIPPER HAND TOOL
Herman Gerhard Jan Voogd, Hengelo, Netherlands, assignor to Robert J. Montgomery, Chicago, Ill.
Application June 21, 1937, Serial No. 149,334
8 Claims. (Cl. 81—9.5)



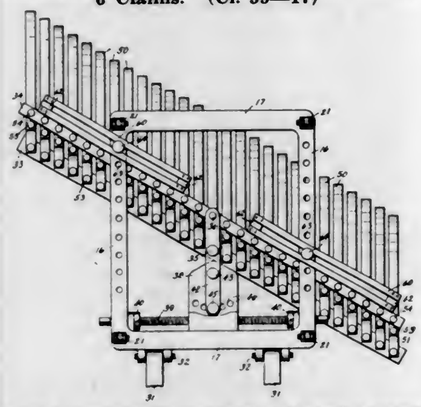
1. A wire stripping tool comprising in combination a pair of pivoted jaw carriers having wire clamping and stripping jaws mounted thereon, means urging said jaw carriers toward each other, handle levers slidable endwise on said carriers and equipped with clamping and stripping jaws adapted to cooperate with said first named clamping and stripping jaws, means connecting said handle levers to said carriers to first advance said handle levers lengthwise of said carriers and close said jaws on the wire inserted between them, and then spread said carriers thereby moving said clamping jaws away from said stripping jaws to strip the wire, and means for thereafter preventing movement of said carriers toward each other under the action of the urging means until the stripped wire has been removed from said clamping jaws.

2,179,582
CLIP
William R. Wiley, Phoenix, Ariz.
Application January 25, 1937, Serial No. 122,192
4 Claims. (Cl. 287—93)



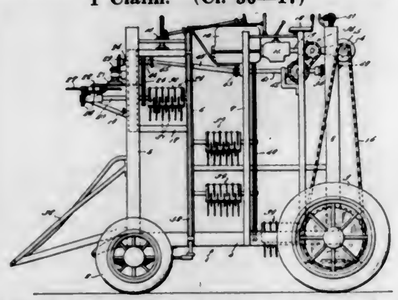
1. Means for connecting a longitudinally movable rod with a pivotally mounted member comprising a sheet metal clip, said clip having the central portion thereof preformed to provide a tubular extension adapted to seat within an aperture in said arm, said clip having diverging wing portions having apertures formed therein adapted to engage and grip said rod, a portion of the metal from one of the apertures in one of said wing portions being preformed to provide a hook-like member integrally connected to said clip to position same with respect to the end of said rod.

2,179,583
REVERSIBLE ROAD RAKE
Arthur B. Wilson, Fayetteville, N. Y.
Application June 23, 1937, Serial No. 149,936
6 Claims. (Cl. 55—17)



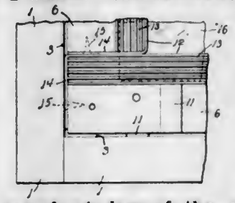
1. The combination of a vehicle and a reversible road rake suspended beneath the frame of the vehicle, said rake comprising a frame member, means carried by the frame of the vehicle and connected to said frame member of the rake and operable to move the rake toward and from said vehicle and to maintain the sides of said frame member parallel with the sides of the vehicle frame during such movement, a pair of bars pivotally mounted intermediate their ends to said frame member and extending transversely thereof in spaced apart parallel relationship, said bars being adjustable about said pivots to assume angular relationship relative to said frame member, a plurality of teeth pivotally connected at like ends to one of said bars and extending rearwardly and downwardly toward the road, said teeth being also pivotally connected intermediate their ends to said other bar, and means carried by the frame member and cooperable with said bars to maintain the same in adjusted position.

2,179,584
SUGARCANE HARVESTER
Hamilton Bourg, Sr., Matthews, La.
Application November 14, 1938, Serial No. 240,390
1 Claim. (Cl. 56—17)



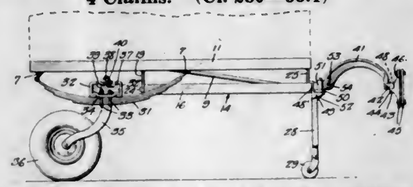
A sugarcane harvesting machine comprising a wheel supported frame structure including an upstanding, substantially U-shaped channel member, a vertically movable carriage slidably mounted in the channel member, the leg portions of said channel member constituting guides for the carriage, means for manually raising and lowering said carriage, a heading knife rotatably mounted on the carriage, a pair of collectors rotatably mounted on the carriage for directing the cane stalks to the heading knife, a plurality of strippers rotatably mounted on the carriage, and common actuating means for the heading knife, the collectors and the strippers mounted on the frame structure.

2,179,585
REFRIGERATOR WINDOW
Paul H. Brinkoeter, San Antonio, Tex., assignor to Ed. Friedrich Inc., San Antonio, Tex., a corporation of Texas
Application January 9, 1939, Serial No. 250,049
1 Claim. (Cl. 20—56.5)



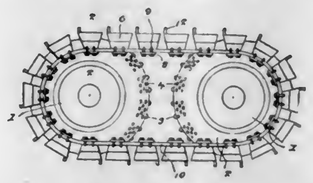
A multi-paned window of the character described including a main frame the inner perimeter of which has a channel open at one side; a plurality of glass panels for said frame arranged with their marginal edges extending into said channel; spacing strips intermediate of the glass panels and extending into said channel beyond the edges of said panels; rubber covers over the side faces of said strips opposing the glass panels and the faces extending from panel to panel, the sides of said covers against which the panels lie being formed with grooves; and means securing successive sets of strips to adjacent sets to clamp the panels between the same; said frame including an abutment frame; sealing means between said abutment frame and the panel adjacent thereto; and a set of finish strips, and sealing means between the finish strips and the adjacent glass panel, said covers of the spacing strips extending over the ends of the strips and closing the ends of said grooves.

2,179,586
TRAILER
Arley D. Carpenter, Los Angeles, Calif.
Application February 16, 1937, Serial No. 126,087
4 Claims. (Cl. 280—33.4)



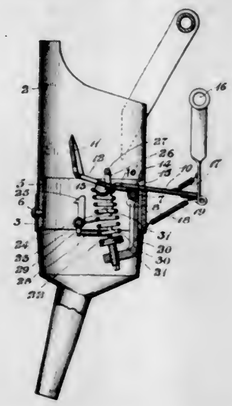
1. In a hitch device, a substantially rectangular supporting frame having sides and ends, a substantially X-shaped brace having its legs connected to and reinforcing the side and ends of the frame, a pair of aligned hangers depending from one end of the frame and from the X-shaped brace at the intersections of the legs thereof respectively, and a draft frame pivotally suspended at the ends of its longitudinal axis on the hangers.

2,179,587
VEHICLE WHEEL TRACTION
Earl Deardorff, Portland, Oreg.
Application April 25, 1938, Serial No. 204,201
1 Claim. (Cl. 305—10)



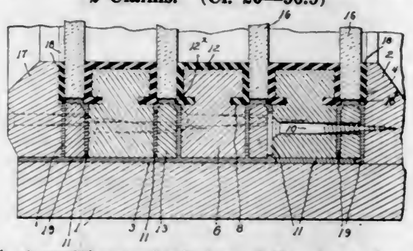
In a traction apparatus for dual wheels of a motor vehicle including tires, an endless belt for travel over the tires and including connected shoes, said tires each having a flat tread surface and side walls diverging therefrom, rounded projections formed on and extending transversely of the tread surface, said shoes each having a flat tread wall and lateral walls diverging therefrom, the tread walls having recesses in the inner surfaces thereof to receive the projections, said lateral walls fitting the side walls of the tires to set up a wedging action of the shoes with the tires, said side walls having recesses therein to provide suction cups for cooperation with the side walls, the wedging action and the projections and recesses to provide a positive connection between the tires and shoes, and calks on the tread walls of the shoes.

2,179,588
LIQUID DISPENSER
Orvie G. Dennison, Lexington, Tenn., assignor of twenty one-hundredths to Christopher D. Thomas, twenty one-hundredths to James Carl Essary, twenty one-hundredths to Lawton W. Scott, and twenty one-hundredths to Roy Dennison, all of Lexington, Tenn.
Application May 5, 1938, Serial No. 206,238
9 Claims. (Cl. 221—23)



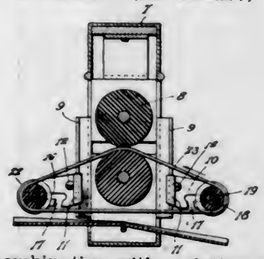
1. In combination, a funnel, spring biased cutting mechanism carried by the funnel, and means connected to the cutting mechanism to automatically release the latter to form an opening in a fluid container under the influence of the weight of the latter.

2,179,589
REFRIGERATOR WINDOW
Albert E. Dieterich, Washington, D. C., assignor to Ed. Friedrich Inc., San Antonio, Tex., a corporation of Texas
Application January 9, 1939, Serial No. 250,050
2 Claims. (Cl. 20—56.5)



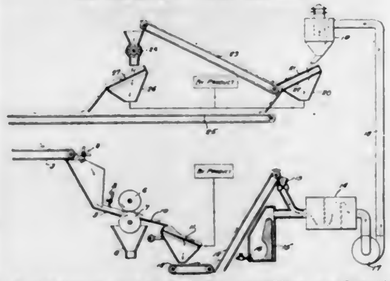
1. A multi-paned window of the character described including a main frame having an abutment providing thereby a channel along the inner perimeter of the frame and open at one side; a plurality of glass panels for said frame arranged with their perimeters extending into said channel; spacing strips intermediate the panels adapted to hold the panels in spaced relation, said strips extending beyond the perimeters of the panels into the channel; said strips comprising substantially rigid bodies; resilient sealing means between said bodies and the sides of said panels and extending into said channel a greater distance than the perimeters of the panels; said spacing strips being of less cross-sectional width than the distance between adjacent panels; and filler strips between adjacent spacer strips and between the perimeters of the panels and the main frame; a finish strip adjacent the last panel to close said channel; and a plastic filler for the spaces between the spacing and filling strips, and between the same and the perimeters of the panels and between the same and the main frame; and means for securing said spacer and finish strips in place, said filler strips having the corners of the face which lies opposite the perimeter of the panels bevelled off.

2,179,590
SAFETY FEEDING ATTACHMENT FOR CLOTHES WRINGERS
John Dougherty, Sr., Philadelphia, Pa.
Application May 2, 1938, Serial No. 205,594
5 Claims. (Cl. 68—267)



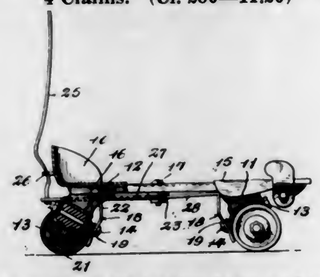
1. The combination with a clothes wringer including wringer rollers and vertical guard flanges, of supporting brackets detachably mounted for vertical adjustment on the guard flanges, an auxiliary roller supported in the brackets and movable therewith, a feed belt extending between the wringer rollers and around said auxiliary roller, and means for adjusting the auxiliary roller longitudinally of the brackets to regulate the tension of the feed belt.

2,179,591
POULTRY LITTER AND ANIMAL BEDDING
Walter Godchaux, New Orleans, La., assignor to Godchaux Sugars, Inc., New Orleans, La., a corporation of Louisiana
Application June 14, 1938, Serial No. 213,684
16 Claims. (Cl. 119—1)



1. A bedding material for poultry and animals consisting of a dry, loose, bulky, absorbent mass of fibers free from dust, derived from bagasse and mixed with exploded pith cells of sugar cane.

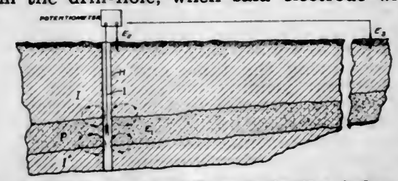
2,179,592
ROLLER SKATE BRAKE
Theodore R. Goettle, Philadelphia, Pa.
Application February 24, 1939, Serial No. 258,282
4 Claims. (Cl. 280—11.20)



1. In a roller skate having front and rear truck mounting brackets, a roller truck for each bracket, a bolt connecting respective brackets and trucks, a brake shoe loosely mounted upon the bolts, said shoe having oppositely disposed roller contact portions, a helical spring on each bolt interposed between a portion of the truck and the brake shoe normally holding the brake shoes in released position, a lever pivotally carried medially of the skate and movable in a plane parallel thereto, draw means connected between upper portions of the brake shoes and the lever, the connections with the lever being offset with respect to the pivot of the lever, said lever having an extension, strap means connected to the end of the extension, and said strap having means for attachment to the leg of a skater.

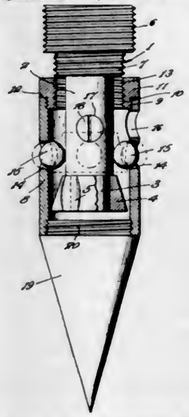
2,179,593
ELECTRICAL METHOD AND APPARATUS FOR DETERMINING THE CHARACTERISTICS OF A GEOLOGICAL FORMATION TRAVERSED BY A BORE-HOLE
John Jay Jakosky, Los Angeles, Calif., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application September 28, 1936, Serial No. 103,038
22 Claims. (Cl. 175—182)

1. A method for determining the nature and thickness of the strata traversed by a drill-hole at different depths, which comprises: measuring the changes in potential between an electrode within the drill-hole and an electrode distant from the drill-hole, when said electrode within



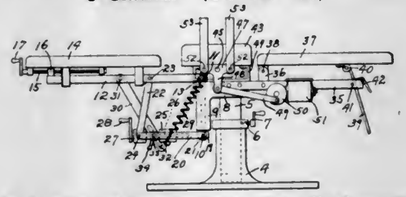
the drill-hole is at different depths below the surface, said second-named electrode being located at a distance from said drill-hole greater than one-third the depth of said first-named electrode below the surface.

2,179,594
WELL TOOL
Albert E. Johnson, Lennox, S. Dak.
Application June 9, 1938, Serial No. 212,791
4 Claims. (Cl. 294—94)



4. In a well tool, a body having a shank formed with a radial pocket, a sleeve fitting loosely about the body and having an opening adapted to aline with the radial pocket, and gripping members carried by the body and sleeve and being movable from a retracted position to extended position, said pocket and opening permitting insertion of the gripping members.

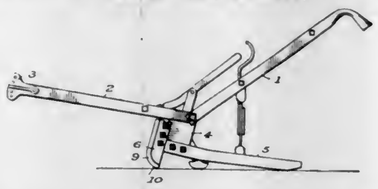
2,179,595
TREATING TABLE
John V. McManis, Kirksville, Mo.
Application January 25, 1937, Serial No. 122,229
3 Claims. (Cl. 128—72)



2. A table of the character described comprising a base, a main top section supported by said base, an auxiliary top section supported by said

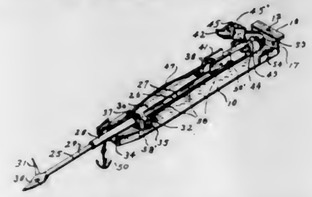
base, an intermediate section supported by the base and interposed between the first mentioned sections, said intermediate section having a distensible top portion, and resilient means for yieldingly maintaining said distensible top portion in normally distended condition, the resilience of said distending means being such that it will partially yield under the weight of a patient occupying the table and yet be capable of additional yielding movements and recoils therefrom in response to the application and removal of pressure applied to the body of said patient, straps connected with said intermediate portion in such manner as to pass around the body of the patient, and means for intermittently applying tension to said straps in such manner as to effect alternating, yielding and recoiling movements to said distending means.

2,179,596
ATTACHMENT FOR CULTIVATORS
Andrew Jackson Meeks, Nicholls, Ga.
Application November 7, 1938, Serial No. 239,344
1 Claim. (Cl. 97—171)



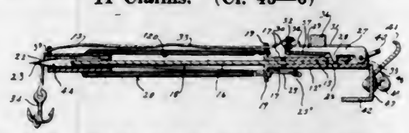
A cultivator, having a frame, a plate secured to the frame, said plate having a series of bolt openings therein to permit the attachment thereto of a plurality of implements, in combination with a flat bladed member having a vertically extending cutting edge along its forward face, the lower portion of said cutting edge being rounded to gradually approach and finally terminate at the rear face of the blade, said blade being provided with a series of bolt openings corresponding to the openings in the plate to permit the attachment of said bladed member to the plate.

2,179,597
HARPOON SPOON
Magnus P. Palsson, Seattle, Wash.
Application February 2, 1938, Serial No. 188,359
14 Claims. (Cl. 43—6)



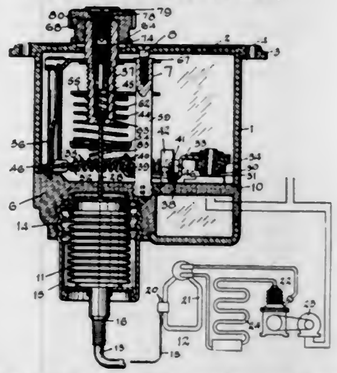
1. A device of the character described comprising a harpoon gun including resilient means to project the harpoon, a detent member operatively associated with the harpoon and alone yieldable to the harpoon when set, trigger means to hold the detent member in detaining relation to the harpoon, bait carrying means to operate the trigger, means to support the bait carrying means in close relation to the path of the point of the harpoon, and means to connect the device to a fishing line.

2,179,598
HARPOON SPOON AND PLUG
Magnus P. Palsson, Seattle, Wash.
Application February 2, 1938, Serial No. 188,360
11 Claims. (Cl. 43—6)



1. In a device of the character described, a body, a harpoon slidable therein, bait operated trigger means to hold the harpoon in retracted position, resilient contractile elements connected to the harpoon and manually releasable means to anchor the contractile elements to the body at a distance from the connection with the harpoon when in set position.

2,179,599
REFRIGERATOR CONTROL SWITCH
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, a corporation of Ohio
Original application April 29, 1932, Serial No. 608,319, now Patent No. 2,138,509, dated April 29, 1938. Divided and this application December 11, 1933, Serial No. 701,887
10 Claims. (Cl. 200—83)

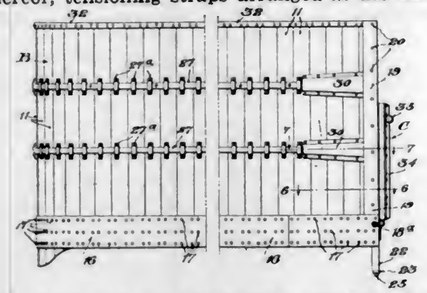


1. In a switch, a shell for containing the switch, a pressure bellows for operating the switch, a spring for yieldingly resisting movement of the switch by the bellows, a member extending through one end of the shell for adjusting the spring to cause varying operation of the switch, a handle removably connected to the said member, a second spring resistant to one movement of the switch and non-effective in the opposite movement of the switch and supported by the said member, the member including means for adjusting the second named spring.

2,179,600
VEHICLE BODY
John W. Rice, Amarillo, Tex., assignor of one-half to W. W. Gentry, Chickasha, Okla.
Application September 15, 1938, Serial No. 230,106
4 Claims. (Cl. 296—28)

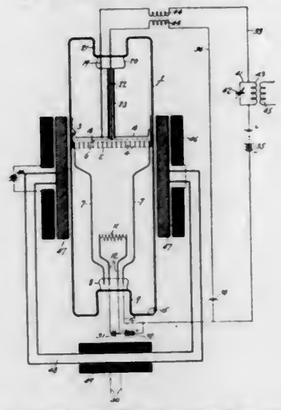
1. A vehicle body, including, a floor comprising a plurality of strips laid in edge to edge formation transversely of the body, a continuous wall surrounding the opposite parallel side edges and the front end of the floor and terminating in spaced upright wings at the rear of the floor,

said wall comprising vertically arranged strips provided with interlocking edge portions and having their lower ends projecting below the floor substantially to embrace the front and side edges thereof, tensioning straps arranged at the outer



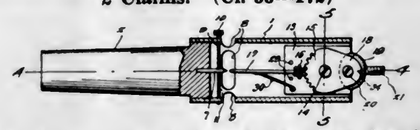
side of the wall and adjustably anchored at their ends near the said wings thereof to simultaneously compress the vertical strips comprising the wall and the horizontal strips of the floor into tightly reassembled relation.

2,179,601
GASEOUS DISCHARGE DEVICE
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Original application August 25, 1930, Serial No. 477,638, now Patent No. 1,962,158, dated June 12, 1934. Divided and this application May 28, 1934, Serial No. 728,000. Renewed January 10, 1939
14 Claims. (Cl. 179—171.5)



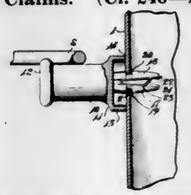
6. A gaseous conduction device comprising a gas-tight vessel containing a gas at a pressure sufficient to secure its ionization and maintenance of a gaseous discharge therein, a cathode having perforations over its surface, an anode disposed adjacent one side of said cathode and spaced therefrom by a gap sufficiently short to prevent a gaseous discharge due to gas ionization between the opposed electrode surfaces under application of a high voltage therebetween, an additional electrode outside of said gap to be operated as a cathode with respect to said perforated cathode and maintain therewith a gaseous discharge for ionizing the gas therebetween and generating electrons tending to enter through the cathode perforations the gap between the perforated cathode and anode, a control grid between said cathode and said anode to control the discharge therebetween, means for creating a magnetic field in the discharge path between said cathode and anode and transverse thereto, an oscillating circuit connected to said electrodes, whereby oscillations may be produced by said device, and means for varying said magnetic field to modulate the oscillations produced.

2,179,602
CENTERING DEVICE
Lowell Smith, Dixon, Ill.
Application November 23, 1938, Serial No. 242,062
2 Claims. (Cl. 33—172)



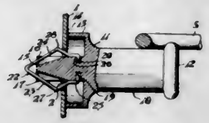
1. A centering device of the class described comprising a tubular housing having windows therein, a shank threadedly mounted in one end portion of said housing and projecting longitudinally therefrom for engagement in a spindle for mounting the housing thereon, a bracket mounted in the other end portion of the housing, a substantially segmental gear journalled for oscillation on said bracket, a pinion gear rotatably mounted on the bracket and engaged with the segmental gear for actuation thereby, a pointer fixed on the pinion gear and adapted for swinging movement in the housing, said pointer being observable through the windows in the housing, integral bifurcations on the segmental gear, a pivotally adjustable plate mounted between said bifurcations, a feeler removably mounted on said plate and operatively engageable with a piece of work, and resilient means for engaging the feeler with the work.

2,179,603
SHELF SUPPORTING STUD, KNOB, OR THE LIKE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application April 20, 1938, Serial No. 203,205
9 Claims. (Cl. 248—239)



1. As an article of manufacture, a supporting stud, knob or the like to be mounted on a wall member provided with a socket opening, said stud comprising a one-piece device including a projecting head portion and an integral substantial snap-stud connecting stem comprising relatively yieldable stem sections insertable through the socket opening in said wall member to applied position from one side thereof, a shoulder provided on at least one of said stem sections, and resilient means intermediate said relatively yieldable stem sections for maintaining the same in tensioned engagement in applied position in said socket opening to seat said shoulder and thereby retain said stud in fixed, rigid mounted position on the wall member.

2,179,604
SHELF SUPPORTING STUD OR THE LIKE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application May 14, 1938, Serial No. 208,044
8 Claims. (Cl. 248—239)



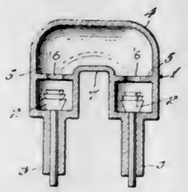
1. A supporting stud, knob or the like mounted on a wall member provided with a socket opening, sail stud comprising a body formed with an integral, rigid connecting stem projecting therefrom, said stem having a recess on its outer surface, and a one-piece, independent, metallic clip securing means carried by said connecting stem, said clip securing means comprising an attaching element cooperating with said recess on the stem for holding the same in assembled relation therewith and a yieldable arm provided with a shoulder adapted for snap fastening engagement in said socket opening to retain the stud or the like in fixed, rigid mounted position on the said wall member.

2,179,605
PICRYL FLUORIDE AND METHOD OF MAKING THE SAME
Laurence G. Wesson, Boston, Mass., assignor to Veader Leonard, Baltimore, Md.
No Drawing. Application February 20, 1937, Serial No. 126,937. Renewed April 8, 1939
8 Claims. (Cl. 52—5)

1. A new product comprising substantial proportions of picryl fluoride.

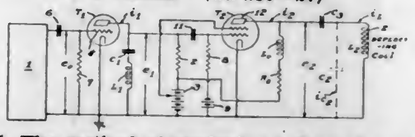
3. An explosive comprising picryl fluoride.

2,179,606
METAL VAPOR ARC LAMP
William T. Anderson, Jr., Newark, N. J., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application March 24, 1938. Serial No. 197,823
5 Claims. (Cl. 176—122)



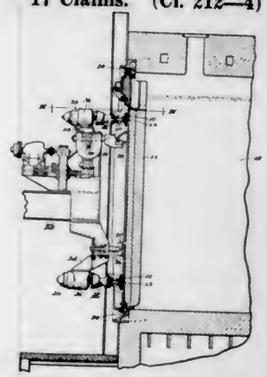
1. A vapor electric arc lamp, comprising a vitreous vacuum vessel having a tubular arc chamber terminating at each end thereof in an electrode chamber containing solid electrodes, a filling of rare atmospheric gas and mercury, two or more septums mounted in the arc chamber and having eccentric orifices through which the arc stream passes, means for supplying electric power to said electrodes sufficient to produce a constricted arc stream, said septums being spaced so that the constricted arc stream remains adjacent to one and the same side of the arc tube during its passage through the orifices in the septums.

2,179,607
CATHODE RAY DEFLECTING CIRCUITS
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 22, 1936, Serial No. 101,923
8 Claims. (Cl. 250—27)



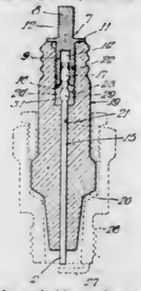
1. The method of producing a flow of current of desired wave shape through an inductance coil having distributed capacity shunted thereacross which comprises producing current which includes one component having said desired wave shape and which includes another component having a wave shape which is the second derivative of said one component, and supplying said current to said inductance coil and distributed capacity, said last component having a magnitude substantially equal to the charging current of said distributed capacity.

2,179,608
COKE-OVEN DOOR OPERATING MECHANISM
Ragnar Berg, Pittsburgh, Pa., and Robert W. Crist, Cleveland, Ohio, assignors to Koppers Company, a corporation of Delaware
Application May 5, 1937, Serial No. 140,960
17 Claims. (Cl. 212—4)



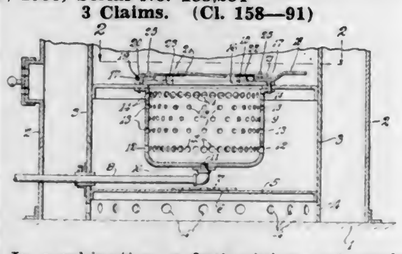
1. In apparatus for mechanically actuating a coke oven door latch having a rotatable part for operating said latch to tighten and loosen it, the combination comprising: a driving shaft in at least approximate alignment with the rotatable part of the door latch; means for rotating said driving shaft; and an adapter device for effectively transmitting rotary motion from said driving shaft to the rotatable part of the latch even though misalignment may exist therebetween, said adapter device comprising: universal joint means adapted for connection with the driving shaft; a hollow shaft-like member supported by said universal joint means; and within said shaft-like member a slidable member disposed to move longitudinally thereof under the influence of a resilient part, said slidable member being provided with means both for clutching the rotatable door-latch part and for directing it and said clutching means into suitable alignment for clutching engagement while the latch-actuating apparatus is being moved into operating station.

2,179,609
SPARK PLUG CONSTRUCTION
Earl E. Bidwell, Gary, Ind., assignor to Productive Inventions, Inc., Gary, Ind., a corporation of Indiana
Application November 20, 1937, Serial No. 175,556
14 Claims. (Cl. 123—169)



1. In an article of the class described, and in combination, a terminal member having a recess formed therein, and an electrode of substantially uniform and slightly less diameter than the diameter of said recess and having an enlarged portion adjacent one of its ends of a width slightly greater than the diameter of the recess and adapted to be forced into said recess to provide a binding electrical contact with the walls thereof.

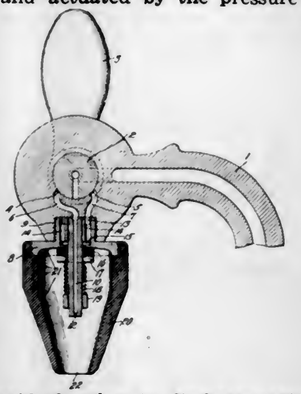
2,179,610
BURNER FOR LIQUID FUEL
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Original application March 18, 1937, Serial No. 131,573. Divided and this application January 17, 1938, Serial No. 185,284
3 Claims. (Cl. 158—91)



1. In combination, a fuel mixing and combustion chamber for liquid hydrocarbon burners, said chamber having a wall penetrated by a plurality of air inlet apertures, a baffle associated with said chamber and located above the highest of said air inlet apertures, said baffle having an aperture adapted to permit the upward flow therethrough of gases from said chamber, and means for varying the cross sectional area of said aperture and for thereby controlling the inflow of air through said apertures in said chamber wall.

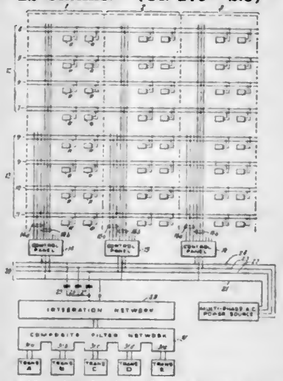
2,179,611
DRAFT ARM NOZZLE
Mortimer J. Brown, Niagara Falls, N. Y.
Application February 28, 1939. Serial No. 258,892
6 Claims. (Cl. 225—24)

1. In a carbonated liquid discharge device, the combination with means for supplying liquid under pressure, an orifice chamber connected thereto, and a braking surface outwardly of said orifice chamber extending in the direction of discharge, of a valve normally closing said orifice chamber and actuated by the pressure of the



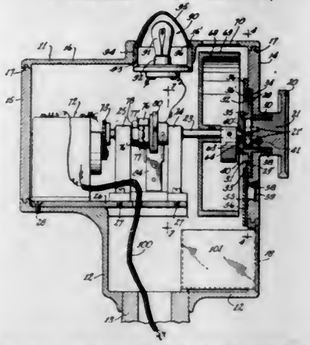
liquid in said chamber to discharge said liquid in contact with said braking surface.

2,179,612
WIRED RADIO SERVICE SYSTEM
Henry R. Butler, Verona, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application August 28, 1937, Serial No. 161,389
12 Claims. (Cl. 179—2.5)



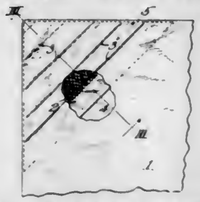
1. The method of simultaneously transmitting a plurality of programs over a power distribution network through a common integration network, comprising, generating a plurality of carrier frequencies spaced in a selected portion of the frequency spectrum, generating a plurality of different ranges of audio frequency currents, separately modulating each of said carrier frequencies with one of said ranges of audio frequency currents, thereby producing modulated high frequency energy in the form of carriers having overlapping side bands, eliminating all of the frequencies adjacent each carrier except those within a limited range preponderantly in a single side band, impressing all of said restricted frequency bands on said common integration network and simultaneously modifying the levels thereof in accordance with the respective impedances presented by said power distribution network so as to produce corresponding uniform level points in all of said bands, and impressing said integrated leveled bands simultaneously upon said power distribution network, and impressing said restricted integrated frequencies simultaneously upon said distribution network.

2,179,613
PARKING METER
Rodney B. Campbell, Los Angeles, Calif.
Application March 1, 1937, Serial No. 128,473
7 Claims. (Cl. 194—9)



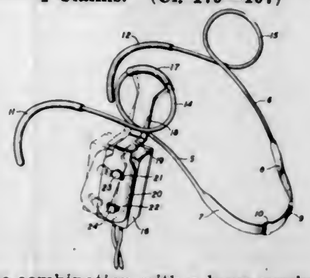
1. In a coin controlled parking meter the combination of a housing, a shaft mounted in said housing, an indicator mounted on said shaft, a motor for rotating said shaft at a predetermined speed, an arm radially mounted on said shaft, an operating knob, means operable by turning said knob for propelling and guiding a coin about a semi-circular path when said operating knob is turned, said arm extending into the path of the coin and being adapted to be engaged by a coin being propelled in said semi-circular path to set said shaft and indicator means at a predetermined position, and means operable by the rotation of said shaft in one direction for closing a circuit through said motor and for breaking the circuit through said motor when said shaft is rotated a predetermined distance in the opposite direction.

2,179,614
CONVERTIBLE DISHCLOTH AND SCRAPER
Myrtle M. Cohen, Los Angeles, Calif.
Application November 22, 1937, Serial No. 175,749
1 Claim. (Cl. 15—227)



A dishcloth of a single thickness of material and of rectangular shape, a right triangular piece of cloth of small area compared to and fitted flatly on the dishcloth with its right angle corner and edges forming the corner in coinciding relation to a corner and corresponding edges of the dishcloth, the triangular cloth being secured to the dishcloth only along said coinciding edges, to provide in conjunction with the dishcloth a triangular pocket having an open mouth of substantially the same width as the width of the triangular cloth piece at its point of greatest width, to facilitate the turning of the pocket inside out; and a flexible abrasive element secured flatly to one inner side of and wholly within the pocket and functionless in such position, to leave the full area of the dishcloth available for ordinary washing purposes, but the abrasive element being susceptible of exposure externally of the dishcloth when the pocket is turned inside out, to serve abrasive purposes.

2,179,615
AUDIPHONE
Arthur S. Craig, Kansas City, Mo., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 22, 1934, Serial No. 726,912
4 Claims. (Cl. 179—107)



1. The combination with a bone conduction receiver of a resilient supporting band adapted to encircle the back of the head, the band being provided at its ends with hooks adapted to engage over the tops of the ears and adjacent one end portion with a loop, and a receiver supporting member adjustably supported upon the loop.

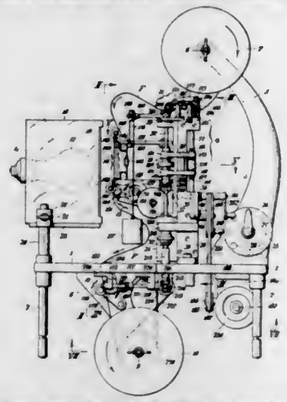
2,179,616
PROCESS OF PRODUCING A BACON RIND FOOD PRODUCT
George A. Darrow, Los Angeles, Calif.
No Drawing. Application November 2, 1938, Serial No. 238,397
5 Claims. (Cl. 53—21)

1. The process of forming an edible bacon rind product consisting in reducing a bacon rind to small particles, subjecting such particles to heat and pressure for such period of time as to effect shrinking thereof to approximately one-half the original size of the particles without jelling thereof, then subjecting the particles to a cooking action while submerged in a hot oil or fat until explosion of the cells of the rind occurs; then terminating the cooking action and allowing the product to dry.

2,179,617
PHOTOGRAPHIC REPRODUCTION APPARATUS
James J. Dilks, Jr., Haddon Heights, N. J.
Substituted for abandoned application Serial No. 27,311, June 19, 1935. This application October 20, 1937, Serial No. 170,129
4 Claims. (Cl. 88—24)

1. A photographic reproduction apparatus comprising a carriage; an apertured guide for ribbon film and a camera lens supported in alignment on the carriage; means for intermittently progressing the ribbon film for presentation of its pictures successively at the aperture of the guide; a mounting in the camera for a negative film disk, said mounting having perforations spaced along a spiral line; a reciprocating picker on the carriage for successively engaging the perforations to intermittently rotate the disk mounting; a shaft with means for actuating the picker; means for progressively shifting the carriage radially of the disk mounting so that the pictures of the ribbon film are photographed on the film

disk along a spiral line corresponding to that of the apertures in said disk mounting; and interposed drive connections whereby the ribbon film

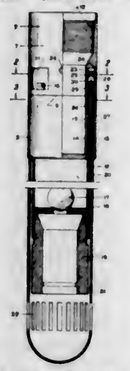


progressing means and the carriage shifting means are concurrently operated from the picker actuating shaft.

2,179,618
HEXAMETHYLENE TETRAMINE SALTS OF AROMATIC ACIDS
Monroe D. Edelman, New York, and Edmond T. Tisza, Yonkers, N. Y., assignors to Pyridium Corporation, Nepara Park, New York, N. Y., a corporation of New York
No Drawing. Application June 10, 1937, Serial No. 147,510
10 Claims. (Cl. 260—501)

1. As a new medicinal product, the compound obtained by reacting methenamine with an aromatic acid of the formula: ARCOOH where A is an aromatic radical and R is a member of the class consisting of saturated aliphatic hydrocarbon radicals, unsaturated aliphatic hydrocarbon radicals and hydroxy-substituted aliphatic hydrocarbon radicals.

2,179,619
APPARATUS FOR WELL CLEANING
Wilbur J. Crites, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 21, 1937, Serial No. 121,688
6 Claims. (Cl. 103—234)



1. In a device of the character described, an accumulation chamber, a discharge tube within said accumulation chamber, a pressure fluid conduit opening into the upper end of said accumulation chamber exterior of said discharge tube, said accumulation chamber having inner and outer spaced walls forming its lower portion, said inner wall having an opening at its lower end closed by a standing valve, said outer wall extending below said standing valve, a passage connecting the space between said inner and outer walls with the interior of said accumulation chamber above said standing valve and a spring operated valve for said passage.

2,179,620
METHOD FOR WELL CLEANING
Wilbur J. Crites, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Original application January 21, 1937, Serial No. 121,688. Divided and this application February 27, 1939, Serial No. 258,812
2 Claims. (Cl. 166—16)

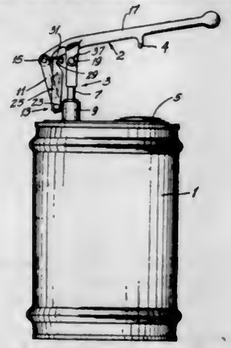


1. The method of cleaning out bottom holes in wells which are stopped by earth debris, wherein an accumulation chamber for a pump terminates in said bottom hole, comprising the steps of admitting liquid under pressure into said bottom hole in quantity sufficient to form a flowable mixture of said debris and said liquid, while retaining a quantity of liquid in said accumulation chamber, releasing said pressure whereby said mixture flows into said accumulation chamber, said liquid in said accumulation chamber diluting said mixture to a consistency whereby said mixture can be pumped.

2,179,621
LUBRICATING APPARATUS
Pierce Fletcher, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application January 17, 1938, Serial No. 185,349
6 Claims. (Cl. 221—80)

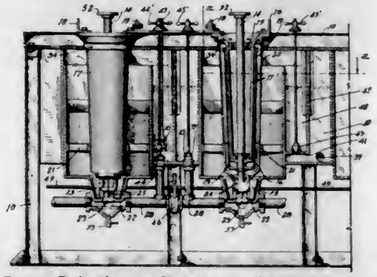
1. In apparatus of the class described a container, a pumping mechanism thereon having a reciprocating plunger and operating parts located substantially to one side of the center of gravity of the container, an operating and supporting handle extending laterally from said operating parts and across said center of gravity, said handle having an unobstructed lifting region substantially above said center of gravity to provide for grasping said handle for carrying the container in a substantially symmetrically suspended

manner, and means for limiting the upward travel of the handle to a substantially horizontal carry-



ing position when the reciprocating plunger is in a mid-position in its reciprocation.

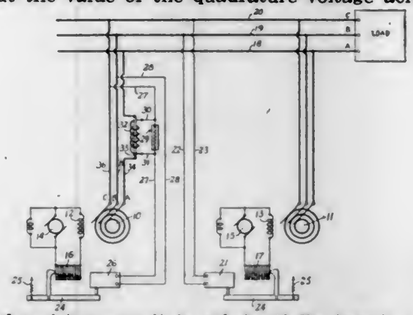
2,179,622
FLOTATION MACHINE
Alva H. Garrett, Denver, Colo., assignor of fifty per cent to Charles O. Parker, Denver, Colo.
Application February 15, 1938, Serial No. 190,594
9 Claims. (Cl. 261—93)



1. In a flotation cell, means for supporting an impeller adjacent the bottom of said cell, comprising: a vertical shaft extending downwardly within said cell to said impeller; a shaft support extending downwardly adjacent said shaft; means supporting said shaft at its upper extremity; bearings carried by said shaft support and supporting said shaft in said cell, the lowermost bearing being positioned adjacent said impeller; and a tubular cup member sealed to said shaft below said lower-most bearing and extending upwardly concentrically thereabout to enclose said shaft support and to prevent said solution from reaching said bearings.

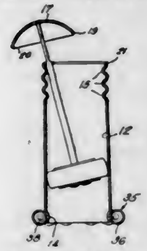
2,179,623
CONTROL OF PARALLEL OPERATION OF GENERATORS
Frank W. Godsey, Jr., North Adams, Mass., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application February 1, 1936, Serial No. 61,867
2 Claims. (Cl. 171—119)

1. In apparatus for regulating a polyphase alternator by means of the source of voltage of one phase and the current in one conductor, the combination of, a regulating unit, an electric circuit connecting said regulating unit to the source of voltage of the one phase, said circuit including a resistance unit having the characteristic that the voltage thereacross varies with changes in the current flowing therethrough at a rate less than the change in the rate of current flow, and a current transforming unit with its output side connected across said resistance unit and with its input side carrying the output current of one alternator conductor to produce a voltage across said resistance unit which is in quadrature with the voltage of said source of the one phase, the relative characteristics of said current transforming unit and the other elements associated with said electric circuit being such that the value of the quadrature voltage across



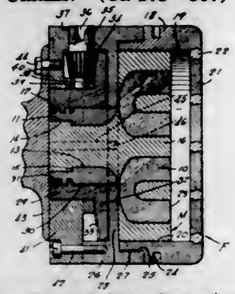
said resistance unit is substantially twenty per cent of the voltage of said source of the one phase when a normal load current is flowing, whereby a regulating voltage is impressed upon said regulating unit which is the resultant of two components, one of said components being the potential across the source of the one phase and the other component being a quadrature potential that is a nonlinear function of the current output of the alternator and is of a value to cause out-of-phase currents to become effective in the regulation of the alternator to maintain the out-of-phase currents at a minimum.

2,179,624
RECEPTACLE
Harold E. Graham, Pomona, Calif.
Application June 20, 1936, Serial No. 86,326
10 Claims. (Cl. 65—45)



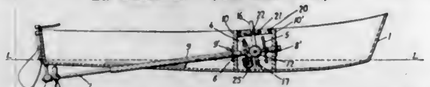
2. In combination in a shaker: a body open at its upper and lower ends and providing inner walls bounding an upright chamber, at least a portion of said chamber being of uniform size and shape in cross section throughout the length of this portion, this portion being bounded by side walls; an upwardly-movable top removably seating against said body to close the upper end of said chamber; a friction member extending entirely across said portion of said chamber which is of uniform size and shape in cross section at a position below top and slidably engaging said side walls bounding said portion of said chamber to permit vertical movement of said friction member along said side walls to form an adjustable bottom for said upright chamber; and means for interconnecting said removable top and said friction member to move same vertically as a unit, said means including a rod extending downward in said chamber and means for securing said top and said friction member to opposite ends of said rod to maintain said top and friction member constantly spaced when said friction member is pressed upward, the lower end of said body being open to permit manual engagement with said friction member.

2,179,625
WORK HOLDER
John J. Groden, Philadelphia, Pa.
Application September 1, 1938, Serial No. 227,875
11 Claims. (Cl. 175—367)



1. A work holder of the character described comprising a magnet assembly including a plurality of permanent magnets of the horseshoe type, the ends of said magnets lying substantially in the face of said magnet assembly, a face plate including pieces of magnetic material with pieces of non-magnetic material interposed therebetween, structure for associating said face plate with said magnet assembly so that said pieces of magnetic material in the face plate constitute continuations of the ends of said horseshoe magnets, and mechanism for moving said magnet assembly toward and away from said face plate.

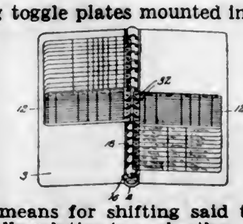
2,179,626
MOTORBOAT DRIVING MECHANISM
Harry V. M. Hall, Berkeley, Calif.
Application October 24, 1938, Serial No. 236,598
11 Claims. (Cl. 115—34)



3. In a motorboat drive mechanism, a boat having an engine compartment located between bulkheads, a longitudinally extending rotating shaft driven by the engine and having a member of larger diameter secured thereto, and whose outer face is adjacent the bottom of said boat, and scoop means adjacent said member to catch water thrown therefrom and pipe means attached to said scoop means to discharge said water through one side of said boat above the water level.

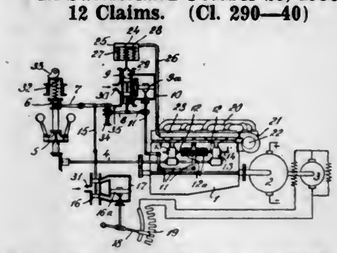
2,179,627
LOOSE LEAF BINDER
Koloman Handler, Vienna, Austria, assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application January 13, 1936, Serial No. 58,939
In Austria January 18, 1935
17 Claims. (Cl. 129—24)

12. In a loose leaf binder, a spring back, a pair of abutting toggle plates mounted in said spring



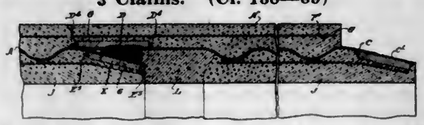
back, and means for shifting said toggle plates longitudinally relative to each other.

2,179,628
INTERNAL COMBUSTION ENGINE PLANT
Hans Heinzelmann, Effretikon, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application October 12, 1937, Serial No. 168,597
In Switzerland October 23, 1936
12 Claims. (Cl. 290—40)



1. The combination with an internal combustion engine power plant which comprises, fuel means for admitting fuel to the engine, means responsive to engine speed operatively connected to the fuel means, means for charging air under pressure into the engine, means actuated by the charging air in engagement with the fuel means for influencing the fuel admission in accordance with the charging air pressure, a generator driven by the engine, a field excitation means for the generator, a voltage control means for varying the field excitation of the generator, and coupling members connecting the means responsive to engine speed and the voltage control means whereby the fuel admission and field excitation may be varied in accordance with engine speed.

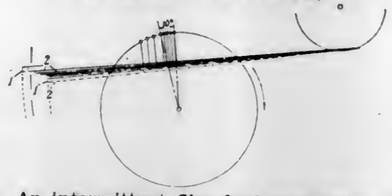
2,179,629
REINFORCED CONCRETE PIPE
Edward Hering, Beverly, N. J., assignor to United States Pipe and Foundry Company, Burlington, N. J., a corporation of New Jersey
Application February 15, 1938, Serial No. 190,561
3 Claims. (Cl. 138—85)



1. In a reinforced concrete pipe incorporating a relatively thin steel tube extending through the body of the pipe between inner and outer layers of concrete and forming at one end a bell and at the other end of the pipe a spigot, said bell and spigot ends being so formed as, when interengaged with similar pipes, to provide a caulking space between metallic surfaces on the bell and spigot, the improvement which consists in securing an end portion of each thin metallic tube to a relatively heavy metallic ring embedded in the

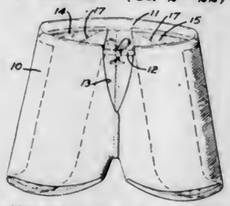
concrete on the side opposite the caulking surfaces for preventing strain, arising from the caulking process, from being transferred to the concrete portion of the pipe.

2,179,630
INTERMITTENT FEED MECHANISM
Albert George Hillman, Maidenhead, England
Application August 25, 1937, Serial No. 160,896
In Great Britain August 28, 1936
16 Claims. (Cl. 88—18.4)



1. An intermittent film-feed mechanism comprising a film-track, a member having a film-feeding tooth for pulling the film along said track, means pivotally supporting said member in such a manner as to permit said member to be moved towards and away from said track, a slide movable along said member, means for moving said slide in an orbital path so as to cause said slide to rock said member, spring means for periodically imparting to the member sudden rectilinear movements with respect to the slide towards and away from the said track so as to enter the tooth into and withdraw it from the film and means for timing said movements to occur at predetermined positions of said slide so as to effect a rapid substantially straight travel of the tooth through the film without displacing the latter.

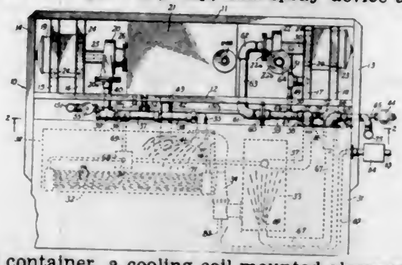
2,179,631
PROTECTIVE ATHLETIC GARMENT
Brooks R. Holder, Richmond, Calif.
Application October 16, 1937, Serial No. 169,418
4 Claims. (Cl. 2—22)



1. A protective garment for athletic wear, comprising a padded pants-like garment having a belt enclosing waistband at the top and having a closed crotch and a wide V-shaped fly opening extending upwardly at the front thereof, and a belt forming member extending through said belt enclosing waistband adapted to be secured in said fly opening without a shirring or an overlapping at the waistband of the garment.

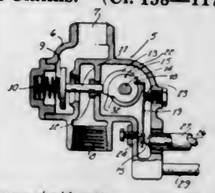
2,179,632
COOLING SYSTEM
George E. Hulse, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application November 27, 1936, Serial No. 112,939
19 Claims. (Cl. 62—152)

19. In refrigeration apparatus including a cold water cooling system, the combination of, a frame, an evaporator supported on said frame, a steam ejector device connected to said evaporator and supported on said frame, a condenser connected to said steam ejector device, means for directing steam through said steam ejector device, a container for said condenser supported on said frame, a spray device for said condenser mounted in said container, a rotary pump suspended from said frame and connected to said spray device, a sump suspended from said frame, pipes interconnecting said sump, said pump, said spray device and



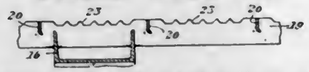
said container, a cooling coil mounted above said frame, a rotary pump suspended from said frame, pipes interconnecting said coil, said evaporator and said last-mentioned pump, valve means connected to said sump and said last-mentioned pump at points above the bottoms thereof to drain all of the water from all of said pipes, said evaporator, said coil and said container and a portion of the water from both of said pumps and said sump, and thermostatic means for controlling said valve means.

2,179,633
AUTOMATIC SAFETY DEVICE
Wayne E. Jenkins, Los Angeles, Calif., assignor to Domestic Manufacturing Company, Inc., Los Angeles, Calif., a corporation of California
Application July 24, 1937, Serial No. 155,457
4 Claims. (Cl. 158—117.1)



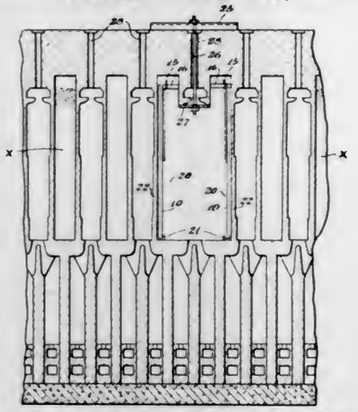
1. A thermostatically-controlled device for automatically shutting off the fuel supply to a main burner in response to an extinction of a pilot flame, comprising: a normally open valve situated in the main burner fuel supply line, a manually rotatable shaft having mounted thereon and rotatable therewith a cam operative to open and hold open said valve, a spring operative to rotate said shaft and said cam for effecting a closure of said valve, a latch-plate mounted on and rotatable with said shaft, a fulcrumed latch member having a relatively long lever arm the free end of which is operative to latchingly engage said latch-plate and, when so engaged, to restrain said cam against rotation by said spring, and a thermostat of the tube and rod type in operative engagement with said latch member at a point relatively close to its fulcrum, the arrangement being such that a small movement of said thermostat transmitted to said latch member will bring about a relatively large movement of the free end of said long lever arm and will cause said latch member to disengage said latch plate and permit said valve to close whenever the pilot flame may become extinguished, said thermostat being situated adjacent the pilot flame and responsive thereto.

2,179,634
WALKWAY, PARTICULARLY FOR RAIL CARS
Thomas J. Joyce, Pittsburgh, Pa., and Thomas W. Delanty, Hubbard Woods, Ill., assignors to Tri-Lok Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 3, 1937, Serial No. 157,086
3 Claims. (Cl. 105—457)



2. A running board construction comprising a grating including longitudinal bars provided with slots, transverse bars including lower edge portions disposed within the said slots and deformed thereby so as to interlock the said longitudinal and transverse bars together, each of the said longitudinal bars having notches formed therein in the upper edge thereof and the said notches providing a safety tread upon and as an integral part of the said grating, and means for attaching the said grating to a supporting structure.

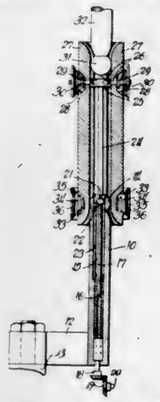
2,179,635
COKE-OVEN OPERATING APPLIANCE
Singleton H. Kimmel, Pittsburgh, Pa., assignor to Koppers Company, a corporation of Delaware
Application January 17, 1939, Serial No. 251,295
7 Claims. (Cl. 202—270)



7. A coke-oven battery having a horizontally-elongated coking oven formed between flued heating walls and, in said coking oven, a shiftable bulkhead that is removable through the mouth thereof and which comprises a mobile, preformed and substantially rigid slab-like member formed of a refractory heat-insulating material, whereby mutual heat transfer between larger surfaces of opposite heating walls can be optionally and extensively inhibited to establish a steep temperature gradient therebetween.

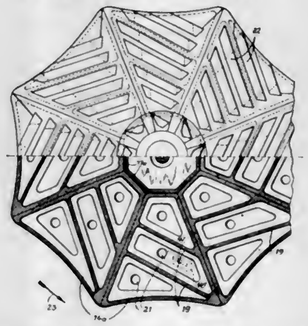
2,179,636
ELECTRICAL CONNECTOR
Charles H. Koehler, Oak Park, Ill.
Application March 9, 1936, Serial No. 67,849
8 Claims. (Cl. 200—163)

6. An electric switch comprising, in combination, a pair of spaced apart normally relatively stationary contact members normally adapted to be in axial alignment but likely to be positioned slightly out of alignment and having convex spherical contact portions; and a connector member movable along the common axis of said contact members and including a plurality of individual contact shoes arranged to surround both said contact members, each contact shoe having



a contact surface adjacent each end for engaging the respective spherical contact portions of said contact members, support means for and movable with said contact shoes, and resilient means individual to each contact shoe and acting between said support means and said contact shoes for urging said contact shoes into engagement with said convex spherical contact portions of said contact members.

2,179,637
GAS PRODUCER
Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application April 8, 1936, Serial No. 73,230
In Germany March 22, 1934
2 Claims. (Cl. 126—182)



1. A gas producer having a revolving grate with openings for diffusion of aeriform fluid into the producer fuel bed zone, arranged in annular zones of different level, the openings in the respective zones of the grate being connected in groups with distributing chambers individual thereto and arranged beneath the diffusion openings, and each of said distributing chambers being connected by ports to a common

aeriform fluid supply chamber, the free section of the connecting ports between the distributing chambers and said common supply chamber having such dimension that a pressure drop in the aeriform fluid current will occur as it enters each of the distributing chambers from the common chamber, and an auxiliary aeriform fluid supply means for concurrently feeding aeriform fluid to the distributing chamber of a localized sector of the grate independently of the supply of aeriform fluid simultaneously from the common chamber to the other distributing chambers of the grate.

2,179,638

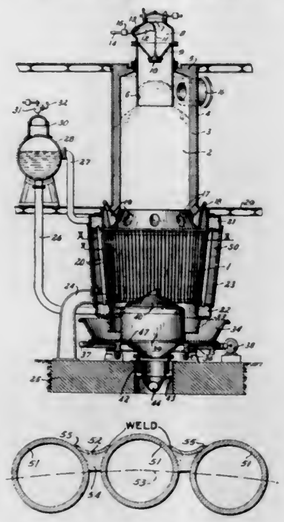
GAS PRODUCER

Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application June 10, 1936, Serial No. 84,397

In Germany June 7, 1935

1 Claim. (Cl. 48—68)



A gas producer comprising a shaft for the fuel to be gasified, the inner face of at least the gasification zone of the shaft being constituted of a number of generally vertical tubes with the tubes unprotected from surface contact with fuel in the gasification zone, the tubes being connected each at their upper and lower ends with annular water chambers provided with means for supply of a cooling liquid into the water chamber for the tubes, said tubes being interconnected with each other to form a gas-tight wall by metallic strips accommodating expansion of the tubes, said strips being coextensive in length with the tubes and nesting between two adjacent tubes so as to be generally parallel with a line connecting the tube centers, each of said strips having its longitudinal edges welded to the tubes between which they nest on one and the same side of the center line of the tubes and having the portion between said longitudinal edges curved oppositely to the curvature of the portions of the tubes that are on the same side of the line connecting the centers of the tubes that the welds are on, the space between each strip and the adjacent tubes they respectively connect being filled with a mass of refractory material.

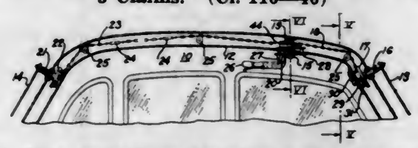
2,179,639

DIRECTION INDICATOR FOR AUTOMOBILES

James Lane, San Anselmo, Calif.

Application February 20, 1939, Serial No. 257,310

5 Claims. (Cl. 116—46)



1. In a semaphore signaling means for automobiles, the combination of an automobile body having a front wall extending at an angle to its top with a windshield opening therein, of a shaft extending outwardly through the front wall of the automobile body having a semaphore upon its outer end, means mounted upon the ceiling of the automobile body above the operator's seat having a driving connection with said shaft for controlling the position of said semaphore, and an indicating means associated with said first shaft located inside the automobile body adjacent its windshield opening, whereby the signaling position of said semaphore as controlled by said means upon the ceiling of the automobile body may be observed by the operator without distracting his attention from the highway ahead.

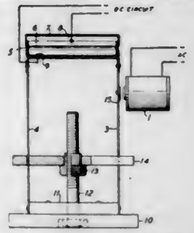
2,179,640

RELAY

Emory Lakatos, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 31, 1936, Serial No. 108,593

4 Claims. (Cl. 200—91)



1. In an electromagnetic device, an operating magnet energizable by alternating current, an armature for said device, a container oscillatable by said armature along a rectilinear path in response to said energization, a mass of mercury in said container restricted in cross-section by the walls of said container, the size of said container being such as to render the free surface of said mercury resonant to the energizing current, and an adjustable contact with which said mercury makes contact by its distortion at right angles to said direction of oscillation.

2,179,641

ARTIFICIAL FISH LURE

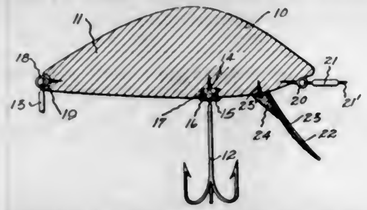
Jester L. Layfield, Powell, Tex.

Application April 15, 1939, Serial No. 268,037

3 Claims. (Cl. 43—46)

1. An artificial fish lure comprising in combination, a body, fish hooks secured to said body, an oval spoon shaped disc projecting forwardly and downwardly from said body, means on the forward face of said body to transmit a life-like motion to said body, a keel weight secured to said disc adjacent said body, said disc and said weight

cooperating to control the depth maintained by said body during forward travel thereof, and



guide means for maintaining said lure in a desirable position during use thereof.

2,179,642

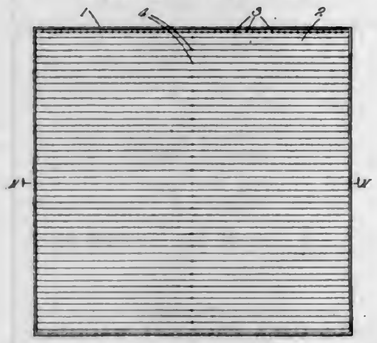
APPARATUS FOR THE GERMINATION OF SEEDS AND THE GROWTH OF SEEDLINGS

Henry Hilton Blair Lund, Welwyn Garden City, England

Application July 6, 1937, Serial No. 152,266

In Great Britain July 6, 1936

6 Claims. (Cl. 47—1.2)



1. In a soil-less cultivation apparatus including a closed cabinet having means for producing a downflow of fertiliser liquid within the same and means for receiving trays intended to contain seeds or seedlings so as to allow the trays to be grouped one below the other beneath the liquid downflow, the feature which consists of a seed or seedling containing tray comprising a horizontal bottom member and corrugations formed in said bottom member to constitute valleys and apices, there being a plurality of apertures formed along the apices of the corrugations to permit fairly rapid passage of the fertiliser liquid through the tray, and there being at least one aperture formed in each valley of the corrugations between the apices of the same and among the apertures upon said apices in order that liquids collecting therein may slowly escape therefrom.

2,179,643

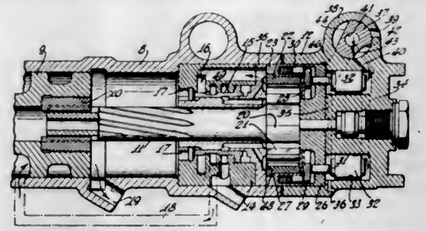
ROTATION RELEASE FOR ROCK DRILLS

Matthew O'Farrell, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application July 30, 1938, Serial No. 222,094

3 Claims. (Cl. 121—7)

1. A rock drill comprising a cylinder, a hammer piston reciprocable therein and capable of rotation, a rifle bar slidably engaging the hammer piston for imparting step-by-step rotation thereto, a ratchet ring having a pawl and ratchet connection with the rifle bar, whereby the rifle bar is permitted to turn only in one direction relative to the ratchet ring, releasable locking means for holding the ratchet ring against rotation in opposite direction relative to the cylinder, said locking means comprising a locking ring movable axially into and out of locking engagement with the ratchet ring, a fixed ring surrounding said ratchet ring, a plurality of circumferential spaced recesses in said fixed ring, a spring pressed releasing plunger mounted in each of said recesses and engaging one end of the locking ring to tend to move it toward releasing position, a plurality of circumferential spaced locking plungers on the opposite end of said locking ring, and fluid pressure means for moving said locking plungers against the locking ring to overcome the releasing plungers.



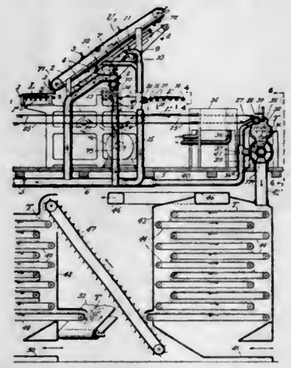
2,179,644

TOBACCO HANDLING AND PREPARING

Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application November 23, 1934, Serial No. 754,496

46 Claims. (Cl. 131—57)



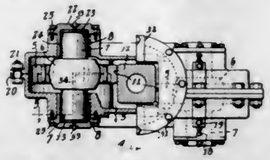
5. Apparatus combining in a unitary system means for the continuous treatment of initially unstemmed tobacco leaves to convert the same into stemmed shreds suitable for tobacco filler, said apparatus comprising cooperating means for stemming leaves, means receiving and shredding the stemmed leaves, means for adding casing fluid to the shreds, means for reconditioning said cased shreds, and mechanisms coordinated with said several means for respectively forwarding tobacco leaves into the range of action of said stemming means, and from said stemming means to said shredding means, from said shredding means to said casing means, and from said casing means to said reconditioning means.

2,179,645

DRILL STEM ROLLER DRIVE BUSHING

John D. Spalding, Los Angeles, Calif., assignor, by mesne assignments, to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 19, 1937, Serial No. 154,433
Renewed March 4, 1938
18 Claims. (Cl. 255—23)



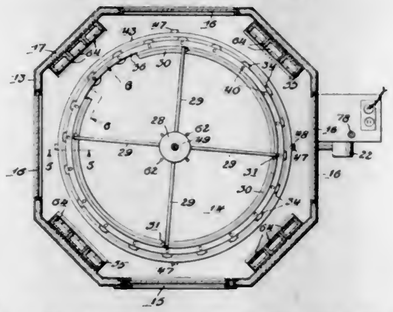
10. In combination with a rotary machine, a drive bushing adapted to cooperate therewith to impart rotation to a drill stem, said drive bushing having a guide adapted to cooperate with the drill stem to maintain the latter in proper driving position, said guide being mounted for freedom of rotary movement relative to said bushing about the axis of the drill stem.

2,179,646

BARBECUE MACHINE

Michael P. Spartalis, St. Paul, Minn., assignor of twenty per cent to Nick Chiomes and twenty per cent to J. P. J. Dolan, both of St. Paul, Minn., and twenty per cent to Constantine M. Rallis, of Minneapolis, Minn., and forty per cent to Athena M. Spartalis

Application May 4, 1935, Serial No. 19,829
Renewed October 13, 1938
13 Claims. (Cl. 126—41)



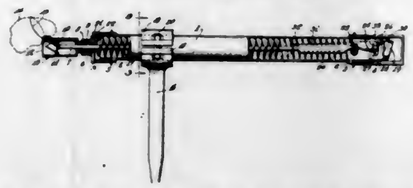
10. In a device of the kind described, an annular track, an annular conveyer concentric with said annular track, a circumferentially spaced series of planetary drive elements journaled on said annular conveyer and rotatively engaging said annular track, the axes of said planetary drive elements being parallel to the axis of said annular track, an annular driving ring rotatively engaging said planetary drive elements, food holders carried by and projecting axially from said planetary drive elements and common movements therewith, a drive shaft co-axial with said track and ring, and at least one driving arm projecting radially from said shaft and operatively engaging said ring, an inner food holder removably carried by said drive shaft substantially co-axial therewith, said inner food holder being disposed in the plane of the annular series of food holders and the annular space radially between said inner food holder and the annular series of food holders being open, and heating means disposed radially outward of the annular series of food holders in the plane of the several food holders and arranged to direct its rays toward said inner food holders.

2,179,647

TRAPPER'S SPRING GUN

Irvin A. Stephens, Las Vegas, Nev.

Application March 3, 1937, Serial No. 128,718
1 Claim. (Cl. 43—79)



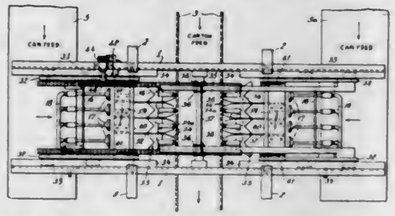
A spring gun comprising a hollow casing, a spear having a greater portion of the shank thereof within the casing and the head thereof outside the casing, a trigger mechanism secured to and within the casing, a socket within the casing adapted to surround one end of the shank and adapted to be connected to the trigger mechanism, a coiled spring surrounding the shank and secured at one end to the casing and at the other end to the socket, a bait securing member attached to the spear head, an eye secured to the shank and a frangible member attached to the eye and to the trigger mechanism whereby when a force is applied to draw the bait securing member away from the spear head a force will be transmitted through the spear to the frangible member thereby breaking the frangible member, releasing the socket, and permitting the spring to project the spear in the direction of the bait end of the casing.

2,179,648

CELL CASE PACKING MACHINE

Josephus J. Thayer, La Grange Park, Ill.

Application October 5, 1937, Serial No. 167,365
28 Claims. (Cl. 226—14)



2. In a can centralizing device of the character described, a narrow flat plate having a can-shifting notch in one edge and a pair of flexible resilient fingers secured to and projecting from its opposite edge.

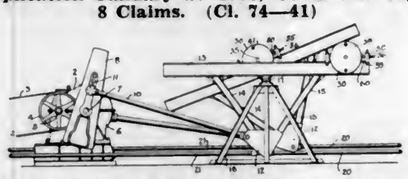
4. A can centralizing device for cell case packing machines comprising a grid having two sets of parallel plates assembled at right angles to one another and forming a plurality of can-directing chutes corresponding to the cells of the case, one set of said plates having can-shifting notches at their entrance edges, and the opposite edges thereof having flexible fingers projecting therefrom and engaging the partitions forming the cells of the case, and means for causing a charge of cans to move through said chutes into the case.

2,179,649

BEAM WEIGHT

Walter C. Trout and John L. Fincher, Lufkin, Tex.; said Fincher assignor to Lufkin Foundry & Machine Company, Lufkin, Tex., a corporation

Application January 27 1936, Serial No. 60,956
8 Claims. (Cl. 74—41)



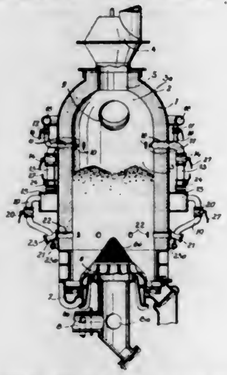
1. A vertical swing for pumping mechanisms comprising a double jack post, a pair of swings positioned thereon to oscillate in a vertical plane, each of said swings including a beam, a swing frame connected thereto, means to connect each swing to the wells to be pumped and to a pumping unit, and adjustable means to counterbalance each beam in accordance with the pull thereon from the well.

2,179,650

INTERMITTENTLY OPERATED WATER-GAS GENERATOR

Paul Van Ackeren, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application August 10, 1937, Serial No. 158,279
In Germany August 12, 1936
5 Claims. (Cl. 48—73)



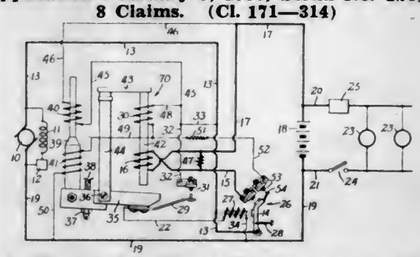
1. A water-gas generator comprising a shell having a fuel-bed chamber therein; means for introducing fuel to be gasified at the upper part of the generator and central mechanical gas-diffusion-hood grate-means for withdrawing ash at the lower part of the fuel-bed chamber; means at the lower part of the fuel-bed chamber for up-air-blasting a fuel bed in the chamber with a primary air-blast and for withdrawing down-run water-gas from the fuel-bed chamber through the mechanical gas-diffusion-hood grate-means; and means at the upper part of the fuel-bed chamber for introducing down-run water-gas making steam and for withdrawing up-air-blow gases from the fuel-bed chamber above the top level of the fuel-bed for which the fuel-bed chamber is designed to be charged with fuel; and means comprising a series of secondary air inlet-ports in the generator shell and conduits individual thereto extending through the shell to the ports from outside the shell and a bustle pipe for the conduits, said inlet-ports and conduits and bustle pipe therefor being arranged circumferentially around the upper part of the generator for introducing secondary air circumferentially into the generator chamber above the fuel bed therein concurrently with the operation of the up-air-blast means, for secondary combustion of the blow gases therefrom in the top of the generator above the fuel bed therein in advance of off-flow of the blow gases to the upper offtake means therefor; and in which a separate shut-off valve is provided in each of the aforesaid individual conduits for the respective secondary air inlet-ports, with the shut-off valves located in a portion of their respective pipes that is so very near to the openings for the pipes in the generator shell as to thereby keep the portion of the individual pipes that is exposed to receive gas and air mixtures from the fuel-bed chamber, when the shut-off valves are closed, so small that such exposed portions of the pipe cannot hold a mixture of gas and air to cause a serious explosion theref therein.

2,179,651

ELECTRICAL SYSTEM

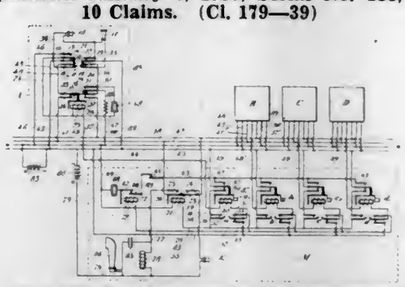
Louis H. Von Ohlsen, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey

Application February 9, 1937, Serial No. 124,838
8 Claims. (Cl. 171—314)



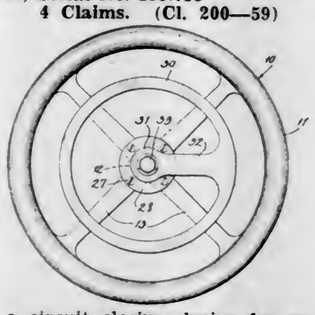
1. The combination with a generator, a battery, and a normally open switch means for connecting said generator and said battery, of electromagnetic means for effecting closure of said switch means comprising a pair of independently magnetizable pole pieces, a rockable armature mounted to be influenced by the magnetic flux present in said pole pieces, a first winding surrounding one of said pole pieces energizable in accordance with the current flowing through said switch means, a second winding surrounding a second of said pole pieces and connected in parallel with said switch means, a third winding mounted with said first winding, a fourth winding mounted with said second winding, said third and fourth windings being connected in series across said generator, a resistance shunt, and circuit means including a switch operative to close a connection through said shunt, said first and third windings cooperating when said generator is charging said battery to hold said armature in one position and said first and third windings opposing each other when said battery is discharging through said generator, said second and fourth windings cooperating to hold said armature in its other position when the battery voltage is above the generator voltage and said second and fourth windings opposing each other when said switch means is open and the battery voltage is below the generator voltage, said shunt and its switch being effective to increase the current through said fourth winding when said switch means is closed and to increase the current through said second winding when said switch means is opened.

2,179,652
TELEPHONE SYSTEM
William H. Waite, Lynbrook, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application January 7, 1938, Serial No. 183,744
10 Claims. (Cl. 179—39)



1. In a telephone system, the combination of a master station, a plurality of substations, a plurality of conductors each connected to each substation and to the master station, a single conductor between each substation and the master station individual only to those substations, two relays in each said single conductor individual to the master station and the corresponding substation, a telephone instrument at the master station controlled by the corresponding relay, a telephone instrument at each substation controlled by the corresponding relay, and a switch in each said single conductor for operating the corresponding relays.

2,179,653
CIRCUIT CLOSING DEVICE
Leo Weil, Brooklyn, N. Y.
Substituted for abandoned application Serial No. 283,151, June 6, 1928. This application August 18, 1937, Serial No. 159.735
4 Claims. (Cl. 200—59)



1. In a circuit closing device for an electric horn circuit, the combination with a steering wheel carrying a fixed contact for said circuit and a spring pressed push-button capable of tilting movement relative to said fixed contact, of means for closing said circuit without removing the hand from the rim of the steering wheel, said means comprising a member extending adjacent said rim of said wheel, said member being secured to the top surface of said push-button by a single fastening means, said fastening means having a portion constituting the movable contact for said circuit.

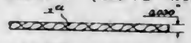
2,179,654
FAUCET CONNECTION
Samuel L. Weiss, Brooklyn, N. Y.
Application June 20, 1938. Serial No. 214,771
2 Claims. (Cl. 285—90)

1. In a detachable coupling for securely connecting a hose to a faucet, comprising a rubber body having an outer shell and a sleeve positioned in annularly spaced relation in said shell, means in said annular space for maintaining said spaced relation of said shell and sleeve, said spacing means being longitudinally positioned and being substantially co-extensive with said sleeve and adapted for radial movement simultaneously with radial movement of said sleeve,



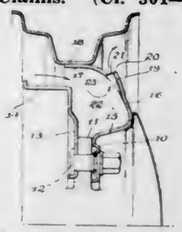
said outer shell being free to expand and assume a position separated from said sleeve and from said separating means, said expanded position of said outer shell forming a complete annular chamber for liquid under pressure circumscribing said separating means and causing said sleeve to grip said faucet nozzle and augment the gripping power of the faucet connection on the faucet nozzle all around its periphery and with a maximum pressure all along its length.

2,179,655
DRIVE BELT FOR TEXTILE SPINDLES
Roger W. Cutler, Boston, Mass.
Application February 8, 1939, Serial No. 255,264
13 Claims. (Cl. 74—231)



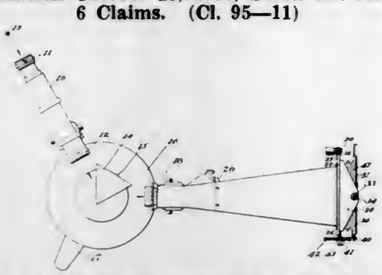
1. An endless textile spinning or twisting belt comprising a single ply of flexible selvaged tape composed of interwoven or interbraided yarns predominantly of cotton, said tape having a thickness of 0.027 to 0.031 inch, and a minimum length of 70 yards per pound in the ⅝ inch width and other widths in proportion, and means flexibly uniting the ends of the tape.

2,179,656
DISK WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 29, 1937, Serial No. 156,359
3 Claims. (Cl. 301—6)



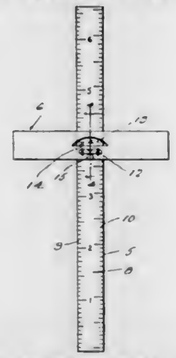
1. A disk wheel body having a substantially radially extending mounting portion, and a deeply dished portion extending from said mounting portion to the rim, said dished portion being formed with an annular series of embossments pressed to extend axially outwardly of the body of the disk, the radially outer margins of said embossments being arranged substantially on a circle concentric with the rim, and providing openings to the outer face of the disk between said margins and the disk body for the circulation of air by centrifugal action from the inner face of the disk to the outer.

2,179,657
CAMERA
Roger S. Estey, Buffalo, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application October 15, 1937, Serial No. 169,249
6 Claims. (Cl. 95—11)



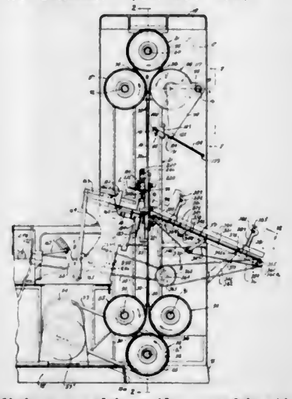
1. In a device for photographing spectra, a source of illumination, a base, a collimating member supported on said base at one side thereof and disposed to receive light from said source, a dispersing member rotatably supported on said base independently of said collimating member and adapted to receive collimated light therefrom and to disperse said light into a spectrum, and a camera member also supported on said base at one side thereof and positioned so as to receive the spectrum formed by said dispersing member, said camera member including a focusing lens and an exposure shutter adjacent said camera support, sensitive plate supporting means vertically pivoted substantially midway across the rear of said camera, a calibrated actuating member pivoted on said supporting means for adjusting said plate supporting means about its pivot, and a locking member adapted to act on said actuating member to hold said plate supporting means in desired adjusted position, whereby said plate supporting means may be pivoted about said vertical pivot by movement of said actuating member to provide the angled surface necessary to properly focus the entire spectrum, and may be locked in desired position by said locking member.

2,179,658
ELECTRICIAN'S GUIDE
Michael J. Gallagher, Kingston, N. Y.
Application February 14, 1938, Serial No. 190,515
2 Claims. (Cl. 33—89)



1. A device of the class described comprising a standard having a straight lower edge and graduations on the front face thereof extending longitudinally, an elongated cross member of greater thickness than the standard and having a vertically arranged notch in its center which opens out through the rear face of the cross member and through which the standard passes with the rear face of the standard flush with the rear face of the cross member, the cross-sectional shape of the standard and the shape of the notch acting to slidably hold the cross member on the standard, said cross member having a centrally arranged sight opening therein, the lower wall of which is straight and located at the longitudinal center of the cross member, said opening exposing the graduations on the front face of the standard, said cross member having straight and parallel upper and lower edges, a screw carried by the cross member engaging the standard for holding the parts in adjusted position, and a spirit level horizontally arranged on the front face of the cross member and located below the opening and paralleling the bottom wall of said opening.

2,179,659
MULTIPLE BAND BLADE SLICING MACHINE
William Walter Hartman, Los Angeles, Calif.
Application May 14, 1938, Serial No. 207,931
20 Claims. (Cl. 146—88)

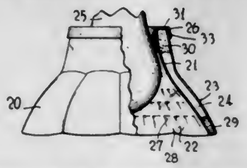


1. In a slicing machine, the combination of a plurality of rotatable blade supporting drums spaced apart from each other, a plurality of endless band blades mounted side by side about said spaced apart blade supporting drums, blade twisting guide means contacting and twisting said blades into spaced parallel slicing planes, blade back-up means elongated to extend transversely of substantially all the blades and adapted to support the rearward edges of the blades, and power driven means for imparting a motion of translation to said blade back-up means lengthwise of said blade back-up means and transversely of the blades to reduce wear.

2,179,660
REFLECTOR
Robert I. Johns, Brooklyn, N. Y., assignor to Janet S. Johns, Brooklyn, N. Y.
Application July 29, 1936. Serial No. 93,300
4 Claims. (Cl. 240—103)

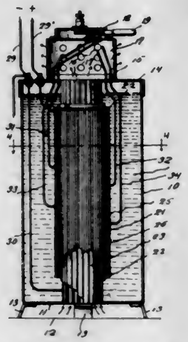
1. A reflector formed of two glass walls and adapted to be mounted directly upon an electric light bulb, formation of said walls being such that a space is left therebetween, a ring of binding material within said walls, said ring serving to absorb heat and reinforce said reflector, and a yieldable buffer ring adhesively secured to the top of said reflector, said buffer ring comprising a

portion which is operatively arranged between said walls and said bulb, thereby serving to pre-



vent said reflector from coming in contact with the heated surface of the bulb.

2,179,661
WELDING TRANSFORMER
Johnie J. Jones, Roswell, N. Mex., assignor, by direct and mesne assignments, to Roswell Welding Company, Inc., Roswell, N. Mex., a corporation
Application December 17, 1937, Serial No. 180,442
4 Claims. (Cl. 171—119)



1. A welding apparatus including a multiple point switch, a casing, a core supported centrally therein, a cooling agent contained in the casing and surrounding the core, said core embodying air conducting tubes extending therethrough and through both ends of the casing for the circulation of air through the core, a winding of predetermined length, and a plurality of wires leading fom said winding at definite spaced points along the length of the core to the points of said switch for conducting relatively different degrees of heat from said winding.

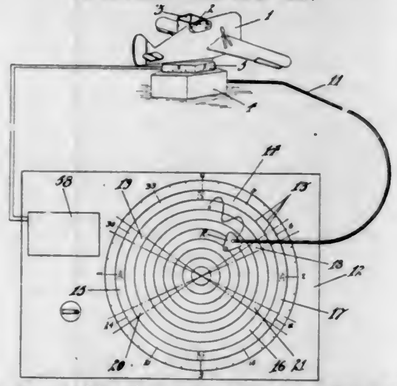
2,179,662
PAPER BURSTER TOY
Otto A. Langos, Chicago, Ill., assignor to Alfred F. Langos, Otto E. Langos, Harold L. Langos, and Matilda R. Langos, partners, doing business as Langson Manufacturing Company, Chicago, Ill.
Application December 17, 1937, Serial No. 180,421
8 Claims. (Cl. 46—195)

1. A paper burster device including in combination a handle, a frame rigidly secured thereon, a cylinder in said frame aligned with said handle, a piston and piston rod unit in said cylinder, and means for retaining said piston in said cylinder comprising a cup-shaped apertured cap fitting over said piston rod having an annular wall adapted to be inserted in an end of said cylinder and tapered in such a manner that the diameter of the wall cross-section at the inner end thereof is less than the inside diameter of the cylinder and the corresponding diameter at the outer end of the wall is greater than the natural inside



diameter of the cylinder whereby the cup is frictionally held in the end of the cylinder.

2,179,663
RECORDER
Edwin A. Link, Jr., Binghamton, N. Y.
Application September 30, 1936, Serial No. 103,377
3 Claims. (Cl. 234—1.5)

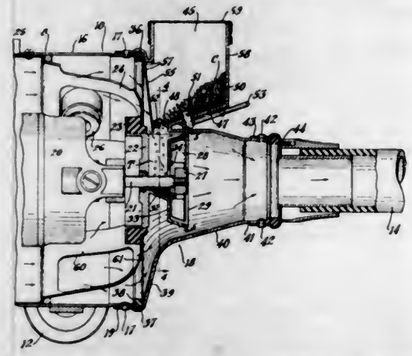


1. In combination with a trainer, ship or the like mounted for rotation about a fixed axis, an autosynchronous motor therein responsive to such rotation, a recorder remote therefrom having a marking wheel and propelling wheels, a chart over which said recorder is adapted to be moved in accordance with simulated movement of said trainer or ship, means for operating said propelling wheels to move said recorder at a speed corresponding to an assumed forward speed of said trainer or ship, and means on said recorder and connected with said propelling wheels to turn the same directionally as the direction of the trainer ship changes, said means including an autosynchronous motor on said recorder electrically connected with the autosynchronous motor on said trainer or ship.

2,179,664
SYNTHETIC SKATING SURFACE
Andrew S. MacBride, Victoria, British Columbia, Canada
No Drawing. Application December 12, 1938, Serial No. 245,271
2 Claims. (Cl. 106—1)

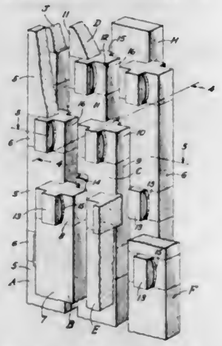
1. A synthetic skating surface consisting of a plastic composed of a mixture of naphthalene, gum dammar and carnauba wax with a suitable surface lubricant.

2,179,665
SUCTION CLEANER CONSTRUCTION
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application April 5, 1937, Serial No. 135,005
16 Claims. (Cl. 43—124)



1. Suction cleaner blower construction adapted for discharging pulverized material, including a housing having an outlet end, a driving motor in said housing having a motor shaft projecting into said outlet end, crystal pulverizing means on said motor shaft projection, a trough communicating with said pulverizing means, a discharge nozzle on the outlet end of said housing and closely surrounding said pulverizing means and said trough, and a crystal storage hopper on said nozzle for supplying crystals to said trough.

2,179,666
CHECKERWORK STRUCTURE
Arthur G. McKee, Cleveland, Ohio
Application August 5, 1938, Serial No. 223,292
10 Claims. (Cl. 263—51)



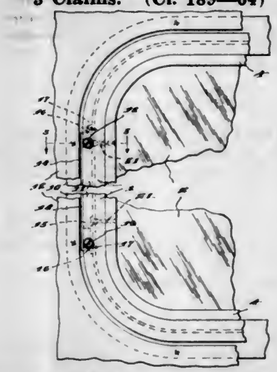
1. Checkerwork consisting of solid brickwork columns, rectangular in cross-section and arranged checker-wise in parallel, staggered rows, the body portions of each of said columns being spaced apart and directly engaged by spacing members on each diagonally adjacent column and having all surfaces exposed for heat transfer except the contact points of said spacing members.

2,179,667
CONTAINER
Louis W. Milos, Clifton, N. J.
Application May 2, 1939, Serial No. 271,246
3 Claims. (Cl. 232—4)



1. The hereindescribed container including body and closure sections telescoped together and normally interlocked against separation lengthwise of their telescopic axis but so separable on rotating one section around said axis and relatively to the other section to a given limit, one section being of flexible material and having exteriorly indicated thereon a tongue to be parted from the adjacent portion of such section by bending it into the container and the other section having within the container a shoulder arranged to be abutted by the tongue when so bent in and during effort to rotate one section relatively to the other to said limit.

2,179,668
DOUBLE WINDOW CONSTRUCTION
Russell B. Nelson, Onondaga, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application June 7, 1938, Serial No. 212,315
3 Claims. (Cl. 189—64)

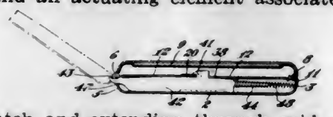


1. A double window construction comprising a sash, glass panels mounted in the sash in spaced relation with an air space between them, and a chamber for a moisture-absorbing agent carried by the sash at the edge of one of the upwardly extending edges of the sash and communicating with the space between the panels, the chamber having a loading and an unloading opening adjacent its upper and lower ends respectively, said openings extending through one of the faces of the sash and closures for said openings.

2,179,669
VANITY CASE
Winfred T. Parkin, Providence, R. I., assignor to Theodore W. Foster & Bro. Company, Providence, R. I., a corporation of Maine
Application April 18, 1936, Serial No. 75,131
4 Claims. (Cl. 220—29)

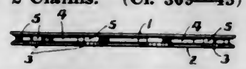
1. A casing comprising an upstanding side wall having an opening therein, an outer cover for closing an outer compartment hinged to said

side wall, an inner cover within the casing for closing an inner compartment, a catch for releasably locking said inner cover in closed position, and an actuating element associated with



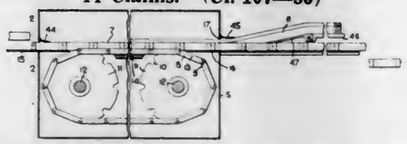
said catch and extending through said opening to a position engageable with said outer cover, when swung to an open position, to effect the release of said catch.

2,179,670
PISTON RING
Arthur Charles Richards, Leeds, England, assignor to Aero Piston Ring Company Limited, Leeds, England
Application September 6, 1938, Serial No. 228,710
In Great Britain June 24, 1938
2 Claims. (Cl. 309—45)



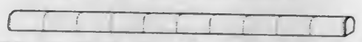
1. A piston ring having an outer circumferential groove forming top and bottom lands, said groove being formed with circumferentially disposed spaced slots and solid portions, and said bottom land adjacent the solid portions and between the slots being provided with oil-ways of sufficient width to extend into adjacent ends of neighboring slots, said slots coacting with the oil-ways to provide means to allow circulation of the oil to insure the removal of surplus oil from all parts of the ring.

2,179,671
APPARATUS FOR BAKING BREAD
Claude A. Roys, Wellesley Hills, Mass.
Application November 25, 1938, Serial No. 242,245
14 Claims. (Cl. 107—56)



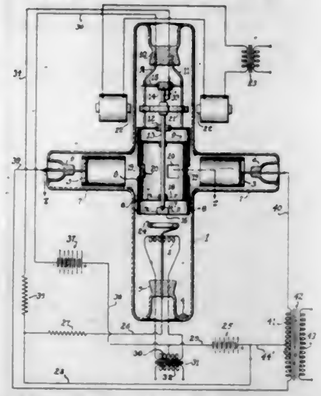
1. Bread baking apparatus comprising a series of similar rectangular pans open at both ends and the top and means for detachably connecting the said pans end to end in abutting relation to form a continuous pan trough.

2,179,672
METHOD OF MAKING LOAVES OF BREAD
Claude A. Roys, Wellesley Hills, Mass.
Original application December 7, 1937, Serial No. 178,496. Divided and this application March 1, 1939, Serial No. 259,273
3 Claims. (Cl. 107—54)



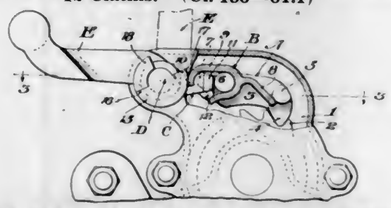
1. The method of making loaves of bread of standard weight without end crusts which consists in progressively forming a continuous substantially endless bar of dough, progressively baking the said bar with only its sides and bottom confined, and severing from the baked portion of said bar successive loaf sections of the standard weight.

2,179,673
ELECTRICAL GASEOUS DISCHARGE DEVICE
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application November 3, 1936, Serial No. 108,953
9 Claims. (Cl. 250—27)



2. An electrical space discharge device comprising a cathode, an anode, metallic barrier means interposed between said cathode and anode, said discharge device containing an ionizable atmosphere at a pressure sufficient to neutralize space charge upon the passage of a discharge therein, said barrier means having an opening through which a discharge may pass between said cathode and anode, and movable metallic shutter means adapted to periodically open and close said opening to the passage of a discharge between said cathode and anode, said barrier means and said shutter in the closed position having relatively extended juxtaposed surfaces spaced a relatively short distance apart and leaving a space into which electrons from said cathode have a tendency to pass, said barrier means and said shutter means being insulated from each other, and means for applying a negative potential to one of said means, whereby a field is set up in said space for deflecting said electrons.

2,179,674
HOLDING AND RELEASING MECHANISM FOR HAND BRAKES
Frederick J. Stolpe, Chicago, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application March 18, 1939, Serial No. 262,686
12 Claims. (Cl. 188—81.1)



9. In a hand brake, a chain winding mechanism including a ratchet wheel, a cooperating pawl, fixed means mounting said pawl for longitudinal shifting movement substantially tangentially relative to the ratchet wheel between advanced and retracted positions relative to the ratchet wheel, said mounting means supporting

the pawl in its advanced position for pivotal cooperation with the ratchet wheel and including fixed guide means for effecting disengagement of the pawl from the ratchet wheel in response to longitudinal movement of the pawl toward its retracted position, a rock shaft, and means carried by said rock shaft for shifting said pawl from its retracted to its advanced position relative to said ratchet wheel.

2,179,675
GARMENT
Charles F. Trageser, Baltimore, Md., assignor to Stadium Manufacturing Co. Inc., Baltimore, Md., a corporation of Maryland
Application March 17, 1938, Serial No. 196,477
19 Claims. (Cl. 2—93)



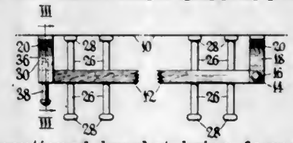
1. The combination with a garment having a body and sleeve therefor, a strain-relieving opening being formed in operative relation to the junction of the sleeve with the body; of a gusset serving as an extensible closure for the opening comprising a fabric blank folded to form leaves movable towards and away from each other and constituting longitudinally extending portions, one of said longitudinal portions being stitched longitudinally through the leaves to provide a reinforcement serving to cause the gusset to normally assume a folded condition and remain within the garment and the portions of the leaves forming the other longitudinally extending portion being integrally united to each other to permit free movement.

2,179,676
HAM PACKAGE AND METHOD OF MAKING SAME
Charles H. Vogt, Philadelphia, Pa., assignor to Modern Food Process Company, Philadelphia, Pa., a corporation of Delaware
Application July 3, 1937, Serial No. 151,925
2 Claims. (Cl. 99—108)

2. A packaged ham or like food product comprising a can, a piece of smoked meat rind or the like disposed in said can and a mixture of relatively large pieces and comminuted cured gelatinous particles of meat formed into a meat loaf of substantially uniform consistency, said particles binding said pieces to each other and to said rind, said mixture and said rind forming a meat product completely enclosed by said can.

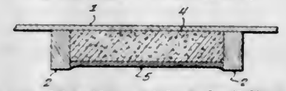
2,179,677
NECKTIE RACK
Sheridan C. Waite, Buffalo, N. Y.
Application July 28, 1938, Serial No. 221,754
3 Claims. (Cl. 211—96)

1. In a necktie rack, an elongate arm carrying a plurality of necktie supporting fingers extending laterally therefrom, a bracket adapted to be mounted upon a wall or other supporting surface in extending relation therefrom and to support said arm at one of its ends thereon in pivotable relation, and a second bracket adapted to be mounted upon said wall or other supporting surface and having a recess therein adapted to receive the other of the ends of said arm in free sliding relation therein, a pin mounted upon and extending through said arm and having an end portion disposed in registry with said recess and an oppositely disposed headed end portion to provide a convenient finger gripping portion, said



second mentioned bracket being formed with a second recess in registry with said inwardly extending end portion of said pin and adapted to receive said pin end portion in friction fitting relation.

2,179,678
WALL INSULATION
Edwin H. Wenzel, Fox Point, Wis.
Application March 18, 1937, Serial No. 131,541
2 Claims. (Cl. 20—4)

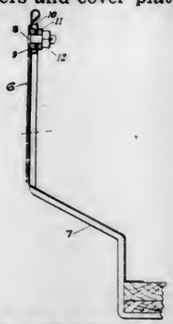


1. The combination with a building wall subject to temperature differences on its opposite sides and formed to have a wall surface on its cooler side and a cavity on its warmer side, of a thermal insulation layer of a homogeneous mass of fibrous particles of insulation material filling the cavity to an appreciable depth and extending to and in contact with the wall structure along the edges of said insulation layer, and a moisture proof barrier of unfelted fibrous material traversing the cavity over the surface of the insulation layer facing the warmer side of the wall structure and in sealed engagement therewith at all the boundaries of the cavity to divide the insulation layer from the warmer side of the wall structure and so preclude moisture infiltration into the layer through the barrier as to guard against condensation taking place within the layer by exposure to the colder side of the wall structure, said barrier being applied to said layer by forcible projection to a thickness sufficient to lend support to said layer and containing a moisture resistant adhesive material distributed throughout the barrier to bond the barrier to the fibers of the insulation layer along the contact of the barrier with the insulation layer and to integrally seal the barrier to the wall structure along all the edges of the insulation layer.

2,179,679
MINE CAR
Harold E. Abkowitz, Pittsburgh, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1938, Serial No. 225,704
5 Claims. (Cl. 105—364)

1. In a mine car having a body including spaced side walls and a gate forming an end wall of the body, the combination of gate side arms extending rearwardly from opposite sides of said gate and disposed adjacent said body side walls, apertures in said side walls adjacent the free ends of said side arms, a bearing member secured to each said side arm and disposed within said adjacent aperture, a cover plate secured to the inner face of each side wall at each said aperture and including a portion disposed in parallel spaced relation to said side wall to provide an abutment for said side arm bearing member disposed in the adjacent aperture, a bearing member secured to each said cover plate portion at

the side thereof opposite said side arm bearing member, aligned apertures in each said gate arm bearing members and cover plate, and a bearing



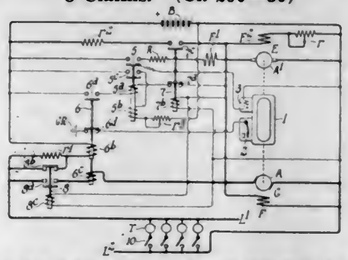
pin disposed in said aligned apertures pivotally securing each gate arm to the adjacent body side wall.

2,179,680

CONTROLLER FOR ELECTRIC GENERATING SYSTEMS

Walter O. Baer, Milwaukee, and Edwin W. Seeger, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application April 30, 1938, Serial No. 205,324
8 Claims. (Cl. 290—30)



1. In an electric generating system, a storage battery, a dynamo electric machine having an armature, an internal combustion engine for driving said machine, said machine being adapted to act as a motor for cranking of said engine, a normally open switch for establishing a motoring circuit for said machine from said battery, an operating winding for said switch and means for connecting said winding across said battery in series with said armature to provide for closure of said switch, said winding being influenced by current conditions in said motoring circuit to provide for opening of said switch when said machine is driven at a predetermined speed by said engine.

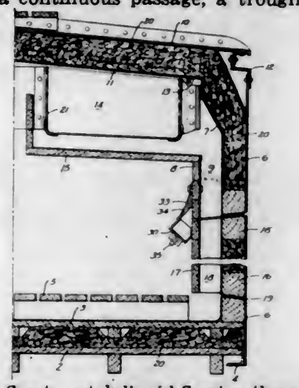
2,179,681

REFRIGERATOR CAR

Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application October 1, 1938, Serial No. 232,741
12 Claims. (Cl. 62—17)

1. In a refrigerator car having an insulated wall, a refrigerant compartment adjacent said wall, a flue associated with said wall and arranged to transmit air and liquid from said compartment to the lower part of the car, a doorway through said wall and said flue below said compartment, and a door adapted to close the doorway in said wall, said door having associated therewith a duct which aligns with said flue when the door is closed to form a continuous passage, a trough aligned



with said flue to catch liquid flowing therein above said doorway when the door is open and arranged to be moved out of alignment with said flue when the door is closed.

2,179,682

GAS SHIPPING TANK

Carleton O. Booth, Albuquerque, N. Mex.

Application March 9, 1938, Serial No. 194,977
3 Claims. (Cl. 62—1)



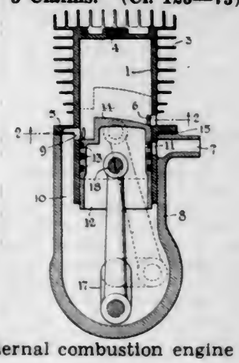
1. Gas shipping means comprising a tank, a water chamber on the tank, a spray pipe at each side of the tank, connections between the water chamber and the spray pipes, a conduit between the tank and the chamber, an excessive pressure releasable valve in the conduit, an inflatable bag in the chamber, said conduit extending to and communicating with the interior of the said bag.

2,179,683

INTERNAL COMBUSTION ENGINE

Charles Brebeck, Herkimer, N. Y.

Application April 18, 1938, Serial No. 202,725
5 Claims. (Cl. 123—73)



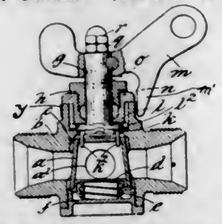
2. An internal combustion engine of the crank case compression type, comprising a crank case having a cylinder supporting portion thereon, said portion having an inlet passage to said crank case and a transfer passage; a cylinder having a peripheral mounting flange resting upon said portion with a substantial portion of said cylinder depending within said portion, said cylinder having a transfer port on the lower side of said flange connected to said transfer passage and an exhaust port on the upper side of said flange, said ports being substantially coaxially related; and a piston movable in said cylinder and enclosing the working space therein.

2,179,684

COCK OR VALVE

Francis Victor Brown, London, England, assignor to Aircraftings Limited, Gunnersbury, London, England, a British joint-stock company

Application August 27, 1937, Serial No. 161,329
In Great Britain September 7, 1936
7 Claims. (Cl. 251—97)



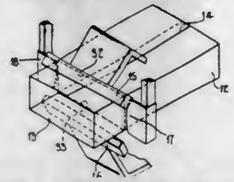
1. A rotary cone plug valve comprising a valve casing having a conical plug recess, a conical plug in said recess, an axially slidable stem rotatably engaging the plug with a degree of circular lost motion, and two co-operative cam devices disposed internally of the valve casing, one of said devices being fixed within said casing and the other rotatable with and by said stem, the said cam devices being operative for loosening said plug from its seat and the camming action being initiated during initial lost motion between said stem and plug and continued during turning of said plug from the closed towards the open position or vice versa.

2,179,685

WRAPPING MACHINE

John Walker Chalmers, Deptford, London, England, assignor to Molins Machine Company Limited, London, England

Application May 7, 1938, Serial No. 206,677
In Great Britain May 7, 1937
4 Claims. (Cl. 93—6)



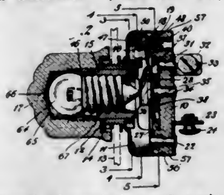
1. A method of producing wrappings of the kind referred to by forming a wrapper about an article having a substantially flat face, so that at least one end of the wrapper extends in the form of a tube beyond the flat face, collapsing the open end of the tubular portion so that opposed end portions of the extended tubular portion engage each other, causing relative movement between the engaging portions and the flat face of the article so that the engaging portions approach the face while remaining in a plane or planes normal thereto, engaging the wrapper at positions adjacent the flat face of the article and moving the portions of the wrapper so engaged transversely to the direction of relative movement between the engaging portions of the collapsed tubular wrapper and the flat face whereby the length of the laterally extending portions of the wrapper is reduced, and securing the engaged collapsed portions to provide a seam.

2,179,686

COMBINED RHEOSTAT AND SWITCH

Joseph H. Cohen, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application April 27, 1934, Serial No. 722,700
14 Claims. (Cl. 201—55)



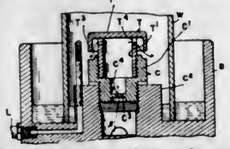
1. A combined rheostat and switch comprising a base; an enclosing casing over the base; a contact member rotatably mounted on the base and united thereto against removal therefrom; a resistance coil mounted on the base and engaged by said contact member; an operating device mounted on said base for rotation coaxial with the contact member when said base and casing are superposed; arms on said operating device; a pair of companion arms on said contact member; and an apertured block of insulating material receiving in its aperture one set of said arms and on its periphery the other set of arms, and constituting an insulating coupling between said contact member and said driving member.

2,179,687

METERING DEVICE

Harry W. Dietert, Detroit, Mich.

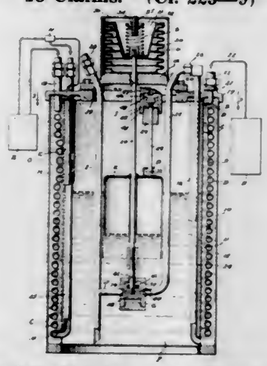
Original application May 24, 1937, Serial No. 144,537. Divided and this application November 8, 1937, Serial No. 173,512
3 Claims. (Cl. 138—41)



1. A metering device of the class described comprising an upright bushing attachable at its lower end to a part of a mercury cup, said bushing being provided at its lower end with an axially extending inlet passage for air and provided at the upper end of said passage with an open top chamber for receiving air from said passage, means restricting the flow of air through said passage to said chamber including an orifice plate in said passage and having an accurately calibrated orifice therethrough, and means for guarding said orifice against dust and other foreign matter including a cap having a tubular part secured to said chamber and projecting there-

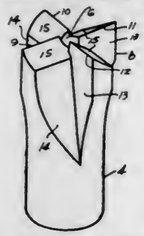
above and having an imperforate cover part extending over the upper end of said tubular part, said cover part extending radially outward and terminating in a downturned annular flange substantially concentric with said tubular part, one side of the tubular part being provided at the upper end thereof above the lower edges of said downturned flange with a port permitting unrestricted flow of air from the orifice outward to the space between the concentric tubular part and downturned flange of said cap.

2,179,688
DISPENSING DEVICE
William E. Doughty, Detroit, Mich., assignor to James Vernor Company, Detroit, Mich., a corporation of Michigan
Application May 23, 1938, Serial No. 209,579
18 Claims. (Cl. 225—9)



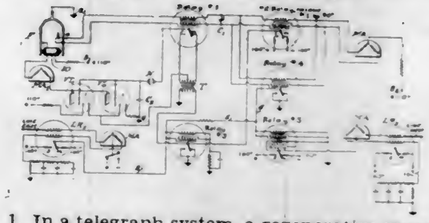
1. In carbonated beverage dispensing equipment, a settling tank adapted to receive a high pressure carbonated beverage to permit settling of the same, a chamber surrounding the tank and having the upper end communicating with a source of carbonated beverage under pressure, valve controlled means establishing communication between the lower end of the chamber and interior of the settling tank, and a refrigerating coil arranged in said chamber with the convolutions thereof surrounding said tank.

2,179,689
DRILL BIT
Isaac L. Earnheart, Troy, Mont.
Application July 28, 1937, Serial No. 156,160
1 Claim. (Cl. 255—64)



In a drill bit having an enlarged head and a central longitudinal water passage therein, said bit comprising four cruciform cutters having rearwardly extending longitudinal notches between adjoining cutters, each cutter having a tangentially arranged cutting edge with its inner end terminating at the water passage, said cutting edges being arranged in coplanar pairs at opposite sides of the water passage, rearwardly beveled end faces on the cutters, said notches each being formed by a flat front face on one cutter and a rearwardly curved face on an adjoining cutter, and said notches diminishing in area from the cutting edges and each merging at a point in the periphery of the head.

2,179,690
REGENERATIVE REPEATER FOR TELEGRAPH SYSTEMS
George L. Erickson, Hasbrouck Heights, N. J., and Paul E. Teter, New York, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 18, 1936, Serial No. 96,682
10 Claims. (Cl. 178—71)



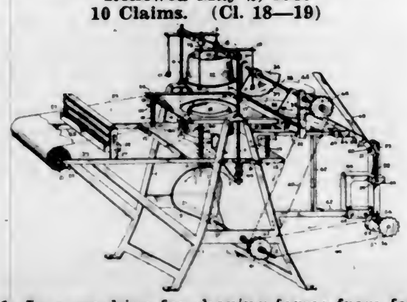
1. In a telegraph system, a regenerative repeater, comprising a relay responsive to received signals, an oscillatory means having a control coil, means under control of said oscillatory means for locally generating uniform impulses in phase with the received signals and in quadrature thereto, an instrumentality responsive to the incoming signals and operating in conjunction with said locally generated impulses in quadrature to produce incremental correcting polarities, depending upon the forward or rearward departure of the said oscillatory means from synchronism with the received signals, a condenser subjected to said incremental polarities, a thermionic tube having its grid connected to said condenser, and means for applying the varying currents in the output circuit of the tube to said control coil.

2,179,691
BELT
Abraham L. Freedlander, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application January 20, 1938, Serial No. 185,944
4 Claims. (Cl. 74—233)



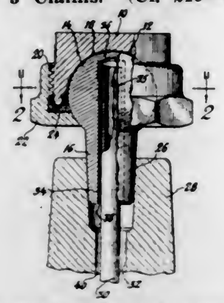
1. In an oil-proof power belt, a compression section formed of transversely disposed parallel spun glass fibers interlockingly imbedded in oil-proof synthetic rubber, an intermediate section having the belt neutral axis therein superposed on said compression section and formed of flexible longitudinally inextensible articulated metal mesh interlockingly imbedded in oil-proof synthetic rubber, a tension section superposed on said intermediate section and formed of layers of straight laid square woven spun glass fabric interlockingly imbedded in oil-proof synthetic rubber, and a breaker strip secured to the inside surface of said compression section and comprising straight laid square woven spun glass fabric interlockingly imbedded in oil-proof synthetic rubber.

2,179,692
MACHINE FOR SHAPING FORMS FROM FABRIC MATERIALS
Harry Bricker Fuchs, Brooklyn, N. Y.
Application September 7, 1934, Serial No. 743,100
Renewed May 2, 1939
10 Claims. (Cl. 18—19)



1. In a machine for shaping forms from fabric materials, forming mechanism adapted to shape material, a platform for guiding the material adapted to move transverse to the line of feed of the material, and a feeder adapted to draw the material from the forming mechanism when the forming mechanism is disengaged therefrom.

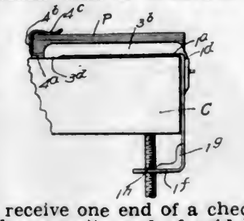
2,179,693
WELDING ELECTRODE
George Goldstein, Oshawa, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 30, 1937, Serial No. 171,882
3 Claims. (Cl. 219—4)



1. A spot welding electrode comprising, a body and tip of conducting material movably secured together in pressure transmitting relation and a coating of mercury between the tip and body, said tip adapted to contact the work being spot welded.

2,179,694
CHECK PAD HOLDER
Evangel A. Haveles, Los Angeles, Calif.
Application March 16, 1938, Serial No. 196,221
6 Claims. (Cl. 281—1)

1. In a check pad holder, the combination of a clamp member arranged to clamp over the edge of a counter provided with a horizontally positioned offset pocket portion with a slot in its upper side, a check pad holder provided with a lip adapted to fit in said slot, said check pad holder provided with a U-shaped spring clip

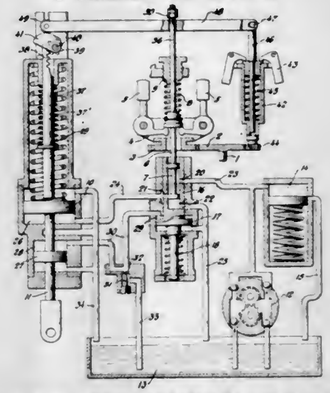


adapted to receive one end of a check pad positioned at the opposite end of said holder from said lip member.

2,179,695
FERROUS ALLOY
Walter E. Jominy, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application November 5, 1938, Serial No. 239,021
4 Claims. (Cl. 75—123)

1. An alloy comprising the following elements as essential constituents in approximately the proportions given: 2.25–4.00% carbon, 1.50–3.50% silicon, .05–.60% titanium, .60–1.25% phosphorus, .30–1.00% manganese, balance substantially all iron.

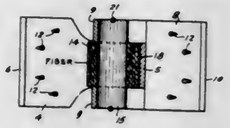
2,179,696
LOAD LIMITING GOVERNOR
Knut Olav Keel and Charles Harold Fike, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 23, 1937, Serial No. 160,402
6 Claims. (Cl. 264—4)



1. In combination with isochronous governing means for an internal combustion engine to maintain a constant normal speed with varying loads, said governing means including a speed responsive controlling member operative to control and reposition a fuel quantity control member on any change in speed due to changes in load, said speed responsive controlling member having a normal speed position which remains constant irrespective of the load, load limiting means to prevent movement of the fuel supply controlling member in a direction to increase the quantity of fuel supplied beyond a desired maximum for any given speed, said means comprising a stop member whose position is controlled differentially

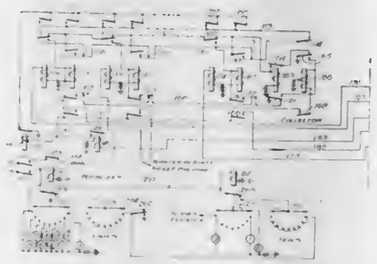
by two means, one of which is responsive to the engine speed and the other of which is responsive to the position of the fuel quantity control member.

2,179,697
BELT CONNECTOR
Edward H. Kremer, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application January 10, 1938, Serial No. 184,197
11 Claims. (Cl. 24—33)



1. In a belt connector including a pair of strap members, said members engaging over the end portions of said belt and attached to the top and under surface thereof, means comprising a transverse center pin pivotally connecting said strap members together, and means for locking said center pin to one of said strap members comprising outer marginal slot means in said strap member, aligned transverse slot means in said center pin, and a yieldable yoke clamping means on said strap member having common engagement with said slot means.

2,179,698
TOTALIZING SYSTEM
Oscar C. Levy, Chicago, Ill., and Arthur J. Johnston, San Mateo, Calif., assignors to American Totalisator Company, Inc., Baltimore, Md., a corporation of Maryland
Application February 15, 1937, Serial No. 125,792
10 Claims. (Cl. 235—92)



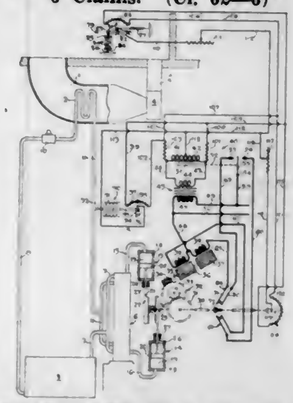
1. In a collector comprising a plurality of start relays and collector relays one of each for each device with which the collector is adapted to make connection, means for operating said relays in preferential order in the event of simultaneously initiated operations, comprising a chain circuit extending through contacts on said collector relays in one direction and then through contacts on said start relays in a reverse direction, means controlled by said collector relays for shunting a part of said chain, means including a second chain circuit extending through contacts on said collector relays in said reverse direction for locking said collector relays in operated position, and means for releasing said collector relays at the end of the operation of the collector.

2,179,699
PICTURE FRAME
Leo L. McKeown, Toledo, Ohio, assignor to Geo. L. Kohne, Inc., Toledo, Ohio, a corporation of Ohio
Application January 23, 1939, Serial No. 252,471
6 Claims. (Cl. 40—152.1)



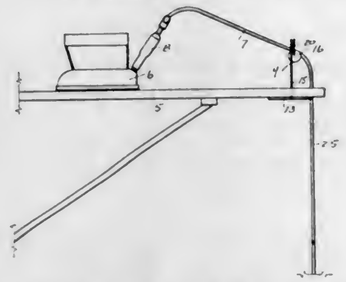
1. In a method of forming picture frames, the steps of superposing two coextensive sheets, binding the edge portions of said sheets to each other, severing a panel from one of said sheets to extend to and through one of the bound edges, withdrawing said panel and forming therein a picture and glass holding well, and securing to the marginal portion of the sheet from which the panel is withdrawn a front member having a picture opening therein.

2,179,700
REFRIGERATION SYSTEM
Wayland R. Miller, Nashotah, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 15, 1936, Serial No. 105,841
6 Claims. (Cl. 62—6)



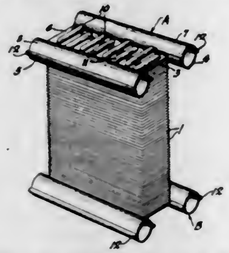
1. In an air conditioning system, in combination, an evaporator in heat exchange relationship with a space to be conditioned, means for supplying liquid refrigerant to the evaporator, a positive displacement compressor connected to said evaporator, movable means associated with the interior of the compressor for varying the volume of refrigerant drawn into the compressor per cycle thereby varying its capacity, positioning means for graduatingly positioning said movable means, said positioning means including a device influenced by the temperature at which the liquid refrigerant in the evaporator evaporates and acting to position said movable means in a manner to increase the volume of refrigerant drawn into the compressor upon increase in said evaporating refrigerant temperature and to decrease the volume of refrigerant drawn into the compressor upon decrease in said evaporating refrigerant temperature, and a controller responsive to a condition of the air in said space which is affected by said evaporator, said controller adjusting said positioning means for varying the evaporating temperature of the refrigerant in accordance with variations in said space condition.

2,179,701
IRONING CORD SUPPORT
Palmer W. Rom, Cudahy, Wis., assignor of one-half to Fritz Mynders, Milwaukee, Wis.
Application April 9, 1937, Serial No. 135,891
1 Claim. (Cl. 248—51)



A conductor cord support having means for mounting it on an ironing board and having an upright section with a curved end bent back on itself and then bent forwardly to provide a roller spindle and guard, and a roller mounted on said spindle.

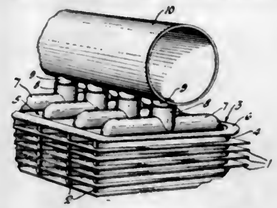
2,179,702
RADIATOR HEADER
Laurence P. Saunders, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 14, 1938, Serial No. 184,960
9 Claims. (Cl. 257—154)



1. In a heat exchanger having a series of spaced tubes, a header structure including a pair of superimposed plates having cooperating formations along opposite sides to form a pair of tanks, one of said plates having flanged openings for nested engagement with said tubes and the other plate having raised ribs aligned with said flanged openings, certain of said raised ribs communicating with one of said tanks and others of the raised ribs communicating with the other tank.

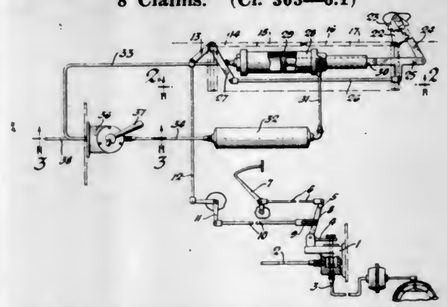
2,179,703
HEADER AND MANIFOLD
Laurence P. Saunders and Willard O. Emmons, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 31, 1938, Serial No. 237,990
6 Claims. (Cl. 257—154)

4. In a heat exchanger, a core header plate having a series of spaced embossments for alignment with core tubes, a flanged opening in each



embossment and a manifold having dependent nipples fitted to said flanged openings.

2,179,704
DOOR AND BRAKE INTERLOCK
Hans O. Schjolin, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application October 20, 1938, Serial No. 236,000
8 Claims. (Cl. 303—6.1)



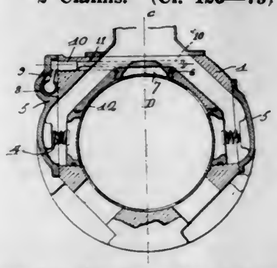
1. In a motor vehicle having a door, vehicle control mechanism, a control member therefor, manually actuated means directly connected to said member for its operation, motion transmitting linkage connected at opposite ends to the door and control member, respectively, for member operation automatically when the door is opened and a lost motion device associated with the linkage to allow manual actuation of the control member when the door is closed.

2,179,705
TYPEWRITING MACHINE
Elmer L. Wise, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 29, 1938, Serial No. 216,479
4 Claims. (Cl. 197—3)



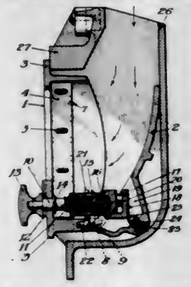
1. A typewriting machine having, in combination, a work holding clamp, a substantially flat platen, mechanism tending yieldingly to move the clamp and platen relatively toward each other, manually operable means for moving relatively the clamp and platen away from each other and means mounted independently of the platen for movement into and out of operative position tc hold the platen and clamp at the left side of the platen against the action of said mechanism in slightly spaced relation but with the platen in typing position.

2,179,706
SLEEVE VALVE ENGINE
Marius Jean-Baptiste Barbarou, Neuilly, Seine, France
Application December 28, 1937, Serial No. 182,123
In France December 31, 1936
2 Claims. (Cl. 123—75)



1. Means for effecting a seal between a ported part of a cylinder and the ported sleeve of a sleeve valve internal combustion engine wherein the said annular member is engaged at annular ends remote from the sleeve valve engaging ends by cams acted upon by compression springs fitted in the cylinder assembly.

2,179,707
VENTILATOR
Paul Bernhardt, Milwaukee, Wis., assignor to Loeffelholz Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 14, 1936, Serial No. 79,656
7 Claims. (Cl. 98—106)



1. An appliance such as described, comprising, in combination, a casing enclosing a passage, a movable damper having its position adjustable to control the entrance to said passage, a link having a transverse groove, a rotatable spindle carrying said link and having a screw thread to move said link in an axial direction thereto, and a pin having both ends attached to said damper and arranged lengthwise in said groove to connect said damper to said link.

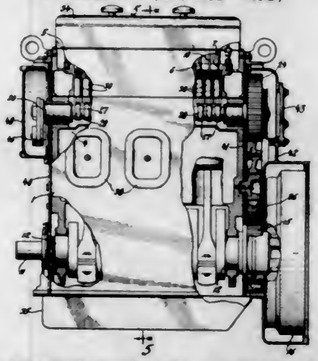
2,179,708
TRAILER
Carl J. Bock, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application March 10, 1937, Serial No. 130,002
13 Claims. (Cl. 280—33.1)

7. Automatic operating mechanism for forcibly raising and lowering landing gear, including in combination with retractible landing gear, of a longitudinally movable reach operably connected to said landing gear, a shiftable king pin engaging fork connected to said reach, and locating means for said fork for the straight line movement thereof including a pin and slot con-



nection between the trailer and the tail of the fork, and sliding abutments on the fork and trailer to guide the movement of the fork.

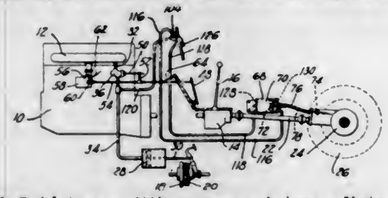
2,179,709
INTERNAL COMBUSTION ENGINE
August F. Brecht, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 12, 1938, Serial No. 229,484
Renewed February 8, 1939
8 Claims. (Cl. 123—195)



1. An internal combustion engine including as main separable elements a cylinder block, a cylinder head, and a crankshaft, and a number of elements in fixed relationship to said separable elements respectively at one side of said cylinder block, at one side of said cylinder head, and at one end of the crankshaft; the ends of said cylinder block transverse to the crankshaft being provided with identical fitting faces for various elements interchangeably securable to either end; said cylinder head being geometrically similar end for end; whereby each of said main separable elements is turnable end for end through 180° in relation to one or both of the other main separable elements to provide an engine in which the elements in fixed relationship to said separable elements may be on either desired side of the engine.

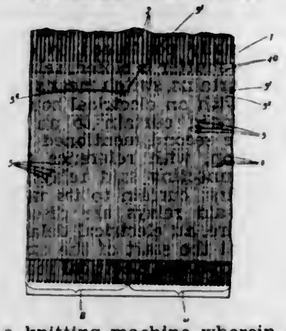
2,179,710
GEARSHIFT MECHANISM
Robert P. Breese, New York, N. Y., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application November 11, 1935, Serial No. 49,156
Renewed October 2, 1939
2 Claims. (Cl. 192—.01)

1. In an automotive vehicle provided with a change-speed transmission, a source of power, and an accelerator, power means for operating said transmission comprising a pressure differential operated motor operably connected with said transmission, fluid transmitting means interconnecting said power source with said motor, valvular means for controlling the operation of said motor including a hand operated selector valve incorporated in said fluid transmitting means, and further including an accelerator operated three-way valve incorporated in



said fluid transmitting means intermediate said power source and said selector valve.

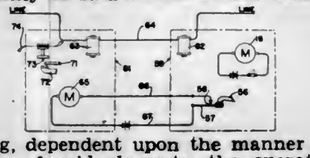
2,179,711
PATTERNING MECHANISM FOR KNITTING MACHINES
Thomas Charles Bromley and Arthur Shortland, Leicester, England, assignors to Mellor Bromley & Co. Limited, Leicester, England, a British company
Application August 22, 1938, Serial No. 226,192
In Great Britain August 26, 1937
19 Claims. (Cl. 66—50)



19. In a knitting machine wherein selectively operated elements arranged in a bed are to be controlled for patterning by means of patterning formations of a patterning mechanism, an arrangement according to which selectively operated elements with butts in different positions lengthwise thereon are arranged in said bed so as to provide a plurality of groups of butts with spaces between them and means are provided for moving the aforesaid patterning formations so that all of said formations are brought into spaces between said groups of butts when fresh selections of the selectively operated elements are required, said butts being so disposed and the patterning mechanism so arranged and operable as to be adapted to produce patterns of any extent coursewise up to the total number of wales in the knitted fabric.

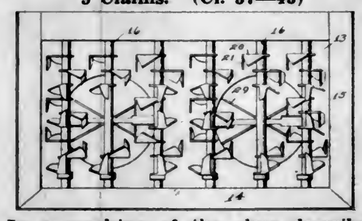
2,179,712
MOTOR CONTROL
Charles W. Burcky and Raymond E. Zenner, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 16, 1937. Serial No. 180,054
20 Claims. (Cl. 178—23)

1. In combination, a printing mechanism, a perforating mechanism, means responsive to code signals for controlling the selective operation of said printing mechanism, means responsive to the same code signals for controlling the selective operation of said perforating mechanism, and means comprising a pair of pivoted engageable elements controlled by said first recited means independently of said second recited means for



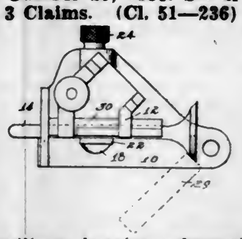
controlling, dependent upon the manner of engageability of said elements, the operation of said perforating mechanism.

2,179,713
ROTARY SNOW PLOW
David G. Chase, Adel, Iowa
Application May 20, 1938, Serial No. 209,058
5 Claims. (Cl. 37—43)



1. In a machine of the class described, the combination of a frame to be advanced over a roadway, a rotatable shaft carried by the frame, means for rotating it, a series of material moving blades fixed to the shaft, said blades being projected radially from the shaft and having their working faces arranged spirally so that during the rotation of the shaft said working faces will tend to move material longitudinally of the shaft, the working surfaces of said blades being substantially segmental in shape and said blades being widely spaced apart upon the shaft so that material may move longitudinally of the shaft between adjacent blades on the same shaft, the outer edges of the blades from the advance edge to the rear edge being of progressively less diameter to thereby permit the machine to advance against relatively solid material between the time that the advance edge of a blade engages the material and the time that the rear edge of the same blade passes rearwardly beyond the material being cut, and a cutting blade adjacent the advance edge and outer periphery of the aforesaid blades, and extended substantially parallel with the shaft.

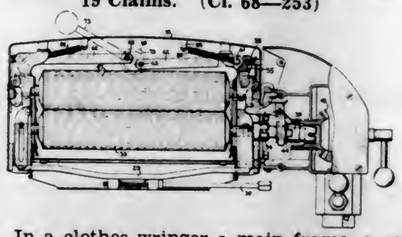
2,179,714
VALVE GRINDING TOOL
Bret H. Davis, Ollie, Iowa
Application October 29, 1936. Serial No. 108,188
3 Claims. (Cl. 51—236)



2. An auxiliary bearing element for valve grinders, comprising a body member V-shaped in cross section, a second V-shaped body member telescopically connected to the first body member,

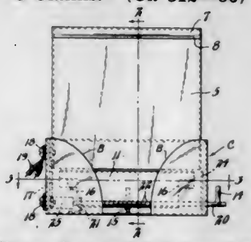
the free ends of said body member having bearings for rotatably supporting the unworn portions of a valve stem, for the purpose described.

2,179,715
WRINGER
George L. Davis, Binghamton, and Lloyd W. Moulton, Syracuse, N. Y., assignors to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application March 21, 1935, Serial No. 12,124
19 Claims. (Cl. 68—253)



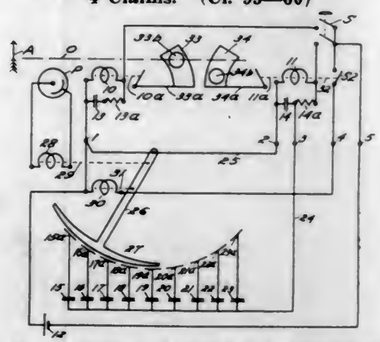
1. In a clothes wringer a main frame, a cover bodily separable therefrom to at least a limited extent, a roller mounted in said frame, a roller mounted in said cover, means for yieldingly resisting downward movement of said first mentioned roller, means for shifting the second mentioned roller bodily and substantially rectilinearly to either of two positions with relation to the cover, said shifting means placing said rollers under tension when said second mentioned roller is shifted to one position, and means controlled by said shifting means for latching said cover to said frame when said rollers are placed under tension.

2,179,716
CIGARETTE LIGHTER
Anthony J. Eller, Hill City, Minn.
Application April 23, 1938, Serial No. 203,877
3 Claims. (Cl. 312—86)



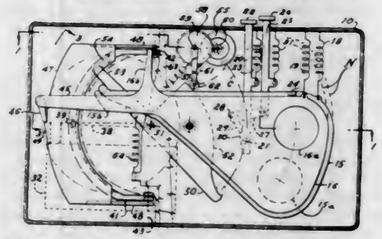
1. In a dispensing and lighting device for cigarettes, a casing having an aperture therein, a storage chamber having a dispensing opening and a movable closure therefor, an igniting device adjacent said dispensing opening and offset laterally from said chamber, a receiver for cigarettes dispensed through said opening, said receiver being connected to and movable with said closure and positioned for movement from a point beneath said opening to a point in alignment with said igniting device, an axially slidable spring retracted follower having an end extending through the aperture in said casing and positioned to move cigarettes in said receiver into position against said igniter, said follower being maintained in alignment with said igniter at all times, whereby cigarettes being ignited are positioned laterally of said storage chamber and its dispensing opening to prevent smoke from the cigarette from entering said storage chamber.

2,179,717
AUTOMATIC PHOTOGRAPHIC SHUTTER
Nicholas V. Fedotoff, Lynbrook, N. Y.
Application December 2, 1937, Serial No. 177,757
4 Claims. (Cl. 95—60)



1. An automatic photographic shutter having an optical axis along which the exposure to an object is made, comprising two movable curtains one of which is normally in an unobstructing position with reference to the optical axis and the other normally positioned to obstruct the axis so that the shutter is closed, relay means for operating the curtains, switch means for connecting the relays with an electrical source to move the first mentioned curtain to an obstructing position and the second mentioned to an unobstructing position, with reference to the axis, and then disconnecting said relays, means for returning the first curtain to its unobstructing position after said relays are disconnected to start the exposure, an electrical delay circuit set into operation at the start of the exposure, said delay circuit comprising electrical reactance connected with the relay which operates the second curtain for holding the latter relay energized for a period of time after said disconnection, reactance-varying means operated by a photoelectric cell which is subjected to the light on the object for varying said reactance according to the intensity of said light, and means for moving said second curtain to its normally obstructing position at the end of said time period to terminate the exposure.

2,179,718
AUTOMATIC CAMERA SHUTTER DEVICE
Nicholas V. Fedotoff, Lynbrook, N. Y.
Application June 9, 1938, Serial No. 212,621
10 Claims. (Cl. 95—60)



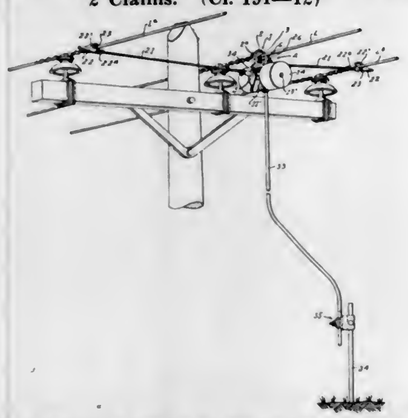
1. Mechanism for operating a photographic shutter having a pair of movable curtains for making an exposure to an object, said mechanism comprising: a setting arm for moving both curtains to a set position in which the second curtain is in exposure position and the first curtain in non-exposure position, catch means for holding both curtains in the set position, a lever for releasing the first curtain to its exposure position to start the exposure, a timing device set into timing operation upon the release of said first curtain, said timing device having a timer arm which moves progressively during the timing, a photo-sensitive cell responsive to the light from the object, a light indicating arm in the patch of progression of said timer arm, said indicating arm assuming a position the advancement of which is dependent on the light on said cell, the arrangement being such that when the advancing timer arm strikes the indicating arm the catch holding the second curtain is released, enabling the latter curtain to move to its non-exposure position terminating the exposure.

2,179,719
CAP
Frank J. Goskey, Euclid, Ohio
Application November 2, 1938, Serial No. 238,297
2 Claims. (Cl. 2—11)



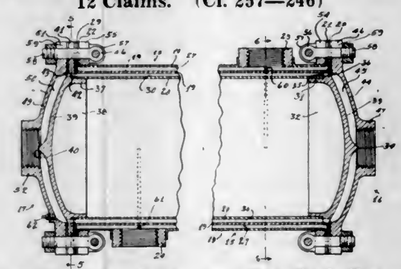
1. A cap having a band extending around the base thereof and forming a rim, said band being provided with an integral extension at the front forming an ordinary visor, an inner layer of material secured to said band behind said projecting portion, and a supplemental transparent visor slidable in and out between said projecting portion of the band and the inner layer, said supplemental visor having shoulders at the ends thereof forming stops to limit the outward movement thereof.

2,179,720
GROUNDING DEVICE
William D. Hamer, Indianapolis, Ind., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application November 4, 1935, Serial No. 48,066
2 Claims. (Cl. 191—12)



1. A device of the class described comprising a pair of spaced housings, a clamp by which said housings are supported, said clamp being disposed between said housings and being extended beyond said housings in one direction, a shaft arranged in each of said housings, a reel supported for rotation within each housing on the shaft therein, a conductor wound on each of said reels and adapted to be drawn therefrom for connection to an electrical conducting element, said reels being in electrical connection with said clamp and said conductors being in electrical connection with said reels, said housings being provided with openings in walls thereof with the opening of one housing located at one side of the device and the opening of the other housing located at the opposite side of the device, said housings being supported for rotary adjustment with respect to said clamp to change the locations of said openings, said conductors being movable through said openings, means for connecting a conductor to said clamp, and spring means associated with each of said reels which tends to rotate the reel in the reverse direction to the direction in which said reel is rotated when the conductor thereon is unwound therefrom.

2,179,721
COOLER
Alvin Hock and Arthur F. Steloff, Cincinnati, Ohio; said Steloff assignor to said Hock
Application March 20, 1936, Serial No. 69,920
12 Claims. (Cl. 257—246)



8. In a cooler of the class described, the combination of a shell, means interiorly of said shell and spaced from the inner surface thereof to provide a passage therebetween for the flow of fluid, means exteriorly of the shell and spaced from the exterior surface thereof to provide a passage therebetween for the flow of a cooling medium, removable means for closing one end of the shell and including means for supporting the fluid passage forming means whereby removal of the closing means carries with it the fluid passage forming means to expose the walls of said passage for cleaning purposes and the like, releasable means for securing the parts in position, guide means carried solely by the other end of said fluid passage forming means for guiding same relative to the cylinder or shell during the assembly of the parts and for holding same in proper position after assembly, and intake and discharge means for the fluid passage.

2,179,722
BRAKE HANGER RETAINER
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 11, 1938, Serial No. 213,182
7 Claims. (Cl. 188—209)

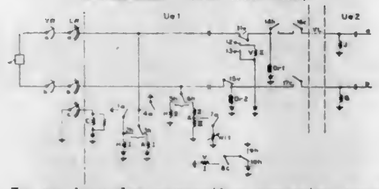
1. A brake hanger retainer comprising a single piece resilient element composed of two substantially parallel corresponding main portions united at one longitudinal side by an arcuate wall, while the free longitudinal edges curve to-

ward each other, the opposing surfaces of said main portions being dished to provide hanger



receiving grooves and having opposing surfaces adapted to limit the degree of movement of said main portions toward each other.

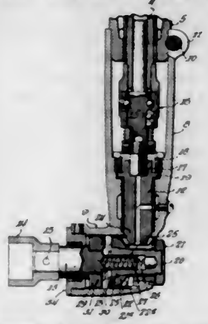
2,179,723
TELEPHONE SYSTEM
Benedikt Kudrna, Vienna, Austria, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany
Application February 16, 1938, Serial No. 190,678
In Germany March 5, 1937
4 Claims. (Cl. 179—16)



1. In an impulse correcting repeater arranged to receive series of impulses over a circuit and transmit corrected series of impulses, an impulse receiving relay connected to said circuit and energized thereover, an impulse transmitting relay, a circuit controlled by the receiving relay for energizing said transmitting relay, and means controlled by the transmitting relay for disconnecting the receiving relay from the circuit and connecting the transmitting relay thereto.

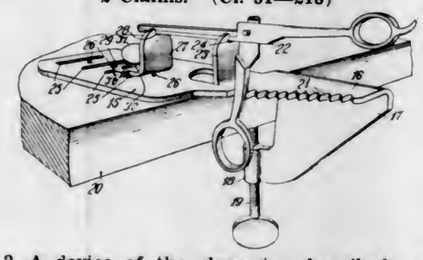
2,179,724
NUT OR SCREW SETTING ATTACHMENT FOR ELECTRIC TOOLS
Herman H. Kuehne, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application November 3, 1937, Serial No. 172,507
2 Claims. (Cl. 81—57)

1. A screw or nut driving device of the character described, comprising an outer casing having a body section and a connected transverse section, the latter extending to one side of the body section, a shaft journaled in the body section and having bevel gear teeth at its end extending into the transverse section, a support fixed against rotation in the transverse section in crossing relation to said shaft, a spindle slidably and rotatably mounted in the transverse section and having a portion extending into said support, a power clutch in the transverse section and having co-operable clutch members connectible on pressing the device against the work, one clutch member being rotatably mounted on and about said support and having exteriorly of said support clutch teeth on one face and bevel gear teeth on the opposite face in mesh with the gear teeth of the shaft, the other clutch member being fixed to the spindle and having clutch teeth on its face opposed to the first named clutch member and ratchet teeth on the opposite face, means fixed to the transverse section and having ratchet teeth for co-operation with the ratchet teeth on the last named clutch member, and a spring means disposed within the support and acting on the spindle for normally separating the members of



the power clutch and engaging the teeth of the ratchet clutch.

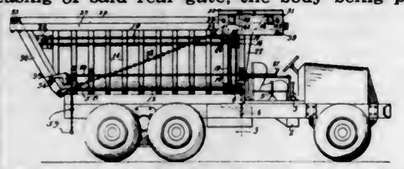
2,179,725
SCISSORS HOLDING DEVICE
James F. Lesko, Chicago, Ill., assignor of forty-five one-hundredths to George J. Wolf, Cicero, Ill.
Application November 19, 1937, Serial No. 175,457
2 Claims. (Cl. 51—218)



2. A device of the character described comprising a flat plate tapered at one end and at one side, the tapered side being provided with serrations lengthwise thereof while the untapered side of said end is bent downwardly with the lower end formed to provide a vertically disposed threaded socket; a clamp-screw disposed through said threaded socket for clamping the device in place; the plate intermediate of its ends having a partly severed portion bent upwardly to provide an upstanding immovable lug provided in its top with an undercut scissors-blade receiving recess; the other end of said plate being provided with a plurality of transversely disposed slots and tapped openings spaced apart lengthwise of the plate; a second lug member provided with a laterally disposed slotted base and with depending portions adapted to extend into the slots in the plate to prevent rotative movement of said lug member; a thumb-screw disposed through the slotted base of the lug member and adapted to screw into the selected tapped opening for adjustably securing said second lug member in place relative to the immovable lug, said second lug member having a scissors-blade receiving notch in its top.

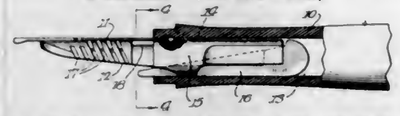
2,179,726
EJECTING TRUCK
Raymond Lewis, Los Angeles, and Forest M. Bodenhamer, Oakland, Calif.
Application November 19, 1937, Serial No. 175,458
8 Claims. (Cl. 214—82)

1. An ejecting truck, comprising a body having an upwardly slanting rear end and a rear gate therefor pivoted to the top so that a portion of the contents of the body may be expelled by releasing of said rear gate, the body being pro-



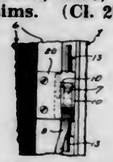
vided with tracks, a carriage mounted on said tracks for longitudinal motion relative to said body, and a bulkhead rigid with said carriage and having a box construction reinforced to be self-resistant to torsional strains.

2,179,727
WRITING PEN
William George Albert McKay, St. Vital, Manitoba, Canada, assignor to Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 15, 1938, Serial No. 245,817
4 Claims. (Cl. 120—113)



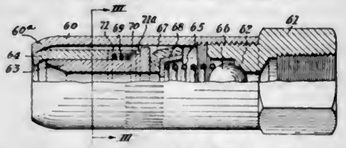
1. In a writing pen, the combination of a pen holder, a pen point, and a feed bar extending from the pen holder and underlying the pen point and having means for holding a supply of ink to be fed to the pen point, said feed bar having a recess in its surface portion adjacent the underside of the pen point and adjacent the lower end of the pen holder, said recess being of such size that it is not capable of retaining by capillary attraction a supply of ink, thereby resisting the seepage of ink from the feed bar to the lower end of the pen holder.

2,179,728
WINDOW LOCK
Edmund Peremi and Louis Toth, Manhasset, N. Y.
Application June 4, 1936, Serial No. 83,459
3 Claims. (Cl. 292—39)



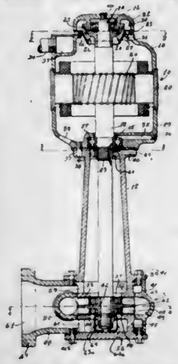
1. In a metal casement window, the combination with a window frame and a swinging sash hingedly mounted thereon to swing outward to an open position, of a notched keeper mounted on the inner face of the sash and a self-contained locking unit mounted on the inner face of the frame, said locking unit comprising a rack, a pinion and an integral channel shaped housing, the base of said channel being secured to the window frame and the sides of the channel extending inwardly of the window opening, the outer side forming a guide for movement of the rack in a definite path, said rack having an integral portion forming a bolt, extending laterally between the sides of said channel and adapted to engage in the notch in said keeper to lock the window, the inner side of said channel having inwardly extending ears, a pivot mounted on said ears parallel to the plane of the window and inwardly of said plane, said pivot forming a mounting for said pinion and a swinging operating handle for rotating said pinion and thereby reciprocating the rack.

2,179,729
DISPENSING APPARATUS
Gerald S. Rogers, Pittsburgh, Pa., assignor, by mesne assignments, to Christian Brynoldt, Pittsburgh, Pa.
Application September 28, 1936, Serial No. 102,940
4 Claims. (Cl. 285—169)



1. A coupler for attaching dispensers to headed fittings comprising a tubular body contracted at one end, radially and axially movable jaws disposed in said end, a plunger having one end within said jaws, adapted to make sealing engagement with a fitting in said jaws, means on said plunger abutting a shoulder thereon for yieldingly urging said jaws toward said contracted end, a washer abutting the end of the plunger remote from said jaws and making sealing contact with the interior of said body, yieldable means backing up said washer, and means on said plunger adapted to be engaged by said jaws on retraction thereof for positively retracting the plunger on retraction of said jaws whereby to break sealing engagement with a fitting.

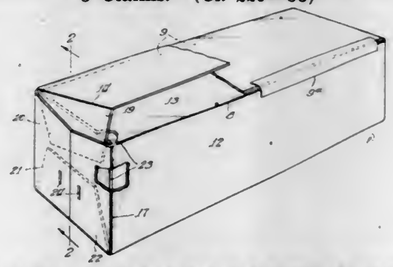
2,179,730
PUMP
Edward J. Ruthman, Cincinnati, Ohio
Application May 21, 1936, Serial No. 81,043
1 Claim. (Cl. 103—104)



In a pump of the class described, the combination of a pump housing of substantially circular contour in a horizontal plane and having an upper and a lower face, a pair of internal spaced, parallel flanges intermediate the upper and lower faces of the housing and projecting inwardly thereof, said upper and lower faces of the housing and internal flanges being provided with a similar circular bore, coaxial with one another, the internal flanges increasing in depth spirally from a point at and around the bore therethrough, interchangeable closure means for said

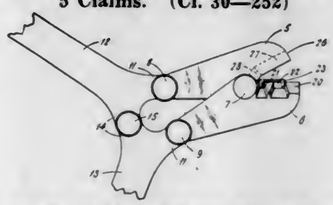
upper and lower faces of the housing, an apertured radial flange carried by each of said closures and respectively disposed in alignment with the intermediate flanges, said radial flanges and intermediate flanges forming an impeller chamber and a discharge conduit therefor, an impeller in said chamber, a mounting flange and connecting sleeve projecting from the housing and having a supply passage therethrough in simultaneous communication with the apertured radial flanges for supplying simultaneously the upper and lower sides of the impeller, said internal flanges beyond the point of commencement being connected for forming a discharge port tangentially of the housing and transversely of the supply passage and with its outlet located behind the mounting flange but adjacent thereto, and one of said housing closure means including means for housing a shaft for the impeller and for supporting means for driving this shaft.

2,179,731
BOX
John S. Saylor, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application March 11, 1938, Serial No. 195,206
3 Claims. (Cl. 229—33)



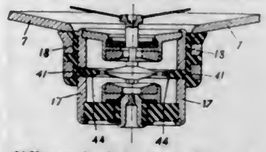
1. A box comprising a single sheet of material such as fiber board cut and scored to provide a bottom wall, side walls, a top wall and end closure flaps at each end of each of said walls, the flaps on the ends of the side walls being adapted to overlap the flaps on the ends of the bottom wall outwardly of the latter flaps, a relatively stiff independent member of dimensions and shape corresponding to the interior dimensions and shape of the box at the ends thereof disposed at and across each end of the box and against the interior face of the bottom wall and flap, and means securing said end flaps and members in their relative positions, said top wall end flaps being adapted to be tucked into slots provided between said members and said side wall end flaps.

2,179,732
CHANNEL CUTTER
James J. Scanlon, Berkeley, Calif.
Application May 4, 1936, Serial No. 77,667
5 Claims. (Cl. 30—252)



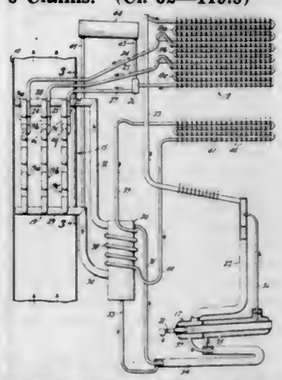
1. A cutter for lath channel and the like comprising a pair of cooperating shearing blades having relative pivotal movement, one of said blades having a pair of spaced grooves of rectangular contour and defined by cutting edges, said grooves being adapted to receive the flanges of a channel with the web thereof supported by the blade portion lying between said grooves and with a flange of said channel operatively related to one side edge of said grooves; and the other of said blades having its cutting edge free of grooves.

2,179,733
MICROPHONE
George William Sutton, London, England, assignor to Siemens Brothers & Company, Limited, London, England
Application November 25, 1935, Serial No. 51,501
In Great Britain November 27, 1934
4 Claims. (Cl. 179—135)



1. In a differential transmitter, a diaphragm, a microphone chamber having resistance material therein, a pair of fixed electrodes supported on opposite walls of said chamber, a movable electrode located between said fixed electrodes and connected to said diaphragm, a current path extending between said movable electrode and both of said fixed electrodes through said resistance material, and a barrier in said chamber extending around said movable electrode out of contact therewith for minimizing the flow of current through said resistance material in the paths not including said movable electrode and in paths in which the resistance of the material is not effectively varied by the movement of said movable electrode.

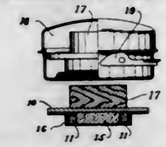
2,179,734
AIR CONDITIONING
Hugo M. Ullstrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 13, 1938, Serial No. 201,655
6 Claims. (Cl. 62—119.5)



1. A method of conditioning air in an enclosure with the aid of a refrigeration system employing evaporation of liquid refrigerant fluid in the presence of an auxiliary fluid at a place of cooling, which includes flowing air to the enclosure, passing such air in heat exchange relation with the place of cooling to abstract heat from said air to cool and dehumidify the same, flowing liquid refrigerant fluid and auxiliary fluid out of contact with each other to the place of cooling, and reheating said air after dehumidification by transferring sensible heat thereto from liquid refrigerant fluid and auxiliary fluid before these fluids reach the place of cooling.

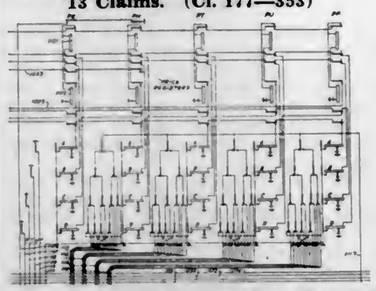
4. Apparatus for conditioning air in an enclosure including a continuous absorption refrigeration system, a duct, means for flowing air through the duct into the enclosure, said refrigeration system including an evaporator positioned in said duct for dehumidifying air flowing therethrough, conduit means for conducting refrigerant fluid and auxiliary fluid to said evaporator for parallel flow in the latter in the presence of each other, and said conduit means being arranged in said duct for reheating dehumidified air before entrance into the enclosure.

2,179,735
SHOE POLISH DAUBER
David J. Beem, Spencer, Ind.
Application November 15, 1937, Serial No. 174,592
3 Claims. (Cl. 15—209)



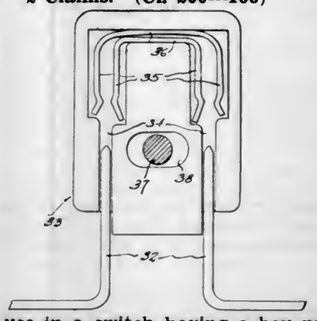
3. In a dauber, a disk, a relatively stiff felt ring secured to a face of the disk, a cake of polish in the central space of the ring remote from the edge to form a protective space and a handle means on the opposite face of the disk from the ring of considerably less diameter than the disk and spaced from the edges of said disk.

2,179,736
STOCK QUOTATION SYSTEM
John I. Bellamy, Brookfield, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application December 11, 1929, Serial No. 413,205. Divided and this application May 29, 1931, Serial No. 540,993
13 Claims. (Cl. 177—353)



13. In a stock quotation receiver, the combination of a plurality of indicator assemblies, each individual to a stock and each comprising a plurality of ranges of electromagnetically operated indicators, groups of storage relays, means controlled by said storage relay groups for selecting any one of said assemblies, impulsing means for transmitting impulses to the individual indicators of the selected assembly to restore the same, and a stock range group of storage relays and a price range group of storage relays for determining, respectively, how many ranges of indicators in the selected assembly and how many individual indicators in such range or ranges receive impulses from said impulsing means.

2,179,737
SWITCH
William H. Frank, Detroit, Mich.
Application May 5, 1938, Serial No. 206,170
2 Claims. (Cl. 200—163)

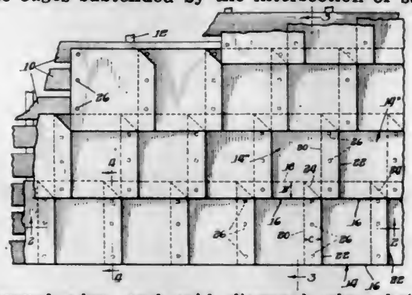


1. For use in a switch having a box provided with a back wall from which forwardly project separate and independent contact prongs forming part of a single contact set, the box also having forwardly projecting side walls and an operating bail traversing such side walls and journalled therein and disposed parallel to the back thereof and having a handle for moving the bail forwardly and rearwardly, without disturbing its parallel relation to the box back, a movable contact device comprising a housing of insulation having cells opening towards the back of the housing and the back of the box and in which are to be disposed the forward free ends of the contact prongs, the cells being otherwise closed, each cell containing a prong engaging contact with the contacts in the cells being interconnected by a connecting element within the housing, whereby engagement of the contact prongs by the cell contacts causes the contact prongs to be interconnected electrically, the housing having a through hole between the cells and substantially central thereof and extending from side to side of the housing and through which may be passed the bail whereby the housing may be interconnected to the bail, the bail thus being between the prongs of a single contact set.

2,179,738
ROOFING SHINGLE
Albert W. Fuller, Muncie, Ind.
Application March 7, 1938, Serial No. 194,287
4 Claims. (Cl. 108—9)

2. In a roof or wall comprising a supporting frame having thereon a plurality of shingles, said shingles comprising flat shingle elements having a substantially square peripheral configuration with parallel side edges intersecting at substantially right angular corners and being arranged with the top and bottom edges in parallel planes, one of said corner portions being intersected by an edge extending diagonally between adjacent side edges and spaced from the normal point of intersection of said side edges, all of said shingles being arranged in parallel,

side and end lapping relationship, the distance of overlap being equivalent to the length of the side edges subtended by the intersection of said



diagonal edge, and said diagonal edges being superposed in overlapping relationship upon adjacent side and end lapping units whereby the diagonal edge is visible exteriorly.

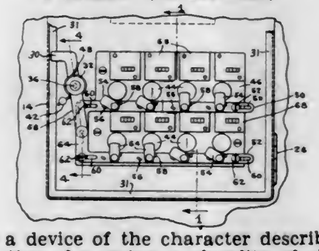
2,179,739

TRIPLICATE INDICATING DEVICE

Juil R. Goggins, Minneapolis, Minn.

Application September 11, 1937, Serial No. 163,503

4 Claims. (Cl. 116—135)



3. In a device of the character described, the combination of a casing, a plurality of plugs for indicating commodities slidably mounted in said casing adapted to be separately moved outwardly into indicating position, resilient means normally holding said plugs in retracted position, a slidable bar extending adjacent the path of movement of said plugs, dogs pivoted to said bar associated with said plugs respectively adapted to be manually turned from a position out of the path of movement of said plugs into a position in engagement with the plugs to hold them in their outward indicating position, and means for sliding said bar to release said dogs from their engagement with said plugs.

2,179,740

GLASS GRINDING TOOL

James Harris Griffin, St. Helens, England, assignor to Pilkington Brothers Limited, Liverpool, England, a company registered under the Limited-Liability Acts

Application September 2, 1938, Serial No. 228,103

In Great Britain October 5, 1937

4 Claims. (Cl. 51—209)

1. A rotary tool for grinding the under surface of traveling glass, comprising an annular iron body providing an operative surface, a centrally located recess, a passageway at the center of the tool through which abrasive is fed upwardly to said recess, and channels in the annularly operative surface defining self-supporting nogs, said channels communicating with said recess and remaining, at any point, at a constant depth below the operative surface sufficient to allow free flow of abrasive outwardly from the centrally located recess, the said channels consisting of grooves in the annular iron body partially filled



with a material erodable by the outward flow of abrasive.

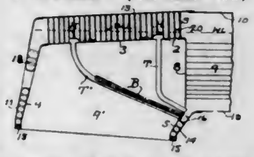
2,179,741

CROWN SHEET PROTECTION

Charles Gilbert Hawley, Chicago, Ill., assignor, by mesne assignments, to Downflow Syphon Company, Cleveland, Ohio, a corporation of Ohio

Application April 12, 1937, Serial No. 136,487

4 Claims. (Cl. 122—68)



1. A locomotive boiler and its stayed firebox, in combination with a water-steaming-and-circulating tube opening from the lower part of the boiler, traversing the fire space of the firebox, and, opening through the crown sheet thereof, and a box-like spreader head upon said sheet and covering the upper end of said tube, said head being of sufficient height to permit cleaning of the tube and presenting a horizontal discharge opening on one side thereof which is of less height than the height of said head.

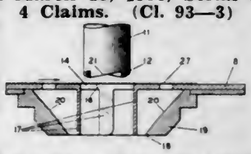
2,179,742

CONTAINER FORMING MECHANISM

Martin Heres, Elmhurst, N. Y., assignor to Eppens, Smith Company, Inc., New York, N. Y., a corporation of New Jersey

Application March 15, 1938, Serial No. 195,999

4 Claims. (Cl. 93—3)



1. An apparatus of the class described, comprising, in combination, a plate having an opening merging into a plurality of curved slots, vertical guides depending from said plate, a unitary collar disposed beneath the plate and surrounding said guides, the inside of the collar having a continuous inclined wall, and a plunger operable through the opening.

2,179,743

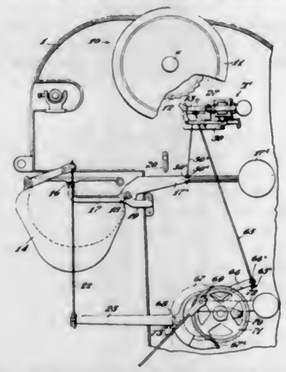
TRIP MECHANISM FOR AUTOMATIC WEIGHERS

Joseph B. Howe, Worcester, Mass., assignor to Geo. S. Harwood & Son, Boston, Mass., a copartnership composed of John H. Harwood, John H. Harwood, Jr., and Sydney Harwood

Application December 17, 1937, Serial No. 180,359

5 Claims. (Cl. 249—4)

1. Trip mechanism for use in a textile machine having movable means for delivering fibrous material, a pivoted controller which, in stopping position, interrupts operation of the fiber delivery means and which, in another position, permits operation of the fiber delivery means, means normally tending to move said controller into the first of said positions, a restraining device normally holding the controller in the latter of said positions, and a scale beam supporting a fiber-receiving scale pan and which swings from a normal, pan-filling position to an abnormal, pan-dumping position in response to the delivery of a predetermined aggregate of fibrous material into the pan by the delivery means, characterized in



having an electromagnetic solenoid operative to move the restraining device to abnormal position thereby to release the controller, a switch element operative to close the solenoid circuit, a tiltable support for the switch element normally holding the switch element in open circuit position, and means so connecting the support to the scale beam that tipping of the latter toward dumping position moves the switch support and thereby places the switch element in circuit closing position.

2,179,744

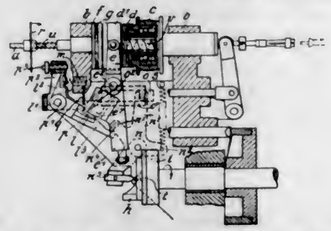
CLUTCH RELEASING MECHANISM FOR AUTOMATIC LATHES

Helmut Junghans, Schramberg-Sulgen, Germany

Application April 5, 1938, Serial No. 200,274

In Germany December 14, 1936

8 Claims. (Cl. 29—53)



1. In a releasing means for the spindle clutch of an automatic lathe, a coupling lever, means for holding the said lever in the coupling position, a hammer for releasing the said lever-holding means, means for holding the said hammer in the striking position, control cams which move the said hammer into the striking position and thereupon the said coupling lever into the coupling position, and means in association with the spindle of the lathe for releasing the said hammer-holding means after action on the piece of work, whereupon the said hammer releases the said lever-holding means to brake the clutch disc.

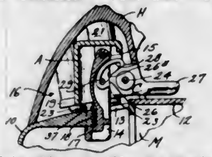
2,179,745

FOOD MIXER HANDLE CONSTRUCTION

William B. Kochner, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application December 14, 1937, Serial No. 179,723

5 Claims. (Cl. 146—3)



2. In combination with a motor having an opening in the shell thereof, a handle for supporting said motor by hand, a hook shaped latch pivoted to said handle and adapted to enter said opening, a cam lever pivoted to said handle and projecting therefrom, the base of said handle being hollow and said hook shaped latch and cam lever being mounted therein with an operating portion of the cam lever projecting through the wall of the handle, said cam lever cooperating with said hook shaped latch to cause swinging and thereby latching and unlatching thereof relative to the edge of said opening.

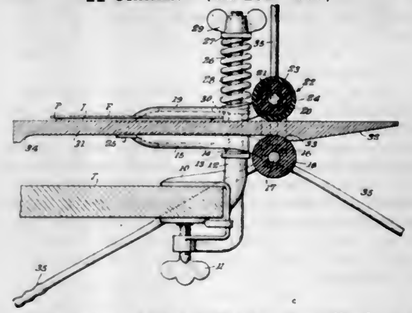
2,179,746

UNIVERSAL GRAPHIC PRINTING PRESS

George László, New York, N. Y.

Application November 1, 1937, Serial No. 172,197

11 Claims. (Cl. 101—277)



1. In a press of the character described, a pair of rolls, respectively upper and lower, the upper roll having a resilient rubber covering, the lower roll being of hard, non-resilient material, and said rolls being yieldingly urged toward each other and a traveling bed comprising a substantially thick member, said bed being formed with a relatively long beveled end for ease of insertion between the rolls and for gradually increasing the pressure uniformly between and along the full length of the rolls, and with portions on said bed adapted to contact one of said rolls for limiting the travel of said bed.

2,179,747

MEANS FOR CONVEYING AGGREGATES IN PORTABLE ROCK CRUSHER MACHINES

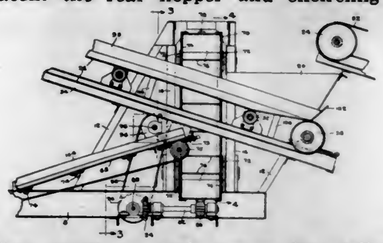
Philip C. Malmsten, Minneapolis, Minn., assignor to Diamond Iron Works, Incorporated, Minneapolis, Minn.

Application February 25, 1938, Serial No. 192,531

1 Claim. (Cl. 198—103)

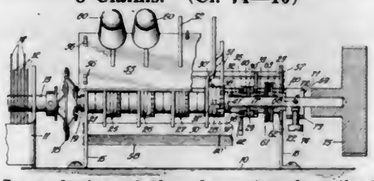
In a portable rock crusher, having a receiving hopper at its rear and toward its lower portion, a second hopper at its front and upper portion

and an endless conveyor taking material from the first hopper to the second hopper, a vertical transfer wheel located between said hoppers and adjacent the rear hopper and encircling said



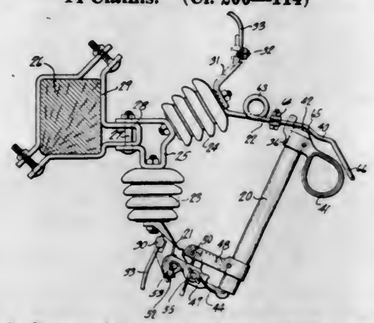
endless conveyor, and means for delivering crusher aggregate thereto, said vertical transfer wheel operating to deposit such material on the endless conveyor after said conveyor has received material from the first named hopper.

2,179,748
MECHANICAL PRESELECTOR
Edward J. Mastney, Berwyn, Ill., assignor to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1938, Serial No. 231,476
8 Claims. (Cl. 74—10)



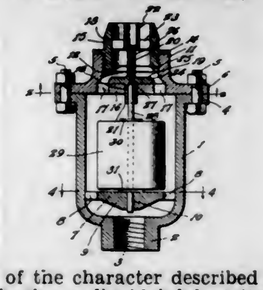
3. In a device of the character described, the combination of a shaft, means normally rotatable with respect to said shaft but adapted to be clamped in adjusted position by side thrust, a U-shaped member engaging said normally rotatable means to exert side thrust thereon, said U-shaped member straddling said shaft, coupling means between said shaft and U-shaped member to force said U-shaped member to travel obliquely to said shaft upon application of a force thereto perpendicular to said shaft.

2,179,749
ELECTRICAL SWITCH
Francis J. McCluskey and Charles Adin Fox, St. Louis, Mo., assignors to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application September 28, 1933, Serial No. 691,280
14 Claims. (Cl. 200—114)



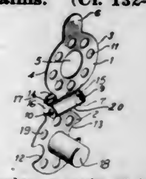
1. A fuse switch embodying spaced, relative stationary terminal members and a demountable fuse cartridge adapted for pivoted movement to open and close a circuit between said terminal members, said fuse cartridge comprising an open-ended tube of insulating material, and a fuse link having a closure cap disposed at one end of said tube, said closure cap having a contact surface adapted for direct bearing engagement by one of said terminal members.

2,179,750
DOUBLE-ACTING AIR VALVE
Mark M. McCracken, Portland, Oreg.
Application June 30, 1938, Serial No. 216,808
1 Claim. (Cl. 137—69)



A valve of the character described comprising a casing having a liquid inlet at its bottom, a cap for the upper end of said casing formed with a neck and with an upper spider in the lower portion of the neck, a lower spider in the casing spaced upwardly from the liquid inlet, a nipple mounted in said neck and defining an air passage, a sleeve mounted in said nipple in spaced relation to the wall thereof, a valve resting upon the upper spider and having upper and lower stems, the upper stem being slidably received in said sleeve and the lower stem being slidably engaged through said upper spider, said stems being of tubular formation to provide an auxiliary air passage and the lower stem being formed with side ports leading from the lower portion of the auxiliary air passage, a float in said casing, and a shank for said float extending vertically through the same with its lower portion slidably engaged through the lower spider and its upper portion slidably engaged in the lower stem of the valve and movable therein into and out of position to close the side ports, said shank having limited upward movement within the auxiliary air passage whereby upon upward movement of the float the valve will be shifted upwardly into position to engage the lower end of the nipple and close the nipple.

2,179,751
HAIR CURLER
Ross M. McFadden, Los Angeles, Calif.
Application October 6, 1937, Serial No. 167,588
5 Claims. (Cl. 132—40)



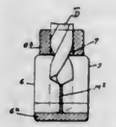
1. In a hair curler, a pair of jaws, hinge means therebetween, a rigid stud secured to one of said jaws, the other of said jaws being formed with an opening through which said stud may pass, and means whereby both jaws may be held closed when said stud has passed through said opening.

2,179,752
HAIR CURLER
Ross M. McFadden, Los Angeles, Calif.
Application July 16, 1938, Serial No. 219,623
3 Claims. (Cl. 132—41)



1. A hair curler, including a curler tube, a jaw, the said tube and the said jaw both provided with perforated lugs, the perforations in the lugs of the tube being at one side of the longitudinal axis of the tube, and a locking element comprising a resilient wire member adapted to parallel sides of the tube and provided with inwardly directed ends passed through the perforations of the jaw and curler tube for pivoting said jaw at its rear end in spaced relation to said tube and for holding the jaw and curler tube in position of assemblage.

2,179,753
METHOD OF MAKING ELECTRICAL CONNECTORS
Frederick W. Mebold, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application March 22, 1937, Serial No. 132,205
2 Claims. (Cl. 29—155.55)

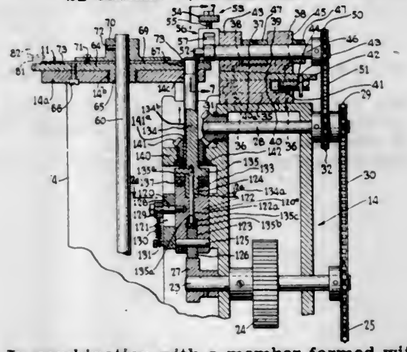


1. The method of forming a body portion of a connector from a body of ductile metal, which consists in arranging said body of metal in a cavity formed in die means, extruding said body of metal through the instrumentality of oppositely moving punch means so as to cause the metal to completely fill said cavity and produce oppositely extending opening portions in said body portion which are separated by a thin web of material and provide the body portion with a solid boss portion which is alined with said thin web of material, drilling an opening in said solid boss portion and as a part of the same drilling operation drilling out said thin web of material, and tapping the drilled opening in the boss portion.

2,179,754
STUCCO CEMENT COMPOSITION
Vito Morgero, Providence, R. I.
No Drawing. Application April 25, 1938,
Serial No. 204,193
3 Claims. (Cl. 106—27)

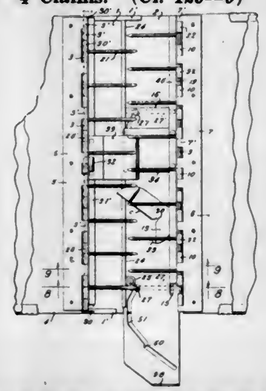
3. A stucco cement coating for the exterior walls of buildings comprising sand, plaster, Portland cement and milk, the sand being in proportion of at least twice the weight of the Portland cement, and the amount of plaster being not greater than the weight of the Portland cement.

2,179,755
METAL SCORING MACHINERY
Isidor Newman, New York, N. Y.
Application November 30, 1937, Serial No. 177,343
21 Claims. (Cl. 113—15)



1. In combination with a member formed with an opening, means for scoring pieces of stock deposited at regular intervals on said member and over said opening, comprising a die having an axis perpendicular to said member disposed below said opening, a scoring element on said die, a second member disposed above said first member and overlapping said opening, means for reciprocating said die longitudinally of its axis to move the same upwardly through said opening to lift each piece of stock deposited on said first member and over said opening, upwardly into contact with said second member, and means for rotating said die while the piece of stock is in contact with said second member.

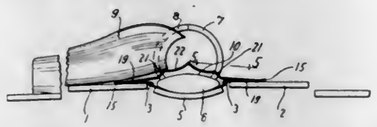
2,179,756
LOOSE-LEAF VISIBLE INDEX BINDER
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application May 5, 1937, Serial No. 140,793
4 Claims. (Cl. 129—9)



1. A visible index binder including a sectional back portion, sets of oppositely disposed prongs, one set mounted at each side of the back portion, such sets being relatively movable in two directions, one direction exactly longitudinally of the binder back and one exactly transversely of the binder, a flat cam plate mounted to slide on one of the back portion sections, and mechanism operable by movement of the cam plate to

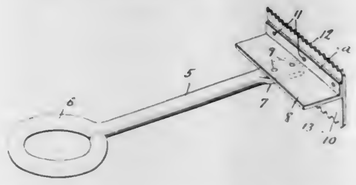
move the prongs relatively transversely in a spreading direction, then longitudinally in an offset direction, and again transversely in overlapping direction when the prongs are in their changed longitudinal relation.

2,179,757
FLYLEAF CONSTRUCTION FOR RING BINDERS
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application January 4, 1939, Serial No. 249,216
5 Claims. (Cl. 129—4)



1. A flyleaf for use with a loose-leaf binder of the kind having hinged covers and a back portion with binding rings overlying the top plate of a ring mechanism mounted on the back portion, said flyleaf consisting of a thin, stiff sheet having an intermediate portion connecting two offset portions and holes to mount the flyleaf on binding rings, said holes being located in said intermediate portion whereby loose-leaf sheets resting on the flyleaf and mounted on the binder rings may entirely overlap said intermediate portion, all for the purpose described.

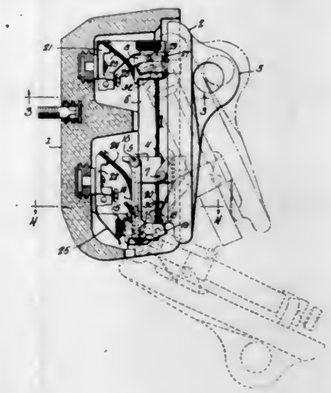
2,179,758
FISH SCALER
Arthur J. Schlueter, Watertown, Wis.
Application November 29, 1937, Serial No. 177,095
2 Claims. (Cl. 17—7)



1. A fish scaler comprising a handle, a blade secured to one end of the handle, said blade being of rectangular shape and having fine teeth at one longitudinal edge thereof and larger teeth at its other longitudinal edge portion, said handle being secured to the blade at a point nearer the edge portion having the fine teeth than the edge portion having the larger teeth.

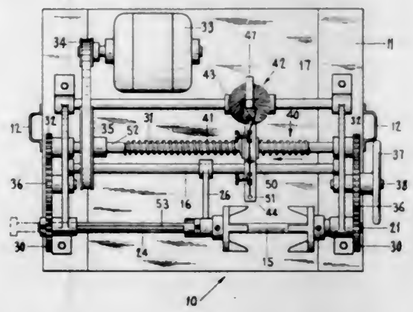
2,179,759
FUSE
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application January 9, 1933, Serial No. 650,815
50 Claims. (Cl. 200—114)

1. A housed type drop-out fuse comprising a casing, a door for said casing, a fuse assembly carried by said door, pivot means supporting said door and fuse assembly, said fuse assembly having a fuse link, and means releasably holding said door closed, said means being normally restrained against releasing movement by said fuse



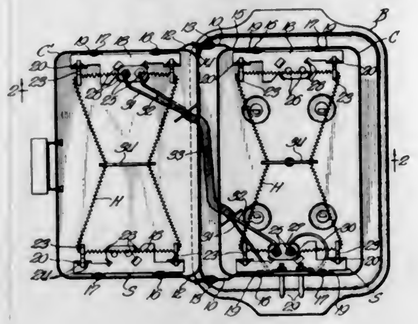
link and being released when said fuse link is ruptured.

2,179,760
PORTABLE DOUBLE DRIVE WINDING MACHINE
John Scoffone, New York, N. Y.
Application April 14, 1939, Serial No. 267,856
3 Claims. (Cl. 242—7)



1. In a portable double drive winding machine for food articles having a penetrable skin of the class described, a frame, a headstock having converging jaws with grooves of V-shaped cross-section in the engaging faces thereof, said headstock being rotatably mounted on a spindle and being positively driven, a slidable headstock having converging jaws with grooves of V-shaped cross-section in the engaging faces thereof and being mounted on a spindle in alignment with said first headstock, each of said headstocks being adapted to substantially deeply engage the article being wound without penetrating the skin thereof, a drive-shaft having gears at opposite ends, said headstock spindles having gears thereon, intermediate gears mounted on said frame and meshing with said drive shaft gears and with said spindle gears and causing said headstocks to positively rotate in the same direction, said slidable headstock being spring-urged in direction of said first headstock, whereby said headstocks resiliently grip and press from opposite ends an article placed therebetween for winding.

2,179,761
ELECTRIC APPLIANCE STRUCTURE
Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 9, 1938, Serial No. 206,809
6 Claims. (Cl. 219—19)



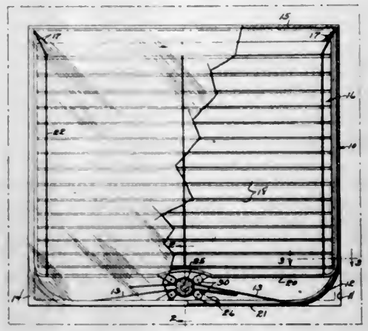
5. In an appliance of the character disclosed, a shallow pan-like casing, a grid for closing the open face thereof, a heating element within said casing and supported adjacent the corners thereof, said heating element comprising a coiled resistance element and means for supporting the intermediate portion of said coiled resistance element comprising an insulating strip, opposite stretches of said heating element being threaded therethrough and bowed toward each other under tension, whereby said insulating strip is supported by said opposite stretches edgewise relative to the bottom of said casing and to said grid.

2,179,762
PROCESS OF COLORING FRUIT
Longfield Longfield-Smith, Babson Park, Fla., assignor to Mrs. B. C. Skinner, Dunedin, Fla.
No Drawing. Application September 13, 1937, Serial No. 163,679
2 Claims. (Cl. 99—103)

1. Process for coloring citrus fruits comprising providing the following dye concentrate solution: a mixture of a solution of an oil dye in a water-insoluble solvent selected from the following group: chloroform, carbon tetrachloride, dichlorethane, trichlorethane, tetrachlorethane, pentachlorethane, dichlorethylene, trichlorethylene, perchlorethylene and dichlorobenzene, with a water-soluble solvent selected from the following group: butanol, ethers of mono-ethylene glycol, ethers of diethylene glycol, cyclohexanol, diacetone alcohol, ethyl alcohol, propyl alcohol; said mixed oil-dye solutions being dissolved in a soap solution, emulsifying this dye concentrate solution with water, and exposing the citrus fruit surfaces in contact with said emulsion at a temperature range of from 90° F. to 100° F., until the desired degree of color has been imparted to the fruit.

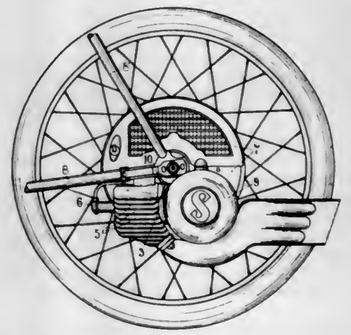
2,179,763
WINDOW SHADE
Harry Smolowitz, Denver, Colo.
Application March 10, 1939, Serial No. 261,051
2 Claims. (Cl. 156—17)

1. A window shade comprising a substantially U-shaped frame having an interior guide opening in the legs and bottom thereof, front and rear glass panes secured to opposite sides of the frame, a slat blind within the frame between the panes, means for securing the blind at the bottom to the frame, perforated metal ribbons slidably mounted in the guide openings of the frame, cords connected to the slats of the slat blind and connected at the upper ends to the upper ends of respective ribbons, there being openings in the inner sides of the legs of the frame permitting of



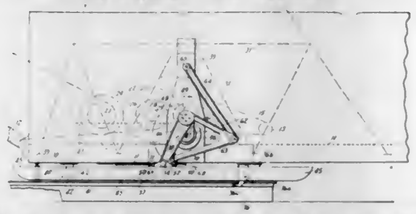
the upper ends of the cords receding downward to permit the slat blind to be folded at the bottom of the panes when the ribbons are moved downwardly in said guide openings, and a cog spool engaging said ribbons near the lower ends thereof and adapted to be rotated to simultaneously feed the ribbons upwardly to extend the slat blind or withdraw the ribbons downwardly to fold the slat blind.

2,179,764
AIR-COOLED BICYCLE MOTOR
Gustav Steinlein, Mainberg, near Schweinfurt, and Ludwig Bruckmoser, Schweinfurt, Germany
Application February 17, 1938, Serial No. 191,006
In Germany February 17, 1937
3 Claims. (Cl. 180—33)



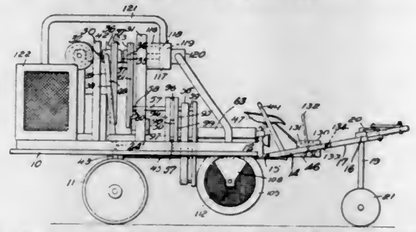
1. In a motor bicycle of the type having a motor with a substantially horizontal cylinder, mounted on the driving wheel with its center of gravity below the axis of said wheel, spaced substantially parallel cooling ribs on said cylinder arranged from the top to the bottom thereof, said ribs being substantially parallel to the cylinder axis and downwardly inclined from said cylinder away from the plane of said wheel whereby water, mud, etc., falling on the cooling ribs drain downwardly away from the cylinder and the wheel.

2,179,765
WALKING TRACTOR
Harry F. Stock, Marion, Ohio, assignor to The Marion Steam Shovel Company, Marion, Ohio, a corporation of Ohio (1927)
Application May 24, 1938, Serial No. 209,769
18 Claims. (Cl. 180—8)



1. In a propelling mechanism for a machine which comprises a platform and a supporting base connected with said platform for upward and forward movements therewith, treads at the respective sides of said base, operable devices connecting the respective treads with said platform, means carried by said platform for operating said devices to move the forward edge of said base upwardly and to move the base as a whole forwardly, and means connected with said operable devices and with a relatively stationary part of said machine for positively controlling the movement of said operable devices to cause the forward edge of said base to move upwardly substantially in a vertical line, to then move upwardly and forwardly to its maximum elevation and to then move forwardly and gradually downward to its supporting position.

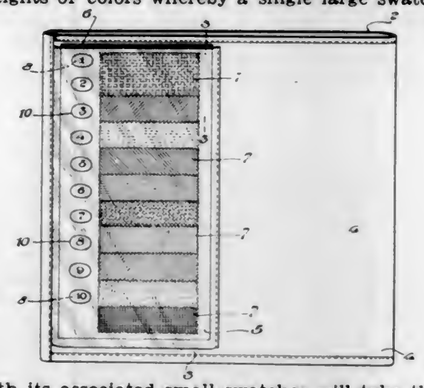
2,179,766
INSECT EXTERMINATOR
Leonard S. Webb, Midland, Tex.
Application March 13, 1939, Serial No. 261,534
7 Claims. (Cl. 43—140)



1. An insect exterminator comprising, opposed fans on opposite sides of a row of vegetation, means to rotate one of said fans to create a blast of air transversely of the said row of vegetation to blow insect pests on the said vegetation into the other of the said fans, and suction means to remove the insects from the said last-mentioned fan.

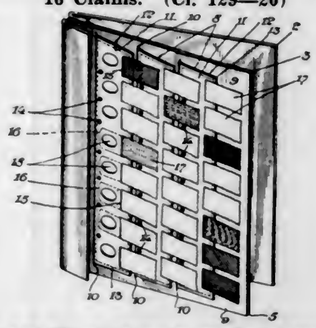
2,179,767
SWATCH
Rudolph Weinlich, Brooklyn, N. Y.
Application December 10, 1938, Serial No. 244,943
11 Claims. (Cl. 35—56)

1. A relatively large swatch of cloth or textile fabric of sufficient size to drape over the arm or leg and having on a face thereof a pocket of materially less size than the swatch and having therein a removable supporting holder carrying in juxtaposition for ready comparison with each other and with the larger swatch, a set of smaller swatches of the same pattern but of different weights or colors whereby a single large swatch



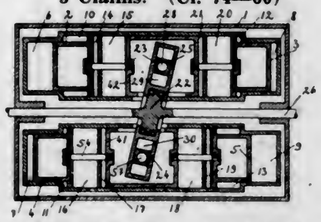
with its associated small swatches will take the place of many large swatches.

2,179,768
SAMPLE CARRIER
Rudolph Weinlich, Brooklyn, N. Y.
Application March 8, 1939, Serial No. 260,460
16 Claims. (Cl. 129—20)



1. A swatch or sample carrier comprising a supporting member, a carrier member hinged thereto, a liftable flap hinged to said carrier member on its face and within its side edges, and a removable swatch carrying tab carried by the flap.

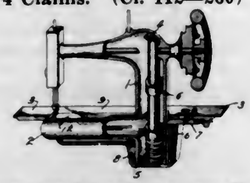
2,179,769
COMBUSTION ENGINE
Fritz Wehinger, Baden, Switzerland
Application March 23, 1937, Serial No. 132,564
In Germany March 28, 1936
3 Claims. (Cl. 74—60)



1. A wabble plate of a combustion engine, rotating inside of a connecting plate, which is free of any moving parts and which is fitted with slots, slides attached to balls, fitted to guide-

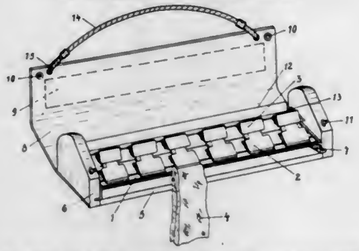
cases, moved backward and forward in a straight line and which are connected to the pistons, the slides fitted into the slots of the connecting plate.

2,179,770
SEWING AND MENDING MACHINE
Anna Charlotte Wieck, Corvallis, Oreg.
Application February 11, 1938, Serial No. 190,060
4 Claims. (Cl. 112—260)



1. A sewing head having a mending foot, an arm-like bed housing the stitch forming mechanism, a cloth plate provided with a recess into which said arm-like bed may fit supporting two slide-bars, said head having four bearing surfaces communicating with the bars and two coil springs pressing between the head and the cloth plate and a catch to hold the head in an upper or lower position with respect to the cloth plate and having two plates to cover the recess when vacated by the bed, the sewing head in its upper position being elevated with the bed entirely above the cloth plate.

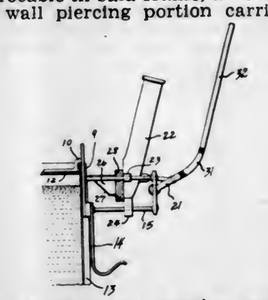
2,179,771
TIE HOLDER
Fritz Wienand, Buchschlag, Hessen, Germany
Application June 14, 1935, Serial No. 26,559½
In Germany September 7, 1932
6 Claims. (Cl. 211—89)



1. A tie holder, comprising in combination a bar, clips oscillatable about the middle portion about an axis extending parallel to the longitudinal axis of said bar and mounted parallel to one another on said bar perpendicularly to the longitudinal axis thereof, resilient elements adapted to press the lower end of each of said clips against said bar, a second bar arranged behind said first bar, and intermediate elements between said two bars connecting said bars with their longitudinal edges parallel to one another so that a gap corresponding to the thickness of a finger remains at least at the top between said bars.

2,179,772
CAN POURING DEVICE
Elijah J. Willis, Morehead City, N. C., assignor of one-half to Jasper B. Frizzelli, Snow Hill, N. C.
Application March 1, 1939, Serial No. 259,242
5 Claims. (Cl. 221—23)

1. A pouring attachment for sealed metal containers comprising a support engageable over one end edge of a container, a frame extending laterally from said support, a spout member slidably reciprocable in said frame, a hollow tubular container wall piercing portion carried by the



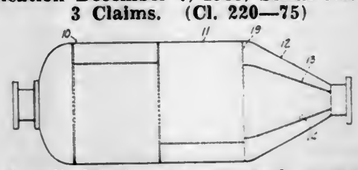
inner end of the spout member and movable therewith, and an actuating lever fulcrumed in said frame and in operative connection with said spout member whereby to move said member to force the piercing section in and through the container wall.

2,179,773
THERMOMETER
William M. Young, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application June 21, 1937, Serial No. 149,294
15 Claims. (Cl. 73—371)



2. A thermometer comprising a tube having a bore extending longitudinally therethrough, a bulb communicating with said bore, and an indicating liquid in said bulb and a portion of said bore, said tube being shaped to have a cylindrical lens front defined by an arcuate surface, the cross section of which is an arc of an ellipse having its major axis coinciding with the axis of symmetry of the tube, said tube having its bore located substantially at the focal line of the lens with the extreme edge rays passing through the lens forming an angle of not less than 50° nor more than 80° at the axis of the bore.

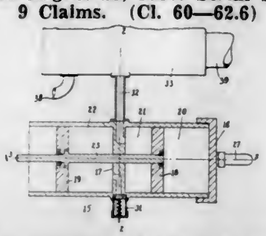
2,179,774
WELDED PRESSURE VESSEL
Frederick K. Zerbe, Waukesha, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application December 7, 1935, Serial No. 53,295
3 Claims. (Cl. 220—75)



3. A cylindrical pressure vessel comprising a cylindrical body portion, a conical head portion having its large end complementary to the end of said cylindrical body portion, one of said members being reduced in thickness by a curved outer surface merging with the outer surface of the other member, and a circumferential weld join-

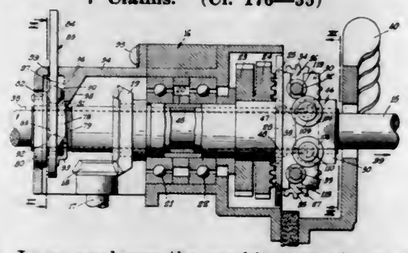
ing said body and said head and maintaining the thickness of said members uniform throughout the joint.

2,179,775
PRESSURE GOVERNED CONTROL DEVICE
Grettir Algarsson, Montreal, Quebec, Canada
Application August 25, 1937. Serial No. 160,894
9 Claims. (Cl. 60—62.6)



1. In a controlled mechanism, a pressure governed control device comprising a series of balancing chambers having movable walls connected for synchronous movement to effect control, one chamber having a restricted inlet, a second chamber having a controlled outlet, a third chamber having a connection to a source of governing pressure whose variation will cause displacement of the movable walls, and a constantly driven pump having an inlet connection from the first chamber and an outlet connection to the second chamber, said pump adapted to maintain a balance between the first two chambers and the third when the governing pressure is at the desired absolute value, control of the mechanism being effected by movement of said walls under variation of the governing pressure.

2,179,776
ELECTRODE RELEASE FOR ARC LAMPS
Fielding C. Coates, Los Angeles, Calif., assignor to Mole-Richardson Co., Los Angeles, Calif., a limited partnership of California
Original application August 27, 1938, Serial No. 227,142. Divided and this application February 20, 1939, Serial No. 257,276
7 Claims. (Cl. 176—55)



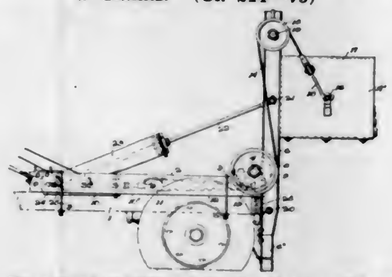
1. In an arc lamp, the combination of: an electrode; a rotatable electrode carrier supporting said electrode for rotation about its longitudinal axis; electrode feeding wheels for engaging said electrode; mounting means for mounting said feeding wheels on said carrier for movement out of engagement with said electrode and into electrode engaging position; a release member engageable with said mounting means for moving said feeding wheels out of engagement with said electrode; a sliding sleeve interposed between said electrode and said carrier for rotation therewith and for operating said release member; a flange on said sleeve; a stationary flange disposed at an angle and spaced from said flange on said sleeve; a rolling member confined in said space between said flanges; and a manually operable means for urging said rolling member toward the apex of said angle for sliding said sleeve to move said feeding wheels out of engagement with said electrode.

2,179,777
FINGER SIGNAL
Myron L. Davis, Indianapolis, Ind.
Application January 24, 1938, Serial No. 186,711
1 Claim. (Cl. 177—329)



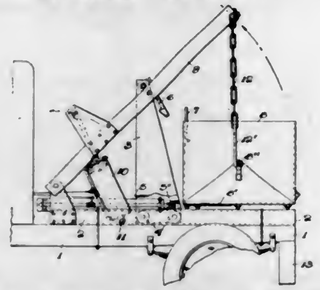
A finger signal comprising a tube provided with three parallel compartments extending longitudinally thereof, the outer side of the center compartment being provided with an opening having the shape of an arrow, battery cells arranged in the outer compartments, a spring conductor strap secured to a front end wall of the center compartment and connecting the battery cells together in series, a cap telescopically engaged upon the tube, a lamp socket carried by the cap and disposed in the central compartment back of the arrow-shaped opening, a lamp bulb in the socket, a conductor bar connected to one of the cells and to the outer contact of the lamp socket, a conductor bar connected to the center contact of the lamp socket and imbedded in the cap to be exposed through an opening formed in one side of the cap, a conductor bar imbedded in the cap and connected to the adjacent end of the other battery cell and exposed through said opening, and a push button switch carried by the cap and adapted to cross connect both the last named conductor bars for closing the circuit from the battery cells to the lamp.

2,179,778
TRANSPORTING VEHICLE
George R. Dempster, Knoxville, Tenn.
Application June 17, 1938, Serial No. 214,371
2 Claims. (Cl. 214—75)



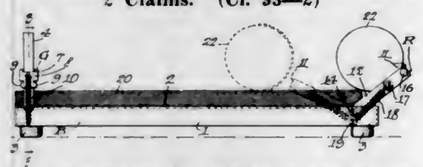
1. In a transporting vehicle, the combination of a power shaft extending across the rear end of the vehicle, a track or way pivoted to turn on said power shaft in a vertical plane, means for revolving said power shaft, drums on said shaft exterior to the track and on each side thereof, a second shaft extending across said track above said power shaft with its ends projecting outside of the track or way, guide sheaves on the projecting ends of said second shaft, a container movable up and down on said track or way, cables on said drums and extending over said guide sheaves to said container, and means turning said track or way in a vertical plane on said power shaft.

2,179,779
TRANSPORTING AND DUMPING VEHICLE
George R. Dempster, Knoxville, Tenn.
Application August 5, 1938, Serial No. 223,348
10 Claims. (Cl. 214—77)



1. In a transporting vehicle, the combination of a track or way extending forward from the rear end of the vehicle above and across the rear axle thereof, an upwardly extending skid movable forward and backward along said track or way, power means for imparting said movements, a boom pivoted forward of said track and extending rearward to said skid, means for swinging said boom on its pivot, a container movable up and down in contact with said skid, and connections from the rear end of said boom to said container whereby said container is elevated along said skid.

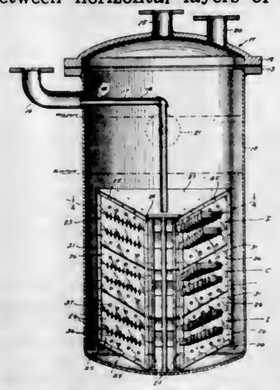
2,179,780
BOTTLE WRAPPER AND ROLLER
William L. Dewberry, Dallas, Tex.
Application July 6, 1938, Serial No. 217,768
2 Claims. (Cl. 93—2)



1. In a machine for wrapping wet bottles, to which paper will adhere, a base, a grip carried by the base, a combined bottle roller and paper holder pivoted to the base for swinging movement at the will of an operator forwardly toward the grip and rearwardly away from the grip, the grip constituting means for holding a stack of paper on the base, with one end of the stack in a fixed position with respect to the roller and holder, means for limiting the rearward movement of the roller and holder, to dispose it in such position that when a bottle is disposed against the roller and holder, the lower portion of the bottle will rest upon and project outwardly beyond said end of the stack, thereby to pick up terminally the uppermost sheet of the stack, for rolling, and spring means for swinging the roller and holder rearwardly to bottle-abutment position, and forwardly to paper holding position.

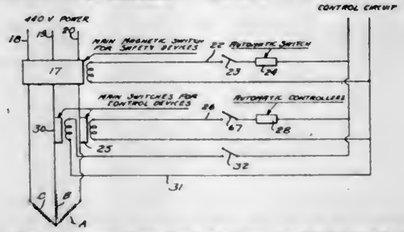
2,179,781
ELECTRIC BOILER
Edward M. Frankel and Arthur Pollak, New York, N. Y., assignors to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware
Application March 23, 1936, Serial No. 70,328
7 Claims. (Cl. 219—39)

1. In an electric boiler adapted for heating and/or evaporation of high boiling substances, a boiler shell, a plurality of vertically spaced heating units therein, said units being adapted to be completely covered by the liquid to be evaporated and arranged to afford separate uptake and downtake passages for circulation of liquid, baffles between horizontal layers of units, said



baffles extending from one to the other of said passages whereby circulation is directed both upwardly and laterally and the flow of liquid is upwardly of one of said passages and downwardly of the other, said baffles preventing the liquid or its vapor from coming into contact with more than one unit.

2,179,782
CONTROL DEVICE FOR BOILERS
Edward M. Frankel, Cedarhurst, Md., and Arthur Pollak, New York, N. Y., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application January 15, 1938, Serial No. 185,120
3 Claims. (Cl. 219—38)

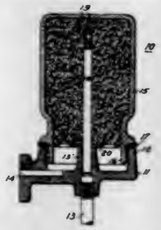


1. In a vapor heating system, a boiler, electric heating units therein adapted for three-phase operation and automatic means responsive to the temperature of said system for automatically cutting in and cutting out one leg of the three-phase connections to control the average temperature in the system.

2,179,783
PROCESS FOR THE PRODUCTION OF TETRAZYLAZIDE AND THE SALTS THEREOF
Walter Friederich and Karl Flick, Troisdorf, Bez. Cologne, Germany, assignors to Dynamit-Aetien-Gesellschaft, vormals Alfred Nobel & Co., Troisdorf, near Cologne, Germany
No Drawing. Application December 17, 1938, Serial No. 246,496. In Germany May 7, 1937
2 Claims. (Cl. 260—308)

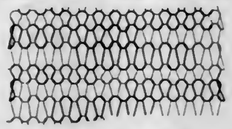
1. The process for the production of tetrazylazide and its salts which comprises reacting cyanogen halides with a solution of a member of the group consisting of hydrazoic acid, alkali metal azides and alkaline earth metal azides.

2,179,784
OIL FILTER
Conrad E. Frudden, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 22, 1936, Serial No. 97,337
3 Claims. (Cl. 210—131)



1. A filter comprising a base provided with inlet and outlet ports, one of said ports comprising a substantially straight imperforate tube having one end fixed on said base and provided with openings adjacent its other end, a container provided with a packed mass of fibrous filtering material having the fibers arranged at random therein and substantially filling said container and having a preformed aperture formed by self-supporting walls of said filtering material through a substantial portion of the length of said container, and means for removably mounting the said container with its contents on said base so that a major portion of said tube tightly fits within said aperture and directly contacts said material.

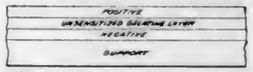
2,179,785
METHOD OF PRODUCING RINGLESS KNITTED FABRICS
Clarence D. Gallagher, Philadelphia, Pa., assignor of one-half to William Schrem, Philadelphia, Pa.
Application November 30, 1937, Serial No. 177,208
2 Claims. (Cl. 66—169)



1. The method of producing ringless knitted fabric from a single yarn by repetitions of a cycle involving a fixed number of courses in excess of two, which comprises varying the size of the loops as between said courses while maintaining the loops in the individual courses uniform.

2,179,786
METHOD AND MEANS FOR MAKING CORRECTED COLOR SEPARATION IMAGES
Arthur C. Hardy, Wellesley, Mass., assignor to Interchemical Corporation, a corporation of Ohio
Application January 21, 1937, Serial No. 121,467
7 Claims. (Cl. 95—2)

3. The method of producing a corrected color component image of a colored object by use of a photographic element having two sensitive layers permanently attached to a support, which comprises forming a negative image of one of the primary color components of the colored object in one of the sensitive layers, forming a positive image of another of the primary color components of the colored object in the other sensitive layer, the positive image being superposed and in register with the negative image, and printing both images simultaneously to form a corrected color component record of the colored object.

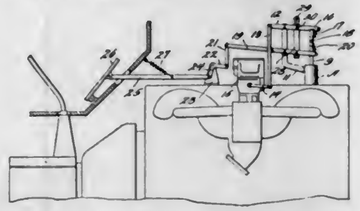


7. A photographic film for making color separation negatives comprising a back layer of a relatively fast negative photographic emulsion containing a dye sensitizing the emulsion to light in one spectral region, and a front layer of a relatively slow direct positive photographic emulsion containing a dye sensitizing the emulsion to light in another spectral region.

2,179,787
METHOD OF MAKING UNSATURATED CHLORIDES OR BROMIDES AND HALOHYDRIN ESTERS
Charles G. Harford, Quincy, Mass., assignor to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application March 28, 1936, Serial No. 71,446
23 Claims. (Cl. 260—497)

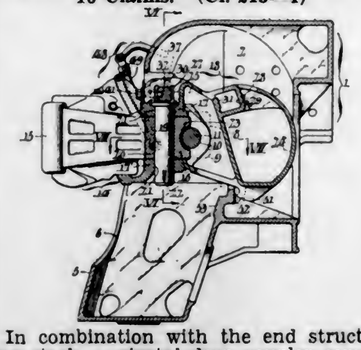
7. Process for preparing tertiary-unsaturated organic chlorides, and chlorhydrin esters, comprising reacting a tertiary alkyl hypochlorite and a compound of the formula YOH, wherein Y is an acyl radical, with an organic compound having in its molecule two carbon atoms linked by an olefinic double bond, one of said carbon atoms being in a tertiary position and the other being linked to at least one hydrogen atom, thereby replacing said hydrogen atom with a chlorine atom to give a tertiary unsaturated chloride, in the case of a part of the said organic compound, and, in the case of another part of said organic compound, adding to one of the said two carbon atoms an —OY group and, to the other carbon atom, chlorine, thereby transforming the double bond into a single bond and forming a chlorhydrin ester.

2,179,788
ACCELERATOR GOVERNOR LINKAGE
Edward M. Hinton and William A. Brandt, Drexel Hill, Pa.; said Brandt assignor to said Hinton
Application November 5, 1937, Serial No. 173,024
3 Claims. (Cl. 137—139)



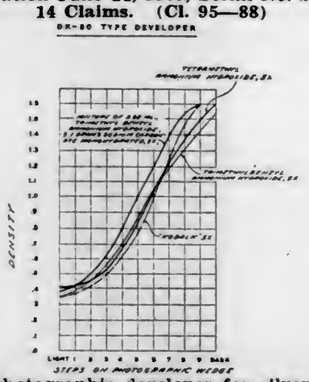
1. In a device for controlling the throttle valve of an internal combustion engine, a cylinder, a piston mounted for reciprocation therein, a manually operable member, means including a resilient member connecting said manually operable member and said piston, a throttle valve, and means connecting said piston and said throttle valve, said last named means including an arm secured to said throttle valve, a lever connected to said arm and supported on a fixed pivot, and resilient means connecting said lever and said piston.

2,179,789
DROP COUPLER FOR LOCOMOTIVES
Harry A. Hoke, Altoona, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 5, 1938, Serial No. 243,945
16 Claims. (Cl. 213—4)



1. In combination with the end structure of rolling stock, a pivotal drop coupler comprising a counterbalance with a claw swingable relative thereto, keeper means engageable through the counterbalance for holding the coupler in active position and restraining it against vibration when inactive, said means being located above and outwardly of the coupler pivotal axis, and reversible bearing members coacting with the coupler pivot and keeper means for changing the operating plane of the coupler.

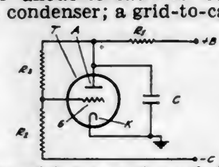
2,179,790
PHOTOGRAPHIC DEVELOPER
Louis C. Jones, Greenwich, Robert Bowling Barnes, Stamford, and Garnet Philip Ham, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 14, 1939, Serial No. 279,094
14 Claims. (Cl. 95—88)



1. A photographic developer for silver halides containing as an alkalinity producing agent a quaternary ammonium hydroxide in effective amount.

2,179,791
STABILIZED OSCILLATION GENERATOR
Winston E. Kock, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application March 17, 1937, Serial No. 131,422
10 Claims. (Cl. 250—36)

1. In an electrical oscillator, a glow-discharge tube having at least an anode, a cathode and a grid; an anode-to-cathode supply circuit containing a source of anode potential and a resistance; an anode-to-cathode control circuit containing a condenser; a grid-to-cathode circuit



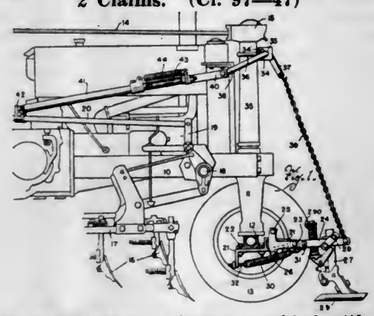
containing a resistance and a substantially constant source of potential; and a connection between said anode and said grid containing a resistance, said connection serving to control the negative bias of said grid in accordance with the value of a charge on said condenser.

2,179,792
INDICATING DEVICE FOR TAIL LAMPS AND THE LIKE
Roy Clarence Lappin, Randwick, near Sydney, New South Wales, Australia
Application April 5, 1937, Serial No. 135,178
In Australia October 7, 1936
1 Claim. (Cl. 177—329)



An indicating device comprising a solenoid, a plunger movable axially into the core thereof, said plunger being composed of soft sheet metal rolled layer upon layer and having a portion of its outer layer radially extended, and said extension being formed as an indicating element.

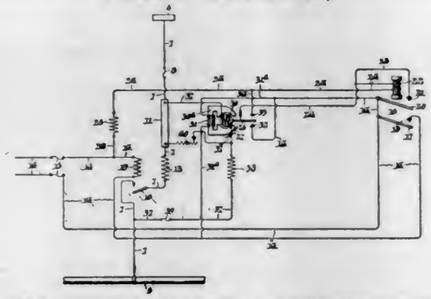
2,179,793
RIDGE LEVELING ATTACHMENT FOR TRACTOR CULTIVATORS
Lawrence M. Lewison, Sioux Rapids, Iowa
Application April 27, 1937, Serial No. 139,216
2 Claims. (Cl. 97—47)



1. In a cultivator, a frame provided with a set of cultivator blades mounted thereon adapted to dig into the surface of the ground, a rock shaft having a pair of connections with said set of blades for positively raising and lowering the same, a manually actuated lever and a rod connecting said lever with said rock shaft, the combination of a ridge leveling attachment comprising a supporting member pivotally carried by the cultivator frame in advance of a front wheel thereon adapted to be raised and lowered, a ridge leveling blade on said supporting member adapted to contact the earth in advance of said wheel, a pair of pivoted crank arms, one of said crank

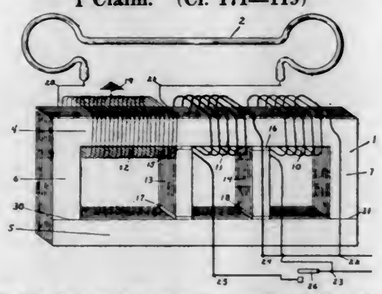
arms being loosely connected to said supporting member for raising it only and adapted to release it for lowering to an operating position, the other of said arms having a rod connection with said manually actuated lever, a resilient joint in said rod connection to permit movement of said manually actuated lever in a direction to positively raise and lower the position of the cultivator blades with respect to the ground without changing the released position of said ridge leveling attachment.

2,179,794
AUTOMATIC REVERSE CURRENT SWITCH
James M. Loy, New York, N. Y., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 1, 1937, Serial No. 177,458
1 Claim. (Cl. 171—316)



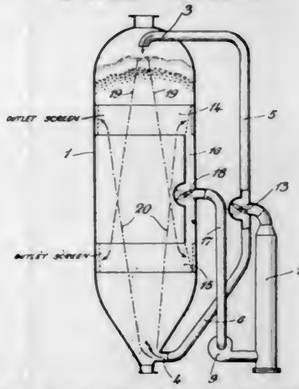
The combination with a protective electric drainage connection for preventing electrolysis of an underground structure, an interrupter interposed in said connection, and an operating coil for causing said interrupter to open and close, of a polarized potential relay switch having a potential winding connected in parallel with said interrupter, across its gap, and a polarizing winding with connections for energizing it, an auxiliary power and control circuit independent of said drainage connection, with a relay switch controlling said latter circuit and the energization of the operating coil of said interrupter, and circuit means for the energization and operation of said latter relay switch controlled by said polarized potential relay switch.

2,179,795
TRANSFORMER
Frank McCurtain, Los Angeles, Calif., assignor to Specialty Engineering Company, Los Angeles, Calif., a corporation of California
Application March 10, 1937, Serial No. 130,079
1 Claim. (Cl. 171—119)



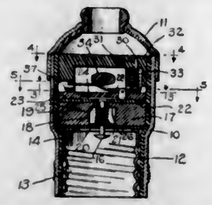
Means for selectively controlling the current in a load circuit of varying resistance comprising a source of alternating current, a load circuit of varying resistance, a transformer connected between said source of alternating current and said load circuit, said transformer embracing as its essential parts a closed core structure on which are positioned in the order named a single secondary winding which is connected to said load circuit and two primary windings, both of which are adapted to induce current in said secondary winding, a high reluctance magnetic shunt interposed between said secondary winding and the adjacent primary winding, and a high reluctance magnetic shunt interposed between said primary windings to thereby provide a single shunt around said secondary winding for the flux developed by the adjacent primary winding and parallel shunts around said secondary winding for the flux developed by the primary winding remote from said secondary winding, and one of said primary windings being connected to said source of alternating current and so designed as to send sufficient flux through the core of said secondary winding to cause sufficient current to flow through said secondary winding and consequently through said load circuit to supply a predetermined current to said circuit and means for connecting the other of said primary windings to said source of alternating current, said last mentioned primary winding being so designed as to cooperate with said first mentioned primary winding to send sufficient additional flux through the core of said secondary winding to cause a substantial additional current to flow through said load circuit.

2,179,796
CIRCULATION SYSTEM FOR WOOD PULP DIGESTERS
Einar Morterud, Oslo, Norway
Application October 8, 1937, Serial No. 168,074
In Norway May 14, 1936
1 Claim. (Cl. 92—7)



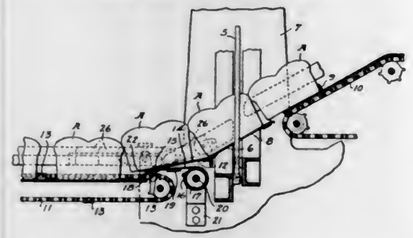
In a wood pulp digester, a system for positive circulation of the digesting liquor comprising a circulation pump, conduits for connecting the pressure side of said pump with the top and bottom intakes to the digester, an annular outlet screen in the upper portion of the digester, a second annular outlet screen in the lower portion of the digester, a conduit interconnecting said annular outlet screens at their peripheries and attached to and contacting the inside wall of the digester, a conduit connecting said conduit interconnecting said annular outlet screens with the suction side of said circulation pump, a single controlling flap valve for distributing the liquor from said circulation pump between the conduits leading to the top and bottom intakes of the digester and a single controlling flap valve for connecting either or both annular outlet screens with the suction side of said circulation pump whereby said digester interior is substantially unobstructed except for said screens.

2,179,797
SOCKET SWITCH
John L. Nemeth, South Bend, Ind.
Application August 5, 1938, Serial No. 223,340
1 Claim. (Cl. 173—352)



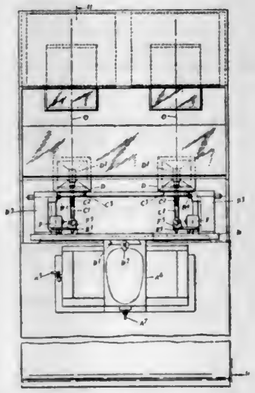
In a socket switch, a shell, a threaded cylindrical contact having an inner wall provided with an axial opening, an insulating disc on the inner wall, a block of insulation in the shell on the disc, a spring pressed plunger in the block projecting through the disc into the cylindrical contact and adapted to be moved endwise by insertion of a plug or lamp in the cylindrical contact, an insulating disc on the block, a conductor bar between the block and the last named disc extending across the plunger, said plunger when moved endwise projecting through the block and through the last named disc to engage the bar and form a circuit closer at this point, a hinge ear on the bar projecting through the last named disc, a contact arm pivoted between its ends on said ear, a helical spring disposed in the shell and bearing upon one end of the arm, an operating key carried by the shell having an insulated cam engaging the other end of the arm, and a stationary contact in the shell insulated therefrom and coacting with the arm in forming a circuit closer at this point.

2,179,798
LOAF TRANSFER
Charles H. Petskeyes, Davenport, Iowa, assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware
Application May 6, 1936, Serial No. 78,114
12 Claims. (Cl. 146—153)



1. In a slicing machine an infeed conveyor for advancing articles to the slicing mechanism at uniform intervals, a discharge conveyor to convey sliced articles away from the slicing mechanism, a table positioned between the conveyors for supporting an article during a slicing operation, an apron supported over the discharge conveyor and beneath the discharge end of the table, and means for advancing and retracting the apron with respect to the table whereby the combined effective article supporting length of the table and apron may be increased or decreased to adjust the machine for articles of different size and time the discharge of sliced articles onto the discharge conveyor in synchronism with the feed intervals.

2,179,799
OPTICAL PROJECTION APPARATUS
Arthur Claud Phillips, Leicester, England, assignor to Kapella Limited, Leicester, England, a company of Great Britain
Application April 27, 1938, Serial No. 204,686
In Great Britain April 29, 1937
23 Claims. (Cl. 88—24)

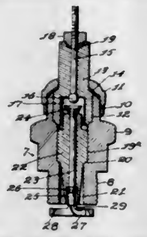


1. In optical projection apparatus, in combination, a projection screen, means for supporting an object whose image is to be projected on to the screen, a light source for illuminating the object, two non-collinear supports, two carriers mounted to pivot on the supports, and two optical systems mounted on the carriers respectively and which simultaneously project images of two portions of the object respectively on to the screen, each optical system comprising a projection lens and a light-deflecting device which directs the optical axis of the system into coincidence with the corresponidng pivot axis, the object points of the two systems being thus adjustable respectively along circular arcs thereby varying the distance between the object points without altering the relative positions of the two images as projected on the screen.

2,179,800
PROCESS OF PRODUCING CONDENSATION PRODUCTS HAVING TANNING ACTION
Hermann Schuette, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 1, 1938, Serial No. 216,963. In Germany July 17, 1937
6 Claims. (Cl. 260—457)

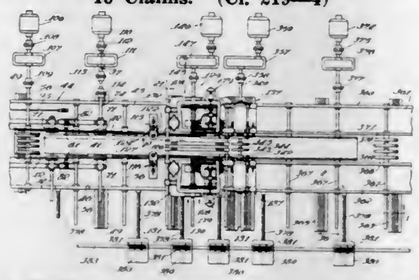
1. The process of producing condensation products having tanning action, which comprises causing a dihydroxy-diphenylsulphone at a temperature range of between 100 and 160° C. to react with glycollic acid in the presence of a sulphonating agent.

2,179,801
SPARK PLUG
Charles Smith, St. Louis, Mo., assignor of one-fourth to John H. Theis, Pacific, Mo.
Application April 7, 1939, Serial No. 266,566
7 Claims. (Cl. 123—169)



1. A spark plug of the character described comprising a casing, an upper rigid and a lower movable insulating core mounted therein, electrodes carried by said insulating cores, a ring formed on the bottom end of the casing and conveniently spaced between the ring and terminal of the casing, and a spark forming point formed on the lower end of the movable electrode to form a spark between the point and ring, and to move freely vertically as well as horizontally.

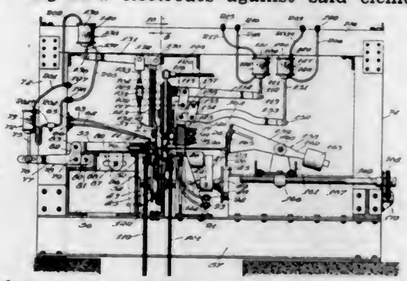
2,179,802
APPARATUS FOR PRODUCING BEAMS, COLUMNS, OR THE LIKE
Wilfred Sykes, Chicago, Ill., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application October 17, 1935, Serial No. 45,523
18 Claims. (Cl. 219—4)



1. Welding mechanism for manufacturing beams or columns comprising an assembling table having means to flatwise and horizontally support one of the members from which the beam or column is to be formed and means for independently supporting edgewise in a vertical plane in angular relation to said first-referred-to member a member to form a flange of the beam or column, and means for receiving the assembled members and welding them together.

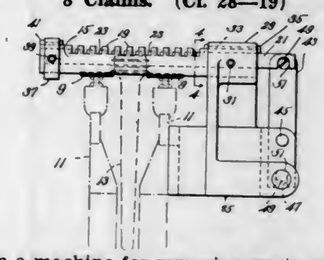
2,179,803
APPARATUS FOR PRODUCING BEAMS, COLUMNS, OR THE LIKE
Wilfred Sykes, Flossmoor, Ill., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application July 2, 1936, Serial No. 88,671
14 Claims. (Cl. 219—4)

1. Welding mechanism for welding together sidewise disposed separate elements comprising longitudinal series of individual electrodes for engaging said elements at opposite sides of the joint, means for yieldingly and individually pressing said electrodes against said elements,



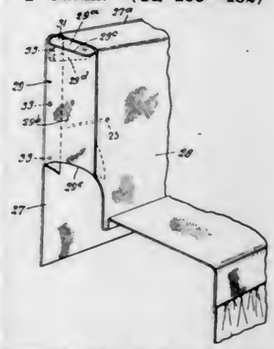
and means for supplying welding current to said electrodes.

2,179,804
YARN CUTTER FOR BOBBIN STRIPPERS
Edgar Allen Terrell, Charlotte, N. C., assignor to The Terrell Machine Company, Charlotte, N. C., a corporation of North Carolina
Application June 9, 1937, Serial No. 147,221
8 Claims. (Cl. 28—19)



1. In a machine for removing waste yarn from bobbins, in combination, stripping means, and a cutter to cut the ends of yarn trailing from the bobbins so as to obviate entanglement and resulting improper working, comprising a plurality of relatively moving members having mutually overlapping teeth provided with cutting edges extending at right angles to the direction of their relative movement.

2,179,805
FURNITURE SLIP COVER
Philip Trubitz, Chicago, Ill., assignor to Sam Pass, Chicago, Ill.
Application June 13, 1936, Serial No. 85,069
1 Claim. (Cl. 155—182)



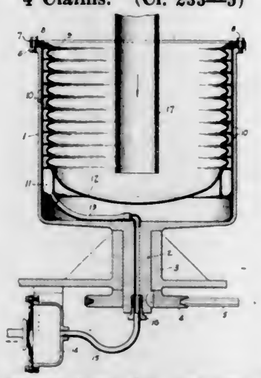
A slip cover for an article of furniture having arms and a back providing a space between the rear ends of said arms and back, said cover comprising front and rear cover panels for the back having lateral edges unsecured together and being of a width insufficient to enclose the shoulders and sides of the article back, and cover sections for each of said shoulders and lateral sides of the article back secured at one edge only to one of said panels and comprising an upper shoulder portion adapted to be folded downwardly into smoothly fitting relation with said shoulder and having a free lower edge, and a cooperating portion adapted to be folded substantially horizontally across the corresponding side of the article for attachment to the other panel and having an upper edge arranged to overlap said lower edge of said shoulder portion to secure the same in position, said cooperating portions being of such length vertically that the lower edges thereof can be tucked into said spaces between said back and the adjacent arms for retaining said portions in position.

2,179,806
MANUFACTURE OF HYDRATED SODIUM TETRASILICATE
Walter F. Wegst, Philadelphia, and John H. Wills, Brookhaven, Chester, Pa., assignors to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application November 18, 1936, Serial No. 111,556
9 Claims. (Cl. 23—110)

3. In the process of manufacturing crystalline silicates, the step which comprises seeding a sodium silicate solution, containing more SiO_2 than is represented by the molecular ratio of $1Na_2O$ to $2SiO_2$ and containing not substantially more than about 75 per cent of water, with crystals having a molecular ratio of Na_2O to SiO_2 of 1 to 4 and containing approximately 7 molecules of water.

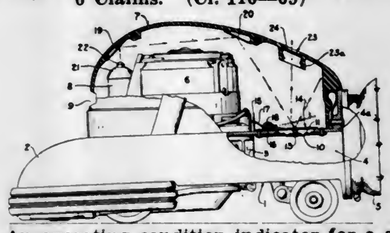
8. The process which comprises heating a sodium silicate solution containing SiO_2 in amount greater than that represented by the molecular ratio of $1Na_2O$ to $2SiO_2$ to temperatures ranging from about 60° to 90° C. under conditions of agitation for a time sufficient to grow crystals having a molecular ratio of Na_2O to SiO_2 of 1 to 4 and containing about 7 molecules of water.

2,179,807
CENTRIFUGAL VIBRATOR
Jes Asmussen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application February 9, 1938, Serial No. 189,563
4 Claims. (Cl. 233—5)



1. In a rotary bowl for classifying materials of different specific gravities, a flexible sleeve defining a series of riffles arranged transversely to the bowl axis, said sleeve being disposed inside said bowl and spaced therefrom, a fluid chamber between said riffles and the sides of the bowl, and means for changing the contour and width of the riffles by varying the fluid pressure in said chamber.

2,179,808
BAG PRESSURE INDICATING DEVICE FOR SUCTION CLEANERS
Quentin Berg, Akron, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 9, 1938, Serial No. 206,855
6 Claims. (Cl. 116—65)



1. An operating condition indicator for a suction cleaner, comprising a pressure-responsive element subject to pressure changes in the suction-creating system of said cleaner, a reflector mounted for angular adjustment on the body of the cleaner and having operative connection with said pressure-responsive element, an enclosure for said reflector having an aperture through which light reflected from said reflected from said reflector may be visible from above, and a source of light within said enclosure and adapted to have the light therefrom projected upon said reflector and thence through said aperture for certain angular positions of said reflector under predetermined pressure conditions in said suction system to indicate one condition of said cleaner, the arrangement of said aperture and the adjustability of said reflector being such that another condition of said cleaner is indicated when light reflected from said reflector fails to pass through said aperture.

2,179,809
CONDENSATION PRODUCTS
Wilhelm Bockemüller, Wurzburg, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 31, 1937, Serial No. 182,806. In Germany January 4, 1937
6 Claims. (Cl. 260—397)

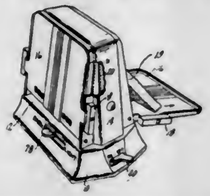
1. The process which comprises reacting upon a compound having a system of two reactive conjugated double bonds with 1-methyl-cyclopentene-(1)-one-(5) while heating.

2,179,810
FINELY DIVIDED MAGNETIC SUBSTANCE
Rudolf Brill and Karl Schoenemann, Heidelberg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application August 12, 1937, Serial No. 158,758. In Germany September 18, 1935
4 Claims. (Cl. 75—.5)

1. The process of producing magnetic sub-

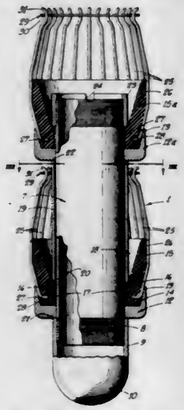
stances in finely divided form which comprises subjecting mixed crystals of at least one oxide of a magnetic metal and smaller amounts of at least one oxidic additional substance which is capable of forming mixed crystals with the said oxide and is more difficultly reducible than the said oxide, to such a reducing treatment as is sufficient for practically completely reducing the oxide of the magnetic metal, but insufficient for reducing the oxidic additional substance, and then mechanically comminuting the reduction product which contains the magnetic metal in reduced state.

2,179,811
TEMPERATURE RESPONSIVE CONTROL MECHANISM
Joseph E. Brosseau, West Chicago, Ill.
Application April 21, 1936, Serial No. 75,596
14 Claims. (Cl. 219—19)



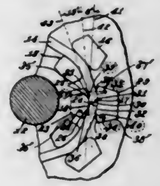
5. In an electrical appliance adapted to be operated at intervals in quick succession, in combination, a manually closable control switch for the apparatus, and timing means for operating said switch comprising first and second thermal responsive elements operable to open said switch, and a heater for actuating said elements, said heater encircling said first element and said second element being connected to said first element whereby said heater is operative to actuate the second element in retarded relation to the actuation of the first element to permit immediate reclosure of the control switch for the next cycle of operation and control by said timing means.

2,179,812
PLUG FOR USE IN CEMENTING WELLS
Ralph M. Calkins, Fullerton, Calif.
Application June 17, 1938, Serial No. 214,248
8 Claims. (Cl. 166—1)



1. In a plug for use in cementing wells through well casing, a body comprising a hollow tubular member formed of substantially non-frangible material capable of being drilled out by earth boring tools, means forming a barrier extending across said tube to prevent passage of fluids therethrough, and one or more molded rubber packing sleeves surrounding the body member, one end of each of the sleeves being fixed to the body member and the other end of the sleeve being free to expand radially under the influence of fluid pressure exerted on said plug whereby the normal resilience of the rubber material opposes expansion of the free end of said sleeve.

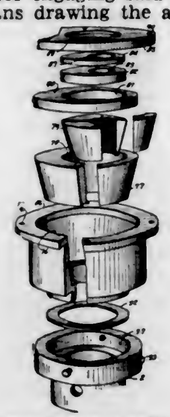
2,179,813
BELT SPLICE
Harry C. Clay, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application January 28, 1937, Serial No. 122,709
4 Claims. (Cl. 24—38)



2. For use with a belt, splicing means comprising a block adapted to be associated with the inner surfaces of the ends of the belt, said block being formed, upon its face engageable with the belt, with two plane surfaces respectively sloping inwardly from a median line of juncture, and with curved surfaces merging the remote edges of said sloping surfaces with the lateral faces of said block, a cooperating block adapted to be associated with the outer surfaces of the ends of the belt, said last-mentioned block being formed, upon its face engageable with the belt, with two plane surfaces respectively sloping inwardly from a median line of juncture, and with curved surfaces merging the remote edges of said sloping surfaces with the lateral faces of said last-mentioned block, means for clamping said first- and second-mentioned blocks against opposite faces of the belt with the sloping surfaces of said second block substantially parallel with the sloping surfaces of said first block, the ends of said belt being received and clamped between said sloping surfaces of the respective blocks, and means independent of said clamping means for holding said belt ends against movement with respect to said block surfaces.

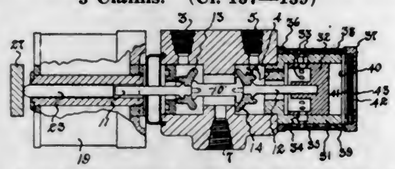
2,179,814
ADJUSTABLE TUBING HANGER AND STUFFING BOX SUPPORT
Billy F. Conaghan, Tonkawa, Okla.
Application May 25, 1938, Serial No. 209,962
10 Claims. (Cl. 166—14)

1. In a device of the character described, a supporting member having a central opening and an eccentric opening for passing a cylindrical member, an adjusting member in said eccentric opening and having a registering opening arranged with its axis offset with respect to said eccentric opening in the supporting member, slips carried in the opening of the adjusting member for engaging said cylindrical member, and means drawing the adjusting member



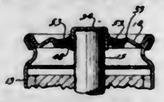
into sealing engagement with the supporting member including means for sealing said slips.

2,179,815
VALVE MECHANISM
Roscoe D. Conklin, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application August 19, 1938, Serial No. 225,688
5 Claims. (Cl. 137—139)



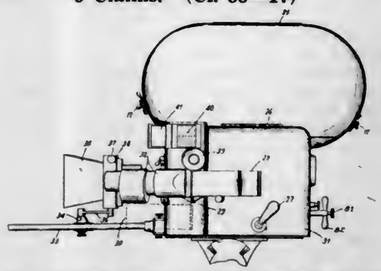
1. A valve structure comprising a casing having two compartments connected by a passage and each having a port to be connected to the device to be controlled and a port to connect it to the atmosphere, said casing having a port opening into said passage, a pair of valves arranged respectively to isolate one of said compartments from said passage while opening its atmospheric port and connecting the other compartment to said passage while closing its atmospheric port, electro-magnetic means for operating the valve to one of its positions, and pressure fluid means for operating the valve to the other of its positions.

2,179,816
CLOSURE FOR DRY CELLS
Price Drummond, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Original application November 30, 1932, Serial No. 645,008, now Patent No. 2,060,799, dated November 17, 1936. Divided and this application September 23, 1936, Serial No. 102,091
4 Claims. (Cl. 136—133)



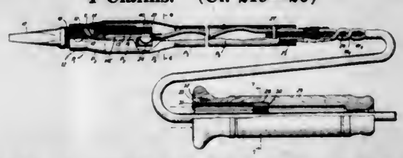
4. In a dry cell, an outer electrode comprising a metal can; a conductive annular top having an upwardly extending annular ridge separating said top into inner and outer marginal portions, the said top having the outer margin secured to said can; an inner electrode comprising a carbon rod and a conductive cap thereon within said can and spaced inwardly from the inner margin of said top; a preformed rigid dielectric member having its outer margin forming a compression joint with the upper surface of said inner marginal portion of said top adjacent said ridge, and having the inner margin thereof forming a compression joint with the outer surface of said cap; the said inner marginal portion of the conductive top defining an annular recess surrounding said inner electrode and housing said dielectric member.

2,179,817
CAMERA BLIMP
William Eglinton, Reseda, and Harry G. Cunningham, Los Angeles, Calif., assignors to R. K. O. Studios, Inc., a corporation of Delaware
Application March 31, 1936, Serial No. 71,864
5 Claims. (Cl. 88—17)



1. In a camera blimp having sound-proof walls, an upper portion of said blimp adapted to house a plurality of film reels and the driving means therefor, a door in said portion adapted to provide access to said driving means, a second door in said portion adapted to provide access to said reels, a second lower portion of said blimp housing said camera, said second portion having a door providing access to said camera, said door of said second portion being hinged to said second door of said first-mentioned portion, and a third portion of said blimp housing a motor for said camera, said third portion having a door therein adapted to permit removal of said motor.

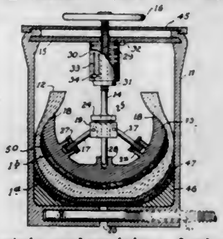
2,179,818
ELECTRICALLY HEATED TOOL
Leon N. Hampton, New York, N. Y., and Amos H. Shangle, Roselle, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 10, 1937, Serial No. 130,022
4 Claims. (Cl. 219—26)



1. An electrically heated soldering tool comprising a tubular support, a bushing mounted in said support in concentric relation therewith, means for securing said bushing in said support, said means comprising a plurality of key members engaging holes in said support and welded to said bushing, a core and a heat-applying tip

engaging said bushing in end-to-end abutting relation therein and a heater element cemented to said core and said bushing to form a block of heat-conducting material for heating said tip.

2,179,819
ELECTRIC VULCANIZING DEVICE
Albert Hoving, Calgary, Alberta, Canada
Application December 23, 1936, Serial No. 117,302
In Canada January 13, 1936
1 Claim. (Cl. 219—19)



In an electric vulcanizing device of the type described, an electrically heated flexible pad element having tributary element branches, said branches containing flexible electric heat producing conductor wires for placement on the outer and inner or obverse faces of tires, tubes, or other articles to be vulcanized, means for fireproofing and insulating said conductor wires to withstand pressure, means for directing electric current individually to the wires of certain of the said branches to produce the necessary heat in any particular area of the article to be treated, and flexible jointed pressure resisting sheathing encasing said fireproofed and insulated conductor wires, all in combination.

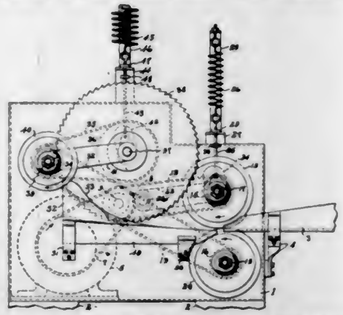
2,179,820
METALLIC STRUCTURE
James B. Hunter, Quincy, Mass., assignor to Bethlehem Shipbuilding Corporation, Ltd., a corporation of Delaware
Application November 19, 1936, Serial No. 111,575
4 Claims. (Cl. 189—34)



1. A panel structure comprising a pair of spaced sheets and a boundary member having a plurality of legs, one of said sheets having the portion adjacent its marginal edge bent outwardly from the other sheet and secured to the outer face of one leg of the boundary member, and the other of said sheets having a portion thereof extending partially across the outer face of the other leg of said boundary member and secured thereto.

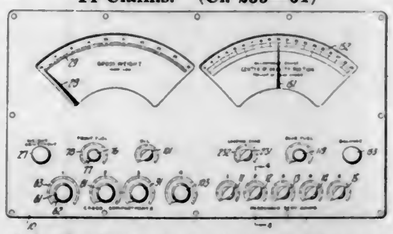
2,179,821
FISH-RIBBING MACHINE AND METHOD
William H. Hunt, National City, Calif., assignor to Fish Machinery Corporation, San Diego, Calif., a corporation of California
Application January 3, 1936, Serial No. 57,340
31 Claims. (Cl. 17—3)

1. A method of filleting fish which comprises advancing a fish in the direction of its length, making a pair of parallel incisions from end to end on both sides of the backbone and on opposite sides of the back and belly spikes, which



incisions are formed right up to the backbone, and scraping the flesh from the ribs while advancing the fish by engagement with its backbone.

2,179,822
BALANCE COMPUTER
Lewis W. Imm, Inglewood, Calif.
Application April 17, 1937, Serial No. 137,577
14 Claims. (Cl. 235—61)



1. A load center computer comprising suitable weight registering means, multiplying means operable by said weight registering means to compute the moment exerted by the registered weight about a predetermined point, and mechanism controlled jointly by said weight registering means and said multiplying means for quantitatively indicating displacement of the load center.

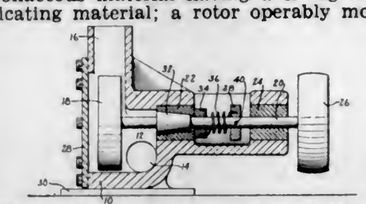
2,179,823
PRODUCTION OF ALKALINE EARTH METALS
Frank R. Kemmer, Larchmont, N. Y.
No Drawing. Application December 30, 1938, Serial No. 248,521
11 Claims. (Cl. 75—67)

5. The process of producing an alkaline earth metal which comprises forming a mixture of aluminum and a finely divided material bearing an oxide of the alkaline earth metal, heating the mixture to a temperature above the melting point of the aluminum and below the boiling point of the alkaline earth metal, evacuating the heated mixture, admitting an inert gas to the evacuated mixture, so as to force molten aluminum into intimate association with the said material, and then heating the mixture to the temperature of volatilization of the alkaline earth metal and distilling the said metal.

2,179,824
FLUID MOVING MACHINE
Henry E. Kip, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 27, 1935, Serial No. 13,202
7 Claims. (Cl. 308—36.2)

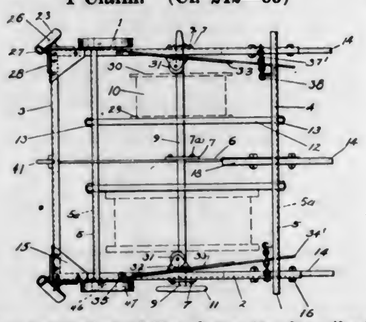
1. In a machine having a casing with a wall

separating different fluids of which one is a liquid; a plurality of bearings mounted on said casing of which one is secured in a suitable opening in said wall; said bearings being of a solid carbonaceous material having a filling of solid lubricating material; a rotor operably mounted



in said bearings; the bearing surface of the bearing in said wall in contact with the bearing surface of said rotor being larger at the end adjacent said liquid; and a resilient thrust bearing for maintaining said bearing surfaces in fluid sealing relation.

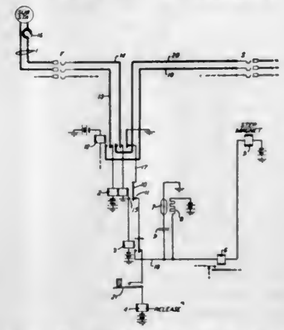
2,179,825
WIRE REEL SUPPORT, RACK, OR STAND
Fred O. Lewis, Dayton, Ohio
Application November 9, 1936, Serial No. 109,925
1 Claim. (Cl. 242—85)



In an apparatus of the character described, the combination of a vehicle; a wire reel supporting frame detachably mounted to the vehicle; hangers carried by said frame; a removable reel shaft supported by said hangers; wire reels rotatably mounted on said shaft; parallel friction rods each adjacent to and coacting with one side of each wire reel; resilient brake members pivoted on said frame each coacting with the side of a wire reel opposite to the side of the wire reel which coacts with the friction rod; and means to maintain said brake members against one side of said wire reels, said means comprising a chain passing through an opening in each of said brake members, a link of each chain coacting with the side of each brake member adjacent to each of said openings, to maintain each of said brake members in engagement with the side of the wire reel adjacent thereto and to maintain the opposite side of said wire reel in engagement with one of the friction rods.

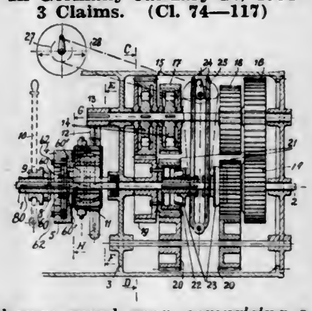
2,179,826
PROTECTIVE DEVICE
David T. May, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1938, Serial No. 200,623
7 Claims. (Cl. 175—294)

1. In combination, a circuit having a source of current and an inductive element therein, relay contacts for closing said circuit to permit current to flow from said source through said inductive element, a resistor having a pronounced temperature coefficient of resistance connected



in parallel to said relay contacts, a heating coil for said resistor, and a circuit for said coil closed through said relay contacts.

2,179,827
CHANGE-SPEED GEAR
William Meller, Budapest, Hungary
Application March 5, 1935, Serial No. 9,370
In Germany January 12, 1934
3 Claims. (Cl. 74—117)

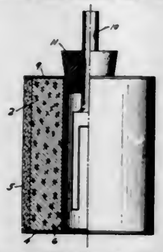


1. A change-speed gear, comprising a driving shaft, a driven shaft, a drive of a crank type set in rotation by the driving shaft, means for regulating the throw of the crank-type drive, at least two rock shafts, rocking members mounted fast, one on each rock shaft, two transmitting wheels mounted loose upon each rock shaft, two ratchet mechanisms adapted to communicate rotary motion from each rock shaft to the transmission wheels, one of these ratchet mechanisms rotating one of the said wheels when the shaft is oscillating in one direction and the other ratchet mechanism rotating the other wheel when the rock shaft is oscillating in the other direction, and engageable and disengageable coupling means for communicating rotary motion from the said wheels to the driven shaft.

2,179,828
DISPLAY DEVICE
Arthur D. Park, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application February 19, 1938, Serial No. 191,521
5 Claims. (Cl. 35—19)

1. In a display device for demonstrating the efficiency of a sound absorbing material, the combination of sound absorbing material forming a sound resonant chamber, sound reflecting ma-

terial forming a second sound resonant chamber, and a tuning fork, said resonant chambers adapted to be exposed successively to sound vibrations



created by the actuations of said tuning fork whereby the relative difference of sound absorption by the materials forming such chambers may be demonstrated.

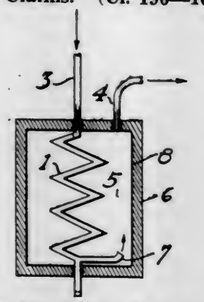
2,179,829

PRODUCTION OF LIQUID HYDROCARBONS

Mathias Pier, Heidelberg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application September 19, 1936, Serial No. 101,590. Renewed August 12, 1938. In Germany September 21, 1935.

5 Claims. (Cl. 196—10)



1. A process for the production of liquid hydrocarbons which comprises heating a normally gaseous paraffin hydrocarbon in a tubular space to a temperature above 500° C., the said gaseous hydrocarbon thereby being at least partly dehydrogenated, and then subjecting the dehydrogenated hydrocarbon to polymerization by passing the gas formed by the said heat-treatment through a space surrounding the said tubular space and which is maintained at an elevated temperature at least about 20° C. lower than the temperature in the latter space.

2,179,830

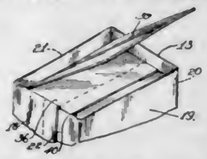
CARTON

Wayne Pfundstein and Odell Wilson, Chicago, Ill.

Application October 26, 1938, Serial No. 236,994

2 Claims. (Cl. 229—37)

1. A carton formed of a single blank composing a body portion having spaced longitudinal scores to form the sidewalls of the carton, one of the side walls formed by overlapping opposite edges of the body member, a rib portion formed by a pair of spaced lateral scores adjacent one end of the body member, said rib portion folded so as to contact the side walls on the inside of the carton, that portion of the rib on the top portion of the overlapping side wall being folded under the portion of the rib on the bottom portion of the underlapping side wall so as to provide a sealed leak proof connection, said overlapping portions of the side walls held



together by adhesive means, and a closure portion divided into a plurality of flaps by spaced longitudinal slits, said flaps adapted to fold inwardly to form a closed end for said carton.

2,179,831

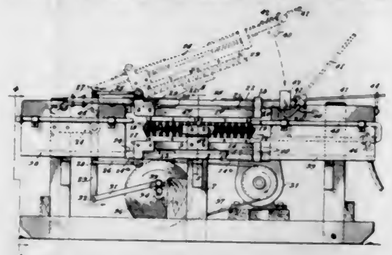
HOSE WASHING MACHINE

Kenneth G. Sedgwick, Cavour, Wis.; dedicated to the free use of the People of the United States of America

Application June 14, 1938, Serial No. 213,591

4 Claims. (Cl. 15—88)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A hose washing machine comprising upper and lower sets of brushes slidably mounted on horizontal bars, one of said bars being rigidly secured to the frame of the machine and the other bar being hingedly mounted on the frame of the machine directly above the rigidly secured bar, each of said sets of brushes consisting of horizontally and vertically disposed brushes, and means for oppositely reciprocating said sets of brushes.

2,179,832

METHOD FOR ORIENTING DRILL STEMS

George A. Smith, Philadelphia, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware

Application October 26, 1938, Serial No. 236,996

10 Claims. (Cl. 255—1)

1. The method of effecting directional drilling of a bore hole comprising determining the slope and direction of slope of a bore hole adjacent the bottom thereof, lowering into the bore hole a hollow drill stem the lower end of which carries a drilling tool and is deflected at a known angle with respect to the major portion of the stem, locating said tool substantially above the bottom of the hole, lowering within the drill stem a magnetic well surveying instrument, containing a compass and means for indicating slope, to a position wherein the instrument extends in the direction of the lower deflected end of the drill stem and projects beyond the tool to carry the compass within the instrument beyond the magnetic influence of the tool, producing a record of the inclination and direction of inclination of said instrument, removing the instrument from the drill stem, determining the slope and direction of slope of the deflected end of the drill stem,



turning the drill stem to locate its deflected end in a desired direction, and lowering the tool to the bottom of the hole and drilling therewith.

2,179,833

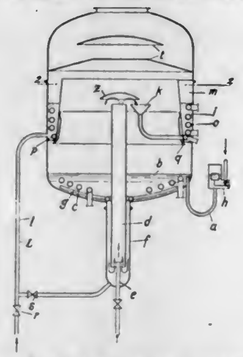
DISTILLATION OF LIQUIDS HAVING RELATIVELY HIGH BOILING POINTS

Karl Sondermann, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

Application September 10, 1936, Serial No. 100,117

In Germany September 30, 1935

9 Claims. (Cl. 202—46)



1. The method of distilling liquids having relatively high boiling points including fatty acids and glycerine which comprises establishing a body of liquid to be distilled in a suitable vessel, heating said body of liquid to distillation temperatures, subjecting said liquid to agitation and vertical circulation, establishing a second body of liquid within said vessel from a portion of said agitated and vertically circulated liquid, subjecting said second body of liquid to heat to finish the distillation thereof, collecting vapors from both bodies of liquid in a common vapor space, and withdrawing distillation residues from said second body of liquid.

2,179,834

NEEDLE-THREADING DEVICE

Leighton Homer Surbeck, New York, N. Y.

Application November 19, 1938, Serial No. 241,349

11 Claims. (Cl. 223—99)

1. A needle-threading device which comprises a hollow body and air compression means arranged to discharge air under pressure into said hollow body, said hollow body having a first opening appropriate for approximate registration with a needle's eye and a second and substantially larger opening through which the end of a thread can be inserted into said hollow



body, said device being arranged so that the end of a thread inserted through said second opening can be carried from within said hollow body outwardly through said first opening by a current of air forced outwardly through said first opening by discharging air into said hollow body from said air compression means when said second opening is closed.

2,179,835

STEP-BY-STEP LEAD PENCIL

Hugh A. Ward, New York, N. Y.

Application July 2, 1938, Serial No. 217,112

9 Claims. (Cl. 120—17)



1. In a step-by-step pencil, a casing and tip; a magazine member and slotted lead guide tube connected therewith, said guide tube being provided at its outer end with releasable jaws and being capable of movement with respect to said tip; said tip being adapted to force said jaws into gripping position when said parts are in writing position; gripper means slidably mounted on said guide tube for propelling said lead towards said tip; and sleeve means capable of movement with respect to both said guide tube and said tip, for operating said gripper means.

2,179,836

HARD FACING ALLOY

Allen E. Wisler and Henry B. Woods, Houston, Tex., assignors to Hughes Tool Company, Houston, Tex., a corporation of Delaware

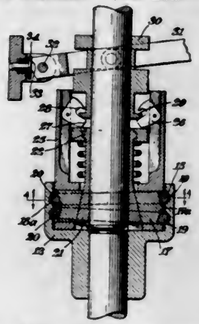
No Drawing. Application September 27, 1937, Serial No. 165,894

2 Claims. (Cl. 75—136)

1. An alloy of elements fused together approximately as follows:

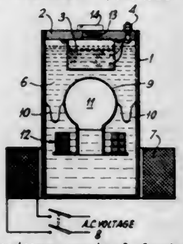
	Per cent
Molybdenum	87
Boron	4
Chromium	6
Carbon	3

2,179,837
CLUTCH
John Wolkoff, Newark, N. J.
Application June 23, 1938, Serial No. 215,329
10 Claims. (Cl. 192—76)



1. A device of the character described comprising a hollow cylindrical member having a pair of annular grooves in its inner periphery, a rotatable head coaxial with and surrounded by said cylindrical member, two opposed radial channels in said rotatable head, a slidable block in each channel, wedges movable axially of said rotatable head to effect radial movement of said blocks, and a pair of contact members movable by each block into said grooves, one block and its associated contact members having co-operating surfaces tending to push apart said contact members on outward movement thereof and the other block and its associated contact members having co-operating surfaces tending to push together said contact members upon outward movement thereof.

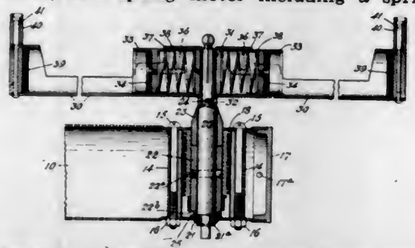
2,179,838
TEMPERATURE CONTROL DEVICE
Lloyd L. Young, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1938, Serial No. 204,918
12 Claims. (Cl. 219—38)



1. A temperature control device comprising an insulating casing, a coil surrounding said casing, a liquid whose temperature is maintained constant within said casing, a floating element in said liquid, a ring-like metallic member secured to said floating element, and means for passing an alternating current through said coil whereby eddy currents set up by said ring-like member heat said liquid to a desired constant temperature.

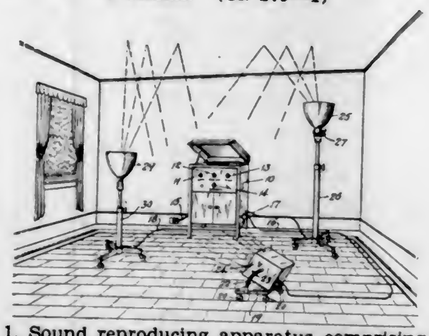
2,179,839
THERMOMETER SHAKER
Timothy C. Brosnan, San Francisco, Calif., assignor to Becton Dickinson & Co., Rutherford, N. J., a corporation of New Jersey
Application February 8, 1937, Serial No. 124,724
19 Claims. (Cl. 73—373)

8. A device for shaking down clinical thermometers comprising a balanced rotor having a plurality of thermometer-receiving receptacles, each of which is adapted to hold a plurality of thermometers, means associated with each of said receptacles to prevent displacement of thermometers disposed therein, a support adapted to be attached by a physical connection to part of a room or its furnishings, an axial member mounted on said support and revolvably supporting the said rotor, a spring motor surrounding said axial member, said spring motor including a spring



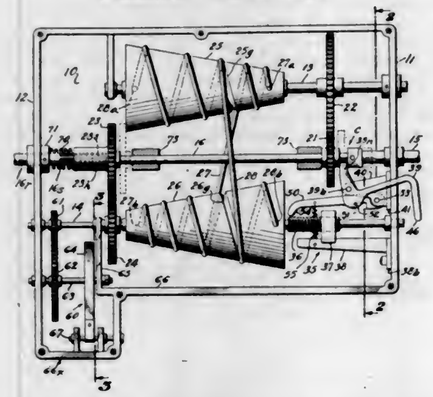
clutch for operatively associating said axial member in operative relation with said motor and adapted to enable said spring motor to be wound while the rotor is rotating in one direction and to enable said spring motor to drive said rotor when the rotor is released, said spring clutch being also adapted to grip said axial member and to function as a friction brake against rotational movement of said axial member when the spring motor has ceased driving said rotor to bring said rotor to a cushion stop without idling.

2,179,840
LOUDSPEAKER ARRANGEMENT
Gustav Bucky, New York, N. Y., assignor of one-half to Frida Bucky, one-fourth to Peter A. Bucky, and one-fourth to Thomas Lee Bucky, all of New York, N. Y.
Application May 3, 1938, Serial No. 205,699
7 Claims. (Cl. 179—1)



1. Sound reproducing apparatus comprising a cabinet, a sound reproducing unit housed therein, a plurality of amplifier and filter circuits in the output of said sound reproducing unit, one for each of a plurality of selectively disintegrated frequencies of sound waves, a plurality of loudspeakers, one for each of said selected frequencies, and means for individually and selectively controlling the volume of sound emitted from each of said loudspeakers, whereby the selected frequencies are re-integrated throughout an audition chamber, depending upon the acoustical characteristics thereof and the effect as to volume of any of the component frequencies desired by the auditor.

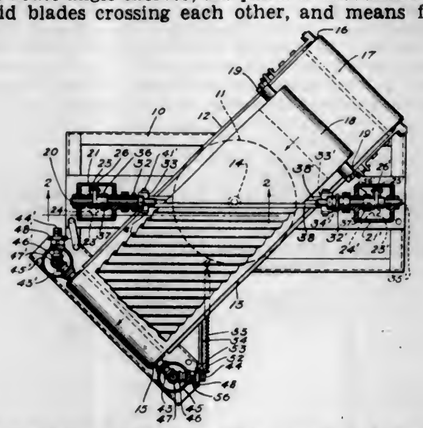
2,179,841
POWER TRANSMISSION
Roy E. Cassidy, Los Angeles, Calif.
Application April 3, 1939, Serial No. 265,682
5 Claims. (Cl. 192—3.5)



1. In a power transmission mechanism, a main transmission shaft consisting of a rear section alined with and disconnectible from a front section, two countershafts one on each side of said transmission shaft in a parallel spaced relation thereto, two front gears for driving one of said countershafts from the front section of said transmission shaft, each of said countershafts having axially attached to it a tapered pulley, one of said pulleys tapering in the reverse direction to the other, flexible means connecting said pulleys, one of said countershafts being primary and the other secondary as to power transmission, said flexible means being arranged to permit initial relatively fast rotation of said primary countershaft in relation to said secondary countershaft and to progressively speed up the rotation of said secondary countershaft, two rear gears for driving the said rear section of said transmission shaft from said secondary countershaft, and gear shift means adapted simultaneously to disconnect the rear section of said transmission shaft from its front section thus placing said two front gears into mesh with each other and also placing said rear gears into mesh with each other, said gear shift means being also arranged to perform a connecting operation between said two shaft sections simutaneously with a disconnecting operation between said front gears and between said rear gears, and a spring means which, upon said shaft connecting operation taking place, automatically restores said countershafts and their pulleys to their original positions.

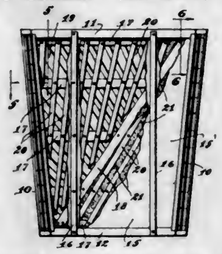
2,179,842
METHOD OF AND APPARATUS FOR FORMING SHEET MATERIAL
Arthur E. Collins, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 7, 1937, Serial No. 141,286
20 Claims. (Cl. 154—30)

6. Apparatus for forming pleated sheet material, said apparatus comprising a movable conveyor, a pair of blades adapted to press a sheet of plastic material against said conveyor, means for intermittently moving one of the blades toward and from the conveyor in a direction at an acute angle thereto and for alternately moving the other blade toward and from the conveyor at an acute angle thereto, the paths of movement of said blades crossing each other, and means for



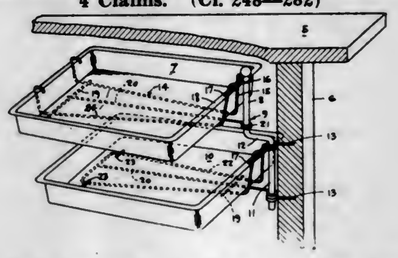
intermittently advancing the conveyor between the cycles of the blade movements.

2,179,843
COLLAPSIBLE CASE
Walter M. Copeland, Lexington, Mass.
Application December 24, 1938, Serial No. 247,555
5 Claims. (Cl. 6—1)



1. An improved collapsible case for winterizing bee hives comprising demountable side members and removable top, the said sides comprising an outer key-stone shaped frame having mitered corner posts, the top of said frame being at the larger end of said case, means for internally locking the corners of said side members.

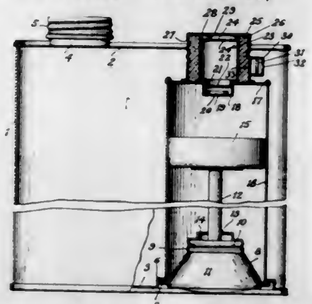
2,179,844
PACKAGE AND ARTICLE CARRIER
Sanford Erlanger and David E. Anderson, Los Angeles, Calif.
Application December 13, 1937, Serial No. 179,482
4 Claims. (Cl. 248—282)



1. In a device of the character described, a tray comprising a flat member having a rim at

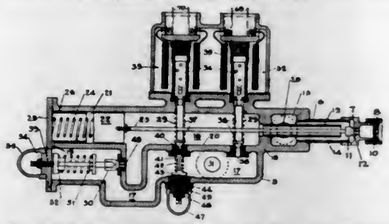
the edge thereof, a hinge post, means to mount said hinge post in a vertical position, a wire turned around the upper end of said post and extending through an opening in said rim, the reach of said wire extending under said member, and a portion of said wire being secured to the opposite side of said tray from said opening.

2,179,845
SPRAYING DEVICE
John Fitch, New York, N. Y., assignor to Standard Container, Inc., Bloomfield, N. J., a corporation of New Jersey
Application January 20, 1938, Serial No. 185,808
7 Claims. (Cl. 299—88)



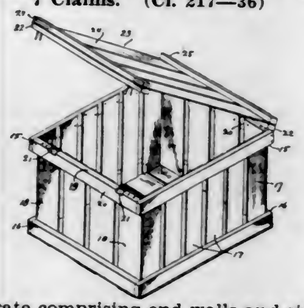
1. A can for containing a liquid adapted to be sprayed, a sprayer located within and surrounded by the body of the can, said sprayer including a cylinder having one end secured at the bottom of the can and its other end located adjacent to the top of the can, closure means for the upper end of the cylinder, said closure means including a chamber containing an absorbent material saturated with liquid from the contents of the can, a tubular member communicating with the cylinder and provided with an air blast opening, said tubular member being disposed within the chamber, the chamber having a spray opening disaligned with the air blast opening.

2,179,846
FLUID FUEL CONTROL MEANS FOR OIL BURNERS
Lawrence L. Finnigan, Seattle, Wash.
Application February 23, 1937, Serial No. 126,989
6 Claims. (Cl. 158—36)



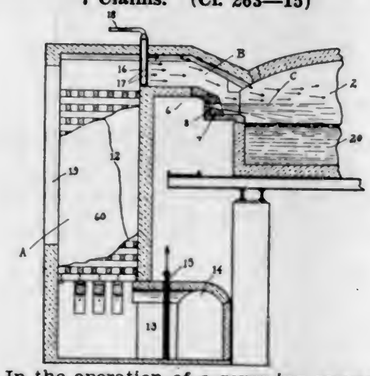
1. In fluid fuel control means for an oil burner of the oil circulating type, a housing having an oil pressure chamber therein; oil pressure supply means communicating with said oil pressure chamber; oil burner nozzle means connected with said oil pressure chamber; an oil by-pass port providing an outlet from said oil pressure chamber; a resiliently supported pressure operated relief valve closing said oil by-pass port and adapted to be opened by a predetermined pressure in said oil pressure chamber; a by-pass control valve positioned to open and close said oil by-pass port; another oil by-pass port providing another outlet from said oil pressure chamber; a resiliently supported pressure operated relief valve positioned to close said last mentioned by-pass port and adapted to be opened by a predetermined pressure in said oil pressure chamber, said last mentioned relief valve being opened by a higher pressure than said first mentioned relief valve after said by-pass control valve has been closed; and pressure actuated means actuated by a lower pressure than said relief valves controlling the discharge of oil from said oil pressure chamber through said oil burner nozzle, whereby discharge of oil from said nozzle may be prevented while a circulation of oil through said chamber is being maintained.

2,179,847
CRATE
Richard H. Fletcher, Hamburg, N. Y.
Application June 16, 1938, Serial No. 214,095
7 Claims. (Cl. 217—36)



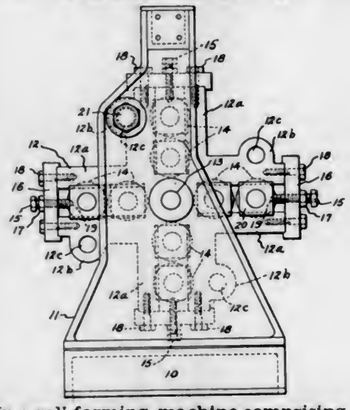
1. A crate comprising end walls and side walls, a bottom for the crate, a cover for the crate, one of the end walls being formed in its top edge surface with prying recesses accessible from the outside of the crate, a stop at the inner end of each of the recesses and forming a fixed part of the inner wall of the crate, whereby the cover may be conveniently pried loose from the ends without injury to the contents by the prying tool.

2,179,848
GLASS FURNACE AND METHOD OF OPERATION
Samuel A. Forter, Avalon, Pa., assignor to Forter-Teichmann Company, a corporation of Pennsylvania
Application February 17, 1939, Serial No. 256,899
7 Claims. (Cl. 263—15)



1. In the operation of a reversing regenerator furnace that includes a plurality of ports on each of the two sides of the furnace and a corresponding plurality of regenerator units, means for withdrawing the regenerator units severally from service, and means for conveying an auxiliary stream of the gaseous material normally passing through the regenerator units on the intake side of the furnace, the method herein described of maintaining continuity of furnace operation while withdrawing one or another regenerator unit from service which consists in establishing flow from the auxiliary conveying means through one of the ports while the associate regenerator unit is withdrawn from service.

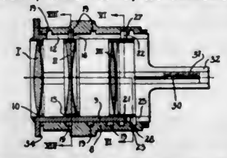
2,179,849
TURRET TYPE ROLL FORMING-MACHINE
Jonathan Roy Freeze, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application March 14, 1938, Serial No. 195,830
4 Claims. (Cl. 153—77)



1. In a roll forming-machine comprising a base, a pair of standards on said base, a pair of spiders coaxially and rotatably mounted, respectively, on said standards, and means for locking said spiders in any one of a number of positions; pairs of forming rolls rotatably mounted between the respective arms of said spiders, a gear mounted coaxially with said spiders, gears in driving relation with the several rolls, the gears of each pair of rolls being in intermeshing relation, and the gears of the respective inner rolls being in intermeshing relation with said coaxially mounted gear, and driving means for said last named gear.

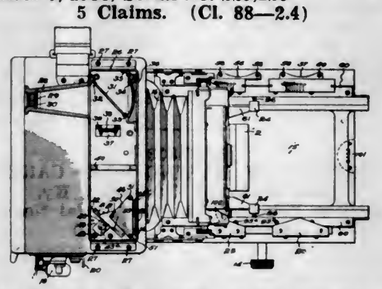
2,179,850
OPTICAL SYSTEM FOR MEASURING CHANGES IN MAGNIFICATION
Anna Estelle Glancy, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 17, 1937, Serial No. 131,352
5 Claims. (Cl. 88—1)

5. A device of the character described, comprising a lens system composed of three aligned lens elements of controlled thickness values, the two outer lens elements being of plus power and the intermediate lens element of a minus power, said lenses having optical characteristics which, when the said lenses are in a given related relationship, the system will have substantially no reciprocal magnification and substantially zero power, at least one of said outer lenses of the system being held stationary and in controlled spaced relationship with the other outer lens of said system, said intermediate lens mounted for movement in a direction axial of said lens system toward one or the other of said outer lenses, the said lenses of said optical system having such optical characteristics that when said intermediate lens is moved toward one of the outer lenses, the system will have, at given adjusted positions, different minus reciprocal magnification with substantially little, if any, introduction of focal power, and when moved toward the other outer lens of the system, will have, at different adjusted



positions, a given plus reciprocal magnification with the introduction of little, if any, focal power, linear scale means coacting with said intermediate adjustable lens of the system for determining both the plus and minus reciprocal magnification values at given adjusted positions of said intermediate lens and said assembled device embodying means for compensating for any change of focal power introduced in the system by the movement of said intermediate lens, whereby only the true reciprocal magnification value is given at different adjusted positions of said intermediate lens.

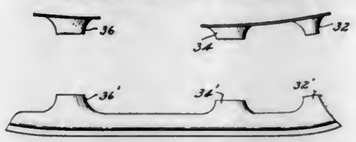
2,179,851
COMBINATION RANGE AND VIEW FINDER
Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application July 23, 1937, Serial No. 155,259, now Patent No. 2,167,435, dated July 25, 1939. Divided and this application September 9, 1938, Serial No. 229,120
5 Claims. (Cl. 88—2.4)



1. In a range and view finder secured to a camera having a movable objective lens, for the purpose of determining the position of the said objective lens, so that it shall focus on the plate or film of the camera, objects at varying distances from the said objective lens; a fixed combined viewing and range finding lens of such size and so mounted that the exact image of the subject being photographed by the camera is seen through said range finding lens while the range finder adjusting operation is taking place, said range and view finder including two mirrors only, one of said mirrors being fixed and the other of said mirrors being adjustable as to the angle thereof with respect to said first mirror; said two mirrors being respectively a semi-transparent mirror and a first surface mirror; an eye-piece lens

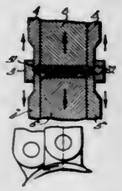
mounted in the camera in the rear of and in a right line with said semi-transparent mirror and said fixed combined viewing and range finding lens, said last mentioned lens being mounted in the camera in front of said fixed mirror; said adjustable first surface mirror being pivoted in the camera and having a small toothed member rigid therewith and in close proximity to the pivot of said adjustable mirror so as to present a compact assemblage; a rod or shaft **45** mounted in the camera in close proximity to said adjustable mirror and having a pinion **44** directly meshing with said toothed member for adjusting said first surface mirror; and means directly attached to said shaft **45** and also to a part of the camera that is moved in focusing the objective lens.

2,179,852
SKATE AND PROCESS OF MAKING SAME
Arthur Hirschman, Detroit, Mich.
Application April 26, 1937, Serial No. 138,946
11 Claims. (Cl. 29—148)



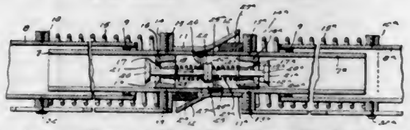
2. The process of making a skate structure which comprises taking three flat metal elements corresponding in size to the heel plate, sole plate and runner support of a skate structure, subjecting said metal elements to die stamping operations to form tubular bosses which project from one side of each of said elements, folding the element corresponding to the runner support lengthwise upon itself to position the opposite marginal edges in close parallel relationship, bringing the projecting tubular bosses of the heel and sole plate elements into abutting engagement with the correspondingly projecting tubular bosses on said runner supporting element, welding the tubular bosses of the heel and sole plate elements to the tubular sections of the runner supporting element at their point of juncture, inserting a blade between the parallel marginal edges of the runner supporting element, and welding the said marginal edges to the opposite sides of the blade.

2,179,853
METHOD OF MAKING SOAP CAKES
Ruel A. Jones, Covington, Ky.
Application February 20, 1936, Serial No. 64,927
10 Claims. (Cl. 18—48)



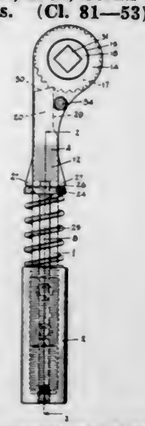
7. The method of pressing a buoyant cake of soap containing an air cell from a tubular blank of soap having open ends, said method comprising, confining two relatively opposite side portions and the ends of the blank and pressing the remaining unconfined side portions towards one another at each end only to close the openings and form a sealed air cell in the cake.

2,179,854
COUPLING UNIT
Arthur Latham and Aud Swan, Bernie, Mo.
Application September 19, 1938, Serial No. 230,736
3 Claims. (Cl. 284—11)



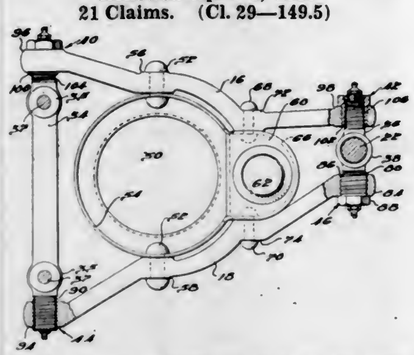
1. A coupling of the class described, comprising, a pair of like opposed units each having outer and inner tubes, said outer tubes each having a front end and a rear end adapted for connection to an air pipe line, said inner tubes slidably mounted within said outer tubes and provided with rear ends terminating within said outer tubes and with front ends having gasketed faces for engagement with each other to effect a seal when said units are connected together, collars secured on said inner tubes forwardly of the front ends of said outer tubes, hangers connected to said outer tubes rearwardly of the front ends thereof, coil springs sleeved about said tubes and engaging said collars and hangers for urging said inner tubes out of said outer tubes, gaskets mounted within said outer tubes adjacent the front ends thereof and slidably receiving said inner tubes whereby to effect a seal between said outer and inner tubes respectively, and spring pressed valves mounted within said inner tubes and equipped with outwardly extending stems adapted for engagement with each other to maintain said valves in open positions when said units are in said connected condition and said valves operable to closed positions upon disengagement of said stems from each other when said units are in disconnected relation.

2,179,855
AUTOMATIC PRESSURE RELEASE RATCHET WRENCH
Charles A. Latimer, Toledo, Ohio
Application May 25, 1938, Serial No. 210,017
5 Claims. (Cl. 81—53)



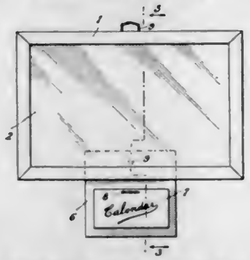
1. In an automatic pressure-release wrench, a toothed ratchet wheel, means for connecting the ratchet to a rotatable element, a shank for rotatably supporting the ratchet, a dog for engaging the teeth of the ratchet, the shank having a slot, a pivot pin located in the slot for pivotally supporting the dog, a spring for yieldingly pressing the dog along the slot and to one end of the slot and resisting pivotal movements of the dog about the said pin, and means located on the shank for preventing tilting movements and longitudinal movements each in one direction.

2,179,856
THREADED BEARING AND METHOD OF MAKING THE SAME
John W. Leighton, Port Huron, Mich.
Application March 20, 1936, Serial No. 69,785
Renewed April 3, 1939
21 Claims. (Cl. 29—149.5)



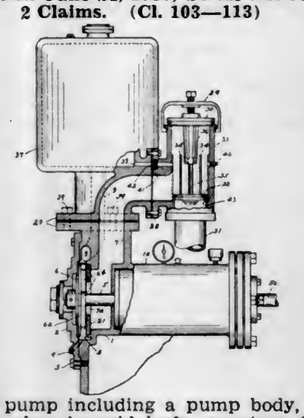
1. The method of assembling an inner member having an external threading surface, an outer member having an internal threading surface, and an intermediate member disposed to be threaded into said outer member and onto said inner member, said intermediate member having external and internal threading surfaces for cooperation respectively with said surfaces of said inner and outer members, which includes initially threading all but one of said surfaces with threads of similar lead, and threading the remaining surface by the threads in the cooperating surface during the assembly operation.

2,179,857
COMBINED PICTURE AND CALENDAR
Fred Lowenthal, Brooklyn, N. Y.
Application May 11, 1938, Serial No. 207,239
1 Claim. (Cl. 40—107)



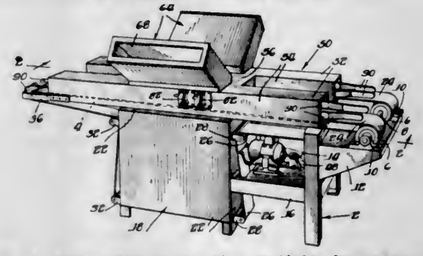
A picture having a face sheet and a backing sheet disposed behind the same, a calendar smaller than said backing sheet pivotally attached to the backing sheet and normally covered and concealed by said backing sheet, said calendar having a plurality of sheets attached to its front face, said sheets being interposed between the backing sheet and calendar and thereby protected when the calendar is wholly located behind the backing sheet, the pivotal mounting for said calendar being secured to the backing sheet and concealed by the face sheet, said mounting enabling the calendar to be swung on its pivot to cause that portion of the calendar which bears the sheets to be projected beyond one end of the picture and the sheets exposed.

2,179,858
ROTARY PUMP
Daniel Murphy, New Castle, Pa.
Application June 24, 1937, Serial No. 150,017
2 Claims. (Cl. 103—113)



1. In a pump including a pump body, an impeller chamber in said body, a rotary impeller in said chamber, an inlet passage leading to the chamber, an outlet passage leading from the chamber, and a check-valve unit including an inlet and an outlet, a check-valve in the line of flow between such inlet and outlet, a by-pass opening into said check-valve unit above the check-valve therein; and a removable closure arranged to give access to said by-pass for cleaning while the pump is in operation; the improvement herein described in the above-defined organization that consists in a detachable member interconnecting the pump and the check-valve unit, said member including a passageway connecting said inlet passage of the pump to said outlet of the check-valve unit, said member including a passageway leading from said outlet passage to the pump, and a passage leading from the by-pass from the check-valve chamber to said last-mentioned passageway.

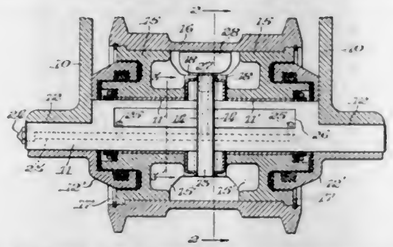
2,179,859
X-RAY INSPECTION APPARATUS
Everett W. Page, River Forest, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application June 14, 1937, Serial No. 148,131
19 Claims. (Cl. 250—52)



1. A device for inspecting articles by means of X-rays, which comprises means providing an inspection chamber into which articles to be in-

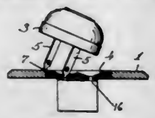
spected are presented between a source of X-rays and a fluoroscopic screen, means for preventing the escape of X-rays from said chamber, means for viewing the fluorescent images of said articles, means for ejecting articles differing from a predetermined standard out of said inspection chamber in one direction and means for conveying articles of the predetermined standard out of the chamber in another direction.

2,179,860
TRACK ROLLER
Norman O. Panzegrau and Samuel T. Hoener, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application July 3, 1937, Serial No. 151,790
4 Claims. (Cl. 308—168)



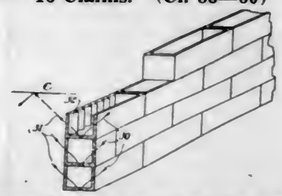
1. A track roller assembly comprising a stationary shaft having a thrust flange intermediate its ends, said thrust flange being notched at a point on its periphery, a pair of carrier sleeves turnable on the shaft with the thrust flange disposed between adjacent inner ends thereof, a track roller carried by said carrier sleeves for rotation therewith, said sleeves and roller providing a cylinder for containing lubricant, and a bearing member carried by each carrier sleeve at the inner end thereof for rotation therewith between each carrier sleeve and the thrust flange, each of said members having a bearing face contacting a side of the thrust flange, said bearing members being provided with pockets extending partly thereinto for receiving lubricant directly through the notch in the thrust flange from the sleeves and roller for distribution over opposite sides of the thrust flange upon rotation of the sleeves and roller.

2,179,861
ELECTRIC ATTACHMENT PLUG
Max Polis, Brooklyn, N. Y., assignor to Sylvia G. Polis, Brooklyn, N. Y.
Application September 24, 1938, Serial No. 231,490
3 Claims. (Cl. 173—330)



2. The combination, with a receptacle having rectangular orifices of long and short dimensions, of a plug including electric contacts having greater width than thickness, and effective to enter said orifices, and projections extending from the ends of the contacts of less width than the contacts and also the short dimension of said orifices and effective when entered therein in inoperative juxtaposition with said receptacle to form a pivotal connection to guide the plug into operative relation with the receptacle.

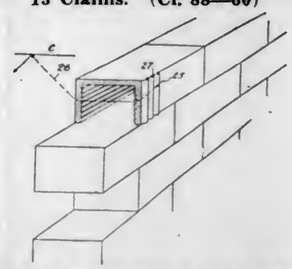
2,179,862
REFLECTING BRICK AND WALLS AND BUILDINGS UTILIZING THE SAME
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 25, 1933, Serial No. 686,740
16 Claims. (Cl. 88—60)



5. A pressed brick for constructing light transmitting walls, comprising a hollow, box-like light transmitting body having side and end walls and a bottom wall, the bottom wall having light reflecting prisms to receive light transmitted downwardly through one side wall of the brick and reflect it upwardly toward the other side wall for transmission thereby.

11. In a building, a wall composed of light-transmitting box-like bricks assembled in courses, each brick having vertical, substantially transparent side walls externally substantially smooth in vertical planes and adapted to form the inner and outer faces of the building wall, vertical end walls interconnecting the side walls, and at least one transversely extending, substantially horizontal wall, each brick having means within its outer faces for intercepting a large proportion of downwardly slanting sky light incident on the outer face of the building wall and reflecting it into upwardly slanting directions so that it emerges from the inner face of the building wall in said upwardly slanting directions, and a ceiling disposed inwardly of the inner face of the wall to receive said upwardly slanting light and redistribute it downwardly for interior illumination.

2,179,863
LIGHT DIRECTING BRICK AND WALLS AND BUILDINGS UTILIZING THE SAME
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 25, 1933, Serial No. 686,741
13 Claims. (Cl. 88—60)

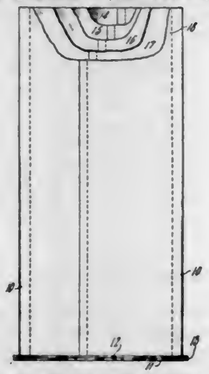


1. A brick for constructing light transmitting walls comprising a hollow, box-like light transmitting body, having vertical side and end walls and a transversely extending, substantially horizontal wall, refracting prisms in at least one side wall, said prisms being so constructed and so arranged on said side wall as to receive all the downwardly slanting light incident on one face of the brick and refract it so that the dominant

light rays are emitted from the opposite face of the brick in an upwardly oblique direction.

4. In a building, a wall composed of light transmitting box-like bricks, assembled in courses, each brick having vertical substantially transparent side walls to form the inner and outer faces of the building wall, vertical end walls interconnecting the side walls, and at least one transversely extending, substantially horizontal wall, each brick having longitudinally extending prismatic, light-directing means extending substantially uniformly over its entire length and height and so constructed and so arranged as to act on downwardly slanting sky light received on the outer face of the brick and elevate this light so that it is emitted from the inner face of the brick in upwardly slanting directions, and a ceiling disposed inwardly of the inner face of the wall to receive said upwardly slanting light and redistribute it downwardly for interior illumination.

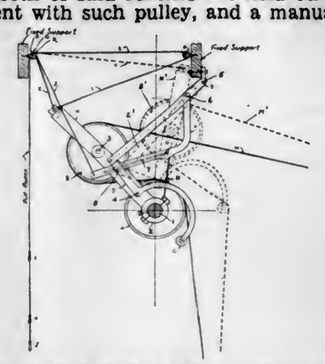
2,179,864
BAG
William Edward Scott, New York, N. Y., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Application August 11, 1938, Serial No. 224,241
5 Claims. (Cl. 229—55)



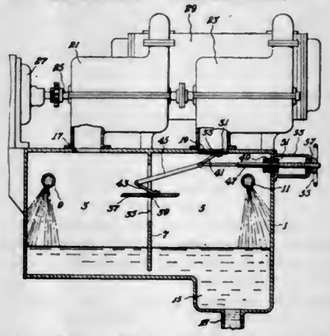
1. In a multi-ply bag structure for the packaging of greasy materials and the like, comprising, in combination, an inner ply comprising two sheets of glassine laminated together with a non-setting adhesive, a ply comprising two sheets of kraft paper laminated together with asphalt, at least one ply of kraft paper interposed between and separating said laminated plies, and an outer sheet of kraft paper enveloping said asphalt laminated ply and providing a printing surface for identifying indicia and advertising matter.

2,179,865
BELT SHIFTER
Ralph W. Skerratt, Girard, Ohio
Application December 7, 1937, Serial No. 178,453
5 Claims. (Cl. 74—242.5)

1. A pulley mounted on a shaft, a yoke member mounted astraddle said pulley and arranged to turn on the axis of said shaft, a second pulley mounted in said yoke member at an interval radially outward from the periphery of the shaft-borne pulley, an endless belt trained upon said second pulley, the two reaches of such belt extending on one side of said shaft-borne pulley, means adapted to swing said yoke member between a position in which one of said reaches of the belt is held in engagement with the periphery of the shaft-borne pulley, and a position in which both of said reaches are held out of engagement with such pulley, and a manually releasable locking device for securing said yoke member in the position last-mentioned.



2,179,866
CONTROL MEANS FOR REFRIGERATING APPARATUS
Henry A. Smith, Phillipsburg, N. J., and John Kirgan, Brooklyn, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application December 23, 1938, Serial No. 247,358
10 Claims. (Cl. 62—152)

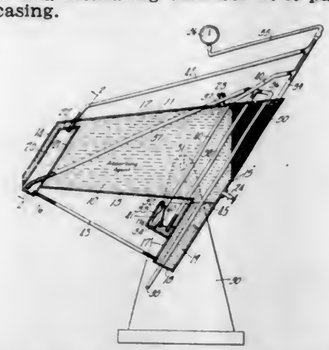


1. In a refrigerating apparatus, an evaporator a wall having a vapor port therein dividing the evaporator into two chambers and extending substantially to the bottom of said evaporator, means defining a vapor outlet port for each chamber, a separate evacuator for each chamber to remove vapor from the chambers through said vapor outlet ports, means to supply refrigerant to each chamber, a refrigerant outlet conduit for the evaporator, a damper for the wall vapor port, a damper for a vapor outlet port, levers connecting said dampers, and means to operate said levers to open and close said ports.

2,179,867
GAS ANALYZER
Philip T. Sprague, Charles A. Sprague, and Arnold Soller, Michigan City, Ind.
Application February 19, 1934, Serial No. 711,982
21 Claims. (Cl. 23—256)

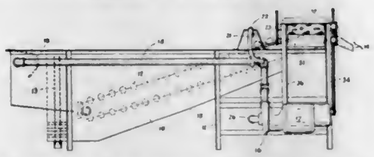
6. In a gas analyzer, a pivotally mounted casing containing a gas absorbing agent, a gas measuring chamber carried by said casing, means supplying gas to said chamber, means for conducting gas from said chamber to said casing, means actuable upon pivoting of said casing to

relative angular position to close said gas supply means and to force the gas in said chamber through said gas conducting means into said casing, and means for measuring the reduction of gas pressure resulting from absorption of the gas in said measuring chamber as it passes into said casing.



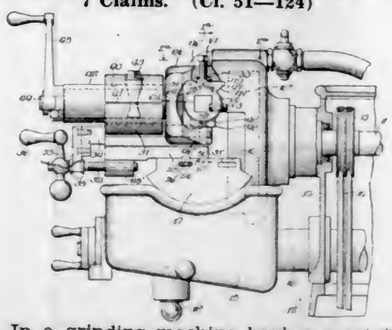
17. In a gas analyzer, a casing containing a gas absorbing agent, a gas measuring chamber disposed below the top of said casing, a gas supply conduit communicating with the lower end of said chamber, a gas transfer conduit extending above said casing and connecting said chamber and the top of said casing, a drain in said conduit extending downwardly therefrom, at an intermediate point thereof above said casing and a container for a non-absorbing liquid disposed below and communicating with said chamber, said container being shiftable to a position above said chamber to transfer said liquid to said chamber and thereby close said supply conduit and force said gas into said casing and means for measuring the extent of gas absorption in said casing.

2,179,868
FRUIT HANDLING MACHINE
Fred Stebler, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 28, 1937, Serial No. 150,738
7 Claims. (Cl. 146—193)



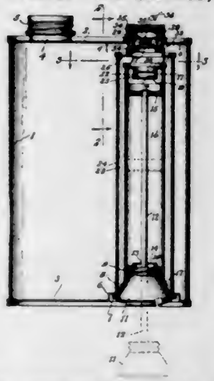
1. A machine for handling fruit or the like preparatory to the processing thereof, comprising a tank having a water-filled fruit dumping chamber, an inclined fruit conveyer extending upwardly out of said chamber for picking up and elevating fruit from the water therein, said conveyor having openings therethrough to permit trash and water to pass through the conveyor, a water outlet chamber below said conveyer, an endless travelling trash screen separating said fruit chamber and said outlet chamber and having a discharge point above the level of water in said tank, and water circulating means for withdrawing water from said outlet chamber and reintroducing the withdrawn water into said fruit chamber, whereby trash is carried by the circulating water against said screen for removal thereby.

2,179,869
GRINDING MACHINE
Fred R. Swanson, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application January 18, 1937, Serial No. 121,148
7 Claims. (Cl. 51—124)



7. In a grinding machine having a rotatable grinding wheel, means for adjustably supporting an element to be ground for movement across the grinding face of the wheel comprising a holder adapted to carry in fixed position thereon an element to be ground, a support for said holder rotatably mounted and having a head at the end adjacent the grinding wheel and an operating handle on the other end for manually imparting oscillatory movement to said support, and means for suspending said holder within the head of said support comprising a device journaled in said head for adjustment about an axis perpendicular to the axis of said support and in turn providing a journal for said holder having an axis perpendicular to both the axis of said device and of said support.

2,179,870
COMBINED CONTAINER AND SPRAYING DEVICE
William Martin Vogel, Bloomfield, N. J.
Application December 28, 1937, Serial No. 182,156
9 Claims. (Cl. 299—88)



9. A sprayer provided with a spray nozzle formed with a spray-ejection port, an air chamber having an outlet opening discharging into said nozzle and in a direction toward the port, a liquid-saturated absorbent material located within the nozzle, said absorbent material liquid-charging the air on its movement from the air-outlet opening to spray-ejection opening, a liquid receptacle surrounding and enclosing the air chamber and also extending around a portion of the nozzle, that portion of the nozzle around which the receptacle extends being apertured to establish a direct communication between the absorbent material in the nozzle and the can contents.

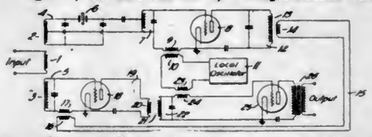
2,179,871
SPRAYING DEVICE
William Martin Vogel, Bloomfield, N. J.
Application July 19, 1938, Serial No. 220,039
3 Claims. (Cl. 299—88)



1. A spraying device comprising, a liquid-holding receptacle, a cylinder secured therein, a piston mounted for reciprocation in said cylinder, the cylinder having walls forming a chamber at one of its ends behind one end of the receptacle, a projecting nozzle portion extending from one end wall of the chamber and extending externally of the end of the receptacle and formed with a spray opening, the chamber being provided with at least one aperture in its wall through which the liquid contents of the receptacle may enter the chamber, said chamber being also apertured in one of its walls to permit the passage of air into it from the cylinder, air valve means within the chamber for normally closing said air-passing aperture, an apertured movable valve member located in the chamber and interposed between the liquid-passing aperture in the chamber wall and the air valve means, a seat in the chamber on which the valve member normally rests, and from which the valve member is raised by an air blast from the air-passing aperture, absorbent material located in said chamber between said valve member and the air valve means for normally holding said air valve means in a closed position, and absorbent material located between the valve member and the nozzle portion of the chamber for normally resiliently holding the valve member in a closed position.

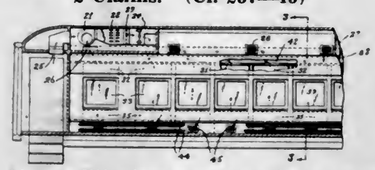
2,179,872
APPARATUS FOR AND METHOD OF REDUCING DISTORTION IN THE RECEPTION OF ELECTROMAGNETIC WAVES
Donald A. Wilbur, Troy, N. Y.
Application September 10, 1937, Serial No. 163,283
12 Claims. (Cl. 250—20)

1. In a device for receiving modulated radio signals comprising carrier and side band components, the combination with an oscillator for creating electrical energy, of means for creating a signal component by a reaction between the carrier component of a received signal and said created electrical energy, means for modulating the signal, as received, by said created signal component, means for separating from the received signal, so modulated, components thereof



corresponding in form to the received signal but having a carrier component of a frequency substantially equal to that of said created energy and means for adding to said last mentioned signal components energy from said oscillator.

2,179,873
HEATING AND HUMIDIFYING SYSTEM
Samuel M. Anderson and Robert T. Palmer, Sharon, Mass., assignors to B. F. Sturtevant Company, Inc., Boston, Mass.
Original application February 5, 1936, Serial No. 62,470. Divided and this application June 9, 1938, Serial No. 212,743
2 Claims. (Cl. 237—45)



2. Air conditioning apparatus for a passenger vehicle having a plurality of double sash windows, comprising a central air conditioning unit, air heating and humidifying means in said unit, an air distributing duct overhead the passenger space of said vehicle for supplying air from said unit into said passenger space, an air receiving duct above said passenger space connecting with the air inlet of said unit, a second air receiving duct in the floor zone of said space, means forming a plurality of air passages from said second air receiving duct, between the panes of said windows and into said first mentioned air receiving duct, air heaters in said second air receiving duct below said windows for heating the air entering said passages, and means for drawing air over said heaters, through said passages and said air receiving ducts and through said unit and for discharging it into said distributing duct.

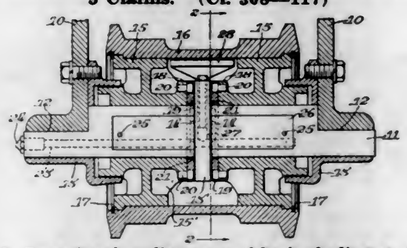
2,179,874
BINDER MECHANISM
Hubert Auburn, Mount Healthy, Ohio, assignor to The Tenacity Manufacturing Co., Lockland, Ohio, a corporation of Ohio
Application February 3, 1938, Serial No. 188,536
2 Claims. (Cl. 129—24)



1. In a device of the class described the combination of a binder comprising a support of a width exceeding its thickness, and having notches in the edge thereof, and posts for cooperation with the edge notches of the support, a pair of

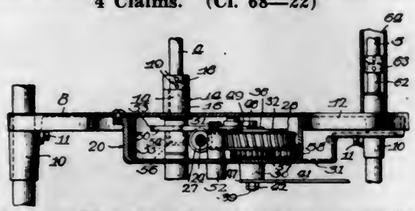
spaced pintle blocks located within the support, in coplanar relationship, and including pintles for each post, each pair of pintles being exposed through a single edge notch for engaging their respective posts, and cooperating means associated with the posts and pintles for automatically engaging the pintles with their respective posts, incident to movement of the posts into the edge notches of the support member.

2,179,875
TRACK ROLLER
David B. Baker, Riverside, and Clifford R. Rogers, Oak Park, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application July 3, 1937, Serial No. 151,862
5 Claims. (Cl. 308—117)



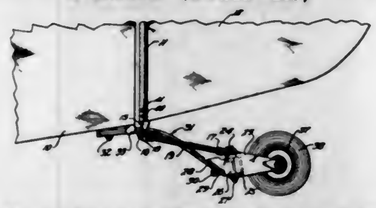
1. In a track roller assembly including a stationary shaft formed with a thrust flange intermediate its ends, a pair of carrier sleeves turnable on the shaft with the thrust flange disposed between adjacent inner ends thereof, and a track roller fitted over said carrier sleeves and mounted for rotation therewith, the combination with the shaft, of a pair of bearing members surrounding the shaft, one disposed between the inner end of each carrier sleeve and each face of the thrust flange, each of said bearing members being formed with an axially extending hollow portion forming a pocket closed at its radially outermost end and providing a lubricant reservoir open to the thrust flange and to the shaft, said reservoirs being thereby adapted to receive lubricant from the shaft and to distribute it over opposite faces of the thrust flange.

2,179,876
POWER UNIT AND BASE FRAME FOR WASHING MACHINES
Walter Bones, Minneapolis, Minn., assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application September 10, 1936, Serial No. 100,073
4 Claims. (Cl. 68—22)



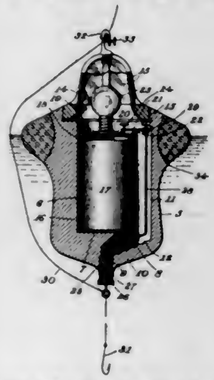
1. A combined base frame and power unit for a washing machine having a tub and supporting legs, comprising a frame member adapted to span the legs adjacent their ends, a socket formed at each extremity of the frame for receiving a leg and providing for adjustment of the frame upon the legs, means for anchoring the frame in adjusted position upon the legs, a drive mechanism carried by the underside of the frame, and a housing below and secured to the underside of the frame and providing, with the frame, a complete enclosure for protecting and concealing the drive mechanism.

2,179,877
TAIL WHEEL ASSEMBLY
Harvey N. Martin, Long Beach, Calif.
Application September 20, 1937, Serial No. 164,719
4 Claims. (Cl. 244—109)



1. In combination with an airplane, including a fuselage and horizontally swingable rudder, a cantilever spring connected at its forward end to the fuselage and having its free end extending rearwardly thereof, a bearing block secured in offset relation to, the free end of said spring, a wheel fork pivoted to said bearing block on an angularly disposed axis, a ground wheel carried thereby, lever means extending oppositely from said wheel fork, lever means extending oppositely from the rudder structure of the plane, and means connecting said levers whereby movement to swing the rudder will be imparted to swing the wheel fork, said connecting means being longitudinally yieldable.

2,179,878
FISHING TACKLE
Edgar L. Dietrich, Centerport, Pa.
Application November 4, 1938, Serial No. 238,859
1 Claim. (Cl. 43—17)



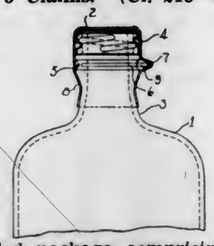
In a signaling float, a casing having a bore, a member secured within said bore and formed with an insulated portion and a contact adapted for connection with a source of electrical power contained within the bore adjacent said member, a lamp socket carried by said portion and adapted to receive an electric lamp, said socket being formed with a resilient arm overlying said contact and normally spaced therefrom, and a rod within said casing connected to said arm and extending through the lower end of said casing for engagement with a fishing line whereby to move said arm into engagement with said contact upon downward movement of said line and illuminate said lamp to effect a signal.

2,179,879
BOTTLE STOPPER AND SEAL THEREFOR
Arthur B. Dodge, Lancaster, Pa.
Application October 1, 1938, Serial No. 232,865
4 Claims. (Cl. 215—46)



1. A combined bottle stopper and seal comprising a stopper having a cap portion, said cap portion having a peripheral groove formed therein, a split ring rotatably seated in said groove, and a band of flexible sheet material for sealing said cap portion to the neck of a bottle and covering said split ring, said split ring having an offset portion at one end thereof whereby said ring is adapted to be rotated to sever the sheet material.

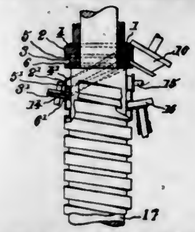
2,179,880
BOTTLE STOPPER SEALING STRIP REMOVER
Arthur B. Dodge, Lancaster, Pa.
Application October 1, 1938, Serial No. 232,866
5 Claims. (Cl. 215—46)



3. A sealed package comprising a container having neck portion formed with a filling opening, a closure member for said opening, a flexible sealing member for sealing the closure member in the container, said neck portion being formed with a groove, a flexible split ring seated in said groove for rotation therein in clockwise and anticlockwise directions and completely concealed by said sealing member, said split ring formed with a protruding portion intermediate its ends and with oppositely disposed cutting surfaces.

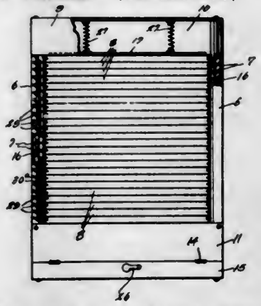
2,179,881
METHOD AND DEVICE FOR MAKING ARTICLES CONSISTING OF A BAND OF THE HELICAL TYPE
Henry Martial Emile Du Boscq de Beaumont, Saint-Victor l'Abbaye, France
Application February 3, 1936, Serial No. 62,216
In Belgium February 13, 1935
9 Claims. (Cl. 113—35)

1. The method of making helical tubing which comprises curving a strip about an axis transverse to the length of the strip and providing flanges on said strip parallel to the length of the strip, after such curving distorting such strip in a direction parallel to such axis so as to reduce the diameter thereof, and then reducing the angle of distortion, whereby to interlock said flanges with flanges of adjacent turns to form a helical tube.



3. A machine for making helical tubing which comprises means for curving a strip about an axis transverse to the length of the strip, means for forming flanges on said strip parallel to the length of the strip, means operative after such curving means for distorting such curved strip in a direction parallel to such axis so as to reduce the diameter thereof, and means for then reducing the angle of distortion, whereby to interlock said flanges with flanges of adjacent turns to form a helical tube.

2,179,882
BLIND
Allen Durre, Evansville, Ind.
Application September 20, 1938, Serial No. 230,871
3 Claims. (Cl. 156—17)

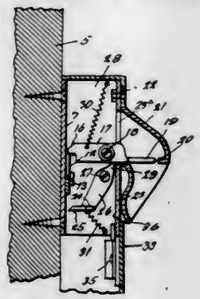


1. A blind comprising a frame structure having a magazine at one end thereof, a pair of screw shafts, a plurality of slats each provided with a pintle at each end thereof for disposition into the groove of the corresponding screw shaft, and means for rotating the screw shafts, said magazine including a spring-pressed follower against which the slats are urged by the screw shafts.

2,179,883
COIN CONTROLLED CAP REMOVER
Ira H. Fitzpatrick, Austin, Tex., assignor of one-half to James L. Hudgins, Austin, Tex.
Application February 3, 1938, Serial No. 188,559
4 Claims. (Cl. 194—19)

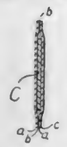
1. In a coin controlled bottle cap remover, a casing, a hood-like cap remover on the casing adapted for the insertion of the neck of a bottle thereinto, a closure member for said cap remover pivoted in said casing to extend into the cap remover and for swinging movement in opposite directions into opening and closing positions, re-

spectively, a coin chute extending into said casing, and means in said casing normally locking said



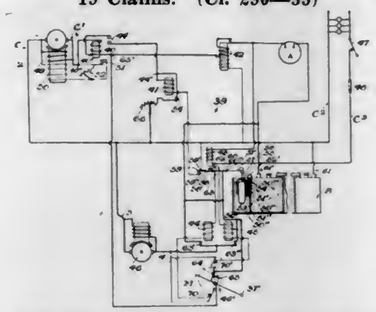
member against opening movement and operative to unlock the same under the control of a coin deposited in said chute.

2,179,884
DISPLAY DEVICE
Harry S. Falkoff, Wooster, Ohio
Application December 17, 1937, Serial No. 180,434
2 Claims. (Cl. 40—159)



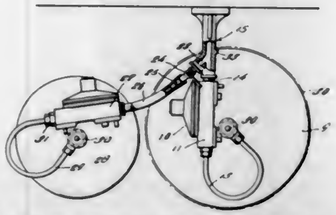
1. A display device for exhibiting stamps, comprising a flat open ended tube, said tube having a transparent face section and lesser light pervious back section, the longitudinal abutting edges only of the face and back sections being adhesively joined together.

2,179,885
WINDMILL AND WINDMILL ELECTRIC GENERATING AND REGULATING STORAGE SYSTEM
Charles Fumagalli, Guatemala City, Guatemala
Application October 29, 1937, Serial No. 171,776
19 Claims. (Cl. 290—55)



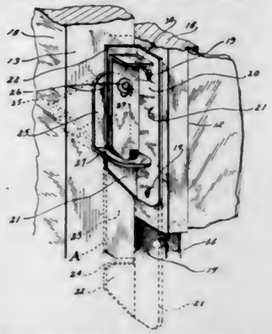
1. The combination of an electric generator, a wind wheel for driving the generator, an electric circuit having a storage battery adapted to be charged by the generator, and means controlled by the speed of the wind wheel and influenced by induced current reactions in the circuit at and above a certain speed of the generator and state of charge of the battery for imposing through such induced current reactions an electrical braking action on the generator.

2,179,886
SINGLE CYLINDER ASSEMBLY FOR GAS SYSTEMS
Joshua R. Gerow and Charles M. Francisco, Liberty, N. Y.
Application April 30, 1938, Serial No. 205,345
Renewed August 31, 1939
5 Claims. (Cl. 137—78)



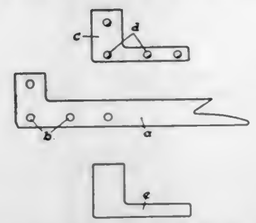
1. A single cylinder assembly for domestic gas systems of dwellings including a gas supply cylinder having a pressure regulator valve connected thereto and a service main of a dwelling, means rigidly mounted and having the lower pressure side of the regulator valve and the service main coupled thereto for establishing a gaseous communication between said cylinder and the service main, and means on said first-means whereby an auxiliary gas supply cylinder may be temporarily connected thereto for furnishing gas to said service main during the removal of the first-named gas supply cylinder from the pressure regulator valve.

2,179,887
WINDOW STOP AND LOCK
Walter F. Gintz, Nacogdoches, Tex.
Application April 5, 1939, Serial No. 266,168
2 Claims. (Cl. 292—207)



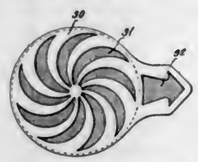
1. A sash stop and lock consisting of a keeper part formed of sheet metal having a planiform base body adapted to be secured against the face of a sash, and having flange portions at one edge adapted to lie beside a window frame and having an intermediate horizontal slot therein, a plate slidingly secured to said keeper and having a bolt portion arranged to project across said slot at one limit of movement and being retractable therefrom, and a lever part constructed to be pivoted on a frame element and having a transverse flange having opposite edge portions adapted to enter said slot respectively at pendant and inverted positions of the lever, and said flange being apertured to receive said bolt portion therethrough when the flange is engaged in the slot.

2,179,888
JACK SINKER
George Henry Green, Leicester, England
Application August 18, 1937, Serial No. 159,760
In Great Britain August 20, 1936
3 Claims. (Cl. 66—110)



1. A sinker for knitting machines, comprising at least three laminae, an inner one of which is of a hard metal having properties making it unsuitable for welding, the laminae to either side of said inner lamina being of a softer weldable metal, said hard inner lamina and at least one of said softer outer lamina interlocking to prevent their shifting relative to one another, and said softer outer laminae being united to each other by welding.

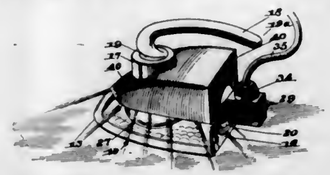
2,179,889
DIRECTION INDICATOR FOR VEHICLES
Corliss W. Hall, Middletown, Ohio
Application October 1, 1938, Serial No. 232,868
3 Claims. (Cl. 177—329)



3. A vehicle signal comprising a casing divided into a plurality of radially arranged compartments forming a circle at the ends thereof, an electric lamp in each of said compartments, a circular shield member provided with a plurality of light-permeable crescent-shaped openings arranged radially in the same direction around a complete circle, means for illuminating said electric lamps successively to impart to said light-permeable openings a rotary circular effect to indicate a proposed change in direction of movement of the vehicle, and a pointer adapted to be illuminated adjacent said crescent-shaped openings to supplement the signalling effect thereof.

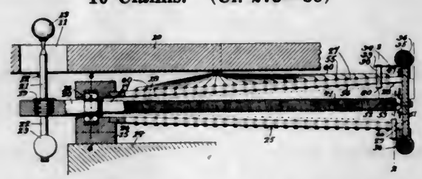
2,179,890
IRON
Benjamin A. Kaplan, Philadelphia, Pa.
Application November 15, 1938, Serial No. 240,579
7 Claims. (Cl. 219—25)

1. An iron comprising a hollow body formed of transparent material and having an opening at one end, a plug threaded into said opening and provided with contacts for connection with an electric circuit, an electric lamp electrically connected with the contacts and supported by the plug, ray concentrating means on the bottom of the body, and a thin metallic covering on the



upper outer surface of the iron for reflecting rays on to the ray concentrating means.

2,179,891
INDOOR GOLF GAME
Benjamin A. Kaplan, Philadelphia, Pa.
Application February 9, 1939, Serial No. 255,490
10 Claims. (Cl. 273—35)

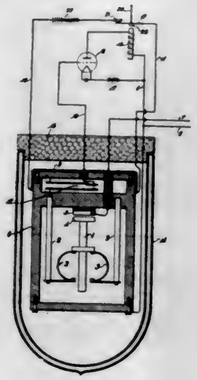


1. An indoor golf game comprising a shaft, a bearing mounting the shaft for rotation and universal oscillation adjacent one end and dividing the shaft into a long and short portion, a radial rod rotatably mounted in the short portion of the shaft, a ball on one end of the rod adapted to be struck by a golf club head to cause tilting and rotation of the shaft, a balancing weight at the other end of the rod, the long portion of the shaft being provided with a worm, a housing enclosing the long portion of the shaft and provided with a plurality of longitudinal guides, an electric conductor in each guide, each conductor provided with a segmental worm gear adapted to mesh with the worm on the shaft when the long portion of the shaft is tilted into engagement with said worm gear, a series of spaced contacts on the housing adjacent each guide and consecutively engaged by the respective conductor when said conductor is moved along its guide by the revolving worm, a plurality of lamps, a lamp for each contact and in circuit with said contact and with the worm, means connecting each lamp and the worm with a source of current, and means retaining the long portion of the shaft in tilted position when said worm has been moved into engagement with a gear on a conductor.

2,179,892
APPARATUS FOR DETERMINING GRAVITY
Axel Rudolf Lindblad, Stockholm, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden, a joint-stock company limited of Sweden
Application November 24, 1937, Serial No. 176,353
In Sweden September 30, 1937
4 Claims. (Cl. 265—1.4)

1. An apparatus for measuring directly the variations in the force of gravity comprising in combination a condenser, means operable by gravimetric force for varying the capacity of said condenser, a closure of heat conducting material for said condenser, an electrical heating coil without but in contact with said closure, and an automatic thermoregulator intimately connected

with said closure and adapted to control the current supplied to the electric heating coil to main-



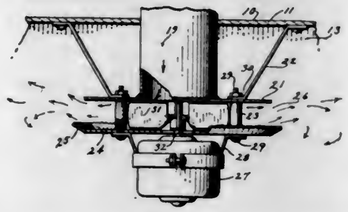
tain a substantially constant temperature within the closure.

2,179,893

PORTABLE AIR CONDITIONING MEANS FOR BROODERS AND THE LIKE

William E. Lyon, San Diego, Calif.

Application May 8, 1937, Serial No. 141,552
4 Claims. (Cl. 98—39)



1. A ventilator unit for brooders and the like consisting of a vertical axis inlet, a rotary impeller mounted on said axis for horizontal rotation and so located as to lie in the upper part of a brood chamber, means to operate the impeller, a plate close over the impeller, and a plate close below the impeller parallel to the first plate and having an outer circumscribing edge portion outwardly of the first plate and inclined upwardly, stopping short of the level of the first plate more than half the distance between the plates.

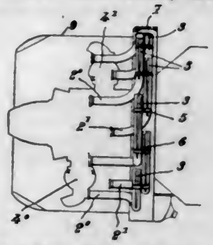
2,179,894

MEANS FOR CHECKING FLAME PROJECTION FROM INCANDESCENT GAS DISCHARGE CONDUITS

Jeremi Malczewski, Boulogne-sur-Seine, France, assignor to Société Bronzavia, Courbevoie, (Seine), France, a society of France

Application May 20, 1936, Serial No. 80,890
In Belgium January 6, 1936
15 Claims. (Cl. 60—29)

5. A combustion engine comprising a stationary cylinder having a gas discharge opening, and an exhaust conduit secured at one end to the walls of said opening and exposed to a stream of air, said conduit having outlet means substantially flush with the surface of said conduit extending from a point closely adjacent said opening in said cylinder to a point spaced a substantial distance therefrom, the axis of said



outlet means being directed transversely to the direction of flow of said air stream.

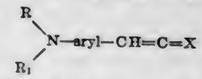
2,179,895

DYESTUFFS OF THE METHINE SERIES

Werner Müller, Cologne-on-the-Rhine, and Carl Berres, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 18, 1936, Serial No. 75,226. In Germany April 26, 1935
6 Claims. (Cl. 260—465)

1. Dyestuffs of the general formula



wherein R stands for halogenalkyl, R_1 stands for a member selected from the group consisting of hydrogen, alkyl, halogenalkyl, hydroxyalkyl, alkoxyalkyl, aryl and aralkyl, the grouping =C=X stands for the radical of a compound containing a reactive group selected from the class consisting of reactive methyl and reactive methylene groups, in which the =C= portion is formed from the said reactive group, and the group



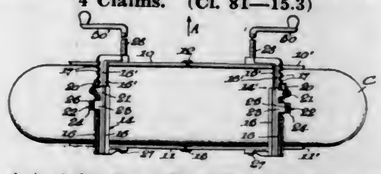
stands in para-position to CH, yielding in general clear shades on cellulose acetate silk.

2,179,896

TIRE TOOL

Joseph F. Neville, Evanston, Wyo.

Application March 2, 1938, Serial No. 193,556
4 Claims. (Cl. 81—15.3)



1. A tool for laterally collapsing a tire casing to allow easy reception of its beads in the drop center of a rim, said tool comprising one pair of arcuate bars for disposition at one side of the casing, an additional pair of arcuate bars for disposition at the other side of said casing, means directly connecting the inner ends of the bars of said one pair with each other, means directly connecting the inner ends of the bars of said additional pair with each other, one arched clamp having one of its ends connected to one bar of said one pair and having its other end connected

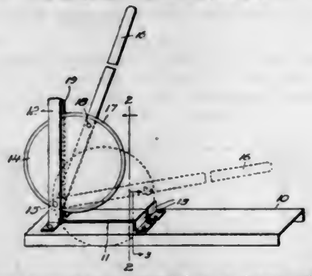
to the corresponding bar of said additional pair, and a second arched clamp having its ends connected to the other bars of said pairs.

2,179,897

CORN SHUCKER

Max Oelkers, New Braunfels, Tex.

Application May 16, 1939, Serial No. 274,014
1 Claim. (Cl. 146—146)



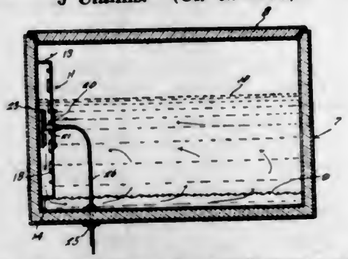
A corn shucker comprising a base of channel formation, the channel opening out through the lower side of the base, the upper side of the base being provided at the forward end portion thereof with a longitudinal slot, a bracket of inverted U-form mounted upon the base at one end of the slot, angle iron stops secured to the upper side of the base at the other end of the slot and adapted to form an abutment for an unshucked ear of corn placed upon the base with the bottom of the shuck and butt extending transversely across said slot, a disc knife extending through the bracket and pivoted near its lower end to the lower end of the bracket, and a handle pivoted on the bracket through the medium of the pivot of the knife and fixed to the knife near the edge of the latter diametrically opposite the pivot thereof, in any position of the knife a portion thereof being located in the bracket, the lever being rockable toward the base to carry the knife through said slot for severing the butt and bottom of the shuck from the ear of corn, the passage through the bracket being located in the vertical plane of the slot in the base, said stops being located at the opposite sides of said plane.

2,179,898

BEVERAGE COOLING CABINET

Henry A. Pfeiffer, Fredericksburg, Tex.

Application September 13, 1938, Serial No. 229,740
3 Claims. (Cl. 62—101)



2. As a new article of manufacture and as an insert for a cooling cabinet of the class described, a centrally apertured plate having laterally directed flanges on its longitudinal edges, the bottom flange being provided with a plurality of orifices, a spider spanning the central portion of the aperture and attached to the plate and provided with a bearing, a bladed impeller disk having a shaft mounted for rotation in said bearing to accommodate a flexible driving shaft, and refrigerant accommodation means mounted on the plate between the flanges.

2,179,899

PROCESS FOR PREPARING HIDES

Otto Röhm, Darmstadt, Germany

No Drawing. Application October 8, 1937, Serial No. 168,052. In Germany December 29, 1936
26 Claims. (Cl. 149—2)

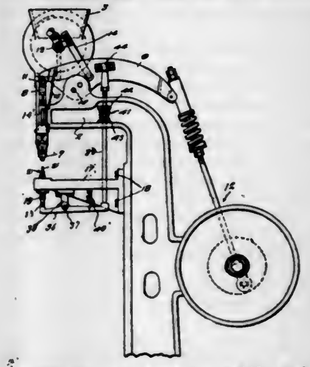
1. In a process which includes treating hides or skins in aqueous solution with (1) at least one oxidizing agent selected from a group consisting of alkali nitrates, alkali nitrites, alkali percarbonates, alkali peroxides and hydrogen peroxide, (2) a reducing agent comprising an oxygen containing sulphur compound and (3) a depilating and bating agent comprising a mold tryptase; the improvement wherein the treatment with the depilating and bating agent comprises a separate step from the treatment with the oxidizing and reducing agents.

2,179,900

RIVET SETTING MACHINE

Francis L. Sheane, Bridgeport, Conn., assignor to Shelton Tack Company, Shelton, Conn., a corporation of Connecticut

Application February 5, 1938, Serial No. 188,995
2 Claims. (Cl. 218—2)



1. In a riveting machine for setting rivets having tubular shanks, a vertically reciprocating driver, operating means for said driver including a rocker, a tubular anvil mounted below said driver for receiving the shank of a rivet driven by said driver, a pilot vertically slidable in said anvil to recede therein under the drive of a rivet into the anvil and operative upwardly to eject the rivet out of said anvil, and means to operate said pilot upwardly under operation of said rocker comprising a tappet on said rocker, a tappet rod operative by said tappet, a lever operative by said rod, and an operating connection between said lever and pilot.

2,179,901

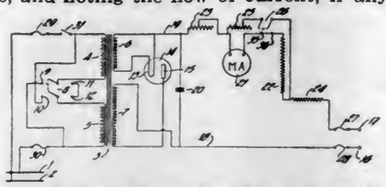
GROUND DETECTOR

Ralph W. Smith, Walton, N. Y.

Application December 1, 1934, Serial No. 755,571
8 Claims. (Cl. 175—183)

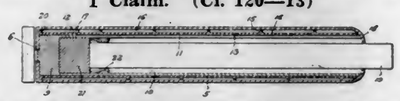
1. The method of detecting insulation defects or grounds having resistances up to a predetermined number of megohms in an alternating current electrical system or apparatus while in operation which comprises, transforming alternating current from a suitable source and rectifying the same to provide a source of direct current, forming an electric circuit in which said defects or grounds, if existent, are in series with said

source of direct current and with a resistance of an order constituting a substantial fractional portion of said predetermined number of megohms, and noting the flow of current, if any, in



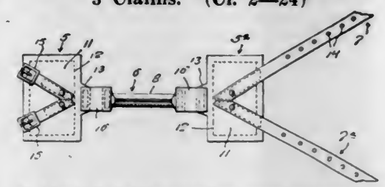
said circuit; the voltage of said transformed-rectified curent being sufficient to create a current flow of readily measurable magnitude through said resistance alone.

2,179,902
CHALK HOLDER
Harriet Myrtle Solheim, Parker, S. Dak.
Application October 22, 1937, Serial No. 170,499
1 Claim. (Cl. 120—13)



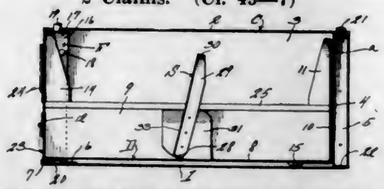
A chalk holder comprising an elongated shell having one end rounded and provided with a centrally arranged opening through which the chalk passes, the opposite end being flat and provided with a centrally arranged opening, an elongated tubular member fitting in the shell and having one end bearing against the flat end thereof and its opposite end against a portion of the rounded end, said tubular member having a spiral slot therein, a spiral rib on the exterior circumference of the tubular mem ber, said rib engaging the inner circumference of the shell to space the tubular member from the shell, a second elongated tubular member fitting in the first tubular member with its ends engaging the flat and rounded ends of the shell, that end of the second tubular member which engages the flat end of the shell being closed, a stem projecting from said closed end and passing through the opening in the flat end of the shell, a knob connected with the outer end of the stem, said second tubular member having a longitudinal extending slot therein extending from a point spaced from the closed end of the second tubular member through the other end, a block fitting in the second tubular member, a headed stem connected with a side portion of the block and passing through the slot of the second tubular member and through the spiral slot of the first tubular member with its head located in the space between the shell and the first tubular member, and spring fingers carried by the block for gripping a piece of chalk placed in the device.

2,179,903
KNEE JOINT PROTECTOR
Lewis M. Spears, Lubbock, Tex.
Application July 19, 1938, Serial No. 220,059
3 Claims. (Cl. 2—24)



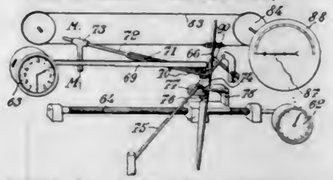
1. A knee joint protector comprising two resilient pads adapted to respectively engage opposite sides of the leg at the knee joint, a strap member connecting said pads and arranged to pass around the back of the leg at the knee joint and retain the pads against forward shifting from proper position at opposite sides of the knee joint, and diverging adjustable strap members for connecting the pads arranged to pass around the front of the leg above and below the knee cap for securing the device upon the wearer.

2,179,904
FILING CABINET OR THE LIKE
Arthur C. Strayer, Beaver, Pa.
Application November 12, 1938, Serial No. 240,136
2 Claims. (Cl. 45—7)



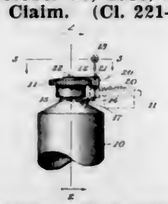
1. A filing cabinet comprising a casing having an open front, inwardly disposed parts carried by the sides of the casing at the open front portion thereof and spaced below the top of the casing, a drawer slidably engaging within the casing, said drawer having front and rear walls of a height less than the interior height of the open front of the casing, and side walls having their upper margins a material distance below the top margins of the front and rear walls, the rear wall contacting with the inwardly directed parts at the front of the casing for normally limiting the outward movement of the drawer, contact of the front wall with said parts limiting the inward movement of the drawer and aligning the drawer within the casing, said parts at the front of the casing being so positioned to allow the rear wall of the drawer to pass thereunder when the drawer is extended and the outer end portion of the drawer raised, and a glider carried by the bottom wall of the drawer at the rear thereof, said glider being so spaced inwardly of the rear wall to be positioned closely adjacent to the open front of the casing when the rear wall contacts with the inwardly directed parts, said glider when in such position serving as a fulcrum to allow the extended drawer to drop into a downward slanting position, the rear wall being of a height less than the height of the casing sufficient to permit dropping of the extended drawer into said downward slanting position.

2,179,905
CALCULATING DEVICE
Lucien Thiboust, Paris, France
Application May 26, 1936, Serial No. 81,943
In Belgium October 2, 1935
12 Claims. (Cl. 235—61)



1. A device for indicating continuously the ratio between two independently variable quantities comprising a pivoted member, movable means to displace angularly said pivoted member in response to the variations of one of said variable quantities, a second member, a second movable means parallel to said first movable means for moving said second member in response to the variations of the second of said variable quantities, and means controlled by said pivoted member for actuating said second member for varying its angular position.

2,179,906
COLLAPSIBLE TUBE CLOSURE
Thomas F. Thompson, Sterling Station, N. Y.
Application October 10, 1938, Serial No. 234,305
1 Claim. (Cl. 221—60)



The combination with a collapsible tube having a threaded neck and a threaded closure on said neck, of an upright bracket arm formed of wire, a stop ring at the upper end of the arm, the lower end of the wire being bent laterally to provide a spacing arm, the wire being then bent to provide an anchoring ring adapted to encircle the neck of the tube below the closure, a substantially U-shaped swivel member having horizontally disposed legs provided with aligned openings pivotally receiving said upright arm at spaced points, the uppermost leg of the swivel member being longer than the lowermost leg, and a pivot securing said uppermost leg to the center of the top of the closure, the lowermost leg of the swivel member being adapted to be supported upon said spacing arm and coact with the uppermost leg of the member in preventing sagging or tilting of the closure when the closure is unscrewed from the tube and rotated laterally about the bracket arm as an axis to open position.

2,179,907
SALT SHAKER
Sam S. Tsuruta, Walnut Grove, Calif.
Application June 11, 1938, Serial No. 213,255
2 Claims. (Cl. 65—45)



1. In a salt shaker, a body portion, having a discharge opening, a hollow spherical closure pivotally mounted within the discharge opening, said closure having openings whereby material passes from the body portion into the closure, said closure having discharge openings, and the portion of the closure having the openings being weighted to rotate the closure to either its closed position or discharging position.

2,179,908
ABDOMINAL EXERCISER
Yonai Uchiumi, Kanda-ku, Tokyo-shi, Japan
Application January 14, 1938, Serial No. 185,076
1 Claim. (Cl. 128—27)

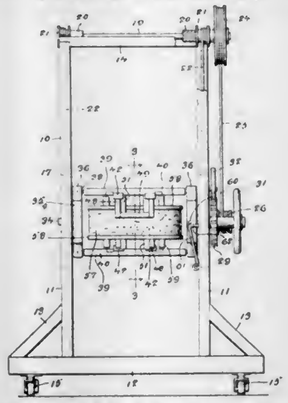


An abdominal exerciser, comprising a flexible, elastic frame of predetermined length and adapted to be attached to the body of the user, said frame being curved so as to leave a space between the outer and the inner part of said frame, a bell within the outer side of said frame, a flexible clapper on the inner part of said frame, said clapper and said inner part of said frame being directly actuated by the movements of the diaphragm of the user and a guiding spring within the outer part of said frame for the alternate retention and release of said clapper.

2,179,909
REFINING OF HYDROCARBON OIL WITH MIXED SOLVENTS
James W. Weir, Los Angeles, Calif., assignor, by mesne assignments, to Edeleanu Gesellschaft m. b. H., Berlin, Germany, a corporation of Germany
No Drawing. Original application June 8, 1936, Serial No. 84,164. Divided and this application August 27, 1938, Serial No. 227,213
17 Claims. (Cl. 196—13)

1. The process of separating high viscosity index from low viscosity index components of petroleum oil which comprises contacting the oil with a mixture of a pyridine type solvent and an auxiliary selective solvent which does not react with alkali, in the presence of an aqueous alkali metal hydroxide solution in sufficient amount to form three phases, causing the extract phase to be dispersed in a continuous raffinate phase, then separating and separately removing raffinate phase, extract phase and alkali metal hydroxide phase.

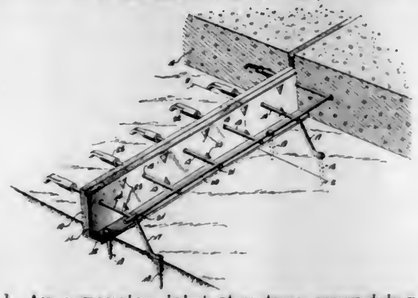
2,179,910
CHEESE TURNING APPARATUS
Gottlieb F. Wenger, Milwaukee, Wis.
Application February 26, 1938, Serial No. 192,854
6 Claims. (Cl. 31—49)



1. A cheese handling apparatus comprising a portable frame, an elevator in said frame, said

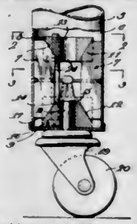
elevator including a tumbler having spaced upper and lower trackways thereon, transfer carriages movable from said trackways onto an aligned storage shelf whereby the cheese loaf on the shelf may be transferred to said tumbler, reversed and returned to the shelf, and means for retaining the cheese loaf between the trackways while the tumbler is turning.

2,179,911
EXPANSION JOINT STRUCTURE
William F. Wilmoth, Washington, D. C.
Application March 3, 1939, Serial No. 259,673
2 Claims. (Cl. 94—18)



1. An expansion joint structure comprising, in combination: a plate of compressible material; a metallic plate secured thereto, substantially coextensive therewith formed with a bottom marginal flange having anchoring-pin perforations; a plurality of dowel pins secured to said metallic plate, having straight portions extending in both directions from said plates normal thereto; certain of said pins beyond their straight portions and on the metallic plate side of said plates only downwardly deflected to contact a surface upon which said marginal flange rests at points spaced therefrom while said plates are perpendicular to the surface; the ends of said downwardly deflected portions having anchor-pin receiving perforations whereby free ends of the straight portions of said dowel pins at one side of the assembly are slidable in enclosing concrete.

2,179,912
ADAPTER
Russell S. Woodruff, Riverside, Calif.
Application November 25, 1938, Serial No. 242,367
2 Claims. (Cl. 16—39)



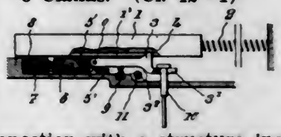
1. In combination with a supportable member formed with a socket, a pair of relatively adjustable elements arranged in said socket and formed with slots having inclined walls, blades interposing said elements and extending into said slots for engagement with said walls, and means connecting said elements together and operable for adjusting one of said elements relative to the other whereby to effect clamping engagement of said blades with the wall of said socket, said elements formed with aligned bores with the bore of one element adapted to have secured therethrough the shank of a caster and the other of said bores adapted to receive the end of said shank when said elements are disposed in close proximity with respect to each other.

2,179,913
MAIL BOX
Robert H. Bess, Downey, Calif.
Application October 3, 1938, Serial No. 233,077
1 Claim. (Cl. 104—151)



Apparatus of the class described including supporting wires, a carrier mounted for movement therealong, a reversible motor within the carrier including a reversing switch, means operated by the motor for moving the carrier in either direction along the wires, a signal circuit including normally spaced contacts, and means movable with the carrier and against the contacts for simultaneously limiting the movement of the carrier in one direction, operating the reversing switch, and closing the signal circuit through the contacts.

2,179,914
DETENT MECHANISM
Marc Birkigt, Bois-Colombes, France
Application January 4, 1938, Serial No. 183,343
In Luxemburg June 21, 1937
8 Claims. (Cl. 42—1)

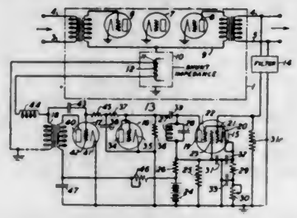


1. In connection with a structure including a stationary part and a movable part slidable with respect to said stationary part, a releasable locking mechanism which comprises, in combination, a sliding support mounted on said stationary part for movement parallel to the direction of movement of said movable part, catch means movably carried by said sliding support, means for limiting the displacement of said support to a short amplitude, and means, operative by the movement of said sliding support relative to the stationary part, for positively engaging said catch means with said movable part before said sliding support is stopped by said limiting means.

2,179,915
GAIN CONTROL CIRCUITS
Royer R. Blair, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 8, 1938, Serial No. 228,999
14 Claims. (Cl. 178—44)

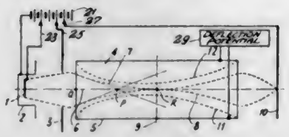
1. A controlled circuit having a characteristic

thereof maintained substantially constant, a space discharge oscillator having a control grid, means for impressing a variable potential on said grid according to the characteristic of said circuit, means for operating said oscillator on a steeply



inclined portion of the input-output characteristic curve thereof when controlled by the potential impressed on the grid, and means controlled according to the output from said oscillator for maintaining the characteristic of the controlled circuit substantially constant.

2,179,916
ELECTRON TUBE
Albert Bouwers, Eindhoven, Netherlands, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands
Application January 11, 1936, Serial No. 58,726
In Germany January 31, 1935
3 Claims. (Cl. 250—27)

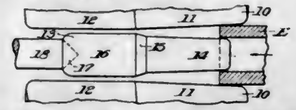


1. A cathode ray tube comprising an electron emitting cathode, a concentration electrode coaxial with and surrounding said cathode, an annular disk having an inner diameter larger than the diameter of said cathode and said concentration electrode and positioned adjacent to and in register with said cathode, a pair of parallel deflecting plates beyond said electrode positioned symmetrically with respect to the axis of said anode and cathode, an impact plane beyond said plates and positioned perpendicular to the axis of said cathode, and variable potential means for providing a "virtual" focal point of electrons emitted from the cathode between the pair of deflecting plates, said point being at a different distance from the cathode than the point of minimum beam diameter.

2,179,917
MEDICINAL SUPPLEMENT AND METHOD OF MAKING
Henry Brinton, Coatesville, Pa.
No Drawing. Application February 3, 1936, Serial No. 62,169
22 Claims. (Cl. 167—81)

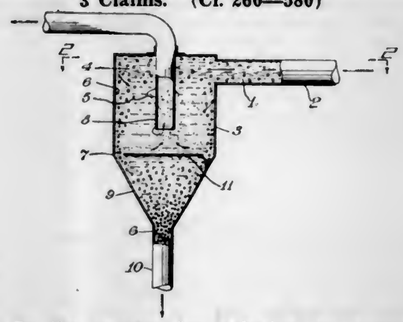
1. In the art of producing a vitamin-containing fish oil of artificially increased iodine content, the process which consists in adding iodine to the oil and in dispersing the oil in an aqueous dispersion medium in the presence of a dispersing agent at a stage of the iodization before the oil is fully saturated and before the oil becomes dark.

2,179,918
TUBE ROLLING MILL
Richard E. Brock, Ambridge, Pa.
Application July 6, 1938, Serial No. 217,665
5 Claims. (Cl. 80—13)



1. Means for forming seamless tubing from a pierced billet or work piece consisting of a plurality of outer rotatable reducing skew rolls each having a front preliminary uniformly tapered portion and a finishing cylindrical portion, and an inner rotatable expanding mandrel having a uniformly tapered end merging into an intermediate abruptly enlarged annular shoulder and a rear maximum diameter cylindrical portion parallel with and in final operative relation to the cylindrical portion of the outer rolls with an intervening finishing pass therebetween.

2,179,919
TREATMENT OF SLUDGES
Dugald M. Carr, Gibbstown, and William S. Pilcher, Wenonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 25, 1936, Serial No. 112,834
3 Claims. (Cl. 260—580)

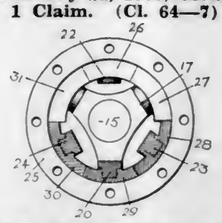


2. In the process for reducing an aromatic nitrocompound to an aromatic amine by means of iron with subsequent recovery of the excess iron from the resulting sludge, the novel step of recovering said unreacted iron, which step comprises adding liquid to said sludge to form a slurry, passing said slurry in a continuous stream through a settling chamber permitting the separation of the heavier particles upon deflection, abruptly deflecting said stream in a cyclonic path within said chamber, thereby causing the particles of metallic iron therein to settle, and removing said settled particles from the locus of the settling section.

2,179,920
COMPOUNDS OF THE PERYLENE SERIES
Erich Clar, Herrnskretschen-on-the-Elbe, Czechoslovakia, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 31, 1938, Serial No. 227,693
3 Claims. (Cl. 260—335)

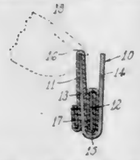
1. The compounds of the class consisting of 12,Bz-1-oxydo-1:2-benzperylene and 12,Bz-1-oxydo-1:2-benzperylene-3:10-quinone.

2,179,921
UNIVERSAL SHAFT COUPLING
John Joseph Cufflin, Verdun, Quebec, Canada
Application January 21, 1938, Serial No. 186,183
1 Claim. (Cl. 64—7)



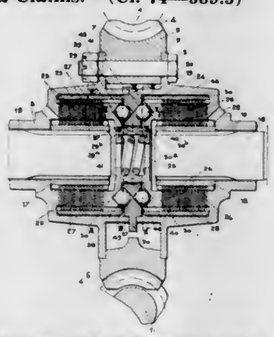
In a universal shaft coupling, a driving shaft, a driven shaft, a spherically shaped housing enclosing the adjacent ends of said driving and driven shafts and secured to one of said shafts, a forked shaped member within said housing and secured to said driving shaft, a forked shaped member within said housing and secured to said driven shaft, pins secured to the forked members, and segments corresponding in number to said pins and mounted thereon and having spherical faces engaging with the inner surface of said housing and adapted to co-ordinate with one another upon displacement occurring during longitudinal angular variations of said shafts.

2,179,922
MANICURE ACCESSORY
Arnold G. Dana, New Haven, Conn.
Application March 2, 1939, Serial No. 259,371
12 Claims. (Cl. 132—76.4)



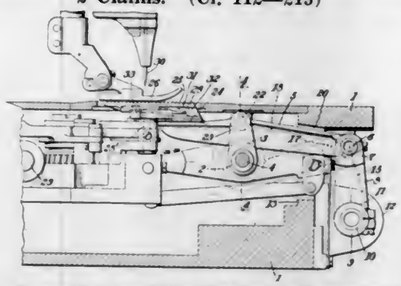
1. A finger nail cleansing appliance comprising a holder having a flat portion or wall with a free edge, and a flexible web trained over said free edge and adjustable to present fresh portions at said edge, a part of said web being stored within the holder.

2,179,923
DISK DIFFERENTIAL
Dimitri Sensaud de Lavaud, Paris, France
Application May 17, 1938, Serial No. 208,347
In France May 27, 1937
2 Claims. (Cl. 74—389.5)



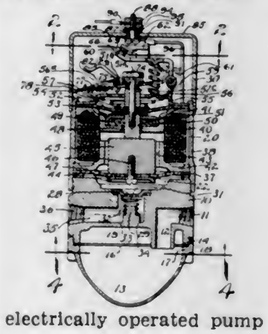
1. In a friction disk differential gear, in combination: a drum rotated from a driving shaft, two coaxial driven shafts journalled in the said drum, a driving ring keyed on the drum and arranged between the said shafts, friction disks keyed upon the said shafts, two lateral rings arranged each upon a side of the driving ring, balls interposed between opposed notches provided in the said rings for axially moving the lateral rings when occurs an angular displacement of the latter relatively to the driving ring, a hub upon one of the lateral rings protruding into the central opening of the driving ring and adapted to clutch with play with a similar hub of the other lateral ring, a spring interposed between the said lateral rings for spacing apart the same, and friction disks keyed upon the lateral rings and adapted for frictionally engaging the corresponding friction rings keyed upon the driven shafts.

2,179,924
SEWING MACHINE FEEDING MECHANISM
Albert H. De Voe, Livingston Manor, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 18, 1938, Serial No. 196,642
2 Claims. (Cl. 112—215)



1. A sewing machine having a reciprocatory needle, a feed-bar which is T-shaped in cross-section and has at one end thereof in the head of the T a grooved seat, a feed-dog mounted in said seat, said feed-bar being formed between its ends with an apertured bearing boss, a rotary shaft disposed forwardly of the needle and normal to the direction of feed, an adjustable feed-advance eccentric and a feed-lift eccentric on said shaft, a pitman connection between said feed-lift eccentric and the apertured boss in said feed-bar, a feed-rocker connected to be actuated by said feed-advance eccentric, and a pivotal connection between said feed-bar and feed-rocker.

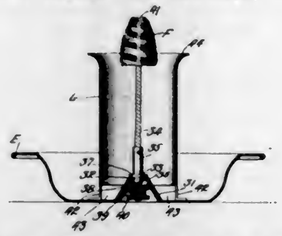
2,179,925
PUMP
Earl W. Dilg, Detroit, Mich., assignor to Autopulse Corporation, Detroit, Mich., a corporation of Michigan
Application November 22, 1935, Serial No. 51,008
9 Claims. (Cl. 103—53)



1. In an electrically operated pump compris-

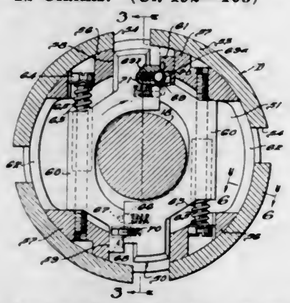
ing, a pumping unit, a switch unit for controlling said pumping unit and a switch operating member movable with said pumping unit to control the strokes thereof, sealing means secured and movable with said switch operating member and interposed between said switch unit and said pumping unit whereby said switch unit is sealed against leakage from said pumping unit to said switch unit.

2,179,926
PIPE SMOKER'S UTENSIL
Joseph H. Doncourt, Woodside, N. Y.
Application March 20, 1937, Serial No. 132,043
1 Claim. (Cl. 131—232)



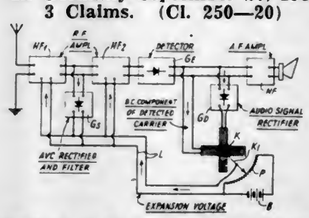
A pipe smoker's utensil comprising an ash receptacle, a pipe cleaning brush mounted thereover, a guard tube surrounding said brush and mounted on said receptacle, said guard tube having apertures at its lower end communicating laterally with said receptacle.

2,179,927
POWER TRANSMITTING DEVICE AND CLUTCH THEREFOR
Otto E. Fishburn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 27, 1936, Serial No. 92,781
12 Claims. (Cl. 192—105)



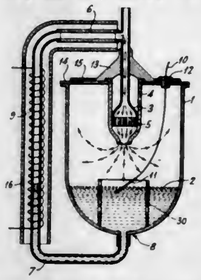
1. In an automatic clutch for drivingly connecting driving and driven shafts having releasable direct drive means operab'y associated therewith, said clutch comprising clutching structures respectively adapted for driving connection with said shafts for rotation in the same direction at relatively different speeds with one of said clutching structures leading the other during said direct drive, one of said clutching structures comprising a clutching element operated by centrifugal force to positively clutch with the other of said clutching structures when the rotational speeds of said clutching structures are approximately synchronized, and means rotatable with one of said clutching structures and operab'y engaging the other of said clutching structures for releasably holding said clutching element against centrifugal force movement during said direct drive, said holding means operating to release said clutching element in response to a reduction in the speed of said leading clutching structure to a speed thereof slightly less than that of the other of said clutching structures.

2,179,928
RECEIVER GAIN CONTROL CIRCUITS
Kurt Hagenhaus, Berlin-Siemensstadt, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 16, 1936, Serial No. 100,970
In Germany September 27, 1935
3 Claims. (Cl. 250—20)



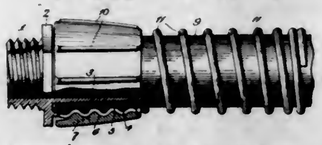
1. A method of expanding the volume range of a receiver of the type including at least one radio frequency amplifier tube, which includes detecting amplified modulated carrier energy to provide a direct current whose amplitude is proportional to carrier amplitude variation, rectifying the modulation voltage component of the detected carrier energy, controlling the gain of the amplifier tube in an increasing sense in response to both said rectified component and said direct current whereby the gain of said amplifier is dependent on the degree of modulation of the said carrier, and additionally automatically regulating the amplifier gain in accordance with carrier amplitude variation.

2,179,929
MERCURY ARC RECTIFIER
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 23, 1937, Serial No. 121,937
9 Claims. (Cl. 250—27.5)



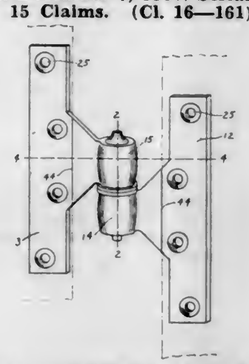
1. A mercury vapor rectifier comprising a container, a mercury pool cathode at the bottom of said container, an apertured anode within said container, an insulating shield supported by said container and surrounding said anode, said shield extending beyond said anode and having a constricted portion between said anode and cathode whereby the arc discharge path therebetween is restricted and means for establishing fluid communication from said cathode through the apertures in said anode.

2,179,930
HOSE COUPLING
George P. Harrington, Fairfield, Conn.
Application September 10, 1937, Serial No. 163,164
3 Claims. (Cl. 285—86)



1. A hose coupling of the class described comprising a shank adapted to be inserted into the bore of the hose and having an integral shoulder at one end to form an abutment against which the end of the hose bears; a split resilient compression sleeve integral with said shoulder and adapted to surround the exterior of the hose, the splits in said sleeve being extended from the hose end of the sleeve to a point in spaced relation to the shoulder so the end of the hose is totally enclosed, said sleeve being also provided with coarse inner and outer threads; and a cooperating collar having a tapered bore threaded to engage the outer threads on the compression sleeve and movable therealong to force the resilient sleeve into tight engagement with the hose.

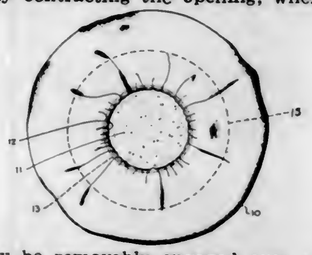
2,179,931
HINGE
Mark B. Harris, Birmingham, Mich.
Application December 7, 1937, Serial No. 178,502
15 Claims. (Cl. 16—161)



1. A hinge comprising a pair of leaves having knuckles assembled in axial alignment, each of said knuckles having a bore therethrough, a bushing in each of said knuckle bores, each of said bushings having an annular radially extending flange at one end thereof, said bushings being assembled in said bores so that said flanges are between said knuckles and the axial faces thereof serve as thrust bearings, the other end of one of said bushings being closed and the other end of the other of said bushings being shaped to form a lubricant receiving nipple, and a pintle journaled in said bushings and retained thereby.

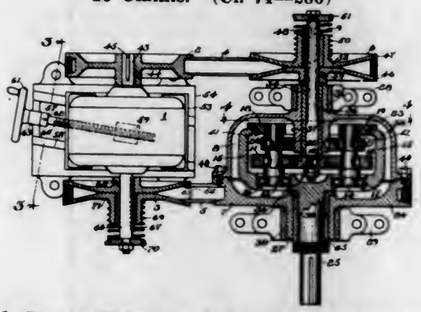
2,179,932
PACKAGE FOR ATTACHMENT TO SHOWER NOZZLES
Irene M. Hartman, Akron, Ohio
Application November 22, 1937, Serial No. 175,839
1 Claim. (Cl. 206—46)

A package for attachment to shower nozzles or spray-heads comprising a bag of porous material having water-treating materials therein, said bag having an opening therein, the marginal portion of the bag about said opening being adapted to be engaged over the peripheral edge of a shower nozzle or spray-head, said bag having an expansible band of elastic or resilient material around the marginal portion thereof and normally contracting the opening, whereby the



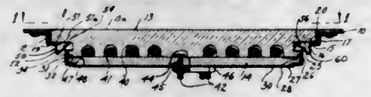
bag may be removably engaged over a shower nozzle with the treating materials therein arranged to receive the water issuing from the nozzle, said package being initially closed at the opening by a piece of sheet material arranged over the water treating materials and under said marginal portion of the bag, said sheet material being removable for placing the bag on a shower head.

2,179,933
VARIABLE SPEED TRANSMISSION DEVICE
Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors Inc., Los Angeles, Calif., a corporation of California
Application August 26, 1935, Serial No. 37,960
Renewed May 7, 1938
16 Claims. (Cl. 74—286)



1. In a variable speed drive, a planetary gear mechanism having two actuating members and a driven member, a load driving means engaged by the driven member of said planetary gear mechanism, a pair of pulley structures in respective driving relation to each of said actuating members, an electric motor having a shaft, a pair of pulley structures mounted on said motor shaft, a pair of belts for transmitting power between the pulley structures mounted on said motor shaft and the pulley structures in driving relation to said actuating members, one of said pulley structures mounted on said motor shaft having a fixed diameter and the other of said pulley structures having an adjustable effective diameter and including a pair of pulley sections with opposed inclined faces, forming by relative axial adjustment variable effective pulley diameters, means for adjustably mounting said motor to vary the center distance between the axis of said adjustable pulley structure and the axis of the pulley structure in driving relation thereto, and means for adjusting the effective diameter of said adjustable pulley structure in accordance with the adjustment of said center distance, whereby the speed of one of said actuating members may be altered with respect to the speed of the other of said actuating members.

2,179,934
ELECTRIC HEATING UNIT
Robert I. Jones, Van Nuys, Calif., assignor of forty-two per cent to Richard N. Wilson and ten per cent to Sydney Tannen, both of Los Angeles, Calif., and six per cent to Leonard D. Wilson, North Hollywood, Calif.
Application September 14, 1936, Serial No. 100,693
Renewed December 15, 1938
2 Claims. (Cl. 219—37)



1. In an electric heating unit, a high heat resisting disk composed of a material which is relatively transparent to infra red rays, a high heat resisting disk composed of a material which is relatively transparent to infra red rays positioned below said first mentioned disk, an electric heating element between and enclosed by said disks, and a reflector plate having an upper reflective surface below the lower disk and adapted to reflect infra red rays coming downwardly from the heating element back upwardly and through both said infra-red transparent disks.

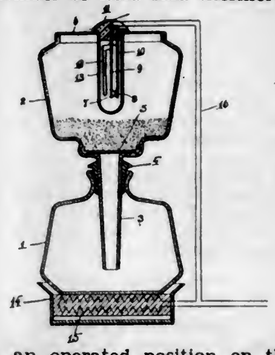
2,179,935
HIGH POTENTIAL CUT-OUT
Philip J. Kayatt, New York, N. Y.
Application May 28, 1937, Serial No. 145,199
1 Claim. (Cl. 200—118)



A cut-out of the shunting type including two fixed electrodes having at least a portion of their surfaces which face one another covered with a readily fusible solid insulating material, a third movable electrode normally insulated from both said fixed electrodes and making contact with said insulating material upon both said fixed electrodes, and means tending to move said movable electrode into contact with both said fixed electrodes upon the fusing of said insulating material.

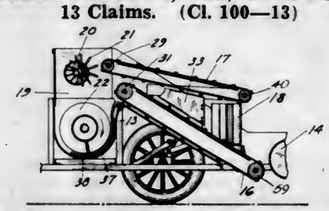
2,179,936
AUTOMATIC CONTROL FOR COOKING UTENSILS
Alvin D. Keene, Rochester, N. Y., assignor to Samson-United Corporation, Rochester, N. Y.
Application November 26, 1934, Serial No. 754,723
9 Claims. (Cl. 219—43)

1. In combination with a cooking utensil comprising an upper vessel and a lower vessel connected by a duct for the transfer of liquid from one vessel to the other vessel and a heater for heating the liquid in the lower vessel of said cooking utensil and forcing it through said duct into the upper vessel, of a thermoresponsive member located so as to be affected by the heat of the liquid in the upper vessel of said utensil, means operated by said thermoresponsive element for controlling said heater and electric heating means cooperating with said thermoresponsive member to hold said thermoresponsive



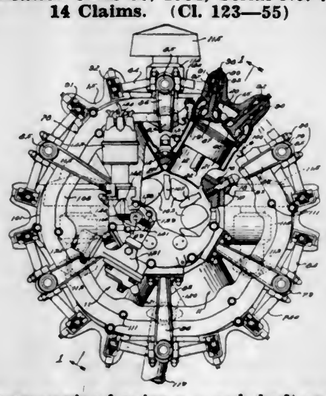
element in an operated position on the withdrawal of the liquid therefrom.

2,179,937
BALING MACHINE
Wilbert H. Lamp, near Davenport, Iowa
Application October 14, 1938, Serial No. 234,990
13 Claims. (Cl. 100—13)



1. A baling machine comprising an auger, a hopper in which the auger is arranged to rotate, a baling compartment communicating with said hopper and positioned to receive straw from said auger, means to direct substantially all of the straw to the end of said auger distant from said baling compartment, and means secured to the wall of the hopper in proximity to the end of the auger proximal to said baling compartment for directing translating straw around said auger.

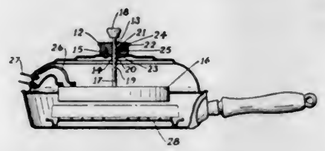
2,179,938
INTERNAL COMBUSTION ENGINE
Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application June 30, 1934, Serial No. 733,200
14 Claims. (Cl. 123—55)



1. In an engine having a crankshaft and a plu-

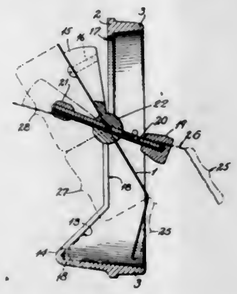
rality of cylinders radially positioned with respect to said crankshaft, each of said cylinders having an intake and an exhaust valve, a plurality of valve operating shafts, means for driving said shafts from said crankshaft, valve operating means operably connected to the intake valve of each cylinder, valve operating means operably connected to the exhaust valve of each cylinder, the valve operating means for the intake valve and exhaust valve of each pair of adjacent cylinders each including one of a pair of operating elements, means for positioning each pair of operating elements for actuation by a pair of said shafts, and means carried by said shafts for operating said elements.

2,179,939
BROILER UTENSIL
Saul Leibow, Providence, R. I., assignor of forty per cent to Ira Riffkin, Providence, R. I.
Application February 15, 1938, Serial No. 190,592
3 Claims. (Cl. 219—19)



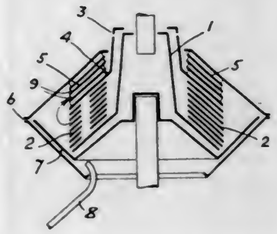
3. In combination, a cover for a cooking utensil, a heater element mounted in said cover, and means for adjustably setting said heater element in said cover, said means including a rod secured to said heater element and extending upwardly through and slidably mounted in said cover, spring means urging said rod upwardly through said cover, and releasable cooperating detent and pawl means on said rod and said cover for releasably retaining said rod in set position against the pressure of said spring means.

2,179,940
AUTOMATIC DAMPER
John F. Lawson, Nutley, N. J.
Application November 23, 1935, Serial No. 51,217
6 Claims. (Cl. 236—45)



1. In a device for fluid flow, a damper, means to hinge said damper on an axis extending crosswise of the damper at one side of the center of the damper, at least a portion of the part of the damper at the opposite side of said center being extended forwardly and at an angle of less than one hundred eighty degrees to the remainder of the damper, and a weight hinged to turn in an arc as the damper opens and closes, said weight being, when the damper is in its closed position, below the horizontal plane of the center about which it turns and, when the damper is in its full-open position, being above said horizontal plane.

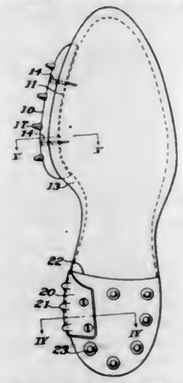
2,179,941
CENTRIFUGE FOR SEPARATING SUBSTANCES OF DIFFERENT SPECIFIC GRAVITIES
Hans Olof Lindgren, Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application February 23, 1938, Serial No. 191,924
In Sweden September 8, 1937
1 Claim. (Cl. 233—27)



A centrifugal separator for treating a mixture of constituents of three different specific gravities to effect a comparatively clean primary separation of lighter constituent and a less thorough separation of the heaviest constituent from the constituent of intermediate specific gravity, which comprises a rotatable bowl enclosing the separating chamber and having upper and lower walls converging toward a peripheral outlet, a top disc provided with a neck up inside of which the separated lighter liquid outflows, a lower set of discs below the top disc, means to feed the mixture to be separated to the lower part of the separating chamber, and an upper set of discs in the space between the top disc and the upper bowl wall, said space having at its inner end an outlet for the constituent of intermediate specific gravity, all said discs extending substantially parallel to the upper bowl wall and the spaces between them opening freely into an open outer separating space of substantial radial width between the outer edges of the discs and the peripheral outlet, thereby providing a separating zone for the primary separation of the lighter constituent including the spaces between the lower discs and said open space and a zone for secondary separation of the two heavier ingredients including the spaces between the upper discs and said open spaces.

2,179,942
GOLF SHOE ATTACHMENT
Robert A. Lyne, Pittsburgh, Pa.
Application July 11, 1938, Serial No. 218,544
9 Claims. (Cl. 36—2.5)

1. A golf shoe having a portion extending beyond a normal inner side edge thereof, said portion having a pivot face curved outwardly from and as a substantial continuation of the sole of the shoe, said portion being constructed and arranged and being balanced in such a manner that it will automatically direct the knee of a wearer

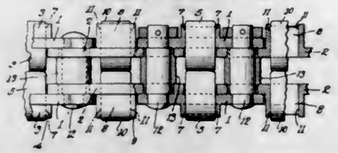


towards his other knee rather than outwardly where a golf stroke is being taken.

2,179,943
PROCESS FOR THE MANUFACTURE OF AMMONIUM THIOCYANATE
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 29, 1938, Serial No. 232,390
8 Claims. (Cl. 23—75)

1. A process for the manufacture of ammonium thiocyanate which comprises heating a suspension of ammonium dithiocarbamate in a neutral, non-ionizing, organic solvent in which the product is practically insoluble, to a temperature not over about 100° C. until the evolution of hydrogen sulfide is complete.

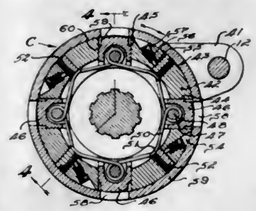
2,179,944
CHAIN
Albrecht Maurer, Bad Homburg vor der Hohe, Germany, assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application January 7, 1938, Serial No. 183,763
In Germany May 28, 1936
10 Claims. (Cl. 74—236)



1. In combination in a power transmission element a plurality of links, each formed of a plurality of tension members, said tension members being provided with a perforation and an integral, outwardly bent enlargement positioned thereabout, an anti-friction member positioned in each enlargement and partially within said perforation.

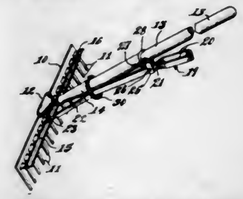
2,179,945
CLUTCH
Edwin R. Maurer, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 18, 1934, Serial No. 707,091
28 Claims. (Cl. 192—105)

1. In a clutch for drivingly connecting driving and driven members, a pawl carrying structure drivingly connected to one of said members, a pawl carried by the pawl carrying structure and adapted for centrifugal force movement in response to a predetermined speed of rotation of the pawl carrying structure, a pawl-receiving structure drivingly connected to the other of



said members and adapted to receive said pawl to provide a positive driving connection between said structures, a spring engaging said pawl and having end portions extending generally in opposite directions therefrom circumferentially of said pawl carrying structure, and means for adjusting one of said end portions.

2,179,946
RAKE CLEANER
Leo B. Miller, Chicago, Ill.
Application May 9, 1938, Serial No. 206,772
2 Claims. (Cl. 55—146)

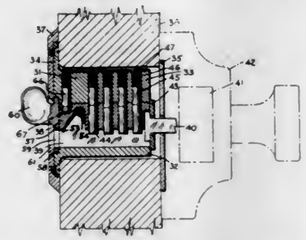


2. A rake cleaner comprising a handle member consisting of a strap doubled on itself intermediately with portions adjacent the bend spaced apart to form a gripping member, then brought together in contact and their free ends branching outwardly and twisted horizontally at right angles for connection with a cleaner bar, said bar having rake teeth engaging portions, a coil spring looped on the contacting portions of the handle and a clip having angular members between which said contacting portions are pivoted and having outstanding ears at right angles thereto for receiving a U-bolt to clamp the device beneath a rake handle.

2,179,947
LOCK
Samuel Miller, Brooklyn, N. Y.
Application April 1, 1936, Serial No. 72,163
20 Claims. (Cl. 70—364)

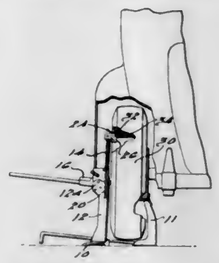
1. In a lock having a key for actuating said lock, a plug with a keyway for said key, a cover with a movement of play relatively to said plug between a first position in which it outwardly closes said keyway and a second position in which it clears said keyway so that it is outwardly open and said key may be inserted therein, a chamfered portion at the front and one side of said key and engaged by said cover when said key is inserted in said keyway and when said cover and plug are relatively moved from said second into said first position, so that said key is pushed into

said keyway behind said cover, and a mechanism normally arresting said movement of play at said



first position but releasing said plug when it is actuated by said key.

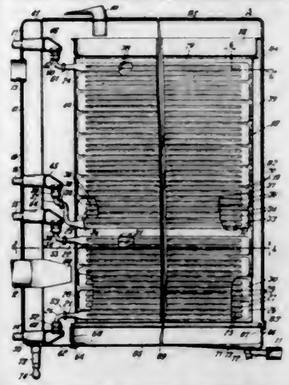
2,179,948
LIFTING MECHANISM
Joseph J. Mizer, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application August 5, 1939, Serial No. 288,550
5 Claims. (Cl. 254—133)



1. In a lifting device for a vehicle wheel, said wheel having a rim portion projecting therefrom which is outwardly and upwardly curved in a plane transverse to the plane of rotation of the wheel, said device having a base adapted to rest upon a supporting surface and a substantially linear column carried by the base and extending inclinedly upwardly therefrom at a fixed angle thereto, the combination of a head carried by the column at the top of the column, said head having a lifting lug projecting laterally therefrom in the direction toward which said column is inclined, said lug being of elongated, generally rounded form, the curvature of the body in a plane transverse to the length thereof being proportioned in accordance with the aforesaid curvature of said rim portion, and the upper surface of the body being arched on a radius approximately equal to the radius of the vehicle rim.

2,179,949
LIQUID TREATING PLANT
Harry G. Mojonnier, Oak Park, Ill., assignor to Mojonnier Bros. Co., a corporation of Illinois
Application May 2, 1938, Serial No. 205,424
5 Claims. (Cl. 257—202)

1. In a device of the class described, a group of relatively flat heat exchange elements arranged side by side in substantially parallel relation, said elements providing narrow intervening spaces, an inlet flue, a relatively wide and shallow nozzle at the outlet end of said inlet flue, the plane of said nozzle extending transversely of the planes of said elements, and the nozzle opening



being wide enough to embrace within its discharge area the adjacent edges of all of said elements.

2,179,950
MECHANICAL PENCIL
Lucifer J. Most, Hudson County, N. J.
Application March 18, 1939, Serial No. 262,589
10 Claims. (Cl. 120—18)

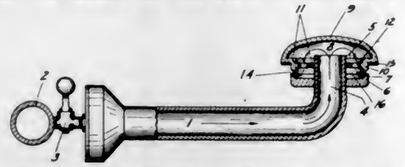


1. In a mechanical pencil, a barrel having a tip forming a lead outlet, a lead guide within the barrel at the outlet, said guide being adapted to prevent a lead from turning therein while permitting a lead to move longitudinally of said guide, a threaded die for engaging a lead directly, and associated with the guide to turn relatively thereto but prevented from moving longitudinally of said guide, and means for turning the die operable at the end of the barrel remote from the tip.

2,179,951
GAS STOVE BURNER
George Petersen, Davenport, Iowa, and Harry Petersen, Chicago, Ill.
Application May 14, 1938, Serial No. 207,914
3 Claims. (Cl. 158—117)

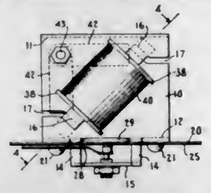
3. A gas burner comprising a feed pipe, the burner end of which is upwardly directed and externally screw-threaded, a centrally apertured plate having its aperture screw-threaded, said plate having its screw threads engaging the threads of the upwardly directed end of the pipe

and having its peripheral portion extending upwardly in a flange, the plate and its flange being spaced downwardly from the end of the pipe, and a cap member vertically adjustable on said upwardly directed end, said cap member having a downwardly directed circular flange to cooperate with the flange on the plate in defining a gas



outlet opening between said flanges, and said cap member extending laterally beyond said downwardly directed flange to direct liquids spilled on said burner away from the gas outlet opening, said cap extending continuously and imperviously about the end of said feed pipe from the edges of the flange defining said opening.

2,179,952
ELECTRICAL MEASURING INSTRUMENT
Louis M. Pignolet, Chatham, N. J.
Application June 3, 1936, Serial No. 83,208
9 Claims. (Cl. 171—95)



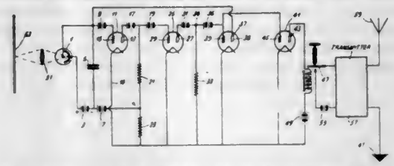
1. An electrical instrument comprising relatively movable parts, one of which includes a magnetizable core having an air gap and an energizing coil for inducing flux through the gap in the core, and the other of which includes a vane type armature inclined to the direction of the flux in the gap and located substantially wholly within the gap.

2,179,953
CIGARETTE PAPER
Earle C. Pitman, Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1936, Serial No. 116,535
8 Claims. (Cl. 131—36)

1. A water-resistant cigarette paper comprising a discontinuous coating of a wax and a mineral oil, said wax having a melting point of about 60° C.

2,179,954
PHOTOCELL AMPLIFIER
Richard Howland Ranger, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 6, 1935, Serial No. 25,220
3 Claims. (Cl. 178—7.1)

1. A facsimile system comprising in combination, a light translating device, an electric storage element connected with the light translating device and adapted to have stored therein an electrical charge of a magnitude varying in time in accordance with the brilliance of light influencing the light translating element, a thermionic amplifying system connected with said storage element so that the energy output of said system is proportional to the time integrated value of light intensity influencing said light translating device, means for controlling the output of said thermionic amplifying system so that the current



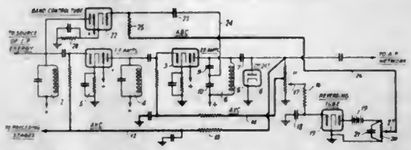
flow therethrough takes place whenever the integrated value exceeds a predetermined value, and a relay connected in the output of the said thermionic amplifying system whereby said relay is actuated at a rate proportional to the integrated product of the time and brilliance of the light influencing said light translating element.

2,179,955
TRAILER HITCH
William Rawnsley, Avalon, N. J.
Application October 4, 1937, Serial No. 167,090
6 Claims. (Cl. 280—33.44)



3. A trailer hitch comprising a draft member adapted to be secured to a trailer, a draft member adapted to be secured to a towing car and means for connecting adjacent ends of said draft members, said means including a pin extending axially within said draft members from their adjacent ends and freely movable both longitudinally and rotatably within said draft members and means engaging the adjacent ends of said draft members and securing them together while permitting rotation of the members with respect to each other.

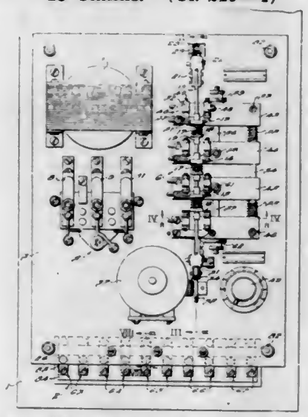
2,179,956
AUTOMATIC SELECTIVITY CONTROL CIRCUITS
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 19, 1936, Serial No. 80,496
6 Claims. (Cl. 179—171)



4. An amplifier of controllable frequency characteristics which comprises three shunt admittance elements and two one-way repeater tubes, said elements being resonant to a common frequency and being in cascade, the second element coupling the two repeater tubes in cascade, a third one-way repeater tube having its grid maintained at a fraction of the voltage across the third admittance, its plate being connected to a point of the first element having an alternating current potential whose ratio to the po-

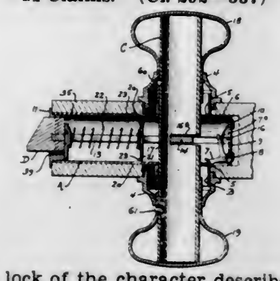
tential on the grid of the first of the two repeaters is a fixed real quantity, and means for varying the transconductance of one of said repeaters.

2,179,957
WELDER CONTROL SYSTEM
Frank H. Roby, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application July 1, 1937, Serial No. 151,358
15 Claims. (Cl. 219—4)



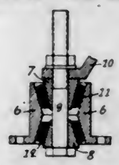
1. In a welder control system for electrically welding work by passing current therethrough between electrodes pressed against the work, a motor driven contact making and breaking member, an electromagnetic contactor for controlling the passage of current through the work, an energizing circuit for said contactor including said motor driven contacts, means for initiating a welding cycle, and means for preventing energization of said contactor by said motor driven contacts until after the motor driven member has passed through a position corresponding to the "off" period in the welding cycle after actuation of said initiating means.

2,179,958
DOOR LATCH CONSTRUCTION
Walter R. Schlage, Palo Alto, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application January 17, 1938, Serial No. 185,372
11 Claims. (Cl. 292—337)



1. In a lock of the character described a latch bolt housing and a housing enclosing a latch bolt actuating mechanism, a resiliently mounted member interlocking the housings, and means actuated by a latch bolt in the latch bolt housing for releasing the interlocking member.

2,179,959
ELASTIC JOINT OR SUPPORT
Rolf Schroedter, Mehlem-Rhine, Germany, assignor to Leon Thiry, Huy, Belgium
Application September 28, 1937, Serial No. 166,081
In Germany November 6, 1936
7 Claims. (Cl. 287—85)



4. An elastic joint between two members subjected to efforts urging one member towards the other comprising two pairs of coaxial tapered elements carried by said members, each pair of tapered elements comprising a male element carried by one of said members and a female element carried by the other member and having the same inclination as said male element, and said pairs of tapered elements being arranged so that the two elements of one pair are brought nearer each other when the two elements of the other pair are moved away from each other, and between the two tapered elements of each pair a ring of elastic material having when uncompressed a circular cross section, said rings being at a distance from each other and in contact exclusively with the tapered elements of the corresponding pair of elements and being adapted to roll freely in both axial directions for relative displacements between said members.

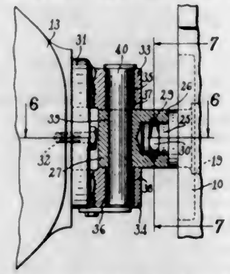
2,179,960
AGGLOMERATED MATERIAL IN PARTICULAR FOR ELECTRICAL PURPOSES AND SHAPED BODIES MADE THEREFROM
Paul Schwarzkopf, Reutte, Austria
No Drawing. Application June 23, 1937, Serial No. 149,840. In Germany November 28, 1931
7 Claims. (Cl. 75—22)

1. An agglomerated material, in particular for electrical purposes, and shaped bodies made therefrom, consisting of at least one metal selected from a first group consisting of tungsten, molybdenum and tantalum, and at least one metal selected from a second group consisting of silver, nickel, cobalt, iron, copper, aluminum, gold, chromium, tin, zinc, platinum, the metal of said first group present in individual dense particles coarser than those of the original metal powder obtained from its compounds or ores, and obtained in such coarser state by heat treatment at temperatures at least as high as sintering temperature and subsequent powdering, the metal of said second group forming substantially a solidified melt agglomerating said individual coarse particles and present in amounts of about 3% to 90% of the material or bodies.

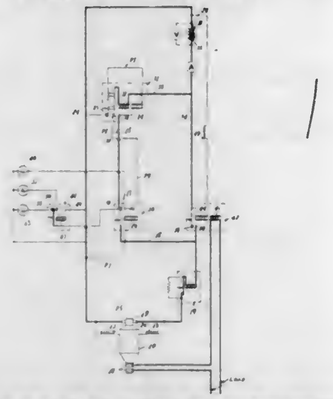
2,179,961
RUBBER MILL OR THE LIKE
Carl F. Schnuck, New Haven, Conn., assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn., a corporation of Connecticut
Application April 15, 1937, Serial No. 137,127
11 Claims. (Cl. 18—2)

9. A rubber or like mill having a pair of cooperating rolls, a member through which pressure may be applied upon the neck of one of said rolls, a suitably mounted adjusting screw, an element rotatably connected thereto, and a pin

hingedly connecting said element to said member to transmit pressure to said member from said adjusting screw, said member and said element carrying cooperating knuckles through which said pin passes and by which said pin may be sheared off under excessive pressure.



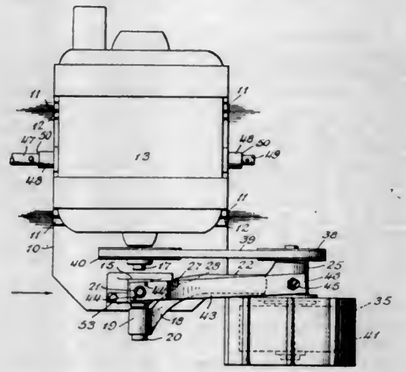
2,179,962
ELECTRIC GENERATING SYSTEM FOR AIRCRAFT AND DOMESTIC SERVICE
William B. Scott, Cassoday, Kans.
Application November 23, 1936, Serial No. 112,213
9 Claims. (Cl. 290—44)



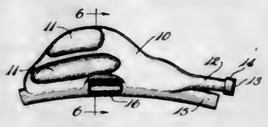
3. In a power plant of the character described, the combination of a wind-motor having blades of variable pitch, an electric machine having direct and alternating current windings actuated by said wind-motor, a storage battery charged by the current generated by the direct current portion of said electric machine when actuated by said wind-motor, a relay for electrically connecting and disconnecting said battery to and from said electric machine controlled by said charging currents, another relay for electrically isolating said battery from said electric machine when said battery becomes fully charged, the latter relay operated by battery voltage with predetermined setting.

2,179,963
MACHINE FOR CLEANING CORRUGATED PLATES OR MOLDS
Charles C. Spadone, Rockville Centre, N. Y.
Application July 21, 1938, Serial No. 220,440
1 Claim. (Cl. 15—77)

A machine for cleaning corrugated plates and molds, comprising a supporting plate, wheels carrying said supporting plate and provided with peripheral flanges shaped and dimensioned to fit the corrugations of said plates and molds and arranged to be tracked therein, a motor mounted on said supporting plate, an upright standard fixed on said supporting plate, an arm having its one end pivotally connected with the upper end of said standard, a bearing housing adjustably secured to the other end of said arm, a shaft journalled in said housing and projecting beyond the same in opposite directions, a buffing wheel mounted on said shaft exteriorly of said housing at one side thereof and arranged to engage the corrugated plates and molds, a pulley fixed upon said shaft exteriorly of said housing at the opposite side thereof, a co-operating pulley on the driving shaft of said motor, a spring having one end fastened to said standard and its free end projecting over said housing, an adjusting screw carried by said spring at its free end in engagement with said housing for selectively adjusting the tension of said spring and transmitting said tension to said housing whereby the pressure of said buffing wheel on said plates and molds is selectively controlled, and means for moving said machine along the corrugations of said plates and molds while said buffing wheel is rotatively actuated by said motor.

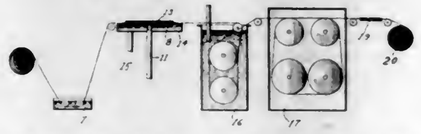


2,179,964
SURGICAL PACK
Ralph W. Stevens, Madison, Wis.
Application March 22, 1937, Serial No. 132,277
4 Claims. (Cl. 128—148)



4. A nasal pack of the fluid-pressure type adapted to be positioned in a human nasal fossa, said pack comprising a pressure-distensible bag having thin, extensible rubber walls defining a single, uninterrupted pocket, said bag being preformed with a generally flat configuration and a roughly triangular outline conforming closely to the gross contour of a human nasal fossa, the medial face of the bag being smooth and adapted to lie against the nasal septum, the lateral face of the bag having molded indentations adapted to fit the turbinate bones, said bag terminating at one end in a tubular extension providing means for injecting and withdrawing fluid into and from the bag.

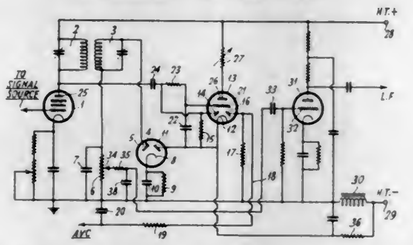
2,179,965
INSULATED CONDUCTOR
Edward C. Strube, Rome, N. Y., assignor, by mesne assignments, to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application April 17, 1931, Serial No. 530,847
20 Claims. (Cl. 174—125)



9. Apparatus for coating a filament with a coagulable fluid composition, comprising a tubular open-ended conduit disposed in a substantially horizontal position, means for passing the filament longitudinally through the tubular conduit in a widely spaced relation thereto, and means for flowing the coagulable composition through the conduit in such manner as substantially to fill the conduit for a substantial longitudinal distance, the apparatus being so related to the filament to be coated as to permit a free flowing of the coagulable composition about the filament, through the conduit and out the open ends of the conduit.

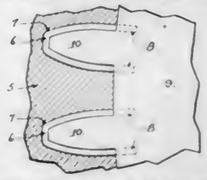
13. An electrical conductor insulated with an in-situ deposit of solids from latex, said deposit including the water-insoluble reaction product of a metallic salt and at least some of the normally water-soluble ingredients of said deposit naturally occurring in the latex.

2,179,966
NOISE SUPPRESSION CIRCUITS
Kenneth Reginald Sturley, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1938, Serial No. 210,419
In Great Britain July 15, 1937
6 Claims. (Cl. 250—20)



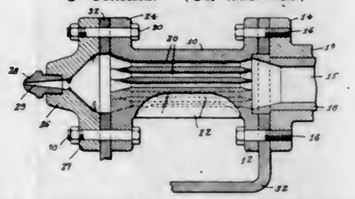
1. In combination in a radio receiver provided with a signal carrier transmission network, a demodulator coupled to said network, and including a demodulation voltage output circuit, a control circuit for the receiver comprising a signal rectifier coupled to said network and adapted to derive a direct current voltage from rectified signal current, an electron discharge device including an impedance in the space current path thereof, means for impressing said direct voltage on said device to control the current flow through said impedance, a second signal rectifier coupled to said network and adapted to derive a second direct current voltage from rectified signal current, means connecting said second rectifier to said demodulator so as to cause said second direct voltage to render the demodulator ineffective to produce demodulation voltage, and connections between said second rectifier and said impedance for rendering said second rectifier ineffective upon the current flow through the impedance decreasing below a predetermined value.

2,179,967
GEAR WHEEL
Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application April 22, 1938, Serial No. 203,532
1 Claim. (Cl. 74—460)



A gear wheel comprising a body of cast metal having integral gear teeth thereon, each of said gear teeth being provided with an individually formed facing strip of wear resistant sheet metal closely fitting the contour of the tooth, said facing strips having their inner ends cast directly into said gear body whereby they are firmly secured in place.

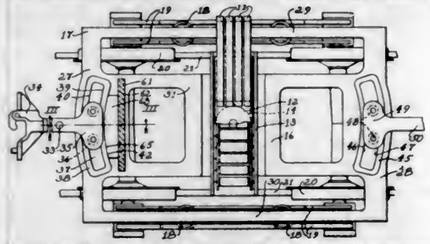
2,179,968
APPARATUS FOR TREATING MOLDABLE MATERIALS
Ralph E. Thompson, Brookline, Mass.
Application February 23, 1938. Serial No. 192,073
5 Claims. (Cl. 219—39)



1. An apparatus for treating thermo-plastic material, which comprises an elongated one-piece conduit provided with a plurality of concentric rows of small bore passages and radial slots adjacent said passages, a U-shaped band of conducting material having its ends clamped to the ends of said conduit, and a transformer circuit including said U-shaped band and said conduit in the secondary circuit.

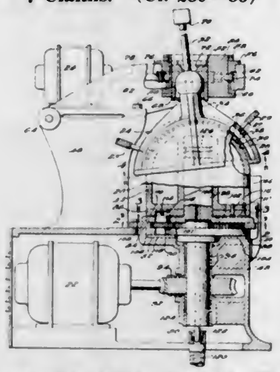
2,179,969
RAILWAY VEHICLE
William Van Der Sluys, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 29, 1937, Serial No. 145,403
5 Claims. (Cl. 105—199)

1. In a railroad vehicle, a truck frame, a car body, means mounted on said truck frame including cooperating roller and transversely extending arcuate track members, supporting springs and a center bearing, said means being adapted to support said car body and permit it to move with respect to said truck frame by permitting it to tilt about a fixed axis extending longitudinally of the car body to neutralize the unbalancing effect of centrifugal force, in a vertical transverse plane, and about a vertical axis extending through the center bearing, and a floating block having surfaces extending parallel to the aforesaid paths of movement and adapted to maintain sliding



contact with a member on said body and a second member on said truck frame at all times and adapted to transmit only draft forces therebetween.

2,179,970
PIGMENT MIXING APPARATUS
David A. Wallace, Detroit, Mich.
Application December 28, 1936, Serial No. 117,753
7 Claims. (Cl. 259—85)



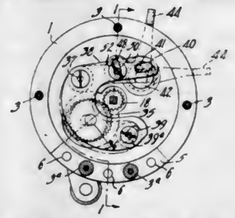
1. In a machine of the class described, an inner member having a spheroidal portion formed at the end thereof, an outer member having a spheroidal portion adapted to be fitted over said first portion, said inner and outer members being adapted to receive a film of material to be operated upon between them, means for effecting axial rotation of said inner member at a continuously varying rate, and additional means for effecting an oscillation of said outer member about said inner member, to thereby work said material.

2,179,971
MEANS AND METHOD OF SECTIONALIZING COAXIAL CABLES
Jesse F. Wentz, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 29, 1937, Serial No. 122,967
5 Claims. (Cl. 174—22)



1. Two sections of coaxial cable and a sealing joint therefor, said two sections of coaxial cable each having a central conductor, a tubular conductor coaxial with the central conductor and a lead sheathing enclosing said tubular conductor, said joint comprising a short section of a central conducting rod connected to the central cable conductors, a still shorter open ended gas impervious conducting sleeve coaxial with said rod and of substantially the same inner and outer diameters as the tubular cable conductors and connected thereto, a gas impervious seal between said rod and sleeve of insulating material closely adhering to said rod and sleeve for a substantial part of the length of said sleeve, a lead sleeve connecting said conducting sleeve with one of the cable sheaths, and a lead sleeve connecting said conducting sleeve with the other cable sheath, said lead sleeves being connected to said sheaths and said connecting sleeve by gas impervious annular joints.

2,179,972
FISHING REEL
Walter L. Adams, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio
Original application September 28, 1931, Serial No. 565,506. Divided and this application July 10, 1936, Serial No. 89,895
2 Claims. (Cl. 242—84.7)



2. In a reel structure, an end plate, a spool, a pinion on the spool, a lever pivoted intermediate its ends on the end plate, a crank shaft and driving gear carried on one arm of said lever adjacent its pivot, means engaging the free end of said lever arm for holding it to the end plate, means associated with the free end of the other arm of the lever for shifting the lever to move the said driving gear into and out of mesh with said pinion, and means engaging the lever arm between the pivot and said shifting means for holding said arm to the end plate.

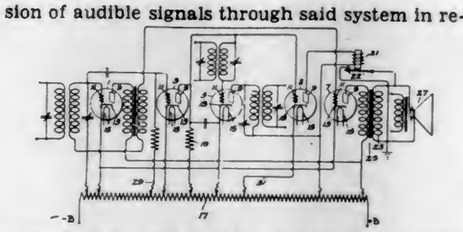
2,179,973
POLYVINYL HALIDE COMPOSITIONS
Claude H. Alexander, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 16, 1938, Serial No. 219,627
6 Claims. (Cl. 260—88)

4. A composition of matter comprising a polyvinyl halide and a silicate of the class of metals consisting solely of calcium, barium, strontium, lead, and silver.

2,179,974
SIGNAL RECEIVING SYSTEM
George L. Beers, Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 15, 1930, Serial No. 475,474
12 Claims. (Cl. 250—20)

1. In a radio receiving system, the combination with an automatic volume control device and an amplifier controlled thereby, of a second control device directly connected with said volume control device whereby it is controlled jointly with the amplifier, and means controlled by the second named device for preventing the transmis-

sion of audible signals through said system in re-



sponse to received signals of an amplitude lower than a predetermined value.

2,179,975

COMPOSITION FOR PREPARING POLYSTYRENE FILMS

Edgar C. Britton, Midland, Mich., Harry Borden Marshall, Toronto, Ontario, Canada, and Clyde W. Davis, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 12, 1937, Serial No. 153,211

3 Claims. (Cl. 260—32)

3. A composition for preparing polystyrene films which comprises polystyrene and a solvent consisting essentially of an aromatic compound selected from the class consisting of aromatic hydrocarbons and chlorinated aromatic hydrocarbons, and between about 1 and about 5 per cent of dioxan.

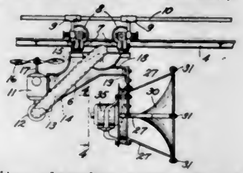
2,179,976

MONITOR CLEANER

Curran S. Easley, La Grange, Ga., assignor to The American Mono Rail Company, Cleveland, Ohio, a corporation of Ohio

Application January 4, 1938, Serial No. 183,326

3 Claims. (Cl. 230—253)



1. In monitor cleaning apparatus, a track and a blower unit supported by said track, said unit including a propeller fan adapted to discharge a stream of air in a direction generally parallel to the direction of movement of said unit on said track, means for driving said fan, an outwardly flared annular inlet housing disposed around the periphery of said propeller fan, and a generally conical deflector in the path of said stream of air, said deflector being shaped to create a disc shaped stream of air moving substantially at right angles to the direction of movement of said unit on said track.

2,179,977

PROCESS FOR THE MANUFACTURE OF LEVO-ASCORBIC ACID

Franz Elger, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application November 7, 1936, Serial No. 109,794. In Switzerland November 26, 1935

5 Claims. (Cl. 260—344)

1. A process for the manufacture of levo-ascorbic acid, which comprises heating a substance selected from the group consisting of 2-keto-levo-gulonic acid and derivatives thereof which are easily split with acids, in a solution having an acid reaction and comprising as the solvent a mixture of a liquid in which levo-ascorbic acid is easily soluble and chloroform.

2,179,978

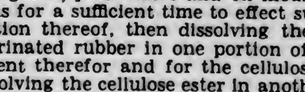
PROCESS FOR THE MANUFACTURE OF LEVO-ASCORBIC ACID

Franz Elger, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Original application June 6, 1936, Serial No. 84,010. Divided and this application August 29, 1938, Serial No. 227,430. In Switzerland June 18, 1935

3 Claims. (Cl. 260—344)

1. In a process for the manufacture of levo-ascorbic acid the step comprising heating a compound of the formula



wherein R represents a radical selected from the group consisting of hydrogen and alkyl radicals in the presence of an alkali of a weak acid in substantially anhydrous alcoholic solution.

2,179,979

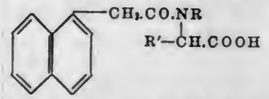
α-NAPHTHACETYL-AMINO ACIDS AND PROCESS FOR THE MANUFACTURE OF SAME

Otto Isler, Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application January 13, 1939, Serial No. 250,845. In Switzerland February 2, 1938

12 Claims. (Cl. 260—518)

1. Compounds of the general formula



wherein R and R' are selected from the group comprising hydrogen and alkyl radicals.

2,179,980

PROCESS FOR TREATMENT OF CHLORINATED RUBBER AND PRODUCTS THEREOF

Heinrich Michaelis, Jr., Berlin-Waidmannslust, Germany, assignor to Richard M. Ritter, Frankford, Philadelphia, Pa.

No Drawing. Application April 28, 1937, Serial No. 139,462. In Germany May 23, 1936

4 Claims. (Cl. 260—735)

1. The process of preparing a homogeneous, stable and non-separating composite product of chlorinated rubber and a cellulose ester which comprises heating the chlorinated rubber to a temperature above 100° C. for a prolonged time with a treating agent consisting of at least one member of the group consisting of drying oils, non-drying oils, plasticizers and oil modified alkyd resins for a sufficient time to effect sufficient modification thereof, then dissolving the modified chlorinated rubber in one portion of a mutual solvent therefor and for the cellulose ester, then dissolving the cellulose ester in another portion of the mutual solvent and then blending the two solutions.

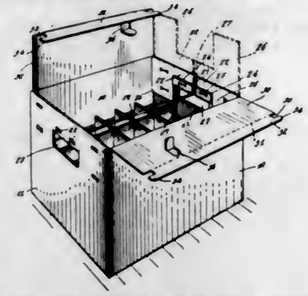
2,179,981

CARTON

Joseph A. Mooter and Fred Hamlin, Terre Haute, Ind., assignors to The Wabash Fibre Box Company, Terre Haute, Ind., a corporation of Indiana

Application March 13, 1939, Serial No. 261,572

6 Claims. (Cl. 229—52)



1. In combination, a container having a bottom, side walls, and end walls, and a reinforcing frame within said container, said frame having a bottom portion conforming in size and shape to the container, a yoke secured to each end of said reinforcing frame and extending upwardly therefrom along the inner surface of the adjacent end wall for substantially the entire height thereof, said yoke having a cross-piece intermediate its height, each of said end walls being provided with a cut-out tongue folded inwardly and upwardly around the cross-piece of the associated yoke and secured to the body of the end wall above said cross piece, each end wall of the box having an extension folded inwardly and downwardly over the top of the associated yoke and secured to the body of the end wall.

2,179,982

ZIRCONIA ZIRCON SILICON REFRACTORY

John D. Morgan, South Orange, N. J., assignor to Power Patents Company, Hillside, N. J., a corporation of Maine

No Drawing. Application March 17, 1937, Serial No. 131,456

3 Claims. (Cl. 106—9)

1. A method of making a bonded refractory which comprises mixing about 16–66 parts by weight of finely crushed zirconia (through 200 mesh) with 2–8 parts by weight of milled grain zircon, wetting the mixture with water and about 6 parts by weight of phosphoric acid to a creamy consistency, reducing the mixture to the consistency of a thick paste by digestion for several hours at a temperature ranging from about 200–350° F., adding water to increase the fluidity of the mixture and thoroughly admixing therewith about 76–20 parts by weight of coarsely ground ferrosilicon (10–60 mesh), digesting the mixture while agitating it and while heat drying the mixture to a suitable consistency for casting and shaping, drying and heat hardening the product.

2,179,983

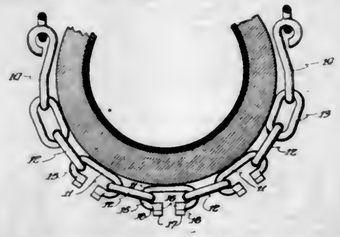
TIRE CHAIN

Orville W. Nesbitt, Chicago, Ill., assignor of one-third to Zaffereos J. Sermopoulas, Chicago, Ill.

Application July 5, 1938, Serial No. 217,428

2 Claims. (Cl. 152—243)

1. A tread member for tires comprising a body arranged to rest against a tire and having extensions at its ends extending downwardly and under the bottom thereof terminating in T-



heads with spaces between them to form entry slots for chain links the sides of said T-heads being bent downwardly to engage the roadway.

2,179,984

PROCESS FOR THE MANUFACTURE OF THIAZOLES HAVING A HYDROGEN ATOM IN THE 2-POSITION

Hans Spiegelberg, Basel, Switzerland, assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application February 12, 1938, Serial No. 190,332. In Switzerland March 12, 1937

4 Claims. (Cl. 260—302)

1. A process for the manufacture of 4-methyl-5-hydroxyethyl-thiazole which comprises reacting hydrogen peroxide with 2-mercapto-4-methyl-5-(β-acetoxyethyl)-thiazole in concentrated hydrochloric acid solution, maintaining a temperature substantially at or below 70° C. during the addition of hydrogen peroxide and adding barium chloride to precipitate the sulphuric acid formed.

2,179,985

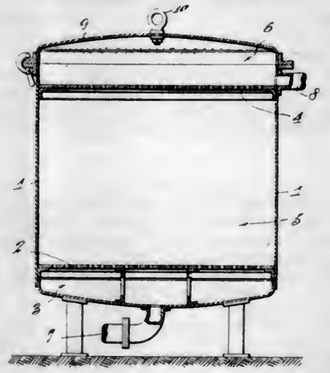
AFTER-TREATMENT OF YARN OF ARTIFICIAL ORIGIN

Johann Joseph Stoeckly, Teltow-Seehof, and Kurt Schmidt, Kassel-Bettenhausen, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application October 1, 1936, Serial No. 103,558

In Germany October 5, 1935

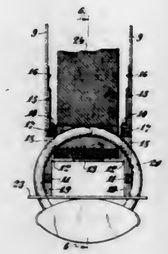
6 Claims. (Cl. 8—158)



1. In a process for the after-treatment of yarn

of artificial origin the step of only partially filling a compartment of a tank with such spun goods, passing uniformly distributed after-treating liquid from below through said spun goods, controlling the rate of flow of the treating liquid through said spun goods so that a uniform distribution of the goods in the said tank takes place and discharging the after-treating liquid from the upper end of the tank.

2,179,986
SHEET LIFTER
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application November 14, 1938, Serial No. 240,301
12 Claims. (Cl. 129—4)



1. A sheet lifter, comprising spaced lifter leaves and a flat stiff bridge and spacer hingedly connected with said lifter leaves above the lower edges of the latter and holding said lifter leaves in definitely spaced relation.

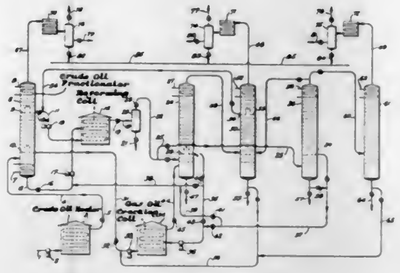
2,179,987
PREPARATION OF 1-HYDROXY-BENZOTHIAZOLE
Edward M. Van Duzee, deceased, late of Midland, Mich., by Clarence H. Macomber, administrator, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 2, 1937, Serial No. 151,724
6 Claims. (Cl. 260—304)

1. The process for making 1-hydroxybenzothiazole which comprises hydrolyzing 1-mercaptobenzothiazole with an aqueous alkali in the presence of an oxidizing agent at a temperature below approximately 25° C., and thereafter separating 1-hydroxybenzothiazole directly from the reaction mixture without acidification thereof.

2,179,988
PREPARATION OF ASPHALT
Charles H. Whitacre, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 22, 1937, Serial No. 175,773
3 Claims. (Cl. 196—74)

3. A process of making asphalt, which comprises oxidizing a mixture of asphaltic residuum and cylinder stock, discontinuing such oxidizing operation and subjecting the material to the action of about one-tenth to one percent of aluminum chloride at elevated temperature but not substantially higher than in the oxidizing operation.

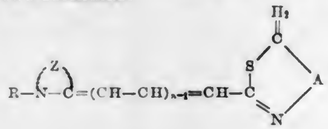
2,179,989
MOTOR FUEL PRODUCTION
George Armistead, Jr., Scarsdale, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application October 23, 1937, Serial No. 170,601
3 Claims. (Cl. 196—48)



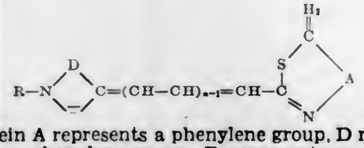
1. The method of treating hydrocarbon oils to produce therefrom lower boiling hydrocarbon oils including motor fuel oil which comprises distilling crude petroleum to separate therefrom a crude residuum, a gas oil condensate and a naphtha condensate comprising gasoline constituents, passing said naphtha condensate to an elongated cracking zone of restricted cross-section while applying heat to said elongated heating zone to subject the naphtha to cracking conditions of temperature and pressure adequate to effect conversion into motor fuel constituents of high anti-knock value, introducing said crude residuum to said elongated cracking zone intermediate the ends thereof into admixture with the naphtha after it has been subjected to substantial conversion therein whereby said crude residuum is raised to a cracking temperature to thereby effect conversion thereof to lighter products during the passage of the admixed hydrocarbons through the remainder of said elongated cracking zone, separating resultant cracked products from said elongated cracking zone into vapors and residue, fractionating resultant separated vapors to separate therefrom a heavy gas oil condensate and a desired distillate, directing gas oil condensate from the crude distillation to a second elongated cracking zone of restricted cross-section while applying heat thereto to subject the condensate to cracking conditions of temperature and pressure to effect cracking thereof into lighter products including motor fuel constituents, introducing aforesaid heavy gas oil condensate into the second elongated cracking zone intermediate the ends thereof and into admixture with the condensate therein, after the latter has been raised to a cracking temperature and subjected to substantial cracking, to thereby subject said heavy gas oil condensate to cracking conditions to effect conversion thereof into lighter products during the passage of the admixed hydrocarbons through the remainder of the second elongated cracking zone, and fractionating resultant cracked products from the second elongated cracking zone to recover desired products.

2,179,990
DYES AND PROCESS FOR THE PREPARATION THEREOF
Bernard Bellenson, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 2, 1939, Serial No. 254,256. In Great Britain February 5, 1938
13 Claims. (Cl. 260—240)

1. A dye base characterized by one of the following two formulas:

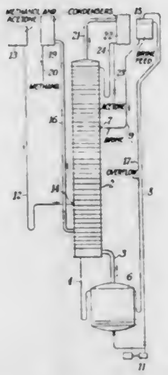


and



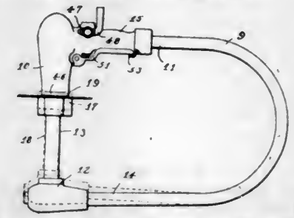
wherein A represents a phenylene group, D represents a phenylene group, R represents an alkyl group; *n* represents a positive integer not greater than two and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of five-membered and six-membered heterocyclic nuclei.

2,179,991
PROCESS FOR THE SEPARATION OF METHANOL AND ACETONE MIXTURES
Albert G. Bright and Webster E. Fisher, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 9, 1937, Serial No. 119,820
9 Claims. (Cl. 202—56)



2. A process for separation of methanol-acetone mixtures, which comprises charging a column with a methanol-acetone mixture to be treated, vaporizing the methanol-acetone mixture, contacting the vapors with an aqueous brine solution, whereby acetone is recovered at the head of the column and methanol and brine at the base of the column.

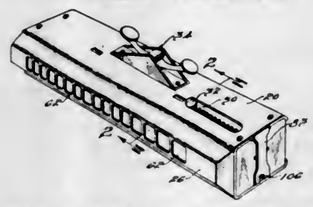
2,179,992
PNEUMATIC FENDER TOOL
Roy J. Champayne, Rockford, Ill.
Application November 26, 1934, Serial No. 754,716
32 Claims. (Cl. 153—32)



1. A tool of the class described comprising a one-piece generally U-shaped resilient frame having the ends of the two arms thereof adapted to be spread apart but disposed normally in a certain spaced relation prior to their straddling a fender or other sheet metal body to be hammered, and a hammer head and an anvil arranged to be carried on said frame so as to project inwardly from said arms toward each other and engage opposite sides of the metal at a point in the area to be operated upon, the hammer head having a power-operated reciprocable striker therein to hammer the metal adjacent the point of engagement therewith by said head, said head and anvil in normal operative relation holding the arms spread apart, whereby the head and anvil are resiliently urged toward each other for the purpose described, and means for mounting said head and anvil on said frame whereby the arms of said frame are arranged to be spread apart automatically in the application of the tool to the work.

9. A power operated tool of the character described comprising in combination a generally U-shaped frame member of reduced cross-section whereby it has a desired degree of flexibility, said frame member being so formed that it is adapted to straddle a metal body to be hammered, a hammer head having a power operated striker reciprocable therein and arranged to engage one side of the work, a die arranged to engage the other side of the work, a die holder whereon the die is removably held, and tubular bearing portions provided on the hammer head and die holder larger in cross-section than the frame member, whereby the bearing portion on the hammer head is adapted to serve as a handle, and said portions are adapted to receive therein the ends of said frame member to mount the head and die thereon.

2,179,993
HARMONICA
Clarence J. Davies, Detroit, Mich.
Application August 16, 1937, Serial No. 159,221
14 Claims. (Cl. 84—377)



1. In a device of the class described, a reed bank comprising in combination a plurality of reed divider plates defining a plurality of reed

chambers, a reed in each of said chambers, said bank having a pair of openings at each side thereof leading into each chamber, one opening of each pair being positioned above the associated reed and the other opening of each pair being positioned below the associated reed, and a baffle plate associated with each side of the reed bank and movable as a unit relative thereto, said baffle plate having a predetermined series of openings therein, so that for each position of the baffle plates relative to the reed bank, the reeds corresponding to a selected diatonic scale are rendered effective.

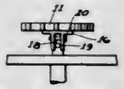
2,179,994

ALARM DISPATCHING MECHANISM

Joseph F. Ebert, Hollis, N. Y., and Tellef A. Terjesen, Hoboken, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts

Original application August 23, 1934, Serial No. 741,140, now Patent No. 2,077,099, dated April 13, 1937. Divided and this application May 12, 1936, Serial No. 79,332

1 Claim. (Cl. 287—52.03)



In an alarm dispatching mechanism, a rotatably driven code wheel shaft providing a pin extending transversely to the axis of the shaft, a code wheel providing a mounting having an opening for freely receiving the end of the shaft, beyond said pin, a slot provided in said mounting on opposite sides of said opening for receiving said pin, and means accessible from one side only of said wheel for compressing the walls of said slot on said pin to clamp the code wheel on said shaft.

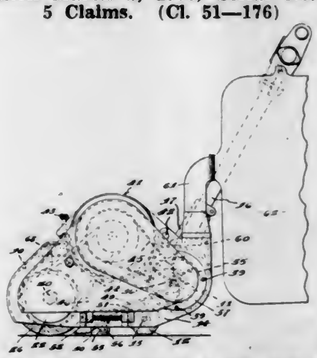
2,179,995

ABRADING MACHINE

Arthur N. Emmons, Nedrow, N. Y., assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y., a corporation of New York

Application March 2, 1938, Serial No. 193,548

5 Claims. (Cl. 51—176)



1. An abrading machine of the type described comprising a frame, an abrading drum journalled in the forward end of the frame, and a suction fan mounted in the rear end of the frame, said frame being formed with a suction duct extending from said fan forwardly to the rear side of said drum, the bottom wall of the forward portion of said duct being formed with an opening, a dust pan arranged in said opening and being pivotally mounted to the rear edge thereof, the forward edge of said pan being provided with means cooperable with the surface being finished to maintain the forward end of said pan a predetermined distance from said surface, a motor mounted on the frame and motion transmitting means connecting said motor with the abrading drum and said fan.

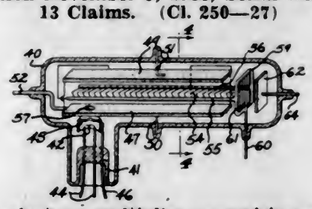
2,179,996

ELECTRON MULTIPLIER

Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., and Richard L. Snyder, Borough of Glasboro, N. J., assignors to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware

Application November 9, 1936, Serial No. 109,934

13 Claims. (Cl. 250—27)



1. An electron multiplier comprising an evacuated envelope having therein means for producing an electron stream, opposed secondarily emissive cathode surfaces, one of said surfaces being positioned to intercept said electron stream, a perforate anode positioned parallel to and midway between said cathode surfaces, and means for producing potential gradients along said cathodes and said anode.

2,179,997

DENATURED ALCOHOL CONTAINING ETHYLENE DIAMINE

Louis J. Figg, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 14, 1937, Serial No. 168,971

1 Claim. (Cl. 202—77)

Industrial ethyl alcohol denatured with 0.5 to 5 parts of ethylene diamine, as an essential denaturing element, per 100 parts of 95% ethyl alcohol.

2,179,998

DENATURED ALCOHOL CONTAINING QUINOLINE

Louis J. Figg, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 14, 1937, Serial No. 168,972

1 Claim. (Cl. 202—77)

Industrial ethyl alcohol denatured with 0.5 to 5 parts of quinoline, as an essential denaturing element, per 100 parts of 95% ethyl alcohol.

2,179,999

DENATURED ALCOHOL CONTAINING TETRAHYDROFURFURYL ALCOHOL

Louis J. Figg, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 23, 1937, Serial No. 170,658

1 Claim. (Cl. 202—77)

Industrial ethyl alcohol denatured with 0.5 to 5 parts of tetrahydrofurfuryl alcohol, as an essential denaturing element, per 100 parts of 95% ethyl alcohol.

2,180,000

DENATURED ALCOHOL CONTAINING A LOWER ALKYL ACETAL

Louis J. Figg, Jr., and James Wendell Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 23, 1937, Serial No. 170,663

3 Claims. (Cl. 202—77)

1. Industrial ethyl alcohol denatured with 0.5 to 5 parts of a lower alkyl acetal selected from the group consisting of acetal and dimethyl acetal, as an essential denaturing element, per 100 parts of 95% ethyl alcohol.

2,180,001

PURIFICATION OF HARDWOOD OILS

Louis J. Figg, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 1, 1938, Serial No. 193,306

4 Claims. (Cl. 202—55)

1. A process of purifying and stabilizing "neutral" oils derived from the destructive distillation of hardwood, comprising extraction of impurities therefrom with ethylene diamine and removal of the residual ethylene diamine from the wood oil.

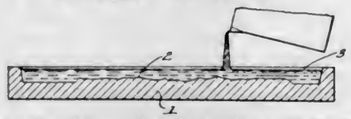
2,180,002

MOLDED BODY OF SYNTHETIC RESIN CONTAINING PHOTOGRAPHIC DESIGNS

Walter D. Ford, Columbus, Ohio

Application October 16, 1936, Serial No. 105,987

2 Claims. (Cl. 41—24)



1. A cast color-containing substantially transparent body of synthetic resin composition having an undulous photographic design molded in the inner surface thereof, the obverse surface of said body being smooth, regular and unbroken, the transparency and varying thickness of said body in the area of said design producing light and shadow variations to render the detail of the design clearly viewable through said body from said obverse surface.

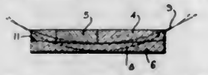
2,180,003

OPHTHALMIC LENS

Anna Estelle Glancy and Louis L. Gagnon, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application March 12, 1937, Serial No. 130,539

4 Claims. (Cl. 88—54)



1. A blank for a multifocal lens having a relatively large distance vision field and an associated near vision field, comprising a piece of lens medium of a relatively high index of refraction joined in edge to edge relation with another piece of lens medium of a lower index of refraction along a line which is to constitute in part the shape and size of the resultant near vision field of the lens, said composite pieces of lens medium having a continuous surface on one side thereof which is of a given radius so as to control in part the resultant focal power of said near vision field, a second major piece of lens medium of sensibly the same index of refraction as the first high index piece of lens medium secured to said continuous surface and overlying the low index piece of lens medium, said composite pieces of lens medium having an exposed surface curvature of a radius which is shorter than the radius of curvature of the first continuous surface, said exposed surface curvature extending over the low index piece of lens medium and intersecting said first continuous surface substantially at the point of joinder of said edge to edge joined pieces of lens medium thereby reducing said low index piece of lens medium to a substantially knife-like edge at said point and simultaneously producing a controlling element of the resultant focal power desired of the distance vision portion of the lens, said exposed surface intersecting said first continuous surface adjacent the edge of said low index piece of lens medium disposed towards the center of the blank and producing a controlling element of the resultant location of the optical center of the distance and near vision portions of the lens and controlling in part the positioning of the optical centers of the distance and near vision portions of the lens subtantially at the point of joinder, said second major piece of lens medium of sensibly the same index of refraction as the first high index piece of lens medium, in the finished lens, being of such an index as compared with the superimposed lower index piece of lens medium as to produce a major controlling factor of the resultant focal power of the near vision field.

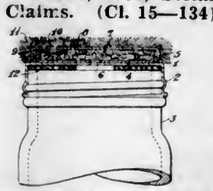
2,180,004

DISPENSING DEVICE

William Francis Grant, Cleveland Heights, Ohio, assignor, by direct and mesne assignments, to Dispenser Products Inc., New York, N. Y., a corporation of New York

Application October 8, 1934, Serial No. 747,304

7 Claims. (Cl. 15—134)



1. In a dispensing device, a perforated cup-shaped rigid holder adapted to be secured to and overlie the opening of a container, a flange projecting in the direction opposite to the cup-shaped portion of the holder from the base of the holder, said flange being formed integrally with said cup-shaped holder, a covering of fabric secured to said projecting flange and overlying and spaced from the perforated part of the holder, and securing means clamping the edge of said covering of fabric to said flange.

2,180,005

SPEED CONTROL FOR SPRING MOTOR DRIVEN APPARATUS

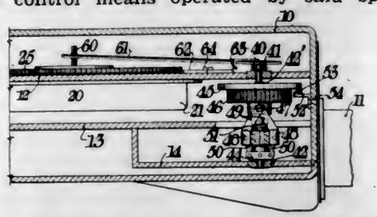
Gunnar Gunnarson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 25, 1936, Serial No. 102,568

19 Claims. (Cl. 185—37)

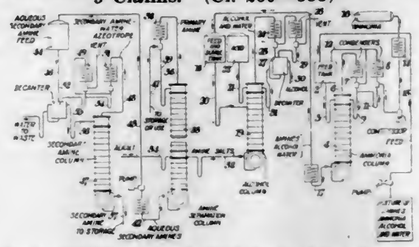
1. In a motor driven apparatus, the combination with a driven member, a spring motor connected thereto for driving the same, a centrifugal governor driven by said spring motor and including a governor shaft, and a friction surface which moves to various positions corresponding

to the speed of the governor, supports for said governor shaft and permitting axial movement thereof, and a brake member adapted to frictionally engage said surface, said governor shaft, surface, and brake member being so arranged that upon operation of the governor the shaft has a tendency to move axially in said support, of a control means operated by said spring



motor for permitting variation of the frictional engagement between said surface and the brake member in direct proportion to the tension in the spring motor, said control means including a bar member operated by the spring motor and adapted to restrain the governor shaft in its axial movement under operating conditions of the governor.

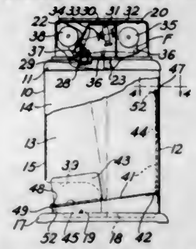
2,180,006
PROCESS FOR THE SEPARATION AND REFINING OF AMINES
Rudolph Leonard Hasche and Lee G. Davy, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 9, 1936, Serial No. 99,978
9 Claims. (Cl. 260—583)



8. A process for the separation and refining of lower alkyl amines, which comprises subjecting a mixture of primary amines, secondary amines, alcohol, water and ammonia, to treatment for removing ammonia by distilling the mixture at a temperature high enough to drive off the ammonia, treating the mixture remaining with a non-oxidizing mineral acid which converts the amines to salts, removing at least a part of the alcohol from the amine salts by distillation, reconverting the amine salts to amines by reaction with an alkali metal hydroxide, and separating by distillation the primary amines from the other amines produced.

2,180,007
PHOTOGRAPHIC COPYING AND PROJECTION APPARATUS
Roy S. Hopkins, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 18, 1938, Serial No. 208,606
7 Claims. (Cl. 88—24)

1. A photographic copying and projection apparatus, comprising a casing provided with an open front, a copy holder within said casing and having a document receiving area in a plane which is conveniently located for the introduction and removal of documents to be copied, a copying camera mounted on said casing and having an axis which is perpendicular to the document receiving area of said copy holder, a screen member movable within said casing into an operative



inclined position which is at an angle to the document receiving area of said copy holder and movable into an inoperative position to render said copy holder available to said copying camera, and a projector also mounted on said casing and having an axis perpendicular to said screen member when the same is in said operative inclined position.

2,180,008
LUBRICATING OIL
Bert H. Lincoln and Waldo L. Steiner, Ponca City, Okla., and Alfred Henriksen, deceased, late of Ponca City, Okla., by Ellen M. Henriksen, administratrix, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application July 5, 1934, Serial No. 733,862
2 Claims. (Cl. 87—9)

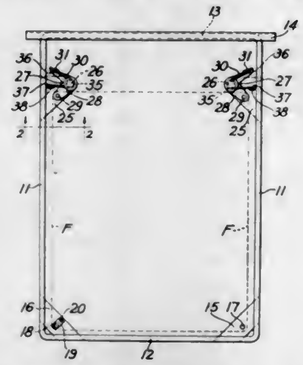
1. A lubricant comprising in combination a suitable lubricating oil base and halogenated resorcinol.

2,180,009
PRECIPITATION OF CELLULOSE TRIACETATE
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 16, 1938, Serial No. 214,145
4 Claims. (Cl. 260—230)

1. A process for precipitating substantially fully acetylated cellulose from its reaction mixture in which it is dissolved which comprises introducing the reaction mixture into a precipitating bath consisting of acetic acid of 40–60% strength, which bath is maintained at this strength throughout the introduction of the reaction mixture therein, removing the ester therefrom and treating the ester with hot water until a product is obtained which upon drying is soft and non-horny.

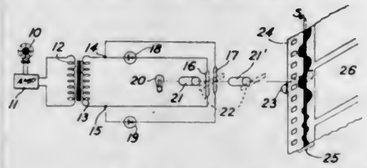
2,180,010
FILM HOLDER
Frederick C. Martin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 10 1938, Serial No. 212,986
5 Claims. (Cl. 95—100)

1. A film holder comprising a top rail, a rectangular open frame fixed at one end to said rail, a plurality of spaced apart brackets secured to said frame adjacent the corners thereof, stationary means mounted on one of said brackets and arranged to engage a film strip adjacent one corner thereof, pivotally mounted members on



the others of said brackets, means on said members for engaging said strip adjacent the remaining corners thereof, and means for moving certain of said members about their pivots to tension said strip to maintain the latter in flat position.

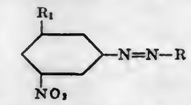
2,180,011
SOUND RECORDING
John H. McLeod and Frederick M. E. Holmes, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 13, 1937, Serial No. 168,778
1 Claim. (Cl. 179—100.3)



An electric circuit for noiseless push-pull sound recording comprising an input circuit, a light valve having two single ribbons in a magnetic field, means connecting each ribbon across a portion of the input circuit and a half-wave rectifier in series with each ribbon, said rectifier for one ribbon having a direction of action opposite to that of the other rectifier and such with respect to the magnetic field that a current passing therethrough causes the ribbon to move laterally away from the other ribbon.

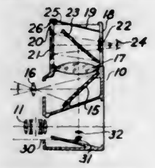
2,180,012
AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 27, 1936, Serial No. 107,850
11 Claims. (Cl. 8—50)

6. A process of coloring an organic derivative of cellulose which comprises applying thereto a nuclear non-sulfonated dye selected from the class of azo compounds having the general formula:



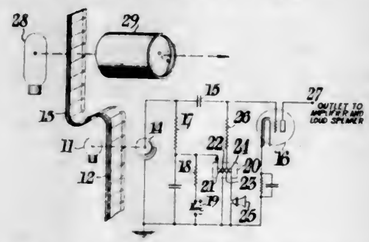
wherein R represents the residue of an aryl coupling component of the benzene series containing but one benzene nucleus and R_1 represents an alkoxy group.

2,180,013
PHOTOGRAPHIC APPARATUS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 23, 1937, Serial No. 165,357
3 Claims. (Cl. 88—1.5)



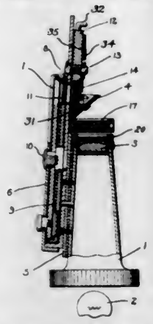
1. A camera finder including a field lens, an objective lens and reflecting means for forming an image substantially in the plane of the field lens, a mirror positioned in a plane substantially parallel to the optic axis of the field lens, an ocular spaced from the mirror, and a semi-transparent reflecting member for reflecting light from the image at the field lens onto said mirror and for transmitting the light from said mirror to said ocular.

2,180,014
SOUND MOTION PICTURE REPRODUCING APPARATUS
Richard S. Morse, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 23, 1936, Serial No. 107,254
3 Claims. (Cl. 179—100.3)



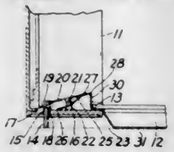
1. In a system for reproducing sound from a photographic sound record, a photo-cell the illumination of which is controlled by said record, an amplifier including a vacuum tube provided with a grid, means including a grid leak resistance for impressing potential variations upon the grid corresponding to the illumination of said cell, a microphone, and switching means operative to disconnect said means and to connect the microphone in series relation with said grid resistance, whereby the microphone is in circuit to control the input to said amplifier.

2,180,015
DIAGNOSTIC INSTRUMENT
Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application June 17, 1936, Serial No. 85,702
5 Claims. (Cl. 88—22)



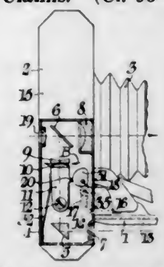
1. In an instrument of the character described for use with a light source comprising, a light passageway through which light coming from the light source may pass, said light passage-way having a support on one side thereof formed with a sight opening therein, a disc pivotally attached to said support having a series of lenses separately movable into alignment with the sight opening, light deflecting means on said support adjacent the sight opening and in alignment with the light passageway to deflect light coming through said passageway in the direction of the line of sight through the sight opening, a support pivotally attached adjacent the upper end of the light passageway having a disc of sheet-like polarizing means mounted therein for movement into and out of alignment with the light passageway between the light source and the light deflecting means and a second disc pivotally attached to the support and having an opening therein with sheet-like polarizing means mounted in said opening for movement into and out of alignment with the sight opening between the light deflecting means and series of lenses carried by the first disc which is pivotally attached to said support.

2,180,016
HEIGHT EQUALIZING ARRANGEMENT FOR PHOTOGRAPHIC CAMERAS
August Nagel, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 15, 1938, Serial No. 213,867
In Germany July 24, 1937
7 Claims. (Cl. 95—86)



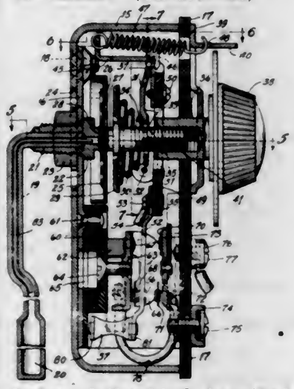
1. In a photographic camera, the combination with a camera body, and a camera bed hingedly connected to said body and formed with a portion arranged to be positioned below said body to engage a support when said bed is in open position, of height equalizing means comprising a member movably mounted on said body adjacent said hinge connection and arranged to be moved downwardly to engage said support to maintain said body in erect position and in spaced relation to said support when said bed is opened, and means on said bed adapted to engage said member to move said means into engagement with said support when said bed is moved to open position.

2,180,017
CAMERA WITH RANGE FINDER
Carl Ort, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 16, 1937, Serial No. 131,164
In Germany May 22, 1936
4 Claims. (Cl. 95—44)



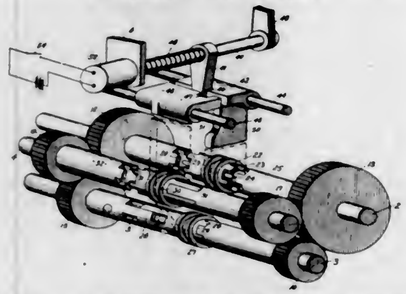
4. In a photographic camera, in combination, a member movable in focusing the camera, a combined base-type range and view finder carried by the camera and comprising as its optical system only a positive ocular common to both of the range finder fields, a single negative lens element spaced from the ocular on one of the optic axes of the range finder to form the view finder system and an objective lens having a refractive power equal to that of said negative lens element and being spaced from the ocular on the other range finder axis, said objective lens consisting of two adjacent components whose adjacent surfaces have equal curvature and one of which components is movable, and means for coupling said movable component with said movable member.

2,180,018
DIAPHRAGM-ACTUATED TRANSMISSION MEANS
Lawrence M. Persons, St. Louis, Mo., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application May 14, 1936, Serial No. 79,736
18 Claims. (Cl. 200—83)



1. In a device of the kind described, a first cup-like member, a second and flexible cup-like member secured to the first in sealing relation about its side walls, and normally contiguous throughout with said first member, a liquid adapted to fill completely any space between said members and to move the flexible one upon increase of pressure, an element movable relative to said member, means mounted entirely upon said flexible member, and elements on said means and movable therewith contacting opposite sides of said first named movable element to transmit thereto movement of said expansible member in both directions.

2,180,019
CHANGE-SPEED TRANSMISSION GEARING
Carl D. Peterson, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application December 18, 1935, Serial No. 55,057
8 Claims. (Cl. 74—359)



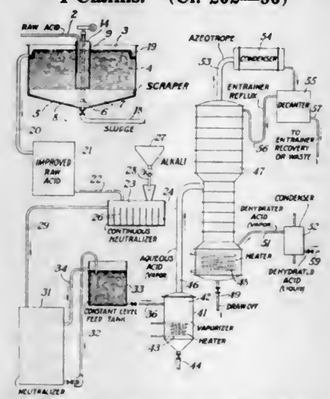
1. In a selective change-speed transmission gearing, a plurality of shiftable elements for controlling different speeds, shifters for operating said elements respectively, shifting mechanism comprising, in addition to said shifters, a selecting and shifting finger having an axial selecting and a fore and aft shifting movements to select and shift the shiftable shifters, one of said shifters being normally in an operative position and the selecting finger being normally arranged in selective engagement with the other shifter, means for yieldingly resisting the axial shifting of the selecting finger out of engagement with said other shifter, the one shifter having means for blocking the axial selecting movement of the finger when the other shifter is out of operative position, and power means which, when operated, acts on said finger to shift it axially against the yielding resisting means.

2,180,020
ELECTRICAL OUTLET AND PLUG
Earl S. Schott, Cincinnati, Ohio
Application July 22, 1938, Serial No. 220,756
1 Claim. (Cl. 173—330)



In a safety electrical outlet and plug the combination of an insulating plate having a boss on the rear face thereof, said plate and boss having a cylindrical bore therethrough, the wall of the bore being undercut at diametrically opposed points near the end of the boss, an end member secured by screws over the end of the bore, L-shaped contacts each having one portion rigidly clamped between the boss and said end member and the remainder yieldably closing an undercut portion of the wall of said bore, an insulating prong on the end member projecting axially into the bore beyond the tops of the contacts, and a plug member for said outlet comprising a tubular insulating body insertable in the bore and interiorly receiving said prong at its end, and contacts yieldably mounted on diametrically opposite sides of the plug at the end thereof for coaction with the contacts in the bore.

2,180,021
PROCESS FOR RECOVERING ALIPHATIC ACIDS
Herbert G. Stone, Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 16, 1936, Serial No. 80,125
4 Claims. (Cl. 202—56)

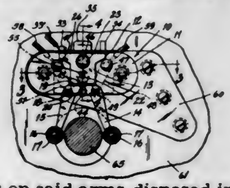


1. A process for recovering aliphatic acids, by procedure including distillation in a column, from crude aqueous acid-liquids containing suspended and occluded particles of cellulose ester which would deposit in the column during said distillation, which comprises substantially continuously feeding a stream of the crude aqueous liquid into a tank provided with a peripheral gutter, the tank containing a large and substantially quiescent volume of aliphatic acid-liquid, baffling said stream at the point of feed into the tank to avoid disturbing said quiescent volume of liquid, substantially continuously overflowing the surface layer of said quiescent volume of liquid into said gutter whereby the velocity of flow of the liquid in the tank is reduced and at least a major part of said particles are deposited in the tank as a sludge, removing sludge from the tank, substantially continuously withdrawing the improved acid-liquid in the gutter through conduit means, and subjecting said improved aliphatic acid-liquid to further treatment including azeotropic distillation.

2,180,022
SWITCH MECHANISM
Charles Streck, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application October 23, 1937, Serial No. 170,583
4 Claims. (Cl. 200—80)

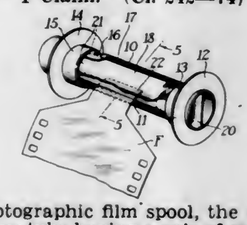
2. A switch comprising a base, a member pivoted thereto, contacts supported by said member spaced from one face of the base, contact-car-

rying arms connected to the opposite face of said base and extending through slots in said base,



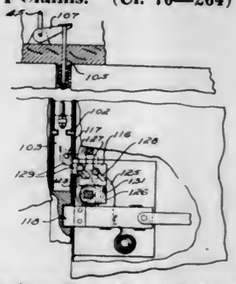
and contacts on said arms disposed in cooperative relation to said first contacts.

2,180,023
HUB CONSTRUCTION FOR A FILM SPOOL
Stephen M. Tucker, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 21, 1937, Serial No. 121,477
1 Claim. (Cl. 242—74)



In a photographic film spool, the combination with a hollow tube having a pair of spaced flanges and provided with a film slot, and a hollow core also provided with a film slot which may register with the slot in said tube and adapted frictionally to fit into said tube, and a clutch member at one end of said core for facilitating rotation of said core within said tube to clamp a film strip between said tube and core, of an embossing formed in and extending into said tube near one end thereof and located to abut only the end of said core to limit only axial insertion thereof only after said clutch member is within said tube, and an extension on and extending from the end of said core for merely abutting said projection and limiting relative rotation, but not relative axial movement, between said tube and core only when the end of said core is adjacent said projection.

2,180,024
DOOR LOCKING MECHANISM
Brooks Walker, Piedmont, Calif.
Original application January 6, 1933, Serial No. 650,399. Divided and this application March 16, 1937, Serial No. 131,220
4 Claims. (Cl. 70—264)



1. In an automotive vehicle having a plurality of doors provided with dovetails, the combination with mechanism disposed across the vehicle and adjacent to the pillars thereof having portions movable into the path of the door dovetails, a latch bolt associated with one of said doors and a handle selectively movable in a bolt releasing direction for releasing said bolt, and means actuated by the handle when moved in a non-bolt releasing direction for actuating said mechanism.

2,180,025
HEAT-RESPONSIVE SWITCH
Victor Weber, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application June 24, 1936, Serial No. 86,991
3 Claims. (Cl. 200—124)



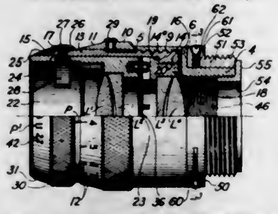
1. A circuit breaker comprising a base of non-conductive material, a support mounted on the base, a terminal blade fixed at one end to the base out of engagement with the support, a resilient contact blade fixed at one end to the support and adapted to be moved into contact with said terminal blade, a trip-free operating handle pivotally connected to the support and adapted to move said contact blade, and a ratchet wheel mounted on said support and normally maintained in fixed relation thereto by solder, said ratchet wheel being adapted to be engaged by said contact blade when said blades are in operative contact, said ratchet wheel being adapted to release said contact blade to permit it to withdraw from the terminal blade at a predetermined temperature.

2,180,026
MANUFACTURE OF ALTERNATING ELECTRIC CURRENT RECTIFIERS
Albert Leslie Williams, Leslie Ernest Thompson, and Roger Harry Cubitt, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
No Drawing. Application February 4, 1938, Serial No. 188,813. In Great Britain February 18, 1937
2 Claims. (Cl. 175—366)

1. A process for the manufacture of alternating electric current rectifiers of the copper oxide type in which the exposure of the rectifier blanks to the contaminating action of the oxidizing atmosphere during the period when the temperature of the blanks is low is arranged to be reduced or prevented by coating the blanks prior to heating them in the oxidizing atmosphere, with a layer of black material such as carbon, graphite or cupric oxide for the purpose of increasing the rate at which heat is absorbed by the blanks until the blanks reach the final oxidizing temperature.

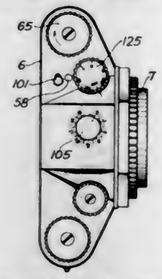
2. A process for the manufacture of alternating electric current rectifiers of the copper oxide type in which the exposure of the rectifier blanks to the contaminating action of the oxidizing atmosphere during the period when the temperature of the blanks is low is arranged to be reduced or prevented by coating the blanks prior to heating them in the oxidizing atmosphere, with a layer of protective material of such character as to be evaporated or burnt off when a relatively high temperature is obtained.

2,180,027
LENS MOUNT ADAPTER
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 21, 1937, Serial No. 154,838
2 Claims. (Cl. 88—57)



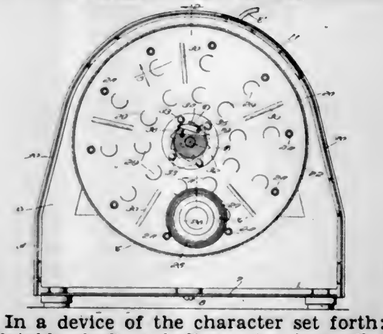
1. In a lens mount the combination with a tubular body member having a radially-extending shoulder adjacent the rear end thereof, a lens-carrying member supported by the body member and adjustable therein for focusing, of a screw-threaded mounting ring rotatably mounted on the rear end of the body member with one end thereof abutting the radially-extending shoulder on the body member, said mounting ring adapted for attaching the lens mount to a camera and having one or more peripheral slots extending therethrough, a retaining ring in screw-threaded engagement with the rear end of the body member, and having a flange on the end thereof engaging the other end of the mounting ring whereby said ring is permitted rotation relative to the body member but is prevented from axial movement relative thereto, and conical headed adjusting screws extending radially into the peripheral slots of said mounting ring and being in threaded engagement therewith, the heads of said screws adapted, when turned down, to spread the mounting ring longitudinally for setting up a frictional engagement between the mounting ring, the body member and the retaining ring to prevent relative rotation of these parts.

2,180,028
SHUTTER SETTING AND FILM WINDING MECHANISM
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 12, 1938, Serial No. 201,539
9 Claims. (Cl. 95—31)



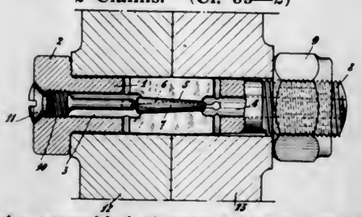
1. In a camera having an exposure aperture, the combination of means for feeding a film past said exposure aperture and into exposing position relative thereto, a shutter for alternately permitting and preventing light to pass through said exposure aperture, means for setting said shutter, an operating member movably mounted on the camera, and a differential gearing maintained between said operating member, said film feeding means, and said shutter setting means whereby the film can be fed and the shutter can be set simultaneously, or each independent of the other through movement of said operating member.

2,180,029
GAME APPARATUS
Alfred R. Babcock, Chicago, Ill.
Application November 4, 1937, Serial No. 172,846
3 Claims. (Cl. 273—143)



1. In a device of the character set forth: an oscillatable shaft; a hollow rotor journalled on said shaft and provided with circumferentially disposed characters; ratchet-wheel and pawl mechanism for imparting rotation to said rotor from said shaft in a forward direction and restraining it in the opposite direction; a plurality of axially disposed cross bars dividing the inside of the rotor into notches corresponding in number with the teeth in the ratchet-wheel; and a weighted aligning member within said rotor adapted to tumble into any one of said notches when the speed of rotation is slow, said rotor having inwardly extending barbs to engage the aligning member and carry it forward and beyond its lowermost positon as the rotor stops its forward rotation so that the aligning member will reverse the direction of rotation of the rotor until stopped by the ratchet.

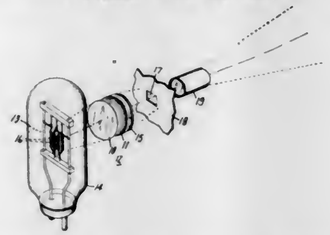
2,180,030
BOLT
Ettore Bugatti, Molsheim, Bas-Rhin, France
Application October 19, 1936, Serial No. 106,438
In France October 26, 1935
2 Claims. (Cl. 85—2)



2. An assembled structure which comprises a pair of members arranged in contacting relation in a plane of assembly and having aligned bores running transversely therethrough; a deflectible bridge in the bores, passing through the plane of assembly and anchored at spaced apart points on either side of said plane to respective members, the bridge being placed under permanent tension; and means located within the bores for deflecting the bridge in a zone passing through

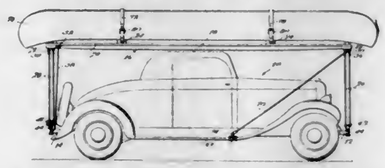
the plane of assembly, to press the bridge in said zone in tight contact with the members, thereby superimposing a further tension upon the permanent tension and further stressing the members.

2,180,031
OPTICAL PROJECTION APPARATUS
Frank E. Carlson, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application June 25, 1938, Serial No. 215,831
1 Claim. (Cl. 88—24)



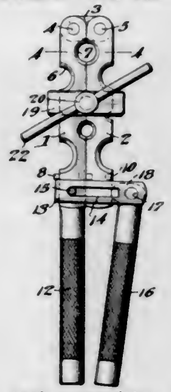
Apparatus of the class described comprising an electric incandescent lamp having a filament formed of a plurality of spaced sections of coiled wire arranged parallel to each other, a screen located adjacent thereto having an aperture therein adapted to frame the picture film or slide to be projected, a condensing lens located between the filament and the screen adapted to direct a portion of the light emitted by said filament through the aperture in said screen comprising a pair of double cylindrical convex lenses having the axes of the opposite sides of each at right angles to each other and having a greater refractive power in a plane parallel to the filament sections so that the focal length of the light beam in a plane transverse to said sections is greater than in a plane parallel thereto and a greater portion of said light beam is directed through the aperture in said screen.

2,180,032
LOAD CARRIER
Dallas S. Casley, Belpre, Ohio
Application August 2, 1938, Serial No. 222,703
3 Claims. (Cl. 214—77)



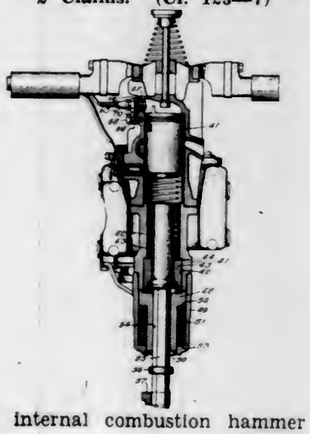
1. In combination with a vehicle including front bumper means and rear bumper means, a load carrying frame of rectangular contour, crossed struts pivotally connected with the rear corners of said frame and with the rear bumper means, crossed struts pivotally connected with the forward corners of the frame and with the front bumper means, and bracing means between the frame and the vehicle, said struts being adapted to support the frame above the vehicle and being further adapted to swing the frame laterally of the vehicle, said struts being so arranged as to rotate the frame substantially 180 degrees about its longitudinal axis when moved from either position to the other.

2,180,033
FLARING TOOL
Louis C. Cattoi, Hurley, Wis., assignor to E. Edelmann & Co., Chicago, Ill., a corporation of Illinois
Application February 21, 1938, Serial No. 191,802
6 Claims. (Cl. 153—79)



1. A flaring tool comprising, a pair of jaws having grooved recesses on opposite sides thereof positioned to register as tube receiving and clamping openings when the jaws are brought together, means swingably and revesibly connected to one end of each jaw and thus allowing reversal and opposite juxtapositioning of the sides to bring the recesses thereof into registering relation, means to position said jaws in each adjacent position, link means swingably mounted on the swinging portion of one of said jaws and also movable lengthwise of the link whereby the link means can be adjusted to embrace the said jaws in each of the closed positions, clamp means associated with said link means to lock the jaws in tube clamping relation, and tube flaring means to operate upon the end of a tube clamped by said locked jaws.

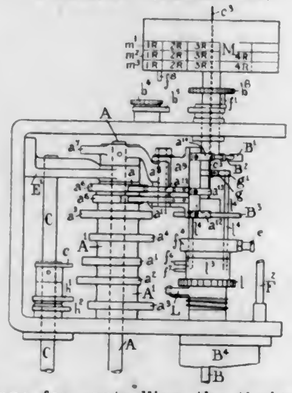
2,180,034
INTERNAL COMBUSTION HAMMER
Carl L. Charles, Winnetka, Ill., assignor to Gas Tool Patents Corporation, a corporation of Delaware
Application March 15, 1937, Serial No. 131,052
2 Claims. (Cl. 123—7)



1. An internal combustion hammer of the

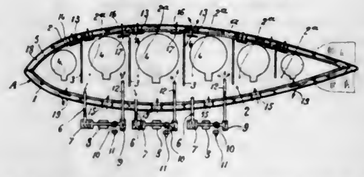
character described, including: a cylinder; a piston-hammer freely reciprocable therein; a tool longitudinally movable in said hammer; an anvil sleeve bearing longitudinally movable in said cylinder; an anvil slidably mounted therein for transmitting the blows of said hammer to said tool when in raised position; a follower for receiving the blows of said hammer when said tool is in lowered position, said follower being in contact with said sleeve bearing but spaced from said anvil when said tool is in raised position; a coil spring between said sleeve bearing and said piston and supported by said sleeve bearing; and a cushion spring exerting an upward force on said follower and sleeve bearing, said spring being coaxial with respect thereto and stiffer than said first mentioned spring; said follower comprising an enlarged portion and a reduced portion lying within said cushion spring, said follower being guided at each end thereof.

2,180,035
MEANS FOR CONTROLLING THE TIMING AND SEQUENCE OF OPERATIONS IN LAUNDRY MACHINES AND THE LIKE
William George Cleghorn, Claygate, England, assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England
Application April 15, 1936, Serial No. 74,468
In Great Britain April 26, 1935
9 Claims. (Cl. 137—68)



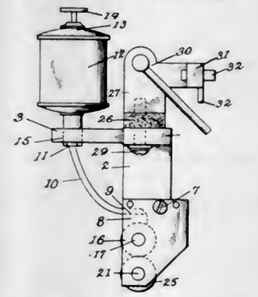
1. Means for controlling the timing and sequence of operations in machines of the type referred to having a variable liquid level comprising a continuously oscillating shaft, a series of cams and a ratchet wheel loosely mounted for movement together on the oscillating shaft, a pawl carried by the oscillating shaft for intermittently rotating the ratchet wheel and cams simultaneously, a time obstruction, projecting members on the time obstruction arranged to be operative successively, one of which is initially manually set to initiate operation by causing the pawl to engage the ratchet and means for subsequently moving the pawl to an inoperative position, a float obstruction controlled by the level of liquid in the machine to intermittently come into play to move the pawl into position to further operate the ratchet wheel and cams intermittently between operations by the projecting members on the time obstruction and means operable by one of the cams to continue operation of the controlling means to bring the next successive projecting member of the time obstruction into operation after an operation of the cams by the float obstruction.

2,180,036
AIRSHIP AND PROCESS FOR SUSTAINING THE SAME
Aimé Joseph Dardel, Moncey, Doubs, France
Application June 8, 1938, Serial No. 212,417
In France June 17, 1937
2 Claims. (Cl. 244—97)



1. A lighter-than-air aircraft comprising an inner envelope enclosing an air space, an outer envelope spaced from and enclosing said inner envelope, closed bags within the inner envelope containing light gas, air circulating means in closed circuit with the inner envelope-enclosed space, means for varying the temperature of air circulated through said means and said space, and valve means for controlling communication between said space and the space between said envelopes.

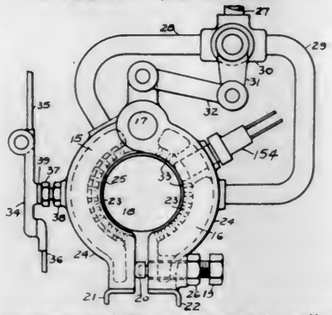
2,180,037
STAMPING MACHINE
William H. Davis, Austin, Tex.
Application August 19, 1938, Serial No. 225,830
1 Claim. (Cl. 101—330)



A stamping machine for use in connection with sorting machines, comprising an integral frame having an upper plate, an arm projecting in the plane of and outwardly from the plate, an ink fountain removably supported by said arm, a neck depending from the upper plate, a lower plate at the lower end of the neck, an integral supporting plate depending from one end of the lower plate, a removable plate corresponding to the supporting plate and having an opening in its upper portion to engage a threaded boss projecting from the lower plate, an inking pad in communication with the ink fountain and rotatably mounted at one end in the integral supporting plate and removably mounted at the opposite end in the removable plate, an inking roll to receive ink from the pad mounted at one end in the integral supporting plate and at the opposite end in the removable plate, a plurality of numbering disks to be inked by the inking roll, the shaft for supporting the disks removably mounted in the integral supporting plate and in the removable plate, and a single screw passed through the removable plate and taking into the threaded boss of the lower plate for fixing the removable plate and thereby the bearings of the inking pad and shaft of the numbering disks

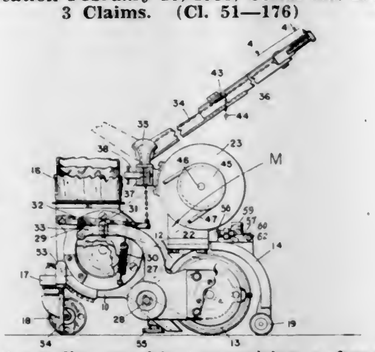
in relative positions while permitting their complete removal for change or repair through the removal of a single screw.

2,180,038
APPARATUS FOR HEAT TREATING
Francis S. Denneen, Cleveland, William C. Dunn, Shaker Heights, and Courtney N. Mitchell, Berea, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application March 29, 1934, Serial No. 718,002
2 Claims. (Cl. 266—4)



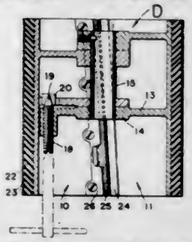
1. In apparatus of the character described, the combination of a conductor adapted to be brought into operating relationship with an article to be hardened said conductor being in two parts connected by a hinge to permit relative movement of the parts, means for establishing a flow of current through said conductor, the conductor having means associated therewith for applying quench to the article, the last named means being actuated by a movement of one of said parts of the conductor.

2,180,039
FLOOR-SANDING MACHINE
Charles H. Driver, Racine, Wis.
Application February 16, 1938, Serial No. 190,681
3 Claims. (Cl. 51—176)



1. A sanding machine comprising, a frame, a hood on said frame, a front wheeled support for the frame, a rear wheeled support for the frame, a drum in said hood, a drive motor on the frame for rotating the drum, a bell-crank-shaped lever rockably mounted at its angle on the frame having a bearing at its rear end for supporting the drum, a pivoted operating lever rockably mounted at its forward end on the frame, a link connecting the operating lever with the rear end of the bell-crank lever, spring means engaging the bell-crank lever for normally holding the drum in an elevated position, a manipulating handle pivotally connected with the frame above the outer end of the operating lever, a pivoted control lever on the outer end of the handle, and a pull chain extending longitudinally of the handle operatively connecting the control lever with the outer end of the pivoted operating lever.

2,180,040
SANDING DRUM
Charles H. Driver, Racine, Wis.
Application February 16, 1938, Serial No. 190,682
2 Claims. (Cl. 51—194)



1. A sanding drum comprising, a pair of companion substantially semicylindrical sections, each of said sections having a semicylindrical rim and inwardly directed substantially semicircular hub plates, longitudinally alined hub bearings on said plates, means rockably connecting the bearings together, a radially extending arm formed on a hub plate of one section extending over a hub plate of the other section, a wedge carried by the last mentioned hub plate, an adjusting screw having a pointed terminal threaded in said arm for engaging the inclined surface of the wedge, gripping members carried by adjacent edges of the hub sections, and a sandpaper or other finishing material strip placed about the periphery of the drum having its ends inserted between said gripping members.

2,180,041
TUNNEL KILN
Jules Joseph Durieux, Chatou, France
Application July 2, 1935, Serial No. 29,523
In France July 2, 1934
17 Claims. (Cl. 25—142)

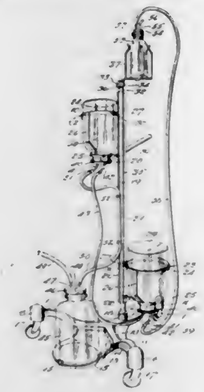


1. A horizontal tunnel kiln which comprises, in combination a burning zone, a plurality of burners arranged in a horizontal longitudinal row in said zone, collective air feed means for said burners in said zone, individual air feed means leading from said collective means to each burner, and a cooling zone having at least one horizontal passage provided in its wall, said passage opening directly into the atmosphere at one end of the kiln and into said collective air feed means at the other end.

2,180,042
SUCTION AND IRRIGATION APPARATUS
Joe J. Ettinger, Warsaw, Ind., assignor to Zimmer Manufacturing Company, Warsaw, Ind.
Application December 13, 1937, Serial No. 179,560
2 Claims. (Cl. 128—276)

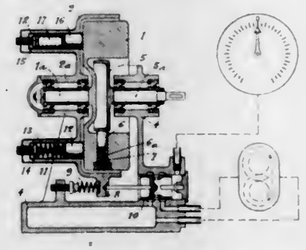
1. In apparatus for irrigation and drainage, a

pair of power bottles, vertical rectilinear guides for said bottles, cages holding said bottles and mounted on said guides to move therealong, tube means connecting the lower ends of said bottles, a pulley at the upper end of said guides, a cable trained over said pulley and having its ends secured to respective cages, means for holding said pulley releasably against rotation, said cages holding said power bottles in inverted position and the tube affording constant communication between



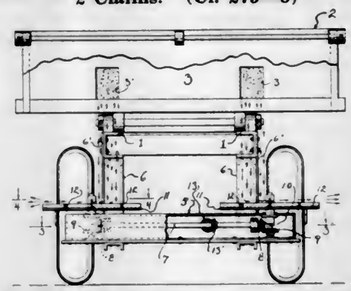
the bottles, and air admission and escape tubes entering said bottles from their lower ends and terminating upward in proximity within the upper ends of said bottles, a second pair of bottles each having an air tube entering its upper part, and constantly open tube means carried by the last mentioned bottles, and said open tube means being interchangeably connectable with said bottles and establishing selective communication between the bottles of the first pair and the bottles of the second pair.

2,180,043
GYROSCOPE
Jean Fieux, Paris, France, assignor of one-half to Schneider & Cie, Paris, France, a joint-stock company of France
Application September 30, 1938, Serial No. 232,692
In France October 19, 1937
9 Claims. (Cl. 74—5)



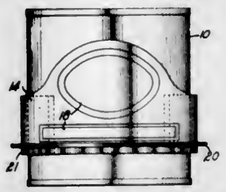
1. A gyroscope comprising a compensating braking member applied against the rotating mass with constant pressure by a device adjustable to alter said pressure, and a compensating braking member applied against the rotating mass with variable pressure by a device responsive to changes in atmospheric pressure.

2,180,044
SEED AND MATERIAL DISTRIBUTOR ATTACHMENT TO TRUCKS
Leo R. Frank, Milton Junction, and Rodell A. Dregney, Janesville, Wis.
Application May 4, 1938, Serial No. 205,996
2 Claims. (Cl. 275—8)



1. In a vehicle having a power take-off drive shaft, a frame and a dump body pivoted to the rear end thereof, the dump body being provided with a pair of tail discharge openings; the combination of a spreader comprising a rectangular hermetically sealed gear box disposed transversely at the rear of the vehicle, a transversely disposed drive shaft journaled therein, a pair of vertically disposed stud shafts journaled in the gear box and extending upwardly through the top wall thereof, a flat disc mounted on the outer end of each stud shaft having radial fins upon its upper face, the axes of said discs being off-set with relation to the discharge openings, driving gears for the discs carried by the drive shaft and stud shafts, a power take-off shaft extending into the gear box, driving gears carried by the power take-off shaft and drive shaft, and brackets extending from the rear end of the vehicle frame for supporting the aforesaid gear box.

2,180,045
COMBINED DETACHABLE LABEL AND POURING SPOUT
Paul N. Gardner, Bethesda, Md.
Application November 5, 1938, Serial No. 239,142
11 Claims. (Cl. 221—23)

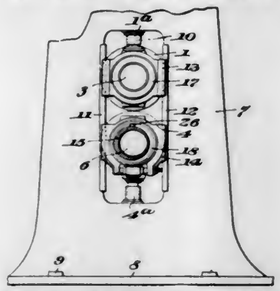


1. A detachable pouring spout for friction top cans of the type having an annular channel at the upper end thereof, comprising a semi-cylindrical spout body having at least the lower portion thereof formed of corrugated paper board adapted frictionally to engage in said annular channel to retain the spout in position on said can.

2,180.046
CALENDERING MACHINE
Paul Gleissner, Dusseldorf, Germany
Application June 22, 1938, Serial No. 215,307
In Germany July 2, 1935
4 Claims. (Cl. 308—62)

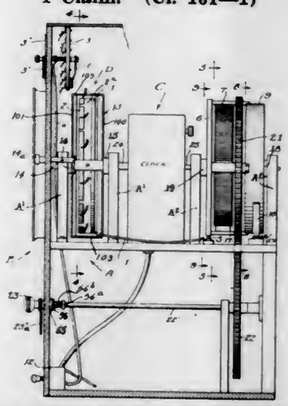
1. In a calendering machine, a housing frame

with a vertical guide slot therein, bearing casings slidably mounted in said guide slot in superposed arrangement, bearing bushes having bearing surfaces curved in the axial direction and by which they are supported in said bearing casings said bushes having also eccentric bores, a pair of calender rollers each having a trunnion at each end thereof said trunnions at one end being journalled in said eccentric bores, means for rotat-



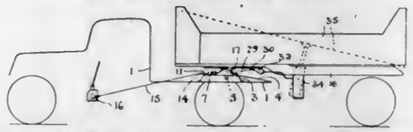
ably adjusting the bearing bushes independently of each other in the bearing casings whereby the trunnions are adjustable in a direction at right angles to the guide surfaces with resulting inclination of the axes of the calender rollers one to the other, and means for varying the vertical position of said bearing casings in the guide slots to adjust the separation of said rollers, said last mentioned means being operable independently of the adjustment of the bearing sleeves.

2,180,047
ALARM DEVICE
Baldwin Griffin, New York, N. Y.
Application April 5, 1937, Serial No. 135,135
1 Claim. (Cl. 161—1)



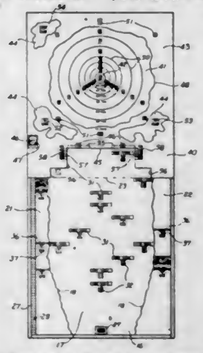
An alarm device for a building having lighting circuit terminals, comprising a framework, a clock mechanism therein having a minute shaft and an hour shaft concentric thereof; a first unit comprising selector means associated with and operated by said hour shaft including a plurality of electrical contact points and an arm carried on said hour shaft wiping said contact points; a switch for connecting certain of said contact points of said selector means to one of said circuit terminals corresponding to a selected hour of operation; a rheostat unit interposed between one of said circuit terminals and said selector means, operated by said minute shaft; and means for adjusting said rheostat unit with respect to the setting of the first unit whereby, when said selector means functions upon arrival of the hour shaft at the predetermined selected position, said rheostat will be at position of maximum electrical value and will thereafter diminish in electrical value.

2,180,048
AUTOMATIC SEMITRAILER POWER HOIST CONNECTION WITH TRUCK POWER UNIT
William S. Gurton, Joseph Plint, and Herman Nyberg, Kitchener, Ontario, Canada, assignors to Dominion Truck Equipment Company Limited, Kitchener, Ontario, Canada
Application February 16, 1938, Serial No. 190,764
7 Claims. (Cl. 180—14)



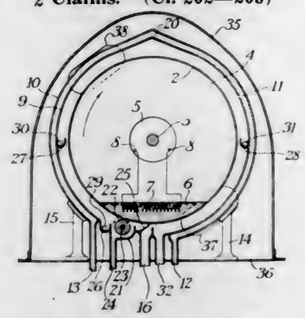
1. In a semi-trailer power hoist connection, the combination with a truck having a "fifth wheel" base and a resiliently mounted buffer bar mounted thereon and a trailer having a "fifth wheel" member adapted to engage said buffer bar, of a power driven shaft journalled in said buffer bar and extending rearwardly thereof, a shaft journalled in said trailer "fifth wheel" member to align with said power driven shaft, hoist-actuating mechanism mounted on said trailer and connected to the latter shaft, and means forming a sliding interlocking connection between said latter shaft and the rearward extension of the power driven shaft.

2,180,049
BOARD GAME APPARATUS
Arthur Henry Hall, Vancouver, British Columbia, Canada
Application December 8, 1937, Serial No. 178,817
In Canada October 23, 1937
4 Claims. (Cl. 273—87)



1. A game board apparatus including, in combination, a board representing a golf course fairway, said fairway board having marked thereon an indicator strip with a plurality of numbers representing distances in yards, a tee position at one end thereof and a plurality of numbered marks representing distances from the tee, said marks being irregularly disposed laterally with respect to each other; and a board representing a green associated with the fairway board, said green board having marked thereon an area representing a cup or hole and numbered positions representing distances from the cup or hole, means formed on the green board adapted to co-operate with the numbered marks of the fairway board to indicate the distance from the numbered mark to the cup or hole, and an orifice formed in the green board adapted to co-operate with the indicator strip of the fairway board to indicate the distance representing the yardage from the tee to the cup or hole; said green board being slidable in relation to the fairway board whereby the green board may be adjusted to vary the distance from the tee to the cup or hole to represent golf holes of various lengths.

2,180,050
VACUUM DISTILLATION APPARATUS
Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Original application September 5, 1936, Serial No. 99,632. Divided and this application October 1, 1937, Serial No. 166,856
2 Claims. (Cl. 202—205)

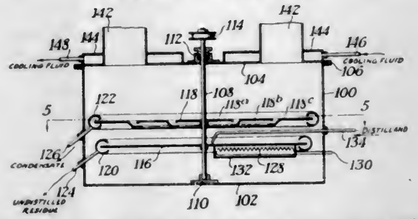


1. High vacuum distillation apparatus which comprises in combination within a closed system a cylindrical, rotatable evaporating surface, an approximately cylindrical, positively cooled, condensing surface located in close proximity thereto and approximately co-axial therewith, means for withdrawing liquid from the condensing surface without admixture with distilland, means for heating to distillation temperature and rotating the evaporating surface, means for maintaining a high vacuum in the space between the evaporating and condensing surfaces, a mechanical applicator capable of applying liquid to be distilled onto the evaporating surface in a substantially thinner film than would result if the rotating surface were partially immersed in the liquid and a scraper in close relation with the evaporating surface for removing undistilled residue therefrom.

2,180,051
REMOVAL OF GAS FROM ORGANIC LIQUIDS
Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application December 1, 1937, Serial No. 177,553
2 Claims. (Cl. 202—52)

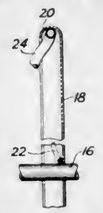
1. In a process of preparing a vitamin concentrate by high vacuum distillation of a fish oil which contains a vitamin content and also absorbed gases which would cause at least partial oxidation and thermal destruction of the vitamin content during the distillation treatment, the improvement which comprises substantially completely removing absorbed gases and oxidizing substances from the fish oil previous to the distillation by subjecting the oil while in the form of a thin film to extreme agitation and to a pressure of less than about .005 mm. and maintaining the agitation and reduced pressure for a period of time until the internal pressure of the gas in the oil is below about .015 mm.

2,180,052
VACUUM DISTILLATION APPARATUS
Kenneth C. D. Hickman and John C. Hecker, Rochester, N. Y., assignors, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application March 9, 1938, Serial No. 194,901
13 Claims. (Cl. 202—205)



1. Vacuum distillation apparatus comprising in combination within a substantially closed chamber, a vaporizing and condensing surface separated by substantially unobstructed space, at least one of which surfaces is permeable to residual gas, but substantially impermeable to distilling molecules, cooling means for the condensing surface, heating means for the vaporizing surface, means for introducing distilland onto the vaporizing surface, means for removing undistilled residue from the vaporizing surface, evacuating means for removing residual gases from the chamber and means for withdrawing condensate, which has collected on the condensing surface, from the chamber.

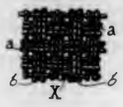
2,180,053
DISTILLATION APPARATUS
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application June 29, 1938, Serial No. 216,551
In Great Britain July 29, 1937
8 Claims. (Cl. 202—236)



1. Vacuum distillation apparatus comprising in combination within a closed system a non-horizontal rotatable disc, means for heating the disc, means for introducing liquid distilland onto the approximate center of the disc, means located at approximately the highest point of the disc for removing undistilled liquid residue from the periphery of the disc before it has been thrown from the disc by centrifugal force, a

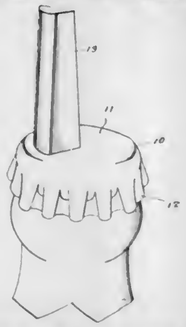
condensing surface located in close proximity to the disc and separated therefrom by substantially unobstructed space and means for applying a suction to the closed system whereby the pressure within the system and between the disc and the condensing surface can be reduced.

2,180,054
PAPER MAKER'S DRIER FELT
Thomas Hindle and Sam Lord, Blackburn, England
Application August 2, 1938, Serial No. 222,682
In Great Britain August 23, 1937
2 Claims. (Cl. 139—408)



1. A two layer drier felt comprising groups of weft threads and groups of warp threads on the face and back, the threads of each group lying continuously in side by side relationship and each group containing the same number of threads and at least three, the groups of weft threads of the face being interwoven with the groups of warp threads of the face and the groups of weft threads of the back being interwoven with the groups of warp threads of the back and the groups of each layer being in vertical alignment with those of the other layer whereby well defined coinciding vertical holes are formed at the points where the groups of weft threads intersect the groups of the warp threads and a plurality of intermediate binding weft threads not greater in number than the threads in each surface group, for binding the two layers together which binding weft threads do not appear on either surface but lie between the surface groups each binding thread lying in the same perpendicular plane as a pair of weft threads in the top and bottom surfaces respectively so that it will not obscure any of the vertical holes.

2,180,055
BOTTLE CAP
Samuel B. Hunt, Jr., Essex, Conn.
Application February 8, 1938, Serial No. 189,429
1 Claim. (Cl. 215—46)

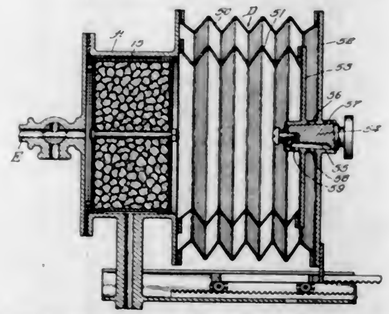


The combination with a skirted bottle cap having a disc top, of an upstanding rigid lever of substantially triangular cross section fixed at the base to the top and having the apex disposed at substantially the center of the top of the cap and having the side opposite the apex disposed adjacent the periphery of the top of the cap.

2,180,056
PROCESS FOR MANUFACTURING GREEN CERAMIC COLORS
Gustav Jaeger, Neu-Isenburg, and Heinrich Diehl, Frankfort-on-the-Main, Germany, assignors to Deutsche Gold- und Silber-Scheide-Anstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application February 1, 1937, Serial No. 123,554. In Germany February 3, 1936
6 Claims. (Cl. 106—36.2)

5. A green ceramic color of superior heat resistance which consists of the product obtained by heating together to a temperature within the range of about 1100 to about 1500° C. a beryllium compound selected from the group which consists of beryllium oxide and compounds of beryllium yielding beryllium oxide under the conditions of heating, and a chromium compound selected from the group which consists of chromium oxide and chromium compounds yielding chromium oxide under the conditions of heating.

2,180,057
MEASURING DEVICE
Horry M. Jones, Chicago, Ill.
Application April 30, 1938, Serial No. 205,351
3 Claims. (Cl. 128—191)

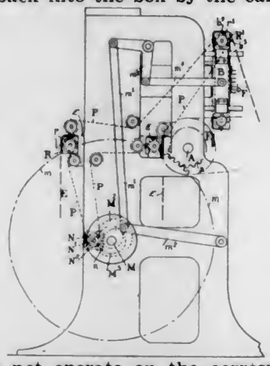


1. In a device for confining the exhalations of a patient and permitting their re-inhalation, a container having two expansible and contractible chambers therein, a passage connecting said chambers, a valve controlling said passage, a breathing tube connected to one chamber, and means for venting the other chamber to atmosphere, whereby said chambers may be caused jointly to confine the exhalations, or the exhalations may be confined slowly to one chamber with the other vented freely to atmosphere.

2,180,058
JACQUARD CARD AND VERDOL PAPER ROLL REPEATER CUTTING MACHINE
Norman Jones, Manchester, England
Application July 26, 1938, Serial No. 221,447
In Great Britain July 30, 1937
7 Claims. (Cl. 164—114)

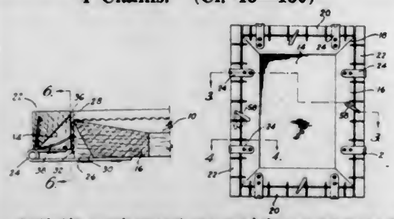
1. A jacquard card or verdol paper roll repeater punching machine, comprising the combination with a plurality of repeater needles and a corresponding number of punches operated thereby, of a spring needle box, a plurality of needles within said box, corresponding in number to and in alignment with the repeater needles, the normal space between the ends of the two sets of needles, being sufficient to allow the original set of cards or paper to pass between

them, and means for moving the spring needle box to register the cards or paper on to the repeater needles, in a direction parallel with the needles, whereby where there are holes in the original cards or paper, the spring needles will pass through and operate the corresponding repeater needles, to push them over the ends of the repeat card or paper punches, and prevent the latter rising with the repeat card or paper, so that the corresponding holes will be punched therein, but where there are no holes in the original card or paper, the spring needles will be pushed back into the box by the card or paper,



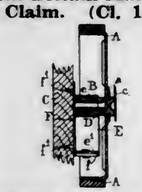
and will not operate on the corresponding repeater needles, and the latter will not be pushed over the ends of the punches, which therefore will not be held but will lift with the repeat card or paper, without punching holes therein, the repeater needles, being of twice the width of an original card, whereby two original cards are registered at one operation of the needle box, the upper half of the needle box carrying needles to register only with alternate holes in a card, in which every hole would be punched, and the lower half of the needle box carrying needles to register only with the other holes in the card.

2,180,059
ARTIST'S EQUIPMENT
Matthias M. Kándle, Chicago, Ill.
Application June 18, 1937, Serial No. 148,999
4 Claims. (Cl. 45—130)



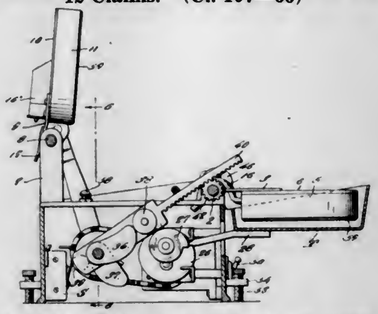
1. Artist's equipment comprising a canvas supportion frame having slots in its edges, a second frame comprising frame parts hingedly connected with the first frame, said frame parts being provided with slots aligning with the slots in the first frame, tensioning elements carried by said frame parts and lying within the slots therein, said tensioning elements having piercing elements arranged to penetrate a canvas associated with the first frame, said frame parts being so related to the first frame as to flex said tensioning elements after connection with the canvas when the frame parts are moved into predetermined relation with the first frame, to place the canvas under tension.

2,180,060
CARPET SWEEPER
James Maxwell Kenyon, Accrington, England, assignor to Entwisle & Kenyon Limited, Accrington, England
Application February 23, 1938, Serial No. 192,011
In Great Britain March 18, 1937
1 Claim. (Cl. 15—41)



In a carpet sweeper of the type referred to, a wheel comprising a disc, inwardly extending flanges on the periphery of the disc, a stub axle member, a bearing member journalled thereon, one of said members being attached to the centre of the wheel, a spring by which the free end of the other of said members is supported, the other end of the spring being anchored to the casing of the sweeper to allow the wheel being resiliently mounted in relation thereto, the said flanges forming a casing which encloses the said members and the supporting spring.

2,180,061
CAKE MAKING DEVICE
Alfred Lagrange, Woodside, Long Island, N. Y.
Application September 9, 1939, Serial No. 294,189
12 Claims. (Cl. 107—66)



1. A cake making machine of the class described comprising a base, a lower hot plate, an upper hot plate normally held in raised position, a batter tray at one side of the base, means for swinging the lower plate from a position resting on the base, in an arc to place its baking face in the batter and then to return the plate to its first position and means associated with the first-mentioned means for moving the top plate downwardly upon the lower plate and then to return the top plate to its first position.

2,180,062
ROLLER SKATE
John H. Lee, Jr., Oak Park, and Robert Lee Willis, Chicago, Ill., assignors to Metal Specialties Manufacturing Co., a corporation of Illinois
Application July 12, 1937, Serial No. 153,262
3 Claims. (Cl. 280—11.28)

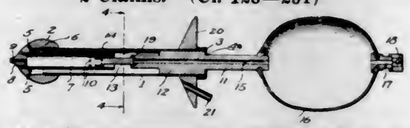
1. In a roller skate, a frame plate, a truck member carried thereby, said member being provided with downwardly turned flanges each of which contains a slot, a roller carrier having upwardly

turned flanges each of which contains a slot, a resilient cushion extending between said member and said carrier and having a vertically elongated opening extending longitudinally through the middle of said cushion, and a pin extending



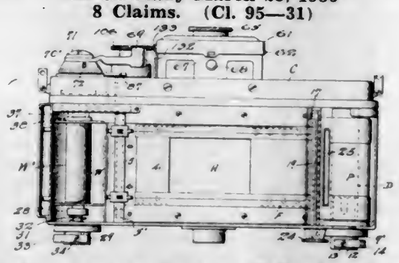
through the slots in said flanges and said opening in said cushion to secure the parts together, said opening in said cushion permitting vertical movement of said pin within said cushion and relative thereto, said pin being engaged only by the slots of said flanges and by said resilient cushion.

2,180,063
SYRINGE
Aubrey O. McKinley, Barnett, Mo.
Application March 31, 1937, Serial No. 134,166
2 Claims. (Cl. 128—231)



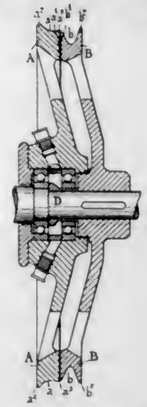
1. A syringe comprising a cylinder-like body, a head having a chamber secured on said body and having a plurality of annular passages opening outwardly to permit the discharge from the said body substantially radially from the body, a valve housing secured in said head and extending into the body and opening outwardly through one face of the head, a discharge nozzle detachably secured in said valve housing, a hollow stem slidable in the body and extending exteriorly thereof at one end and having secured to said end a fluid dispensing medium and provided with openings placing the stem in communication with the body when positioned outwardly of the valve housing and closed by the latter when said stem occupies another position, and a piston-like element carried by the other end of the stem and operating in the valve housing, said valve housing having ports communicating with the cylinder and controlled by the piston-like element.

2,180,064
CAMERA
Karl Nuchterlein, Dresden, Germany, assignor to Ihagee Kamerawerk Steenbergen & Company, Dresden, Germany
Application February 3, 1937, Serial No. 123,904
In Germany March 28, 1936
8 Claims. (Cl. 95—31)



1. In a camera of the roll film-type having shutters, the combination with a reversible film-winding spool, a rotary driving head for said spool and shutters, a single stroke operating lever mounted on the head, and a driving shaft on which the head is mounted, of a one-way clutch device comprising complementary clutch members mounted on the head and the shaft, means operable under control of said shutters for retaining one of said clutch members in driven position, and means for returning said clutch members to driving position.

2,180,065
GROOVED PULLEY FOR ROPE DRIVES
Terence Herriot O'Brien, Kendal, England, assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England
Application November 18, 1938, Serial No. 241,167
In Great Britain December 15, 1937
1 Claim. (Cl. 74—242.5)

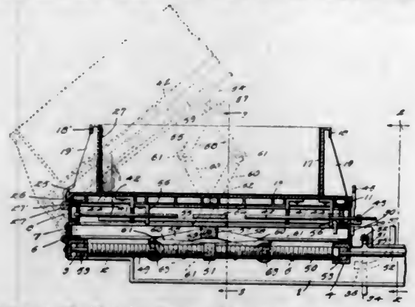


The combination of a pair of fast and loose grooved rope driving pulleys comprising a fast pulley with a relatively deep groove having the inner wall of the groove of less diameter than the outer wall and also of less diameter than the inner adjacent wall of the groove of the loose pulley and a loose pulley with a relatively shallow groove and the inner wall of the groove of less diameter than the diameter of the outer wall but of greater diameter than the inner adjacent wall of the fast pulley and formed with a laterally projecting nose to overlap the inner adjacent wall of the fast pulley and extend into the path of the rope on the fast pulley in normal running to contact with the side of the rope causing the loose pulley to rotate with the fast pulley thereby assisting the transfer of the rope from the fast to the loose pulley.

2,180,066
THREE-WAY DUMP TRUCK
Jesse Hanson Porter, Lonaconing, Md.
Application June 22, 1938, Serial No. 215,258
4 Claims. (Cl. 298—18)

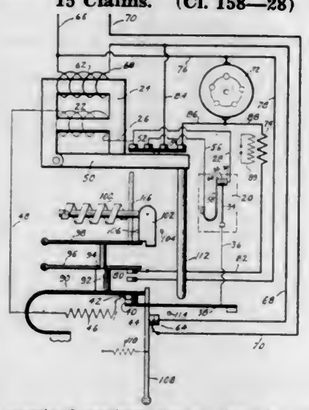
1. In a dump truck, a pair of coinciding open rectangular supplemental dumping frames superimposed upon the chassis frame of the truck, the lower supplemental frame being hingedly attached at one end to the end of the chassis frame and the upper supplemental frame being hingedly attached at one side to the corresponding side of the lower supplemental frame, a body hingedly attached at its side to the side of the upper supplemental frame opposite to that side of said

frame which is attached to the lower supplemental frame, separate selectively operable means for releasably locking the lower supplemental frame to the chassis frame, the upper supplemental frame to the lower supplemental



frame and the body to the upper supplemental frame, and power means cooperably arranged directly between the chassis frame and said body and operating through said supplemental frames to raise and lower the body according to the selective release of said frame-locking means.

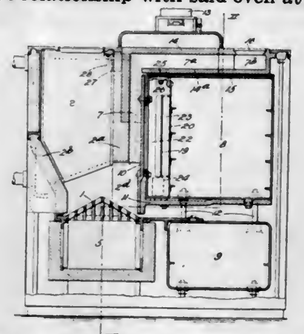
2,180,067
CONTROL APPARATUS
Eldon D. Raney and Warren H. F. Schmieding, Columbus, Ohio, assignors to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application September 21, 1937, Serial No. 164,910
15 Claims. (Cl. 158—28)



1. A control system for a fuel burning device comprising in combination; electrically operated means for controlling the fuel burning device; an electrical circuit for rendering said means operative including a switch; means responsive to deenergization of the electrically operated means for opening said switch; and thermostatic means operable after a predetermined time for closing said switch.

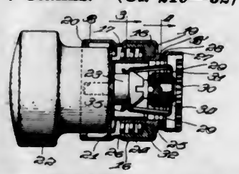
2,180,068
DOMESTIC COOKING APPARATUS
Charles Ludovic Scott, London, England, assignor to Allied Ironfounders Limited, London, England, a British company
Application March 22, 1938, Serial No. 197,453
In Great Britain August 10, 1937
5 Claims. (Cl. 126—1)

1. A domestic stove fired by solid fuel including a fire grate and at least two heat consumption members or groups of heat consumption members, the first including at least one cooking oven located at one side of said fire grate, a heavy metallic member of heat-resistant steel in heat-conductive relationship with said oven at least on



the side adjacent the fire by direct contact with radiant fuel, and the second including at least one hotplate deriving heat from the combustion gases by convection, and insulating means for said oven adapted to insulate it from the convected heat of said gases adjacent the point where convected heat is being transferred to the hotplates.

2,180,069
ELECTRIC CIGAR LIGHTER
John Sinko, Oak Park, Ill.
Application September 22, 1938, Serial No. 231,241
7 Claims. (Cl. 219—32)

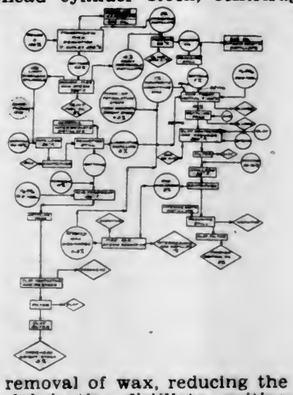


2. An electric cigar lighter plug member comprising: a hollow body affording a ground contact; a knob having a switch contact movably mounted within said body and connected to said ground contact; a spring urging said switch contact rearwardly; and an igniter member mounted on the front end of said body having a perforate contact cup to engage a socket contact, a resistance element in said cup having one end connected thereto, and a thermostatic switch member mounted in said cup adjacent to said resistance element and electrically connected to the other end thereof, said switch member having a plurality of contact arms extending into said body through the back of said cup and adapted to grip the movable switch member releasably to close the circuit when the spring is compressed by said knob.

2,180,070
MANUFACTURE OF LOW POUR TEST LUBRICATING DISTILLATES
Herschel G. Smith, Swarthmore, Pa., assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 9, 1932, Serial No. 610,200
2 Claims. (Cl. 196—18)

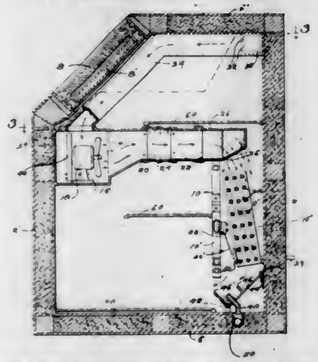
1. In the manufacture in high yield of low cold test lubricating distillates from low grade crudes, the process which comprises reducing

such a crude and recovering an uncracked pressable distillate and a residuum, distilling off from said residuum a heavy pressable distillate and a light overhead cylinder stock, mixing said pressable distillates and filter pressing the same to remove crystalline, readily pressable wax; diluting said overhead cylinder stock, centrifuging the



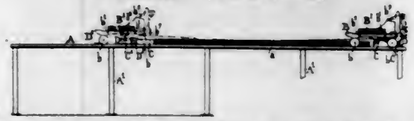
same for removal of wax, reducing the same to recover a lubricating distillate, uniting said lubricating distillate with said filter pressed distillates, adding sufficient amorphous wax to render the wax content of the mixture centrifugeable, removing the wax content by centrifuging in a liquid separator at low temperatures and recovering a low cold test neutral oil.

2,180,071
REFRIGERATOR
Harvey J. Smith, Danville, Va.
Application September 12, 1938, Serial No. 229,629
3 Claims. (Cl. 62—89.5)



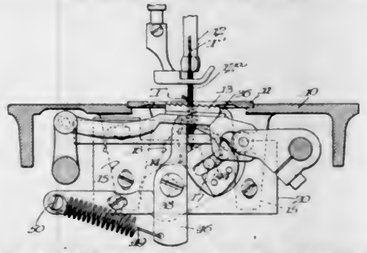
1. A refrigerator comprising a cabinet having a front door, an interior removable upright longitudinally extending partition, means at the opposite ends of the cabinet for detachably supporting the partition, said partition being spaced from the rear wall of the cabinet to form a compartment open at top and bottom and a heat exchange unit mounted in the compartment, a longitudinally extending conduit having air intake ports and located in the upper part of the cabinet, said conduit having a downwardly extending transverse leg at one end terminating in a walled fan chamber, a fan in the chamber and an electric motor therefor, a transversely extending conveying-conduit connected with said chamber, a coupling in said conveying-conduit, a longitudinally extending discharge-conduit connected at one end to the conveying-conduit, and said discharge-conduit having air ports directly above the heat exchange unit.

2,180,072
CLOTH LAYING MACHINE
John Norman Smith, Manchester, England, assignor of one-fourth to Hetty Walker, one-fourth to Harold Parr, and one-fourth to William Horace Smith trading as T. Walker & Company, Manchester, England
Application June 16, 1938, Serial No. 214,061
In Great Britain July 14, 1937
7 Claims. (Cl. 270—31)



1. A cloth laying machine comprising a stationary laying table, a shaft extending transversely of the table, a pair of gripping arms formed in two portions mounted on the shaft and a vertical pin by which the two portions are pivoted together, a pair of cam levers loosely mounted on the shaft, links connecting the cam levers to the gripping arms, a second pair of cam levers keyed to the shaft, a carriage carrying the cloth traversed to and fro over the table, and projections on the carriage to operate the cam levers for opening the gripping arms.

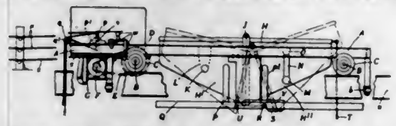
2,180,073
TUFTING MECHANISM FOR SEWING MACHINES
Loyd A. Smith, Lexington, N. C., assignor to West Point Manufacturing Company, West Point, Ga., a corporation of Alabama
Application August 2, 1938, Serial No. 222,711
11 Claims. (Cl. 112—79)



1. In a tufting mechanism, a supporting element, a looper oscillatable with respect to said element, a gripping element facing said looper, gripping means on said looper arranged to cooperate with said first-named gripping element, and opposed cutting edges on said supporting element and said looper, respectively.

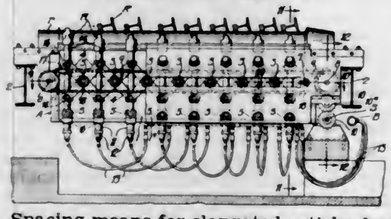
2,180,074
CONVEYER
William Herbert Smith, East Molesey, England
Application June 30, 1937, Serial No. 151,286
In Great Britain July 21, 1936
19 Claims. (Cl. 214—86)

1. A conveyer for dealing with loads singly comprising a chassis, a load-receiving compartment and an electric driving motor mounted on said chassis, contact means through which current is conveyed to said electric motor, switch means interposed between said contact means and said motor, said switch having contacts to provide forward and reverse movement of said conveyer, a rotatable shaft extending transversely across said chassis, contact means of said switch means rigidly mounted on said shaft, two operating means connected to said shaft one at each



end, two stop means one positioned at each end of the desired travel of the conveyer in the respective path of each of said operating means for moving said operating means to rotate said shaft and move said contact means to an "off" position, and manually operable means for returning said switch to a closed position for either forward or reverse travel at will.

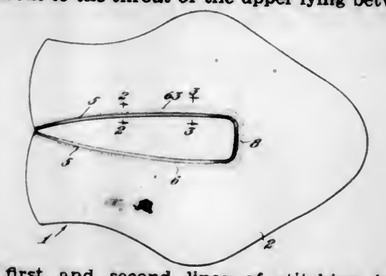
2,180,075
RAIL SPACING APPARATUS
Earl B. Stout, Gary, Ind.
Application May 20, 1938, Serial No. 209,123
6 Claims. (Cl. 198—34)



1. Spacing means for elongated articles located on horizontally disposed skidways lying transverse to the longitudinal axis of said articles, said means comprising an extensible and contractible pantograph or lazy-tongs mechanism horizontally sustained below said skidways in parallel relation thereto, said mechanism carrying in spaced alignment thereon a plurality of lifting jacks, the moving plunger element of each said jack being located in a vertical position and the end of each said plunger being provided with means adapting said end to engage with an elongated article, means to actuate said pantograph mechanism to extend or to contract the same, and means to actuate said lifting jacks separately or collectively, each said actuating means being operative independently of the other.

2,180,076
SHOE
Nathan Swartz, Lynn, Mass.
Application November 25, 1938, Serial No. 242,247
1 Claim. (Cl. 36—57)

A shoe of the class described, including an upper, a lining and an elastic piping interposed between the upper and lining, the piping having a beaded edge which projects outwardly beyond the upper edges of the upper and lining, the upper and piping being secured together by a line of stitching extending around the top marginal portions of the upper, the lining being secured to the upper and piping by a second line of stitching disposed in closely spaced relation to the first line of stitching at the rear portion of the upper, but spaced at least approximately ⅛ inch from said first line of stitching at the throat portion of the upper, the portion of the lining at and adjacent to the throat of the upper lying between



the first and second lines of stitching being trimmed off, thereby defining a zone of increased flexibility and extensibility at and adjacent to the throat portion.

2,180,077
FRUIT PICKING DEVICE
Rex W. Vote, Thermal, Calif., assignor of one-third to A. F. La Fonde and one-third to Leo F. Falder, both of Los Angeles, Calif.
Application September 20, 1938, Serial No. 230,853
1 Claim. (Cl. 56—339)

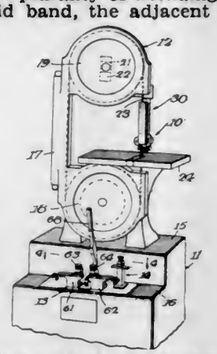


A fruit picker comprising a substantially barrel-shaped basket having a cylindrical mouth, a closed bottom, an outwardly flaring ferrule extending axially from said bottom, and a bulging body portion intermediate said mouth and bottom, said basket and ferrule being formed of a plurality of elongated wire elements grouped lengthwise together in circular formation about a common axis and bent upon themselves to provide connected pairs of spaced parallel stretches forming said mouth, pairs of bowed stretches forming said body portion and bottom, and pairs of divergent stretches forming said ferrule, and a plurality of rings connecting said elements together in circular formation, one at the inner end of said mouth and a pair at the outer and inner ends of said ferrule, respectively.

2,180,078
COMPOUND ABRADING AND BRAZING MACHINE
Leighton A. Wilkie, Glencoe, Ill., assignor to Continental Machines, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application May 27, 1935, Serial No. 23,554
12 Claims. (Cl. 29—68)

1. A band for an abrading device comprising a flexible band, a headed pin on one end of said

band for engaging a keyhole slot in the other end of said band for connecting said ends together, and a plurality of abrading elements secured to said band, the adjacent ends of said



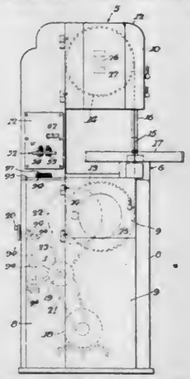
elements on the ends of said band being provided with cooperating slots for affording clearance for the head of said pin during the straight run of said belt.

2,180,079

CONVERTIBLE SAWING AND ABRADING MACHINE

Leighton A. Wilkie, Minneapolis, Minn., assignor to Continental Machines, Incorporated, Minneapolis, Minn., a corporation of Minnesota

Application January 7, 1938, Serial No. 183,764
In Canada February 22, 1937
27 Claims. (Cl. 29—76)



1. In an abrading device, a pair of pulleys, a metallic one piece band trained about said pulleys, means for rotating one of said pulleys, file elements rigidly connected to said band, the adjacent ends of said file elements interfitting and having their ends abutting continuously across said elements along a line at right angles to the edges of said band, and means on the adjacent ends of said band for detachably connecting the same together whereby said band may be inserted in closed openings for filing the interior thereof and for removing the band and elements from said openings.

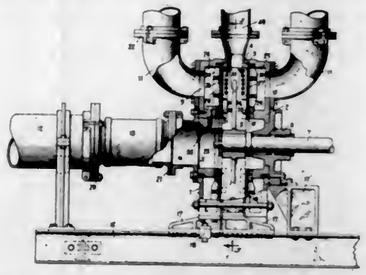
2,180,080

APPARATUS FOR REFINING PAPER STOCK

Edwin Cowles, Hopewell, N. J., assignor to The Cowles Company, Princeton, N. J., a corporation of New Jersey

Application July 5, 1935, Serial No. 29,842
10 Claims. (Cl. 92—26)

10. Apparatus for refining paper stock, comprising in combination, a casing, a flat screen in said casing, said casing having an inlet opening on one side of said screen and an outlet opening on the opposite side of said screen, and an im-



peller having vanes rotatable within said casing on an axis perpendicular to said screens, said impeller vanes having scrapers mounted thereon bearing laterally against said screen.

2,180,081

COMPOSITION OF MATTER

Martin Mueller-Cunradi, Michael Otto, Walter Daniel, and Robert Werner, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Original application July 3, 1934, Serial No. 733,626. Divided and this application May 4, 1937, Serial No. 140,692. In Germany July 8, 1933
10 Claims. (Cl. 47—8)

1. A composition of matter suitable for sealing wounds of plants comprising a high molecular polymer of an iso-olefine.

2,180,082

POLYMERIZATION PRODUCTS FROM BUTADIENE OR ITS SUBSTITUTION PRODUCTS AND SOLID POLYMERIZED ISOBUTYLENE

Martin Mueller-Cunradi and Walter Daniel, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 7, 1938, Serial No. 183,796. In Germany January 22, 1937
5 Claims. (Cl. 260—42)

1. A process of producing rubber-like polymerization products which comprises polymerizing a member of the group consisting of butadiene and its substitution products in the presence of solid highly polymerized isobutylene.

2,180,083

RUBBERLIKE POLYMERIZATION PRODUCTS FROM VINYL CARBAZOLE AND SOLID POLYMERIZED ISOBUTYLENE

Martin Mueller-Cunradi and Walter Daniel, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 7, 1938, Serial No. 183,797. In Germany April 14, 1937
3 Claims. (Cl. 260—42)

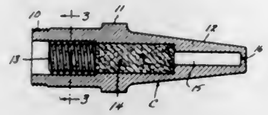
1. A process of producing rubberlike polymerization products, which comprises polymerizing vinyl carbazole in the presence of solid, highly polymerized isobutylene.

2,180,084

SPRAY NOZZLE

Charles L. Gebauer, Cleveland, Ohio, assignor to The Gebauer Chemical Company, Cleveland, Ohio, a corporation of Ohio

Application February 24, 1937, Serial No. 127,472
1 Claim. (Cl. 299—107)



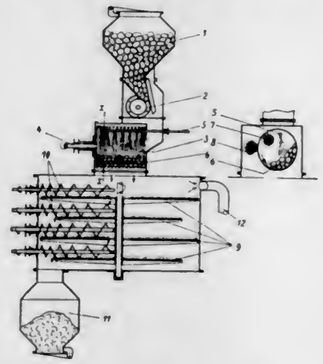
A spray nozzle for volatile liquids comprising an elongated member having a passage extending longitudinally therethrough, a baffle element comprising a plug fitting in one end of said passage, said plug having external helical grooves adjacent the wall of said passage, whereby the liquid in the grooves will be exposed to the temperature of the said member, the other end of said passage being restricted to a capillary orifice, said passage being enlarged behind said orifice to form an expansion chamber, and a filling of fibrous material in said passage, between said grooved plug and said expansion chamber.

2,180,085

APPARATUS FOR THE PREPARATION OF ACETYLENE

Hermann Holler and Otto Mues, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application November 6, 1936, Serial No. 109,510
In Germany November 9, 1935
9 Claims. (Cl. 48—33)



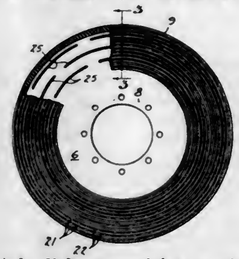
1. A device for generating acetylene from calcium carbide and water, the quantity of water added being limited so that a pulverulent residue is obtained which apparatus comprises at least one revolving screen for the reception of the calcium carbide to be gasified, a water inlet pipe arranged above the axis of each revolving screen and having at least one exit opening so that only the carbide within this screen is moistened, at least one revolving plate mounted below the revolving screen and at least one means mounted above the plate for moving the reacting material over the plates and a casing enclosing all the aforesaid parts.

2,180,086

CLUTCH

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 8, 1936, Serial No. 114,792
18 Claims. (Cl. 192—107)



14. A clutch disk comprising a plate having a peripheral friction element of resilient rubber composition, closely spaced relatively soft rubber ribs formed on the friction element and integral therewith for engagement with a clutch face, said ribs separated from one another by distances less than the thickness of the ribs, said distances being less than the depth of the spaces between the ribs and the thickness of the ribs being less than the depth of the ribs.

2,180,087

WET TREATMENT OF RAW BAST FIBERS

Helmuth Korte, Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application October 20, 1936, Serial No. 106,693. In Germany October 24, 1935
5 Claims. (Cl. 8—154)

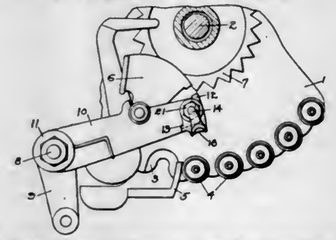
1. The process of producing fibers which comprises subjecting raw bast fibers to mechanical treatment in a decorticator to remove woody matter therefrom, and subjecting the so treated fibers in the form of roving on cross wound bobbins to a wet treatment adapted to improve the physical properties of the fibers.

2,180,088

TRANSFERRER

William Edward Lundgren, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

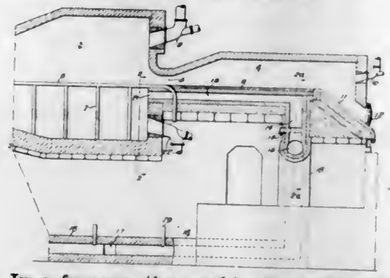
Application July 19, 1939, Serial No. 285,252
3 Claims. (Cl. 139—244)



1. A transferrer comprising in combination, a body portion having a hub and a rearwardly extending arm, the rearward end of said arm having a horizontal lower face and a vertical side face, a detachable piece having an upper surface engaging said lower face on said transferrer and further having at its lower side a striking surface for engaging the butt of a bobbin during trans-

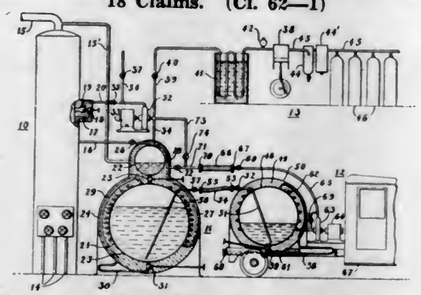
fer, said piece extending upwardly in engagement with said vertical side face, a bobbin-engaging fork member fixed in said arm and extending through said upwardly extending portion of said detachable piece, and means on said member for fixing said detachable piece to said arm.

2,180,089
FURNACE
George R. McDermott, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application October 7, 1938, Serial No. 233,829
5 Claims. (Cl. 263—6)



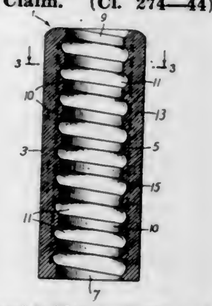
1. In a furnace, the combination with a heating chamber having a hearth at one end thereof and a plurality of rails forming a track along which work pieces travel to reach said hearth, of means for producing a longitudinally extending hot spot in said hearth in line with said rails comprising a heating flue embedded in said hearth, one end of said flue opening into said chamber and the other end being operatively connected to a source of draft.

2,180,090
METHOD AND APPARATUS FOR DISPENSING GAS MATERIAL
William F. Mesinger, Mount Vernon, N. Y., assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application February 18, 1936. Serial No. 64,487
18 Claims. (Cl. 62—1)



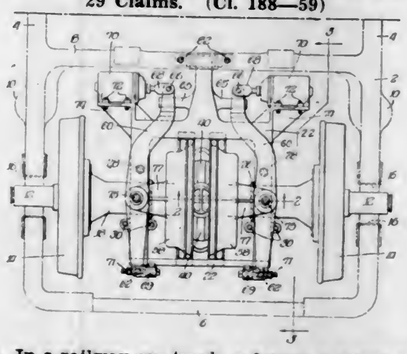
12. The method of handling normally gaseous material to provide for the delivery of a predetermined quantity in bulk form from a production plant to a consuming installation, which method comprises segregating, in a container protected by insulation and mounted on a transportable vehicle, a charge of said material in the liquid phase sufficient in quantity not only to offset evaporation losses occasioned by the handling of the charge at the production plant but also to insure the delivery of said predetermined quantity, and subcooling said charge of liquid to a temperature sufficiently low to offset the leakage of heat into the container through the insulation and to insure that said charge will be at a temperature below its boiling temperature at the existing pressure when delivered.

2,180,091
SOUND RECORD TABLET
Leland D. Norton, Fairfield, and John H. Horwath, South Norwalk, Conn., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application May 2, 1938, Serial No. 205,414
1 Claim. (Cl. 274—44)



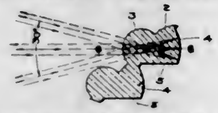
A sound record tablet including a body of wax-like material presenting a cylindrical record-receiving outer surface and having a tapered bore and a reinforcing member embedded in said body, said member comprising a perforated and longitudinally corrugated tube of paper which has been impregnated with an adhesive substance having the bonding properties of rubber latex, said body material extending through said perforations and being effectively bonded to said paper tube, and the corrugations of said tube being disposed in said body substantially parallel with its cylindrical outer surface.

2,180,092
RAILWAY BRAKE
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 10, 1939, Serial No. 255,599
29 Claims. (Cl. 188—59)



1. In a railway car truck, a frame, a wheel and axle assembly journaled therein, said assembly comprising a normally non-rotatable inner axle, a normally rotatable outer axle, anti-friction bearings between said axles, wheels fixed on said rotatable axle, means on said rotatable axle supporting brake shoes intermediate the wheels, said brake shoes being positioned around said axle and radially movable, a framework journaled on said rotatable axle, braking drums pivotally supported from said framework, and means on said framework operable to move said drums into braking engagement with said shoes, said operable means comprising brake levers fulcrumed at their outer ends from said framework, power means mounted on said framework and connected to the inner ends of said levers, and a pivotal connection with the adjacent brake drum intermediate the ends of each lever.

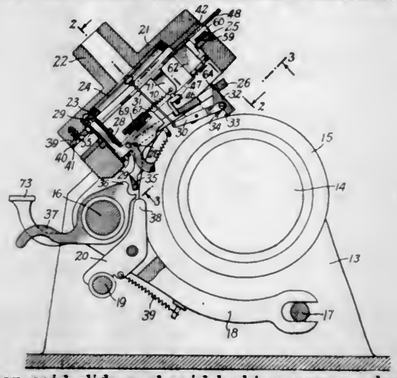
2,180,093
REFLECTING DEVICE
Charles A. Persons, Worcester, Mass., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application March 10, 1936, Serial No. 68,048
2 Claims. (Cl. 88—82)



1. A reflector comprising a glass plate designed to be used in an inclined position and provided with a plurality of units, each unit comprising a convex lens on one side of said plate and a convex projection, coated to perform the functions of a mirror, on the opposite side of the plate, said mirror being located in reflecting relationship to the lens and offset upwardly with reference to the lens, the mirror of each unit extending above its respective lens and laterally beyond it at opposite sides thereof for substantial distances, but the lens extending below the lower edge of the mirror, the lower edge of each mirror being connected to the plate by a surface extending from said edge and meeting the plate on a line closely adjacent the upper edge of the mirror of the unit next below and above the lower portion of its related lens, said lens and mirror being arranged substantially in autocollimating relation on an axis at an acute angle to the plate.

2,180,094
SOUND BOX FOR DICTATING MACHINES
John E. Renholdt, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application September 24, 1937, Serial No. 165,424
9 Claims. (Cl. 274—30)

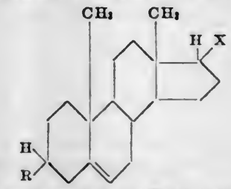
9. In a sound box adapted to be detachably mounted on the carriage of a dictating machine in operative relation to a record tablet, in combination, a support mounted universally for up-and-down and lateral movements in relation to said tablet, a carrier for a recording and a reproducing stylus pivotally mounted to present one or the other of said styli in operative relation to said tablet, said carrier being connected with said support for movement therewith, a movable cam member having a connection with said support for effecting up-and-down movements of said support, a reciprocatory slide adapted during one part of its movement to engage and raise said cam member, means for moving said slide selectively in either direction of reciprocation to actuate said cam member first to raise and then to lower said support and carrier, means on said slide adapted in the raised position of said carrier to engage and rock said carrier, whereby opposite movements of said slide selectively condition the respective styli in operative relation to the record tablet, means adapted to lock said support against lateral movement, and a resilient connection be-



tween said slide and said locking means adapted to effect locking of said support when said slide is operated to present the recording stylus to the record tablet.

2,180,095
VALUABLE DEGRADATION PRODUCTS OF STEROLS AND A METHOD OF PRODUCING THE SAME
Lothar Strassberger, Berlin-Wilmersdorf, and Helmut Jacobi, Berlin-Charlottenburg, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application March 9, 1936, Serial No. 67,908. In Germany March 9, 1935
23 Claims. (Cl. 260—397)

1. A method of producing unsaturated polycyclic hydroxy acid compounds of the general formula $C_{19}H_{28}XR$ and the structural formula

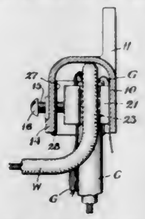


wherein X represents a radical belonging to the group consisting of $CH(CH_3).CH_2.CH_2.COOH$, $CH(CH_3).CH_2.COOH$ and $CH(CH_3).COOH$, and R represents a radical belonging to the group consisting of hydroxyl and groups which, upon hydrolysis, are replaced by a hydroxy group, comprising treating a reaction mixture obtained on subjecting sterols containing a double bond in their cyclopentano polyhydro phenanthrene ring system, to the action of oxidizing agents capable of splitting up single carbon to carbon bonds with an agent capable of separating out the acid fraction, and subjecting the separated acid fraction to an agent capable of isolating said unsaturated polycyclic hydroxy compounds present in said acid fraction.

2,180,096
ENTRANCE FITTING
George C. Thomas, Jr., Elizabeth, and Carroll A. Badeau, Highland Park, N. J., assignors to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application February 11, 1937, Serial No. 125,236
13 Claims. (Cl. 174—81)

1. An entrance fitting for a cable having one

or more wires therein, comprising a hood member having the general shape of an inverted cup and provided with means adapted to be used to secure the entrance fitting to some other structure, an insulating member received within the hood member, the insulating member being adapted to have wires of a cable bent thereover



to provide an insulating spacer between the wires and the cable and so that the wires may be directed downwardly and may project outwardly beneath the lower edge of the hood member, and operating means carried by the hood member and operable to clamp the cable and the insulating member between the operating means and the inner wall of the hood member.

2,180,097

CALK FOR TIRE CHAINS

John R. Reyburn, Fairfield, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York

Application March 22, 1937, Serial No. 132,279

5 Claims. (Cl. 152—245)



1. In a cross chain of a tire chain, a curb link, and a saddle member secured to the link and consisting of a body formed with oppositely inclined seats fitted upon the upper faces of the opposite side strands of the curb link and a depending portion at each side of the body projecting below the adjacent side strand, the depending portions of the saddle flaring outwardly and downwardly from the body at a wide angle to each other and forming road engagement projections.

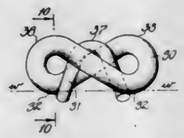
2,180,098

TREAD LINK FOR TIRE CHAINS

Preston M. Hall, Worcester, Mass., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York

Application April 2, 1937, Serial No. 134,508

15 Claims. (Cl. 152—245)



1. In an anti-skid device, a tread link consisting of a pair of side strands connected at opposite ends thereof to form a closed loop, and a V-shaped member secured to the link with the apex of the V seated between the side strands of the link and the legs of the V projecting downwardly below the plane of the lowermost portions of the link and laterally beyond the sides of the link.

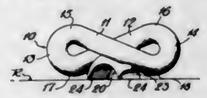
2,180,099

TREAD MEMBER FOR ANTISKID DEVICES

Howard A. Delano, Springettsbury Township, York County, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York

Application April 2, 1937, Serial No. 134,471

18 Claims. (Cl. 152—245)



17. An antiskid device comprising a tread link and a semi-cylindrical caulk having its round side disposed toward and welded to the link.

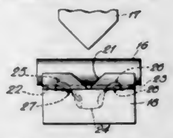
2,180,100

METHOD OF AND MEANS FOR FORMING A LINK REINFORCEMENT

Edward A. Conner, Stratford, Conn., and William E. Myers, York, Pa., assignors to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York

Application June 3, 1938, Serial No. 211,511

13 Claims. (Cl. 59—35)



1. The method of forming a V-shaped reinforcement from a straight bar for a link of loop form which consists in bending said bar into V form and in providing the outer faces of the legs of the V with recesses conforming to and extending in the direction of those portions of the side strands of the link to which they are to be welded.

2,180,101

REINFORCED ANTISKID TIRE CHAIN

Edward A. Conner, Stratford, Conn., and William E. Myers, York, Pa., assignors to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York

Application June 3, 1938, Serial No. 211,510

14 Claims. (Cl. 152—243)



1. In an anti-skid chain, a curb tread link comprising oppositely inclined side strands and end loops defining a pair of tire engaging lobes and a pair of ground engaging lobes, and a reinforcing bar on the bottom side of the link and extending diagonally of said link and welded to said side strands at points adjacent to said ground engaging lobes and having its ends diverging and extending downwardly below the plane of the lowermost portions of said ground engaging lobes of the link and laterally beyond the sides of the link.

2,180,102

REINFORCED ANTISKID TIRE CHAIN

Howard A. Delano, Springettsbury Township, York County, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York

Application April 23, 1938, Serial No. 203,732

13 Claims. (Cl. 152—243)



1. In an antiskid device, a tread link comprising a pair of side strands connected at opposite ends thereof to form a closed loop, and spaced transversely extending bars bridging the link and secured at points on each side of the link, the said bars making an angle with the plane of the road and with each other.

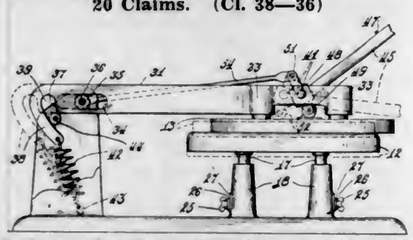
2,180,103

PRESSING AND IRONING MACHINE

George C. Engbrecht and Arthur J. Olsen, Chicago, Ill., and Anton M. Olsen, Milwaukee, Wis., assignors to Permo Products Corporation, a corporation of Illinois

Original application October 8, 1931, Serial No. 567,648. Divided and this application March 24, 1937, Serial No. 132,694

20 Claims. (Cl. 38—36)



2. In a pressing machine having a base, a pressing head and a buck mounted on said base, and means for moving the head down to and up away from the buck, means for supporting said buck including supporting elements on said base, means on said supporting elements bearing against the buck to maintain the same spaced from the supporting elements, and means to adjust said supporting elements vertically with reference to the base.

2,180,104

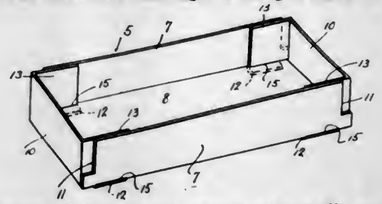
COLLAPSIBLE CARTON

Louis De Marco, Jr., Chicago, Ill., assignor to Superior Felt & Bedding Company, Chicago, Ill., a corporation of Delaware

Application August 13, 1936, Serial No. 95,891

2 Claims. (Cl. 229—35)

1. A carton formed from a blank of flexible material cut and scored to provide a bottom and four side walls hingedly connected to the bottom, one pair of opposite side walls having integral corner flaps at opposite ends thereof lying against the inner surfaces of the other side walls, said corner flaps having downwardly extending projections inserted through slots provided at the



juncture of the second named side walls and the bottom.

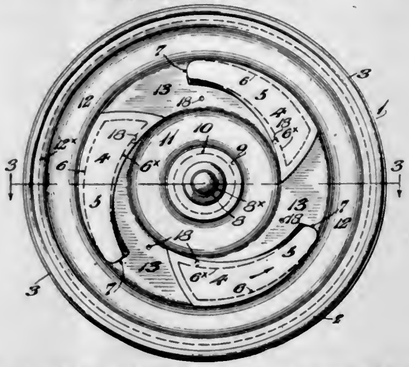
2,180,105

ROAD MARKER AND METHOD OF APPLYING THE SAME

Francis J. Farrell, Philadelphia, Pa.

Application December 15, 1938, Serial No. 245,811

7 Claims. (Cl. 94—1.5)



1. A road marker comprising a circular body portion, a flange depending from the periphery thereof, and a plurality of discontinuous longitudinally tapered tongues depending from said body portion, said flange and said tongues being adapted to engage a cement for securing said marker to the road.

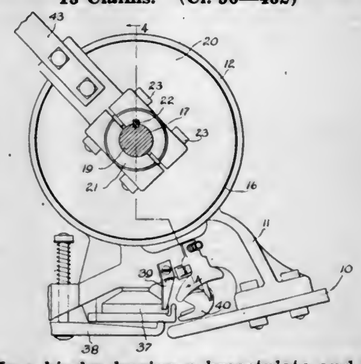
2,180,106

BINDER

Gustaf Hammer, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 8, 1938, Serial No. 200,851

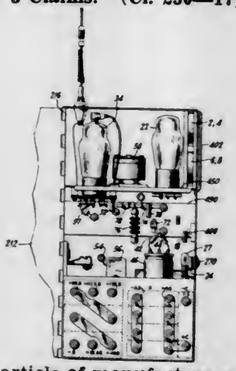
13 Claims. (Cl. 56—432)



1. In a binder having a breastplate and knot-

ter mechanism, the combination of a housing carried by the breastplate and having an annular recess adapted to contain lubricant, a knotter shaft journaled in the housing and extending axially of the recess, a circular driving member secured to the shaft and lying substantially entirely within the recess, said member further including gear teeth formed on its inner face, a stub shaft journaled in the housing, and a pinion secured to the shaft within and enclosed by the housing and meshing with the gear teeth on the driving member, said stub shaft being adapted at one end to drive a portion of the knotting mechanism.

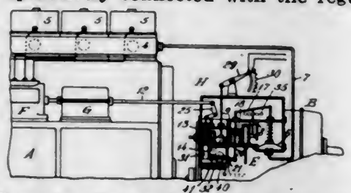
2,180,107
SHORT WAVE TRANSMITTER
Jarrett L. Hathaway, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 25, 1937, Serial No. 127,628
3 Claims. (Cl. 250—17)



1. As an article of manufacture, a radio transmitter comprising a metallic container having a top, a bottom and two sides, doors closing the ends of said containers and secured thereto by hinges along one of said sides, a pair of horizontal metallic shelves connecting said sides and dividing the interior of said container into compartments, a portion of the circuit elements of said transmitter supported by said shelves, a microphone supported at the top and in front of said container, a screened aperture in the side wall of said container over said microphone, power supply batteries supported within the compartment formed by the bottom shelf, a removable vertical wall member between said shelves carrying tuning coils and condensers of said transmitter, an antenna external to said container and supported by a feed-through insulator in the top of said container and carrying handles secured to each of said doors.

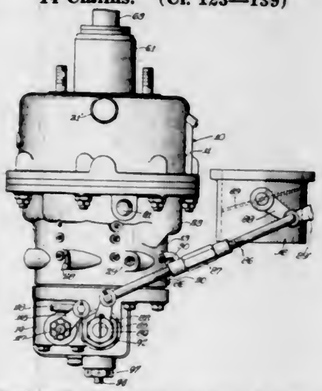
2,180,108
SUPERCHARGED COMBUSTION ENGINE
Hans Heinzelmann, Effretikon, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application May 4, 1936, Serial No. 77,658
In Switzerland May 6, 1935
6 Claims. (Cl. 290—7)

1. The combination with a supercharged internal combustion engine and a power transmission system which comprises means for supplying fuel to the engine, a governor driven by the engine which is operatively connected to the means for supplying fuel, means for charging air to the engine, a regulator actuated by the pressure of the charging air, means operatively connecting the regulator and the fuel supply means, whereby the supply of fuel may be varied in accordance with the pressure of the charging air, means operatively connected with the regulator



for influencing the action of the governor, a generator driven by the engine, a device for varying the load on the generator, and means operatively connecting the device and the governor, whereby the fuel supply means may be responsive to the action of the device.

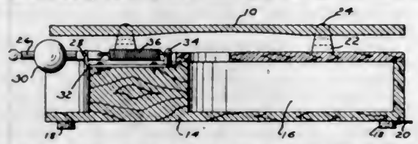
2,180,109
FUEL PUMP
Carl F. High, Flint, Mich.
Application April 22, 1937, Serial No. 138,389
14 Claims. (Cl. 123—139)



1. A fuel and air supply system for an internal combustion engine comprising an air intake manifold and a valve having means for actuating the same, a fuel distributing device having a plurality of fuel impelling elements for supplying fuel to the engine, fuel control means for varying the fuel supply to the engine, a shiftable cam element rotatable in contact with said fuel control means, and manually operable throttle means interconnecting the cam element and the actuating means of the air intake valve so that the ratio of fuel to air supply to the engine is maintained at a definite ratio irrespective of the quantity of fuel admitted to the engine throughout the range of engine speeds, and independent adjusting means directly operable upon said shiftable cam element to shift the position thereof with respect to said fuel control means and cause a change in the fuel-air ratio dependent upon the respective movements of the fuel control means and the air intake valve.

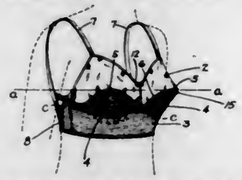
2,180,110
TUNING DEVICE
Charles Hultsch, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application September 27, 1937, Serial No. 165,930
5 Claims. (Cl. 84—454)

1. A tuning device comprising a flat tuning bar, a plurality of pins rigidly carried by and projecting from the sides of said tuning bar, a base, and a plurality of pairs of brackets secured to said base, said pairs being arranged near the



opposite ends of said bar with the brackets on opposite sides of the bar, said brackets having soft rubber parts forming permanent parts of the brackets and engaging said pins to support the tuning member on the base.

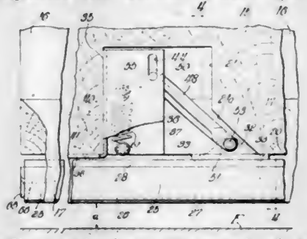
2,180,111
BODY SUPPORTING GARMENT
Ruth M. Kapinas, Minneapolis, Minn., assignor to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware
Application March 22, 1937, Serial No. 132,365
5 Claims. (Cl. 2—42)



1. A bust-supporting garment including a fabric body section adapted to encircle the body below the busts, and a bust pocket section, said bust pocket section comprising a pair of flat-formed fabric lower bust portions connected to and projecting upwardly from the front of the body section and being devoid of fashioning seams along their line of connection with the body section, said lower bust portions terminating in upper ends at the apex area of the busts, said lower bust portions being laterally separated by a vertical cleft extending downwardly approximately to the bottom of the bust pocket position so as to be independently moldable out of their flat form to support the undersurfaces of the individual busts, and fabric upper bust portions of concave form secured along their under edges around the top and side edges of the respective lower bust portions and being interconnected in the area between the lower bust portions.

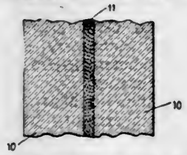
2,180,112
PARTITION DOOR
Malcolm L. Jones, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a corporation of Illinois
Application September 10, 1937, Serial No. 163,211
17 Claims. (Cl. 20—20)

1. A weather strip construction for a movable door panel, comprising a horizontally shiftable sealing member disposed along the lower edge of said panel, arm means connected at their inner ends to the door and held thereby against horizontal movement relative thereto, said arm means being connected at their lower ends to said sealing member for swinging movement relative thereto as said sealing member is shifted horizontally along the lower edge of the door panel, and a spring connecting each of said arm means with said panel for biasing the arm means to yieldingly hold said sealing member out of contact with the floor during movement of said door, and means for shifting said sealing member horizontally against the action of said springs, the



corresponding swinging movement of said arm means forcing said sealing member downwardly into floor engaging position.

2,180,113
TRANSLUCENT SCREEN
Edwin H. Land, Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application November 19, 1937, Serial No. 175,421
6 Claims. (Cl. 88—24)

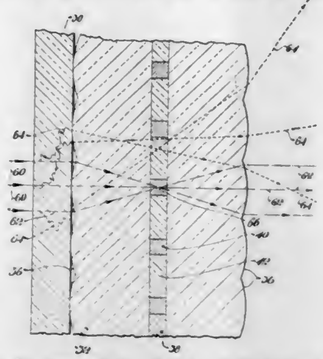


5. A translucent screen comprising a sheet of a set, transparent plastic having distributed therethrough a multiplicity of minute, closely adjacent, transparent particles of such shape that the boundary surfaces between the particles and the plastic are non-parallel, the particles having one dimension substantially longer than the wave lengths of visible light, the indices of refraction of the plastic and the distributed particles differing only slightly for light of any direction of vibration, whereby the ratio of refracted to reflected light at each surface between a particle and the said plastic is high.

2,180,114
OPTICAL SYSTEM EMPLOYING POLARIZED LIGHT
Edwin H. Land, Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application November 20, 1937, Serial No. 175,599
20 Claims. (Cl. 88—65)

1. In an optical system employing polarized light, in combination, means to project a substantially collimated beam, means interposed in the path of said beam and comprising a suspension of oriented particles in a light-transmitting medium for resolving said beam into two merged and differently polarized components, a substantially non-diffused component and a diffused component, lens means positioned adjacent said suspension to intercept at least that portion of said beam forming the merged portions of said components for bringing to at least one focus the substantially non-diffused component only, said lens means being of relatively short focal length, and wave retardation means positioned adjacent said lens means to intercept at least one of said components and adapted to effect such a relative wave retardation of one of said com-

ponents with respect to the other of said components that substantially all of said diffused com-



ponent is caused to have similar polarization characteristics to those of said non-diffused component.

2,180,115

PROCESS OF PREPARING BETA-HALOGEN-BUTADIENES-1,3

Heinrich Lange and Otto Horn, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application March 25, 1937, Serial No. 133,004. In Germany March 28, 1936
6 Claims. (Cl. 260—655)

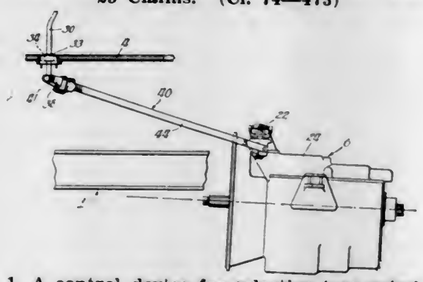
1. The process which comprises causing agents capable of splitting off hydrogen halides to act upon a butene dihalogenated in the 1,2-positions in the presence of a boiling organic solvent having a low boiling point and eliminating from the liquid mixture the butadienes halogenated in the 2-position in the moment of their formation by means of the vapors of the solvent.

2,180,116

TRANSMISSION CONTROL MECHANISM

Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application May 10, 1935, Serial No. 20,803
25 Claims. (Cl. 74—473)



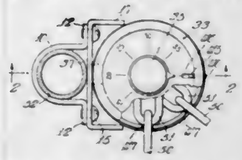
1. A control device for selective transmissions and the like comprising a member movable in one direction to select certain ratios and movable in another direction to engage the ratio selected, a remotely mounted shift lever mounted for oscillatory movement, a rod hingedly connected with said lever at a point spaced from its pivoted support, the movement of the rod relative to the gear shift lever being limited to movement about a single axis, and means connecting the opposite end of said rod with said member for generally horizontal rotation relative to the latter and causing said member to move with the shift lever irrespective of the lateral position of the lever about the axis of rotation of said rod on said member.

2,180,117

LOCKING DEVICE

Arthur H. Lipsis, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application September 30, 1937, Serial No. 166,517
6 Claims. (Cl. 70—234)



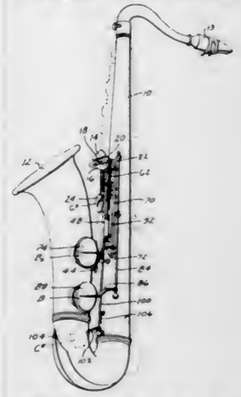
5. In a device of the class described, a flexible element comprising a chain adapted to be passed about a hitching post or other suitable object, a container therefor, said container being permanently closed at one end and having an opening at its other end and being slotted from the edge of said opening to receive links of said chain, while other links contiguous to the aforesaid links and disposed in said container bridge and cannot pass out through the slotted portion of said container, a lockable closure for said container, and mounting means for said container, said mounting means being detachable only upon removal of said closure.

2,180,118

WOODWIND INSTRUMENT

Hugh W. Loney, Elkhart, Ind., assignor to C. G. Conn Ltd., Elkhart, Ind., a corporation of Indiana

Application March 28, 1938, Serial No. 198,353
1 Claim. (Cl. 84—385)



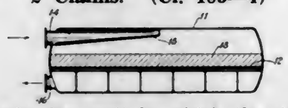
A woodwind instrument of the saxophone type having an assembly of four flat closely-adjacent finger plate keys approximately in the same plane, for G-sharp and B-flat and B and C-sharp, four levers for said keys having four corresponding pivots all mounted substantially parallel to each other crosswise of the instrument, whereby all four of the keys swing in arcs in the same direction when they are operated, said instrument having corresponding tone-holes, pads for said tone holes having arms mounted on pivots extending lengthwise of the instrument, and means operated by said keys for operating said pads.

2,180,119

ADSORBER APPARATUS

Robert H. Osterloh, Wilmington, Del., and William L. Scarborough, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 16, 1938, Serial No. 202,432
2 Claims. (Cl. 183—4)



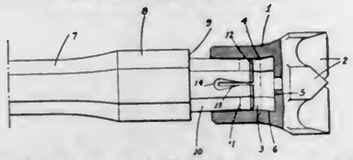
1. An adsorber unit in which the diameter is approximately one-third of the horizontal length, said adsorber containing a horizontal bed of adsorbent material and inlet and outlet means for gases all so arranged that gases passing through the adsorber unit pass successively through the inlet, down through the bed of adsorbent material and the outlet, said inlet means provided with a gas distributor comprising a substantially tubular horizontal conduit extending over said bed of adsorbent material which is approximately one-half the length of the adsorber housing, said distributor having an opening at the bottom thereof, said opening extending at an upwardly directed angle toward the extreme inwardly directed end of the conduit and having an area of at least five times the cross-sectional area of the inlet conduit, and a screen positioned over said opening, the mesh of said screen being sufficiently small to break up said gases and cause the same to pass from the conduit at a substantially uniform velocity from all parts of said opening.

2,180,120

DRILL BIT AND SHANK

Louis Saltzer, Westpoint, Calif.

Application December 4, 1937, Serial No. 178,104
1 Claim. (Cl. 255—64)



In combination, a drill rod having a bit engaging shank of resilient metal and a drill bit having a socket to receive and cooperate with the shank in non-turning relation; said socket tapering gradually in size from its outer end to a point short of its inner end and then increasing in size from said point to its inner end, the socket at said inner end being no greater in size than at its outer end and the shank being shaped and of a size to conform to the socket from end to end thereof, the shank being split from its outer end for a distance sufficient to enable the shank at its point of greatest width to be contracted so as to pass the point of least width of the socket.

2,180,121

DECORATIVE LIGHT FOR CHRISTMAS TREES AND THE LIKE

Emiel P. Seghers, Chicago, Ill.

Application March 5, 1937, Serial No. 129,130
12 Claims. (Cl. 173—355)

1. A socket for a Christmas tree light comprising a cup like casing composed of insulating material, a metallic strip secured to said casing and extending along a side wall thereof, a non-metallic lever fixed to said strip and extending outside of the casing, a lamp receiving shell fixed



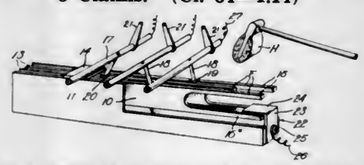
in said casing in electrical contact with said strip, said strip being disposed alongside of said shell and contact means carried by said shell and insulated therefrom, said lever being movable to engage said strip with said contact means to electrically connect the same with said shell.

2,180,122

MUSICAL INSTRUMENT

Victor H. Severy, Glendale, Calif.

Application May 25, 1936, Serial No. 81,674
3 Claims. (Cl. 84—1.14)



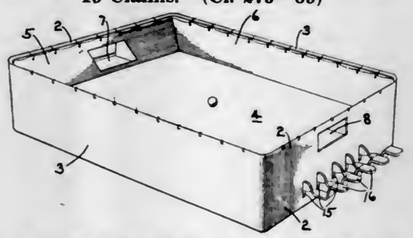
1. In a musical instrument, a plurality of vibratile forks, one producing fundamental vibrations, the others producing vibrations which are the partials of said fundamental, an electrostatic pick-up receptive to vibrations of the forks to translate the vibrations into modulations in an electrical current, means supporting the forks for individual shifting relative to the pick-up comprising sound insulation supporting the forks and spacing them one from the other, and means for shifting the forks at the will of the player during the playing of the instrument.

2,180,123

MECHANICAL GAME

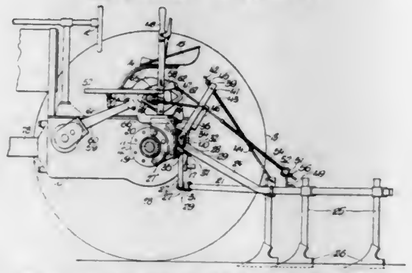
Benjamin F. Smith, Grand Rapids, Mich.

Application April 11, 1938, Serial No. 201,313
13 Claims. (Cl. 273—85)



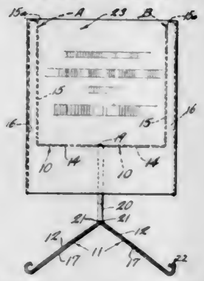
1. A mechanical ball game comprising a resilient field portion, a surrounding structure to enclose said field, said field portion having upwardly and downwardly sloping portions around the edge thereof secured to said surrounding structure, a ball, and manually operable means extending inwardly from either end of said structure to control the movements of said ball.

2,180,124
ADJUSTING MECHANISM FOR TRACTOR IMPLEMENTS
Hiram P. Smith, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 7, 1936, Serial No. 109,622
Renewed June 14, 1939
14 Claims. (Cl. 97—50)



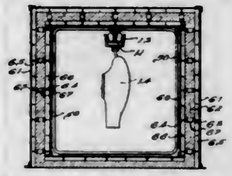
1. The combination with a wheeled frame, of a plurality of implement gangs mounted on the front and rear ends of said wheeled frame for vertical movement, manually actuated means for adjusting the front and rear gangs simultaneously, and power mechanism for raising and lowering said implement gangs from ground engaging to transport position, the aforesaid manually actuated means mounted on said mechanism to have relative movement with respect to the same as the implement gangs are raised and lowered from ground engaging to transport position.

2,180,125
DISPLAY STAND
Jack F. Smith, Buffalo, N. Y., assignor to Magill-Weinsheimer Company, Chicago, Ill., a corporation of Illinois
Application December 10, 1936, Serial No. 115,184
11 Claims. (Cl. 40—125)



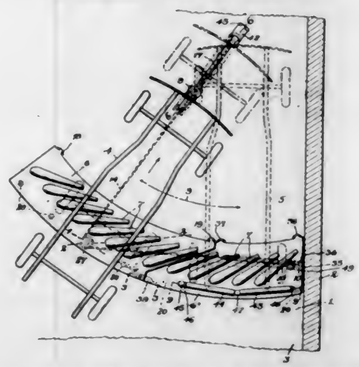
3. A stand for mounting paper-like envelope-shaped posters comprising a plurality of wire elements and retaining means for maintaining said wire elements in operative relationship, said elements being bent to form upright members adapted to be secured together by said retaining means, said uprights having a base for the stand at the lower ends thereof, some of said elements terminating near the upper end of their uprights, other of said elements having cross members integral with and located angularly of the upper ends of the uprights, poster supporting arms for said stand, each arm comprising a wire member integral with one of said cross pieces and upstanding angularly therefrom, said wire member being bent at its upper end to provide downwardly and outwardly extending poster engaging member.

2,180,126
CLEANING AND DEGREASING SYSTEM
Howard E. Somes, Detroit, Mich.
Application February 8, 1935, Serial No. 5,663
1 Claim. (Cl. 219—47)



An apparatus for the surface treatment of metallic articles which comprises an enclosure having spaced inner and outer shells formed of magnetic material such as sheet metal or the like, thermal insulating material interposed between said spaced shells, induction heating coils adjacent the inner of said shells, a series of spacing connectors joining said inner shell and said outer shell in spaced relation, each of said connectors comprising a body portion formed of electrical insulating material secured at its terminal end portions to said inner and outer shells and effective to prevent flow of current from the said inner to the said outer shell.

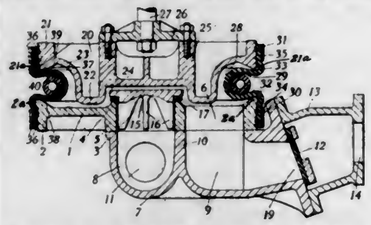
2,180,127
AUTOMOBILE PARKING DEVICE
Guillermo Solomon, Santiago, Dominican Republic, West Indies
Application November 16, 1938, Serial No. 240,875
Renewed October 7, 1939
5 Claims. (Cl. 214—16.1)



1. An automobile parking device including a yielding abutment, and means coacting with the automobile and the abutment for causing an automobile to be swung laterally into parking position, said means including an arc-shaped group of tapering rollers, the larger end of the rollers being farthest from said abutment.

2,180,128
RECIPROCATING PUMP
Cecil Wheatley Stancliffe, London, England, assignor of one-half to Winget Limited, Rochester, Kent, England
Application July 7, 1937, Serial No. 152,306
In Great Britain June 15, 1937
5 Claims. (Cl. 103—148)

1. In a reciprocating pump, an annular rubber member of open channel section, and a plurality of resilient metal members connected intimately with the rubber member and following the con-

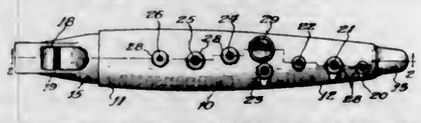


tour thereof in the axial direction of said member.

2,180,129
MANUFACTURE OF ELECTRIC FUSEHEADS SUCH AS ARE USED, FOR EXAMPLE, IN BLASTING DETONATORS
Wilfrid Taylor and Cecil Robert Lovett Hall, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 9, 1938, Serial No. 206,962. In Great Britain May 18, 1937
6 Claims. (Cl. 148—6)

1. A process for the manufacture of metal-foil-coated sheets of insulating material which comprises submitting at least one face of a sheet of rolled brass foil to an etching treatment and thereafter securing that face to the insulating material by means of a thermoplastic cement.

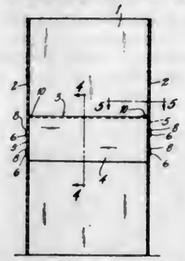
2,180,130
MUSICAL INSTRUMENT
Ziegner Swanson, De Kalb, Ill.
Application September 26, 1938, Serial No. 231,621
2 Claims. (Cl. 84—384)



1. A musical instrument of the wood wind type having a tone producing mouth piece and a generally cylindrical body tapered throughout the major portion of its length to a closed outer end, said body providing a closed tone chamber and having a plurality of tone holes communicating with said chamber and arranged to be covered by the fingers of the hands whereby the lowest or fundamental note of the instrument is produced when all said holes are closed, and said mouth piece having a cylindrical portion slidably mounted in said body remote from its closed end to provide an adjustable extension thereof whereby the length of the tone chamber may be varied for changing the pitch of all of the produced notes proportionately throughout the range of the instrument.

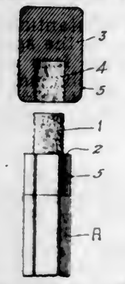
2,180,131
VOTING BOOTH
Irwin Zinser, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application November 4, 1938, Serial No. 238,722
3 Claims. (Cl. 20—3)

1. A voting booth or the like of corrugated board or like material comprising an end wall and side walls hingedly connected together, a collapsible tubular frame having end walls adapted to fit against and brace the side walls of said



booth in set-up position, and a shelf hingedly secured to the top of a side wall of said frame.

2,180,132
ERASER TIPPED PENCIL
Henry Zoll, Elmhurst, N. Y., assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y., a corporation of New York
Application July 25, 1938, Serial No. 221,057
2 Claims. (Cl. 120—38)



2. As a new article of manufacture, an erasive tip for a pencil comprising an elastic block of erasive material having a drilled socket to frictionally fit over the end of a pencil, the surfaces of the walls of said socket being in the irregularly roughened and torn condition resultant of the drilling operation.

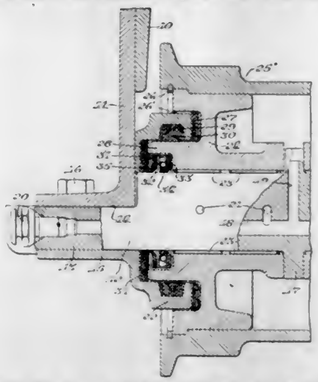
2,180,133
SOFTENING AGENT
Luther Bishop Arnold, Jr., Fairville Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 16, 1937, Serial No. 137,374
12 Claims. (Cl. 252—6)

1. A process of preparing a softening agent which comprises reacting a mixture of a substantially saturated higher aliphatic petroleum hydrocarbon and a long chain aliphatic alcohol having from 12 to 20 carbon atoms with a quantity of a sulfating agent which is not greater than that required for complete sulfation of the alcohol in the mixture under relatively mild conditions to avoid the condensation of the components of the mixture.

2,180,134
TRACK ROLLER SEAL CONSTRUCTION
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and William O. Bechman, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application March 5, 1937, Serial No. 129,168
3 Claims. (Cl. 286—5)

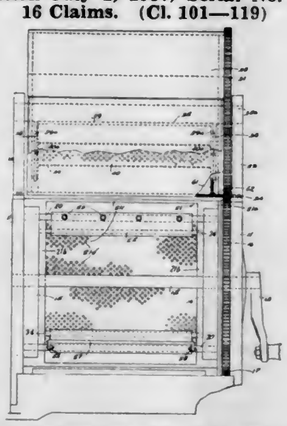
1. In combination, a stationary shaft, a first

member secured to the shaft, said member including an annular part provided with a channel on the inner surface thereof, a second rotatable member journaled on the shaft, said rotatable member having its end face adjacent the first member formed with a reentrant groove into which the annular part of the first mem-



ber extends so as substantially to form an enclosed space, a seal in the space, said rotatable member on the same face also having a hub portion spanning the channel on the inner surface of the annular part, and a seal in the channel of the annular part surrounding the hub portion.

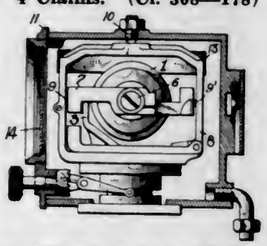
2,180,135
PRINTING MACHINE
Fred R. Bartholomew, Minneapolis, Minn.
Application July 1, 1937, Serial No. 151,380
16 Claims. (Cl. 101—119)



1. In a machine of the class described, the combination of a rotary platen, a primary printing cylinder, a detachable segment carried by said cylinder and having a peripheral surface adapted to receive interchangeable printing mediums for different methods of printing, means for removably attaching any one of said printing mediums to said peripheral surface, a supplementary printing cylinder of the same diameter as the primary printing cylinder removably secured adjacent to said primary printing cylinder, means for rotating said cylinders in contact with each other and at the same speed, said supplementary printing cylinder having a peripheral surface adapted to receive interchangeable printing members for different methods of printing, and means for removably attaching any one of said members to said last mentioned peripheral surface.

16. A segment adapted to be detachably secured to the spaced rings of a "Multigraph" machine comprising spaced circumferential flanges and a perforated peripheral wall extending between said flanges, said segment having a comparatively smooth outer surface and a resilient means for holding said segment in place on said machine.

2,180,136
TEMPERATURE COMPENSATED GYROSCOPE
Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 17, 1937, Serial No. 180,278
4 Claims. (Cl. 308—178)



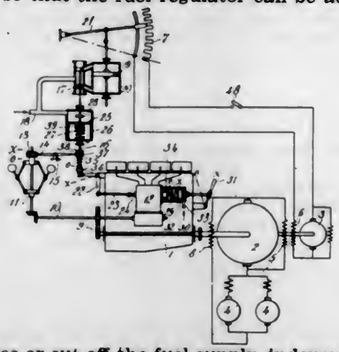
1. In a combined radial and thrust bearing construction for gyroscopic indicators, the combination with a rotor and rotor shaft bearing ring having different coefficients of expansion, of a bearing housing secured in said ring of a low temperature coefficient of expansion and having its hollow interior inwardly tapering as it recedes from said rotor, a conical member of relatively high coefficient of expansion slidably fitted within said portion, and a combined radial and thrust bearing member between said conical member and the rotor, whereby when said housing is pushed inwardly toward the rotor as the temperature falls, a compensating clearance is provided by the shrinkage of said conical member within its housing.

2,180,137
METALLIC ALLOY
Charles H. Bell and Louis S. Deitz, Jr., Westfield, N. J., and Abraham I. Stein, Brooklyn, N. Y., assignors to Nassau Smelting and Refining Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 7, 1938, Serial No. 183,832
9 Claims. (Cl. 75—175)

1. An alloy for use in casting articles and consisting of from 0.90% to 1.05% copper, from 0.01% to 0.10% cadmium, and the balance tin except for harmless impurities.

2,180,138
POWER UNIT
Adolf Brunner, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application February 5, 1937, Serial No. 124,345
In Switzerland February 26, 1936
7 Claims. (Cl. 290—17)

1. In an internal combustion engine-electric power unit, the combination with a field-regulating servo-motor, of valve means for controlling the supply of power to the servo-motor, a governor driven by the engine, a fuel regulator for the engine, interconnecting means through which the governor controls both the said control valve and the fuel regulator, said governor being yieldingly coupled to the interconnecting means so that the fuel regulator can be adjusted



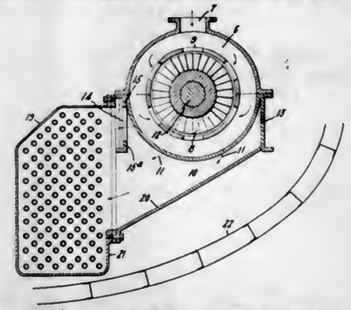
to reduce or cut off the fuel supply, independently of the governor, an automatic control device normally held inoperative by power derived from the source which supplies the servo-motor, and means whereby in the event of the said power supply becoming defective the automatic control device acts through the interconnecting mechanism on the fuel regulator so as to reduce or cut off the fuel supply to the engine.

2,180,139
PURIFICATION OF METALS
Louis S. Deitz, Jr., Westfield, N. J., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 14, 1937, Serial No. 159,070
7 Claims. (Cl. 75—93)

1. A process of treating a commercially pure alloy consisting of upwards of 80% of metal from the group lead and tin to remove residual abrasive impurities which tend to cause surface irregularities in finished products made therefrom while maintaining the composition of the alloy substantially unaltered, said alloy being one which would normally be used at temperatures well above its freezing point without further purification for the manufacture of slush castings, extruded shapes, bearings and the like, which process comprises heating such an alloy to a temperature at which all of its constituents are molten and which approximates that at which it will be employed in the manufacture of said products, cooling the alloy to a temperature substantially lower than that at which it is initially heated and lower than that at which it will be employed in the manufacture of said products, removing the small quantity of insoluble material produced, and reheating the alloy to a temperature suitable for its intended use.

2,180,140
ELASTIC FLUID TURBINE FOR SHIP PROPULSION
John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 11, 1937, Serial No. 163,505
3 Claims. (Cl. 114—0.5)

1. A marine turbine installation comprising an elastic fluid turbine, an exhaust housing therefor terminating in a vertical plane, a condenser for the turbine having a casing that also terminates in a vertical plane, a beam extending parallel with the turbine axis located between the turbine



and the condenser and forming a support common to both, the beam covering a part of the condenser entrance and containing an opening through which a part of the turbine exhaust flows in entering the condenser, and means for supporting the beam in horizontal position.

2,180,141
GAS-FILLED ELECTRIC LAMP
Eduard G. Dorgelo, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application June 26, 1939, Serial No. 281,287
In the Netherlands June 14, 1938
6 Claims. (Cl. 176—16)



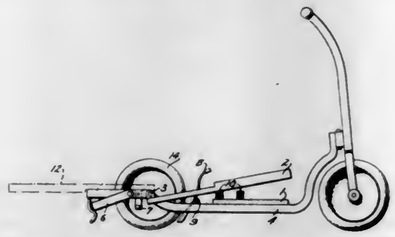
1. An electrical device comprising a hermetically sealed container of vitreous material having a gas filling at a pressure in excess of one atmosphere, said container being provided with a readily fracturable capillary tube extending outwardly therefrom and closed off at its outer end whereby fracturing of said tube releases the gas in said container without rupturing said container.

2,180,142
COMPOSITE POLYCHLOROPHENOL PRODUCT
Kent R. Fox and Edmund C. Hyry, St. Louis, and Ira Hatfield, Webster Groves, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 2, 1938, Serial No. 199,734
6 Claims. (Cl. 134—78.6)

1. A solid homogeneous fused mass having a conchoidal or vitreous fracture, that is soluble in petroleum solvents of the fuel oil boiling range, consisting essentially of a polychlorophenol which normally tends to bloom when applied as a solution to wood and a resin compatible with the polychlorophenol and soluble in such petroleum solvents, the proportion of resin in said mass being sufficient to prevent substantial blooming when applied to wood as a solution in such petroleum solvents and the proportion of polychlorophenol in said mass being sufficient to provide a solution in such petroleum solvents of sufficient conc-

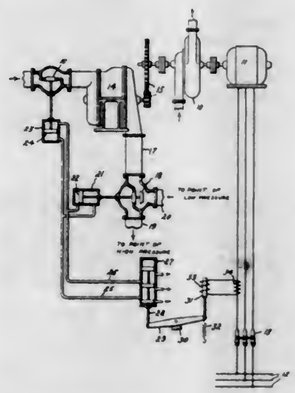
tration to protect wood impregnated therewith against substantial deterioration by decay organisms and fungi.

2,180,143
SCOOTER
William G. Fletcher, Bogota, N. J.
Application September 15, 1938, Serial No. 230,004
1 Claim. (Cl. 280—87.04)



In a scooter having a rear axle and a platform to receive a standing occupant, springs secured to said platform, a luggage carrier pivoted to said rear axle and so constructed and arranged that said carrier can be projected over said platform and engage said springs and thereby form a second, spring supported, platform for the occupant.

2,180,144
CONTROL MECHANISM
Martin Gieseler, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application April 22, 1937, Serial No. 138,467
In Germany May 12, 1936
6 Claims. (Cl. 60—6)

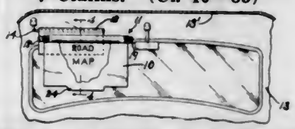


1. The combination of a pump, an electric motor and a back pressure turbine for alternately driving the pump, the turbine having an admission valve and an exhaust conduit, means including a two-way valve connecting in one position the exhaust conduit to a point of low pressure and in the other position to a point of high pressure, and means for simultaneously positioning the admission valve and the two-way valve upon failure of the electric motor.

2,180,145
FLATTING AGENT AND USES THEREFOR
Charles Gordon Harford, Wollaston, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 3, 1938, Serial No. 183,135
12 Claims. (Cl. 134—79)

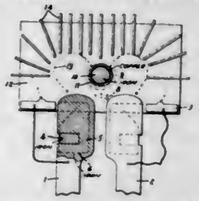
1. A flat liquid coating composition comprising a film forming liquid and a ground aerogel having in the mixture substantially the structure of the gel as originally formed.

2,180,146
ROAD MAP MOUNTING MEANS FOR AN AUTOMOBILE
William G. Hardt, Chicago, Ill.
Application March 20, 1939, Serial No. 262,805
7 Claims. (Cl. 40—85)



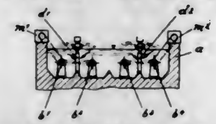
1. A device for supporting a road map on a sun visor adjustable in an automobile, said device comprising a roller and a road map and means whereby the map is mounted on the roller to be extended therefrom and automatically retracted and also conveniently detached for exchange, bracket means for mounting the roller with its map on one face of the visor, whereby the map may be displayed depended from the depending visor, and means on the device for engaging a part of the map when extended, to hold it stationary, whereby the map may also be held in place when extended across the nether face of the unswung visor to display the route underneath said nether face.

2,180,147
ELECTRIC CIRCUIT INTERRUPTER
Wilhelm Höpp, Berlin-Heiligensee, Germany, assignor to General Electric Company, a corporation of New York
Application June 3, 1937, Serial No. 146,183
In Germany July 21, 1936
3 Claims. (Cl. 200—147)



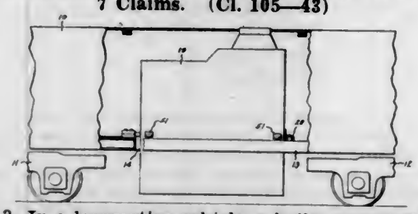
1. An electric circuit interrupter of the magnetic blowout type comprising electrodes between which an arc is formed upon opening of the circuit, an arc-extinguishing chamber, magnetic blowout means for extending said arc into said chamber, and electromagnetic means positioned in said chamber substantially transversely of the arc path for creating an opposing field in accordance with the current of said arc and thereby preventing extension of said arc beyond the limits defined by said opposing field, said electromagnetic means comprising an iron core of appreciable size as compared with the size of said chamber and a short-circuited conductor surrounding said core.

2,180,148
AERATING TANK
Karl Imhoff, Essen, Germany
Application June 21, 1937, Serial No. 149,445
In Germany July 3, 1936
2 Claims. (Cl. 210—8)



1. In an aerating tank for the treatment of sewage by activated sludge, having supply and discharge means for the sewage, and having a substantially flat bottom, the combination of a plurality of rows of paddle wheels arranged longitudinally of the tank near said bottom, means for rotating at relatively slow speed said paddle wheels for agitating the sewage in said tank to cause the sludge particles to remain in a condition of suspension and prevented from depositing on the bottom of the tank where the activated sludge particles would perish for want of air, a plurality of vertical impeller pipes adapted to draw the agitated sewage from the tank, disposed intermediate said paddle wheels, and operative independently thereof, impellers on said pipes above the sewage level to spray the sewage so drawn into the air above the tank, to return aerated to the tank and be mixed and mingled with the sewage in the tank while under agitation by the paddle wheels, and means for rotating the impellers at relatively high speed whereby the contents of the tank is aerated to enable the activated sludge to do its work.

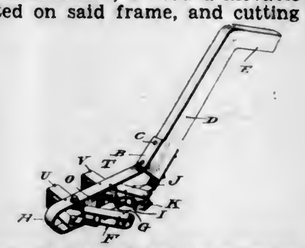
2,180,149
LOCOMOTIVE BOILER SUPPORTING ARRANGEMENT
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application July 12, 1938, Serial No. 218,784
7 Claims. (Cl. 105—43)



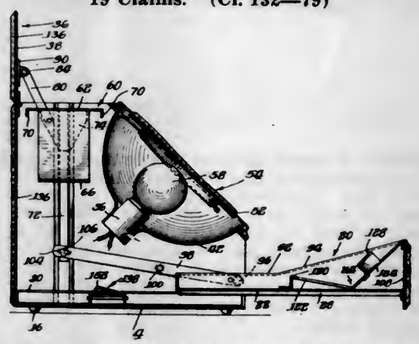
3. In a locomotive vehicle, a boiler mounted on the frame of said vehicle, means for rigidly supporting one end of said boiler on said framework, means for pivotally supporting the opposite end of said boiler at a single centrally disposed point to said framework so as to substantially preclude longitudinal and warping stresses due to twisting of the locomotive vehicle framework from being transmitted from said framework to said boiler structure.

2,180,150
TOBACCO CULTIVATING IMPLEMENT
William Eagleton Knight, Jr., Howel, Ky.
Application June 21, 1938, Serial No. 215,035
9 Claims. (Cl. 47—57)

1. An implement of the character and for the purpose stated, comprising a frame, a handle connected with said frame, said frame being arranged horizontally and said handle extending upwardly from said frame, a movable member carried by said frame, a second movable member mounted on said frame, and cutting members or elements carried by said movable members for removing the bark from the plant.



2,180,151
COSMETIC CABINET
Walter P. Koeller, Chicago, Ill.
Application July 28, 1938, Serial No. 221,786
19 Claims. (Cl. 132—79)



1. In combination, a cabinet adapted to receive cosmetics or the like, a mirror, means for supporting said mirror upon a wall of said cabinet, luminous means behind said mirror, and means for directing light rays from said luminous means about the periphery of said mirror whereby to form an image in said mirror by light rays reflected from an object in front of the mirror.

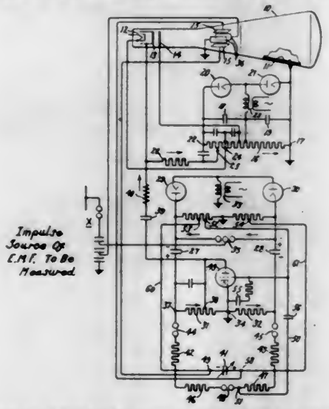
2,180,152
ADHESIVE
Rüdolf Köhler, Dusseldorf, Germany, assignor to Henkel & Cie., G. m. b. H., Dusseldorf-Holthausen, Germany, a corporation of Germany
No Drawing. Application November 7, 1936, Serial No. 109,753. In Germany December 14, 1935
4 Claims. (Cl. 134—23.5)

1. A gelatinous adhesive for wall paper hanging composed of a viscous aqueous colloidal solution of from 3% to 8% concentration of a water-soluble salt of an ether of cellulose with a lower molecular carboxylic acid, said colloidal mass after application not requiring further treatment for obtaining adhesive properties.

2,180,153
CATHODE RAY OSCILLOGRAPH CONTROL
Hans P. Kuehni, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 30, 1938, Serial No. 248,501
7 Claims. (Cl. 171—95)

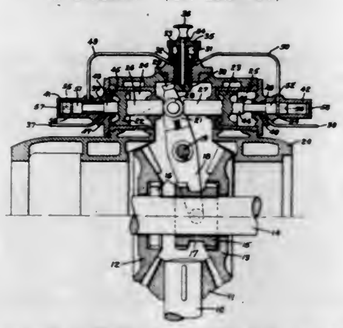
1. A cathode ray oscillograph having electrodes

for producing a cathode ray beam, a screen, sweep plates for sweeping the beam across the screen and a control grid for controlling the ignition and extinction of the cathode ray beam, means for impressing a voltage across the sweep plates prior to the establishment of the beam for causing the beam to strike at one side of the screen when established, means for impressing a beam-igniting control voltage on said con-



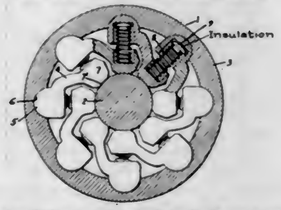
trol grid to establish the cathode ray beam when a recording operation of the oscillograph is desired and, simultaneously with the establishment of such beam, to vary the voltage on the sweep plates so that the beam will be swept across the screen, and means responsive to the voltage across said sweep plates following such variation for removing the beam-igniting voltage from the control grid to extinguish the cathode ray beam.

2,180,154
GEARED DRIVING ARRANGEMENT
Walter Lenz, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York
Application November 20, 1937, Serial No. 175,710
In Germany November 20, 1936
6 Claims. (Cl. 192—87)



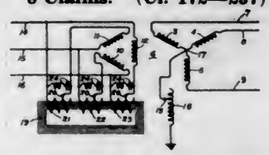
1. A clutch shifting arrangement comprising a lever, actuating means for said lever including a pair of pistons opposingly arranged on opposite sides of said lever, spring biased means for locking said lever in either of its operative positions, fluid pressure actuating means associated with said locking means, connections including valves controlled by said pistons between said last mentioned fluid pressure actuating means and said lever actuating means whereby said locking means will be moved to the releasing position upon energization of one of said pistons.

2,180,155
ELECTRIC CONTACT
Otto Leopold, Berlin-Neukolln, Germany, assignor to General Electric Company, a corporation of New York
Application March 23, 1938, Serial No. 197,691
In Germany May 15, 1937
8 Claims. (Cl. 173—363)



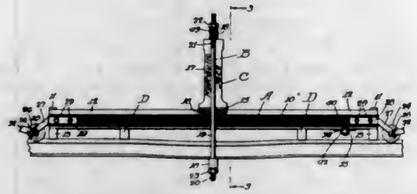
1. An electric contact for interconnecting two relatively movable members disposed in concentric arrangement comprising a plurality of elements disposed between said members and each electrically engaging said members respectively, and means coacting with any two adjacent elements for resiliently biasing a portion of each element into engagement with said members respectively.

2,180,156
PROTECTION OF ALTERNATING CURRENT ELECTRIC SYSTEMS
Philip H. Light, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 23, 1938, Serial No. 247,457
8 Claims. (Cl. 172—237)



1. In a polyphase alternating current system of the type in which a fault to ground on one phase conductor of the system substantially increases the capacitance current to ground of the ungrounded conductors of the system, a transformer having windings connected in star to the phase conductors of the systems and windings connected in delta, said star connected windings being insulated adjacent their neutral point for a predetermined voltage which is materially less than the normal voltage to ground of a phase conductor of the system, inductive means connected in circuit with said delta connected windings to present inductance only to zero phase sequence currents of the system, another inductive means connected in circuit with said star connected windings, said two inductive means providing on the occurrence of a ground on a phase conductor of the system a zero phase sequence lagging current for effectively suppressing the capacitance current to ground at the grounded point, the inductive means in circuit with said star connected windings being so proportioned that on the occurrence of a ground on a phase conductor of the system the voltage to ground of the neutral point of said star connected windings does not exceed said predetermined voltage.

2,180,157
METHOD AND APPARATUS FOR STRAIGHTENING RAILS
John T. Loftus, La Crosse, Wis.
Application September 18, 1937, Serial No. 164,545
13 Claims. (Cl. 153—38)

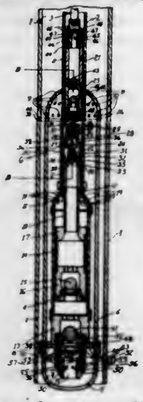


1. A device for straightening a downward and sidewise deformation in a rail by a single bending operation comprising a stiff beam adapted to overlie a rail, spaced buttresses to support the beam on the rail, a shackle comprising a pair of side members and a pair of rigid cross bars connected for relative angular movement to provide a quadrilateral frame enclosing the rail and beam at a point between the buttresses, and a jack mounted on the beam at said point having a head narrower than the length of the uppermost cross bar and engaged therewith with the axis of the jack at a side of the transverse center line of said bar.

13. The method of straightening a downward and sidewise bend in a rail while in the track which includes enclosing the bend in a jointed, normally oblong rectangular frame having stiff upper and lower cross bars, deforming the frame to substantially rhomboidal shape with the plane of the frame normal to the plane of the rail web and with the cross bars substantially horizontal above and below the middle of the bend and the lower cross bar maintained fast with relation to the rail base and the upper cross bar displaced horizontally with respect to the lower cross bar in the direction of the concave side of the sidewise bend, arranging an expansible member to expand, along a line substantially normal to the straight line of the rail, between the upper and lower cross bars, maintaining said member in said position, said member having a portion loosely engaged with the upper cross bar of less length than the bar and arranged to span the center of the bar and located closer to the upper obtuse angle of the rhomboidal frame than to the acute angle thereof, and thereupon expanding the member, whereby greater tension is set up in the side of the frame at the concave side of the sidewise bend than in the opposite side of the frame with the result that the lower cross bar and the adjacent bent portion of the rail move upwardly toward the upper cross bar and shift horizontally with respect to the upper cross bar so that the frame becomes substantially rectangular and the bent portion is straightened by moving upwardly and to one side.

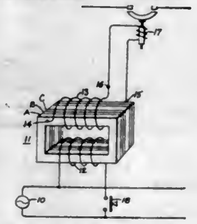
2,180,158
OIL WELL PUMP
Clifford T. McCoy, Bethany, and David M. Hammett, Tulsa, Okla.
Application January 15, 1937, Serial No. 120,650
6 Claims. (Cl. 103—179)

1. In an oil well pump having a plunger cylinder, a composite plunger therein of two plungers one of which is positioned above the other connected together by a slidable connecting shaft, means for applying power to the lower of said plungers by transmitting the power thereto thru the upper plunger, a fluid trap between said



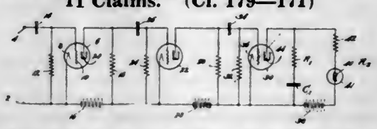
plungers, and means for expanding and collapsing said trap.

2,180,159
ELECTROMAGNETIC DEVICE
Lothar Michaelis, Washington, D. C., assignor to General Electric Company, a corporation of New York
Application August 12, 1938, Serial No. 224,535
13 Claims. (Cl. 175—320)



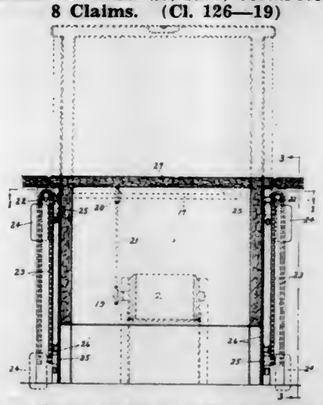
1. An electromagnetic device comprising a magnetic circuit, an insulated coil interlinked therewith, and a magnetic contact type rectifier formed at least in part by material comprised in said magnetic circuit.

2,180,160
METHOD OF AND MEANS FOR ELIMINATING DISTORTION
Arthur Miller, Chelsea, Mass., assignor to Sanborn Company, Cambridge, Mass., a corporation of Massachusetts
Application March 26, 1937, Serial No. 133,128
11 Claims. (Cl. 179—171)



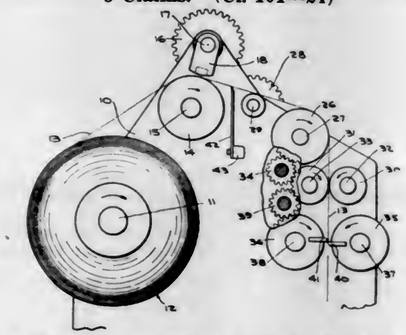
1. A method of correcting the distortion that is produced in oscillographic-recording circuits by the presence therein of a series-coupling condenser or condensers, comprising the introduction of a corrective network which reproduces a suddenly applied constant voltage as a rising voltage whose initial upward slope approximately or exactly equals the initial downward slope with which the circuit to be corrected reproduces the same suddenly applied voltage.

2,180,161
ELEVATABLE STOVE OVEN
Herchael Wood Miller, Davenport, Iowa
Application November 29, 1937, Serial No. 177,089
8 Claims. (Cl. 126—19)



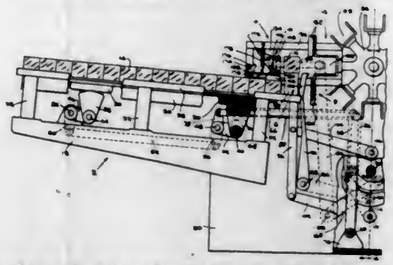
1. In a stove, a fixed body and a relatively movable oven, the stove having a closed front and the oven having an open front fitting closely against the back side of the stove front, said oven being approximately vertically movable to bring said open side thereof above the stationary part of the stove top, and cooperating guiding elements on the fixed body and the oven to guide the latter in its vertical movements.

2,180,162
DATING OR NUMBERING MECHANISM
Michael J. Milmoe, Glen Ellyn, and Clarence J. Malhiot, Oak Park, Ill., assignors to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application April 5, 1937, Serial No. 135,084
5 Claims. (Cl. 101—24)



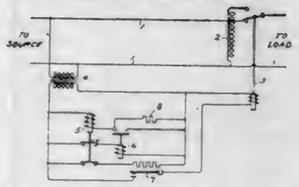
2. Dating or numbering mechanism for a web of paper, comprising a rotary member on one side of the web carrying punching pins outlining the desired character, a roller on the other side of the web and having peripheral grooves therein for cooperation with the pins carried by the rotary member, each of said pins being shaped to punch out a portion of the web of paper and leave the punched-out portion integrally connected with the web, means subsequently engaging the integrally connected punched-out portions on the same side of the web as the roller for folding the punched-out portions backwardly against the web of paper, means for subsequently cutting the web, and means for synchronously driving said rotary member, said roller and said cutting means to punch the date or number in predetermined successive portions of the web and to cut the web into predetermined lengths and at predetermined points between successive punchings.

2,180,163
BUTTER FEEDER
Michael J. Milmoe, Glen Ellyn, and Clarence J. Malhiot, Oak Park, Ill., assignors to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application October 2, 1937, Serial No. 167,034
16 Claims. (Cl. 198—24)



1. A mechanism for feeding units of butter or like commodity to a wrapping mechanism, comprising a conveyor, a stationary guide for said units adjacent to and extending longitudinally of the conveyor, means movable transversely of the conveyor for transferring a unit therefrom to a predetermined position, stop means movable relative to the conveyor and into engagement with the unit to be transferred for positioning said unit on said transfer means, a second transfer means movable transversely with respect to the path of movement of the first transfer means for feeding said unit from the first transfer means to the wrapping mechanism and means operatively controlled by said second transfer means for clamping the adjacent unit to said guide during feeding movement of said first transfer means.

2,180,164
REGULATOR CIRCUIT
Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 16, 1937, Serial No. 131,199
Renewed March 2, 1939
17 Claims. (Cl. 171—119)

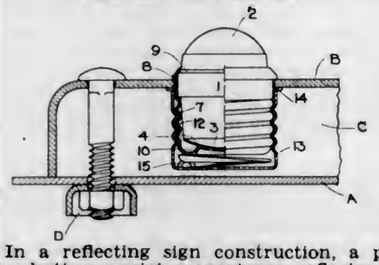


1. In combination, an electric circuit, a regulator for varying an electrical condition of said circuit, electroresponsive means for operating said regulator, and a pair of relays responsive to said condition for controlling said means, one of said relays having a definite pick-up value, the second of said relays having a definite drop-out value which is slightly different from said pick-up value, and interconnections between said relays whereby when one of said relays responds to its definite value it insures that the other relay will be in condition to respond to its definite value and when said other relay responds to its definite value it resets the first operated relay.

2,180,165
METHOD FOR PICKLING MEAT
August Nietledt, Magdeburg, Germany
No Drawing. Application May 23, 1939, Serial No. 275,213
1 Claim. (Cl. 99—159)

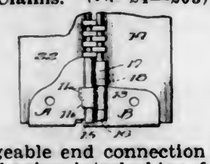
A method for pickling meat consisting in successively permeating the piece of meat with salt solution with an addition of saltpeter by injection, wrapping the salted piece of meat in a narrow meshed cloth, placing the packet in a centrifugal, centrifuging the packet to expell the excess injected brine from the piece of meat, and catching the expelled brine for use again, and in subjecting the centrifuged piece of meat directly to the smoking process.

2,180,166
REFLECTING SIGN CONSTRUCTION
Charles A. Persons, Worcester, Mass., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application August 26, 1938, Serial No. 226,978
9 Claims. (Cl. 40—130)



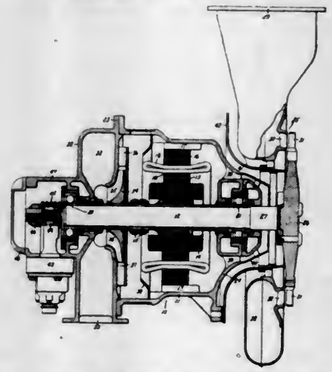
1. In a reflecting sign construction, a panel having button-receiving apertures, reflector buttons each insertible in one of said apertures, each button comprising a casing for a lens and a reflecting surface, said casing being flanged at its front portion to engage the front side of the panel around the associated aperture and threaded at its rear portion projecting through said aperture, an internally threaded member cooperating with said threaded casing portion to hold each button in said panel, said member being flanged at its rim to engage the rear side of the panel around the associated aperture and a resilient device adapted to be compressed between said member and said casing when the flanged portions are in clamping engagement with opposite sides of said panel.

2,180,167
SEPARABLE FASTENER
Barney Pruzan, New York, N. Y.
Application January 25, 1938, Serial No. 186,876
18 Claims. (Cl. 24—205)



1. A disengageable end connection for a separable fastener having interlocking fastener elements mounted on flexible stringers and means for associating and dissociating said interlocking elements at will, comprising: a female member provided with a longitudinally-slotted socket portion, a male member provided with a pin portion associable with said socket portion by longitudinal insertion thereinto, means for limiting the extent of said longitudinal movement of said male member, and means for resisting rotation of said pin in said socket when thus associated, said means comprising substantially parallel outstanding key portions on said male member disposed along opposite sides of said pin portion, one said key portion being snugly received in the slot of said socket portion and the other being snugly received in another keyway formed in said socket portion.

2,180,168
GAS TURBINE DRIVEN GENERATOR ARRANGEMENT
Samuel R. Puffer, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application June 7, 1938, Serial No. 212,297
7 Claims. (Cl. 290—52)

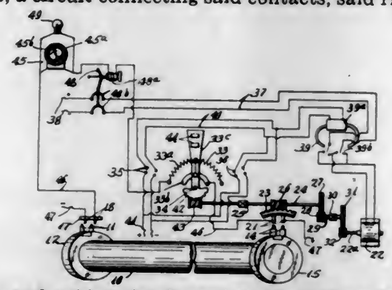


6. Gas turbine driven generator arrangement including the combination of an electric generator having a shaft, a gas turbine having a bucket wheel, and means for cooling the generator and the bucket wheel comprising a pump for forcing air through the generator, the generator having a casing with an opening adjacent the bucket wheel to discharge cooling air from the generator through the opening towards the bucket wheel.

2,180,169
ELECTRIC POWER INDICATOR
William Ryan, New York, N. Y.
Application March 1, 1939, Serial No. 259,302
8 Claims. (Cl. 265—26)

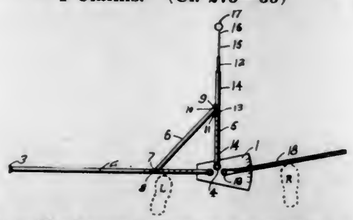
1. In combination with a rotative shaft transmitting a load, a fore pair of axially aligned and spaced contacts mounted thereon, an aft pair of axially aligned and spaced contacts mounted thereon, a stationary member with a pair of complementary fore contacts engaging with said fore contacts at one point during each revolution of said shaft, a movable member with a pair of complementary aft contacts engaging with said aft contacts at one point during each revolution of said shaft, means for moving said movable member to various forward and rearward angular positions and including an electric motor operator, a rheostat connected to operate with said latter means, a polarized relay for controlling

the direction of rotation of said motor, switches associated with the rheostat and controlling a circuit including said polarized relay for reversing said motor each time the rheostat reaches one extreme of its operation, a horse-power electric meter for connection in a circuit including said rheostat to indicate horse-power in accordance with the current flowing through the rheostat, a circuit connecting said contacts, said rheo-



stat and said meter in series when there is no load on said shaft at the instant said contacts engage each other, and a retarded relay in said latter circuit and controlling the circuit of said motor for stopping the motor when current flows through said meter and causing the motor to operate to let the means for moving the movable member find the circuit through said meter when there is a torque displacement in said shaft.

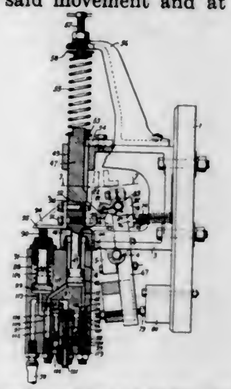
2,180,170
GOLF STANCE INDICATOR
Grover E. Richards, Youngstown, Ohio
Application May 24, 1939, Serial No. 275,380
4 Claims. (Cl. 273—35)



1. A golf stance indicator comprising a collapsible metallic structure formed of a base plate; a horizontal arm permanently fixed thereto; a sight arm pivoted to the said horizontal arm; a tubular arm pivoted to the said base plate and held at right angles to the said horizontal arm; a slidable rod in the said tubular arm adapted to carry a section of flexible cable to serve as an indicator for the placement of a golf ball; a secondary horizontal arm pivoted to the said base plate directly opposite the said horizontal arm and adapted to be used in connection with calibrations on the said base plate in determining the proper positioning of the feet in relation to the position of the ball and the horizontal arm and sight of the indicator.

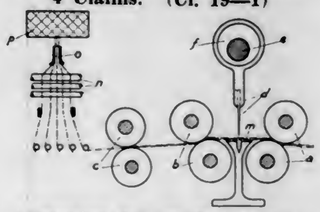
2,180,171
TIMING CONTROL FOR PNEUMATICALLY OPERATED SWITCHES
Charles H. Rippl, Cleveland, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application February 1, 1937, Serial No. 123,357
14 Claims. (Cl. 200—97)

4. In an electric current timing apparatus, a switch having an open and a closed position and biased to open position, a reciprocable mechanism element, a cam, and a cam follower one supported by the element and the other by the switch, the element arranged to engage the cam and cam follower to close the switch during reciprocatory movement of the element in one direction and to hold it closed during a continuation of said movement and at the end of



a predetermined time interval to cause the cam to disengage the follower to allow the switch to return to open position, the reciprocable element being ineffective to operate the switch in the other direction of reciprocation, means to retard movement of the reciprocable element in the switch closing direction after the reciprocable element has substantially unretardedly moved sufficiently to effect closing of the switch.

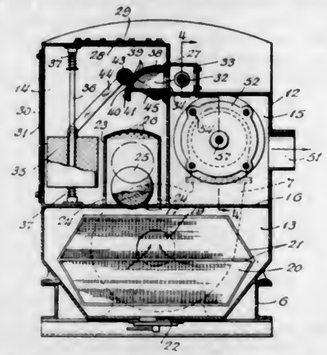
2,180,172
APPARATUS FOR PRODUCING FROM ENDLESS FIBERS A CARD SLIVER SUITABLE FOR DRAWING
Karl Josef Schmitt, Chemnitz, Germany, assignor to Sächsische Textilmaschinenfabrik vorm. Rich. Hartmann Aktiengesellschaft, Chemnitz, Germany, a corporation
Application December 24, 1938, Serial No. 247,700
In Germany February 5, 1938
4 Claims. (Cl. 19—1)



1. An apparatus for producing from endless fibers a sliver suitable for drawing, comprising in combination two pairs of sliver stretching rollers, a comb vertically reciprocated between said pairs of rollers to pierce the sliver stretched between said rollers, and means for laterally shifting said comb after every effective stroke.

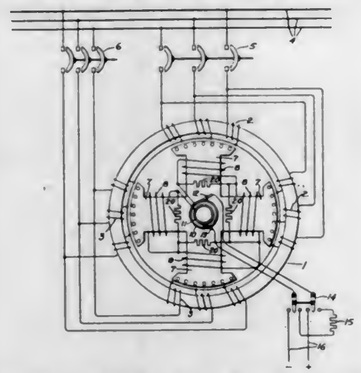
2,180,173
FLOAT VALVE FOR HYDRAULIC PUMPING SYSTEMS
Barnett Share, Jamaica Estates, N. Y.
Application December 20, 1937, Serial No. 180,696
3 Claims. (Cl. 137—68)

1. A valve structure for use in hydraulic pumping systems comprising an arcuate valve seat adapted for disposition in a suction chamber and having perforations therein, a flexible valve for said seat having one end fixed thereto, a roller to which the other end of said valve is attached, a float in said suction chamber, links connect-



ing said float with said roller to wind said valve on the latter and unwind it therefrom when said float rises and falls in said chamber, and flexible guide strips for said roller secured to the same and to said seat on opposite sides of said valve and in contact therewith.

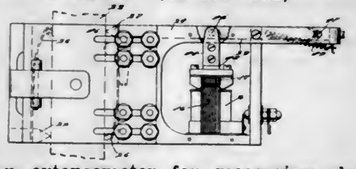
2,180,174
PROTECTIVE SYSTEM
Hubert R. Sills and Dow V. Canning, Peterborough, Ontario, Canada, assignors to General Electric Company, a corporation of New York
Application October 28, 1937, Serial No. 171,497
10 Claims. (Cl. 172—274)



1. In combination, an alternating current motor having a plurality of concentrated primary windings, means for energizing said primary windings in a predetermined sequence, a secondary winding on said motor having a plurality of sections connected in a series circuit and distributed so that all of said sections are simultaneously in close coupling with energized primary windings only when all of said primary windings are simultaneously energized, and means for limiting the voltages of slip frequency induced in the secondary winding sections by the energized portion of the primary windings when said motor is operating subsynchronously with only a portion of said primary windings

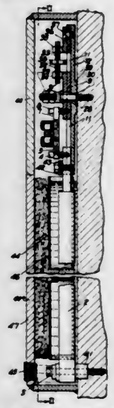
energized comprising means respectively associated with different secondary winding sections for limiting the voltages induced therein.

2,180,175
METHOD OF AND APPARATUS FOR MEASURING SMALL CHANGES IN LENGTH
Jens Sivertsen, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 28, 1937, Serial No. 145,194
4 Claims. (Cl. 177—351)



1. An extensometer for measuring changes in length of a specimen under stress, comprising a frame, means on the frame to clamp the specimen in one section, means on the frame including a spring and lever to clamp the specimen in another section a predetermined distance from said first section, said lever being fulcrumed at one end and having a contact point at the opposite end, and a magnetic unit having a laminated core pivotally supported by said lever at a point between its contact point and fulcrum and having a cooperating laminated magnetic core rigidly fixed to the frame of said extensometer and said magnetic unit changing its electrical characteristics due to movements of said lever.

2,180,176
STRAIN GAUGE
Morris D. Stone, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 20, 1936, Serial No. 80,917
3 Claims. (Cl. 265—1)



1. In a strain gauge comprising two relatively axially movable aligned parts, a mounting secured to one of said parts comprising a sliding element secured thereto and provided with an elongated slot, a bolt extended through said sliding element for securing it rigidly to a test element and disposed in said slot to permit axial adjustment of said sliding element, a guide element interposed between said sliding element

and test element and held with respect to the test element by means of said bolt, an anchor member secured to said guide element, a projection on said slide element disposed opposite said anchor member, a screw having threaded engagement with said slide element projection and said anchor and means for turning said screw to adjust said slide element with respect to said test element.

2,180,177
REFRIGERATOR

Torolf Ternstrom, Motala, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware

Application May 23, 1936, Serial No. 81,380
In Germany October 30, 1935
8 Claims. (Cl. 20—69)

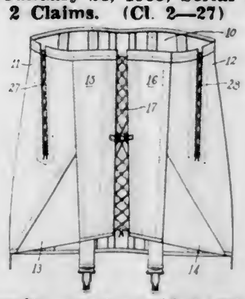


7. For use with a refrigerator cabinet having cooperating fixed and movable members, a gasket comprising a strip having a relatively flat portion associated with one of said members and a striking bead adapted to contact the other of said members to form a seal, said striking bead in section normally having one axis longer than its other axis with the longer axis forming an acute angle with said one member with which it is associated, and said strip being so constructed and arranged that said striking bead is movable toward said one member and the underside thereof is movable into a plane substantially parallel with said one member when the striking surface of said bead is subjected to pressure by the other of said members.

2,180,178
MATERNITY CORSET

Irving R. Versoy, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut

Application January 24, 1938, Serial No. 186,561
2 Claims. (Cl. 2—27)

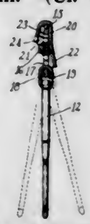


1. A maternity corset provided with a solid inelastic back portion and with side portions extending forwardly therefrom and with a front portion interconnecting the side portions, said side portions being provided at their lower front parts with elastic gores, said side portions having slot-like openings extending through the upper edges thereof and terminating in inelastic parts of said side portions, the lower ends of said openings being offset slightly in a rearward direction from the upper extremities of said gores, and elastic lacings interconnecting the edges of each of said openings whereby the front portion of the corset at the upper part thereof is adapted to adjust itself to the conformation of the body, and stiffening members flexible in the plane of the garment adjacent the openings located within the corset body at the respective sides of said openings, said corset being adapted to exert encircling pressure and support in a region adjacent the lower ends of said openings.

2,180,179
HOSE SUPPORTER BUCKLE AND THE LIKE

Irving R. Versoy, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut

Application January 24, 1938, Serial No. 186,562
1 Claim. (Cl. 24—191)

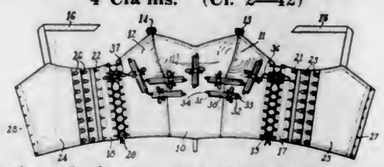


A buckle for hose supporters or the like comprising a rigid body portion having flat upper, lower and intermediate bars all extending continuously from one side of the buckle to the other, the upper and lower bars lying in the same plane, and the intermediate bar being offset rearwardly with respect to said plane, and a clamp member folded over the upper bar and pivoted thereon and having a front depending actuating portion and a rear depending portion having a toothed edge to cooperate with the intermediate bar to clamp a single fabric web passing upwardly through the buckle behind the lower bar, in front of the intermediate bar, and behind the upper bar, the rear depending portion of the clamp being of such length as to clamp said web directly against the upper edge of the intermediate bar, and said rear depending portion in the clamping position having its toothed edge disposed somewhat rearwardly of said intermediate bar.

2,180,180
CONTROLLING BANDEAU

Irving R. Versoy, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut

Application February 5, 1938, Serial No. 188,908
4 Claims. (Cl. 2—42)

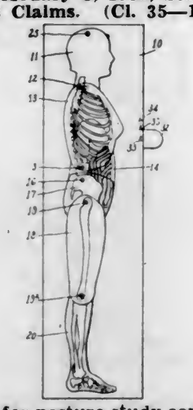


1. A control garment to encircle the bust portion of a figure having a continuous front section to extend across the bust of the figure, a side section adjustably secured to each side edge of the front section, a back section adjustably secured to the rear edge of each of the side sections, fastening means at the proximate edges of the back sections to secure them together, said front section having fullness at the upper portions thereof to embrace the breasts, and means for contracting the breast-embracing portions of the garment to fit the breasts of the figure comprising substantially vertically arranged draw strings between said portions and at the outer sides thereof, and additional substantially horizontally arranged draw strings below said portions to effect uplift and support of the breasts.

2,180,181
DEVICE FOR POSTURE STUDY

Irving R. Versoy, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut

Application February 8, 1938, Serial No. 189,350
3 Claims. (Cl. 35—17)

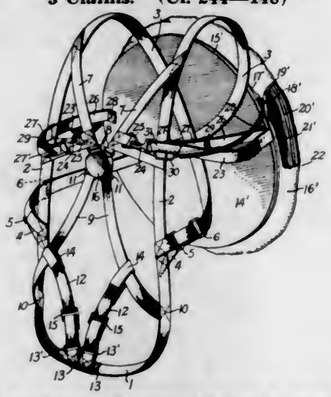


1. A device for posture study comprising a support, a two-dimensional jointed figure thereon having the profile contour of the human body, said figure including an abdominal-representing portion fixed to the support, a flat plane chest portion, and a flat plane pelvic portion, said last two named portions being pivoted to the first for relative movement with respect thereto, means for moving said pivoted portions comprising a pair of levers pivoted to the support and connected one to each of said portions to move the same, and means connecting together adjacent portions of said levers whereby one is actuated by the other, and the lever connected to the chest portion having a lost-motion connection with the corresponding portion of the figure whereby said portion is moved to a less extent than the adjacent part of said lever.

2,180,182
PARACHUTE ASSEMBLAGE

Stanley Switlik, Trenton, N. J.

Application October 29, 1937, Serial No. 171,639
3 Claims. (Cl. 244—148)

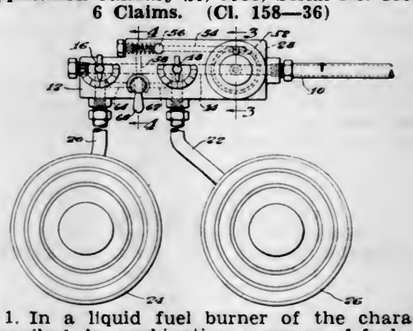


1. In a parachute assemblage, the combination with a body harness, of a parachute pack including a canopy, lift webs and a cover, quick attachable means for securing the lift webs to the harness and means, independent of the lift webs and automatically releasable upon the operation of the canopy, for attaching the cover to the harness.

2,180,183
LIQUID FUEL BURNER

William G. Walling, South Hingham, Mass., assignor of one-half to Ralph N. Doble, Hingham, Mass.

Application January 26, 1938, Serial No. 186,991
6 Claims. (Cl. 158—36)

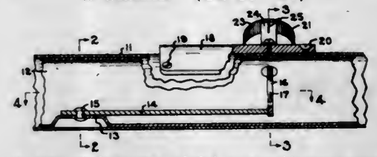


1. In a liquid fuel burner of the character described, in combination, a source of fuel supply, a burner, a conduit leading from the source of supply to said burner, a regulating device including a needle valve in said conduit for controlling the flow of the fuel to the burner and a priming device formed integrally with said regulating device disposed between said source of supply and said needle valve and means adapted to withdraw the liquid directly from the source of supply and to by-pass the liquid around said needle valve and directly to the burner.

2,180,184
RIFLE TELESCOPE SIGHT

William R. Weaver, El Paso, Tex.

Application March 31, 1937, Serial No. 134,134
2 Claims. (Cl. 33—50)



1. A gun telescope sight mounting comprising a member pivoted in the telescope, said member movable on said pivot in one direction transversely of said telescope and flexible in the transverse direction normal to said first direction, a reticule supported on said member, mutually normal adjusting screws carried by and extending transversely of said telescope, the pivoted member extending longitudinally of said telescope and being engaged by said screws whereby adjustment of said screws will cause said member to flex in one direction and move on said pivot in the other direction.

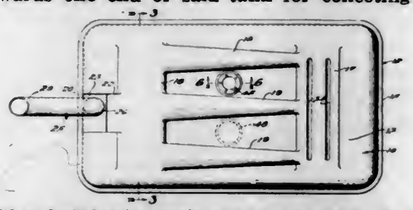
2,180,185
TANK

Erwin A. Weiss, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application August 6, 1936, Serial No. 94,587
6 Claims. (Cl. 220—86)

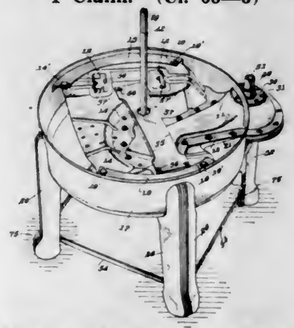
1. A fuel tank having an upwardly extending

channel-like rib means running in one direction and another rib means intersecting said first means, said rib means both increasing in depth towards one end of said tank for collecting at



said end air levitating to the top of said tank, and a filler tube fixed to the tank in direct communication with the space formed by the deepest portion of said rib means.

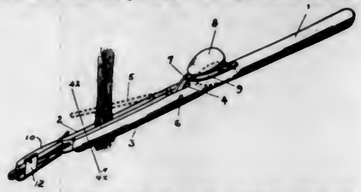
2,180,186
WASHING MACHINE
Alpheus W. Altorfer, Peoria, Ill.
Application June 3, 1936, Serial No. 83,293
1 Claim. (Cl. 68—3)



A washing machine including a base skirt ring, supporting brackets attached to the inside of said ring, a lower gear case housing drive mechanism, a sheet metal gear case cover shaped to cover said lower gear case and then extending upwardly and outwardly to provide substantially horizontal portions in position parallel with the supporting brackets attached to the inside of the ring, means connecting the parallel portions of the brackets and gear case cover, means connecting the lower gear case and cover, a motor secured to and supported by the gear case cover, a bridge member connected to the substantially horizontal portions of the extended gear case cover, an agitator shaft having a lower bearing in the gear case, a second bearing in the gear case cover and extending through the bridge member, a tub supported on the skirt ring, and means for connecting the tub and bridge member.

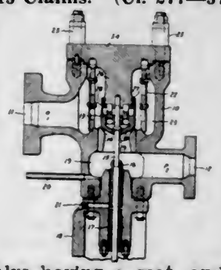
2,180,187
HAIR CURLER
Frank Amico, Rochester, N. Y., assignor of one-half to Frank Keiper, Rochester, N. Y.
Application September 15, 1938, Serial No. 230,049
3 Claims. (Cl. 132—33)

1. In a hair curler, the combination of a handle, two solid prongs thereon with an open slot between them, a spring-pressed finger mounted on a pivot, said pivot being transverse to the slot, said finger engaging with its free end in the slot between the two prongs and being adapted to fasten a lock of hair to the prongs so that the lock of hair can be wrapped on the prongs into a curl on the rotation of the curler, an extension on one of the prongs bent inwardly therefrom, said extension being capable of supporting a hairpin with its prongs on opposite sides there-



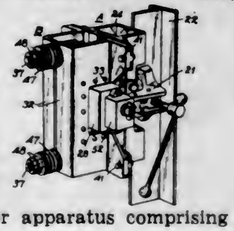
of in such position that one of the prongs of the hairpin will project out rearwardly over one of the prongs and will engage over the curl formed on the curler as the curl is moved out over the extension.

2,180,188
VALVE
John Ashworth, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 31, 1938, Serial No. 227,743
13 Claims. (Cl. 277—37)



1. In a valve having a seat, and a balancing cylinder, a disk, the throttling orifice of which decreases progressively in diameter with respect to the diameter of said disk from a value greater than the diameter of said balancing cylinder to a value less than the diameter of said balancing cylinder as the valve disk is moved to the opened position, the combination comprising means for causing the unloading of a portion of the upper area of said disk preparatory to moving said disk to the open position, and means for subsequently effecting the loading of a portion of the upper area of said disk as said disk is moved to a predetermined opened position.

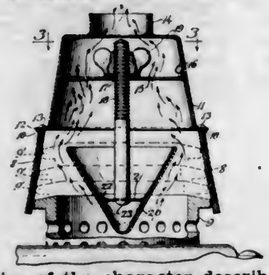
2,180,189
VIBRATOR
Grove D. Alvord, Pittsburgh, Pa., assignor to Central Electric Tool Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 13, 1934, Serial No. 748,241
21 Claims. (Cl. 172—240)



1. Vibrator apparatus comprising an electro-

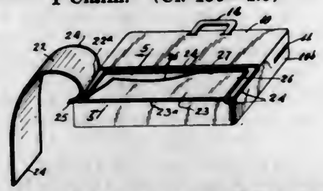
magnet assembly having a core, an armature assembly cooperatively associated therewith, a spring for separating the core and armature upon de-energization of the core, a spring stop limiting the separating movement and initiating return movement of the armature, means for periodically energizing the magnet, and means for adjusting the said spring stop to change the natural period of armature vibration so that the armature is substantially attracted only upon alternate current impulses.

2,180,190
HEAT SAVER
William Baro, Chicago, Ill.
Application February 24, 1938, Serial No. 192,356
3 Claims. (Cl. 110—97)



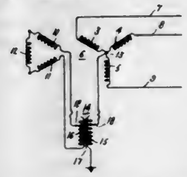
1. A device of the character described adapt- for use with an oil burner, comprising a chimney-like member made of sheet metal having a reduced neck portion and a flange portion, and provided with at least three knurled rods extending outwardly from their respective points of attachment to said chimney-like member and adapted to encompass oil burner pots of varied diameters, an inverted cone-shaped member and screw and wing nut members, adjustably securing said cone-shaped member to said chimney-like member, providing relative longitudinal adjustment of said cone-shaped member between the top surface of the pot of an oil burner and the reduced neck portion of the said chimney-like member.

2,180,191
INDUSTRIAL INSURANCE RECORD BAG
Ada Bauch, Brooklyn, N. Y.
Application August 16, 1938, Serial No. 225,163
1 Claim. (Cl. 150—1.6)



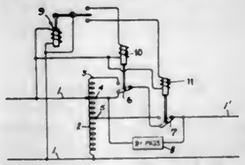
An industrial insurance record bag, comprising a hollow bag body of flexible sheet material having a mouth opening extending across one top edge and the adjacent end edges, fasteners along the edges of said mouth opening for closing the main compartment of the bag, one side of said body having a cutout lapel for giving access to said main compartment from the side, said lapel being integrally connected at one side with said body, and fasteners along the edges of said lapel and adjacent material of said body for closing said lapel, and an auxiliary lapel superimposed with respect to said lapel providing an outer compartment, said auxiliary lapel being integrally connected at one side to said body, and fasteners for securing the other sides of said lapel closed, said fasteners being of the hook fastener type controlled with control slides, and said fasteners being arranged so that the control slide of the outer lapel is immediately adjacent the control slide of the inner when the inner lapel is closed and the outer lapel is open.

2,180,192
PROTECTION OF ALTERNATING CURRENT SYSTEMS
Josef Biermanns, Berlin-Johannisthal, Germany, assignor to General Electric Company, a corporation of New York
Application February 15, 1939, Serial No. 256,525
In Germany May 10, 1938
6 Claims. (Cl. 172—237)



1. In a polyphase alternating current system of the type in which a fault to ground on one phase conductor of the system substantially increases the capacitance current to ground of the ungrounded conductors of the system, a transformer having windings connected in star to the phase conductors of the system and windings connected in delta, said star connected windings being insulated adjacent their neutral point for a predetermined voltage which is materially less than the normal voltage to ground of a phase conductor of the system, inductive means connected in circuit with said delta connected windings, another inductive means connected in circuit with said star connected windings, said two inductive means providing on the occurrence of a ground on a phase conductor of the system a zero phase sequence lagging current for effectively suppressing the capacitance current to ground at the grounded point, the inductive means in circuit with said star connected windings being so proportioned that on the occurrence of a ground on a phase conductor of the system the voltage to ground of the neutral point of said star connected windings does not exceed said predetermined voltage.

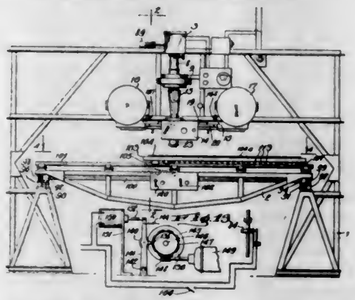
2,180,193
ELECTRIC CIRCUIT
Frederick F. Brand, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 6, 1938, Serial No. 183,661
1 Claim. (Cl. 171—119)



In a two-step transformer tap changing-under-load regulator for the no load and load voltage of an alternating current circuit, in com-

bination, a neutral voltage transformer tap, a boosting voltage transformer tap, a bucking voltage transformer tap, boosting voltage controlling switch having a movable contact with a deactuated position in which it engages one fixed contact and an actuated position in which it engages another fixed contact which is connected to said boosting voltage tap, a bucking voltage controlling switch having a movable contact with a deactuated position in wihch it engages one fixed contact and an actuated position in which it engages another fixed contact which is connected to said bucking voltage tap, voltage responsive means for selectively actuating said switches, a connection between the fixed contact of one of said switches which is engaged by its cooperating movable contact when the switch is in its deactuated position and said neutral voltage tap, and a connection between the movable contact of said last mentioned switch and the fixed contact of the other switch which is engaged by its cooperating movable contact when the latter is in its deactuated position whereby the simultaneous actuation of both of said switches cannot produce a short circuit between any of said taps and whereby the simultaneous deactuation of said switches will complete a series connection through said switches to said neutral tap.

2,180,194
PHOTOGRAPHIC APPARATUS
John E. Burks, Great Neck, N. Y., assignor to Max Fleischer, New York, N. Y.
Application July 23, 1937, Serial No. 155,170
11 Claims. (Cl. 88—24)



1. A projection printer of the class described which includes a projector adapted for the intermittent projection of successive frames of a motion picture film upon a sheet of sensitized material, a flat support for said sheet movable in the focal plane of the lens of said projector, means controlled by the operation of the projector for intermittently moving said support a predetermined distance in one direction in a straight line oblique to the line of travel of the film in the projector and in step with the intermittent advancement of said film, and means actuated by the movement of said support in the opposite direction to move said support a predetermined distance transversely of the line of travel of said film.

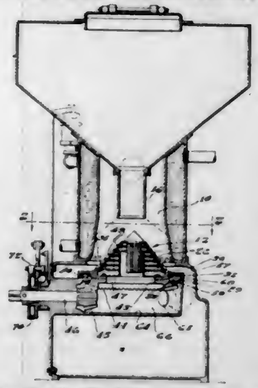
2,180,195
PLAQUE
John V. Cavalero, Bloomfield, N. J.
Application November 2, 1937, Serial No. 172,330
10 Claims. (Cl. 40—160)

1. In a plaque, a display on the face thereof, a metal member back of said display having an easel secured thereto and edges of said metal member bent over and pressed against the face of said display to grip and hold said display



thereunder, said bent over edges being on the opposite face from said easel.

2,180,196
METHOD OF AND APPARATUS FOR BURNING LOW-VOLATILE FUEL
Lawrence W. Corbett, Worcester, Mass., assignor of thirty-three per cent to Ralph N. Doble, Hingham, Mass., and thirty-four per cent to William H. Doble, Quincy, Mass.
Application October 6, 1936, Serial No. 104,210
12 Claims. (Cl. 110—36)

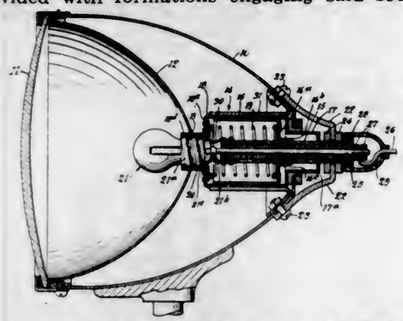


1. In the method of burning low-volatile solid fuel in domestic heaters substantially completely without the use of a secondary air supply, the steps comprising feeding the fuel by gravity to the apex of a conical fuel bed in such a manner as to establish and maintain a thin fuel bed, producing a gentle undulating motion in the fuel bed sufficient to prevent agglomeration without effecting substantial interchanges of green and hot fuel lumps, supplying air under pressure to the under side of the fuel bed through a resistance whereby the distribution of air supply is rendered substantially independent of the character of the bed, and removing the ash from the edges of the conical fuel bed.

2,180,197
ELECTRIC RECEPTACLE
Charles Vance Dame, Lanark, Ill.
Application May 28, 1937, Serial No. 145,174
4 Claims. (Cl. 173—349)

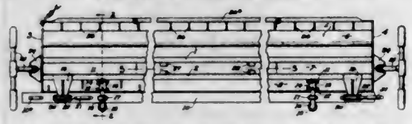
1. A receptacle comprising a tubular member, a socket member slidable longitudinally of said tubular member, cooperating means on said members preventing relative rotation thereof, a fixed conducting terminal in said tubular member arranged for contact with the terminal of a lamp in said socket member, a spring secured to said socket member and to said tubular member for moving the former axially in a direction to cause the terminal of a lamp therein to engage said fixed terminal, means for engaging the lamp

for preventing rotation of the same in the socket when said terminals are in contact, and a sleeve rotatably mounted on said tubular member and provided with formations engaging said socket



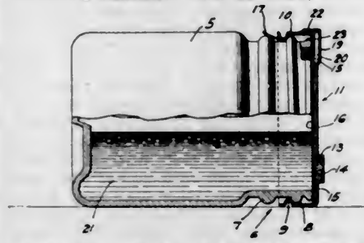
for moving said socket axially in a direction against the action of said spring to effect separation of said terminals and release of said engaging means.

2,180,198
APPARATUS FOR EMPLACING CONCRETE
William P. Day, Cleveland Heights, Ohio, assignor to The International Vibration Company, Cleveland, Ohio, a corporation of Ohio
Application November 22, 1938, Serial No. 241,751
8 Claims. (Cl. 94—46)



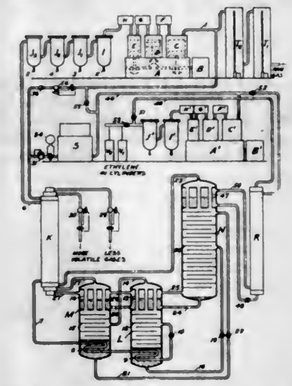
1. An apparatus for emplacing concrete in a road comprising a screed, a plurality of plates pivotally mounted on said screed and adapted to project downwardly into the layer of mix being laid, means for applying rapid and violent vibrations to said plates and to said screed, means for supporting said screed in a predetermined position with respect to the surface of the road to be formed, said screed being shaped and designed to provide a restricted passageway through which soft concrete may pass, the outlet end of said pasageway being of less capacity than the inlet end thereof whereby the concrete passing through the screed will be subjected to a vibrating pressure.

2,180,199
INSECTICIDE DISPENSER
Robert B. Loibl, Jr., Los Angeles, Calif.
Application March 10, 1939, Serial No. 261,037
3 Claims. (Cl. 43—131)



1. In an article of the kind described, a container having a filling opening surrounded by an externally screw-threaded neck, a cap having a flange capable of being screwed down upon said neck until its body portion abuts against the end thereof, said cap having a partially obstructed liquid delivery opening through its body portion in an adjacent, spaced relation to its periphery, an annular gasket interposed between the end of the neck of said container and the body portion of said cap, said gasket being sufficiently narrow to avoid overlying said liquid delivery opening when the cap is applied, and a disk shaped gasket at such time interposed between said annular gasket and the end of the neck of the container, the latter gasket having a radial finger to facilitate its manual insertion and removal.

2,180,200
METHOD AND APPARATUS FOR SEPARATING ETHYLENE FROM A GASEOUS MIXTURE
William Lane De Baufre, Lincoln, Nebr.
Application June 13, 1936, Serial No. 85,120
11 Claims. (Cl. 62—122)

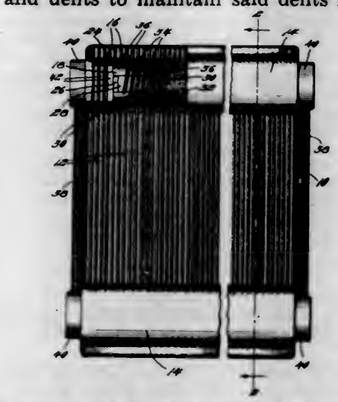


7. Apparatus for separating ethylene from a gaseous mixture including a rectifier for separating ethylene from said gaseous mixture, a compressor for compressing the separated ethylene to a high pressure, means for storing the ethylene at high pressure, means for throttling a portion of the ethylene from said high pressure and for utilizing the throttled ethylene as a refrigerant to produce liquid reflux in said rectifier.

2,180,201
PITCH BAND REED
Waldo Henry Fish, Central Falls, R. I., assignor to American Supply Company, Central Falls, R. I., a corporation of Rhode Island
Application November 19, 1936, Serial No. 111,635
2 Claims. (Cl. 139—192)

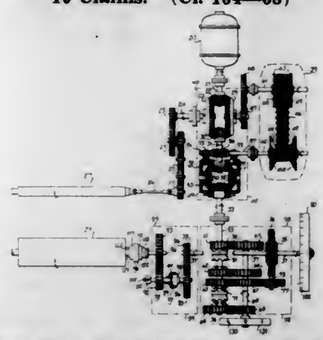
1. In a pitch band reed construction, spaced dents, two aligned wooden ribs having flat inner sides opposite end portions of said dents at points spaced from the ends thereof and arcuate outer sides, pitch impregnated cord spirally wound around said ribs having winds thereof extending between the dents said pitch impregnated cord being compressed to join adjacent winds of said cord together to provide a substantially homogeneous and integral readily axially expansible and contractable shell for said ribs extending substantially throughout the length of said ribs, and means of substantially the width of the flat inner sides of said wooden ribs inter-

posed between the flat inner sides of said wooden ribs and dents to maintain said dents in align-



ment and to prevent said dents from becoming imbedded into said wooden ribs.

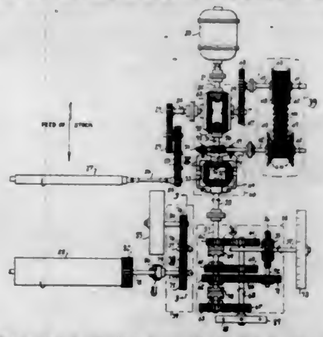
2,180,202
FLYING CUTTING DEVICE
Karl W. Halden, Thomaston, Conn.
Application October 4, 1937, Serial No. 167,192
Renewed September 29, 1939
10 Claims. (Cl. 164—68)



1. A flying cutting device, comprising: cutter-carrier means provided with cutter-means; feed-means adapted to feed stock to said cutter-means; driving-means for driving said cutter-carrier means to cause said cutter-means to cut said stock while it is being fed; said driving-means including two pairs of eccentric-gears and speed-changing means in series; adjustable coupling-means for changing the angular relationship between the two pairs of eccentric-gears; and other adjustable coupling-means for changing the angular relationship at the time of cut, between the cutter-carrier means and the eccentric-gear nearest thereto, to synchronize the speed of travel of said cutter-means with the speed of feed of the stock, at the time of cut.

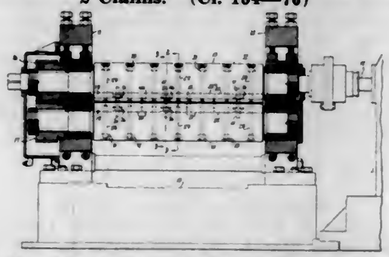
2,180,203
FLYING CUTTING DEVICE
Karl W. Halden, Thomaston, Conn.
Application October 4, 1937, Serial No. 167,193
Renewed October 10, 1939
5 Claims. (Cl. 164—68)

5. A flying cutting device, comprising: cutter-carrier means provided with cutter-means; feed-means adapted to feed stock to said cutter-means; driving-means for driving said cutter-carrier means to cause said cutter-means to cut said stock while it is being fed; said driving-means including driving and driven eccentric gears and speed-changing means in series; adjustable coupling-means for changing the angular relationship between said cutter-carrier means and said driving eccentric gear to synchronize the speed of travel of said cutter-means



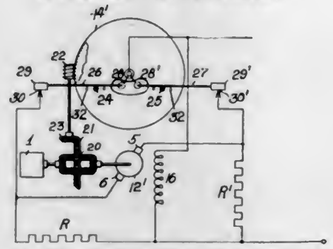
with the speed of feed of the stock, at the time of cut and while the accelerating arc-portion of the driving eccentric gear is driving the driven eccentric gear, said eccentric gears being adapted to cause said cutter-carrier means to be rotated with a non-uniform motion; counterbalance-means; and eccentric-gear means in driving relation with said counterbalance-means and adapted to rotate the latter with a non-uniform motion of opposite character to that of the cutter-carrier means.

2,180,204
ROTARY CUTTING DEVICE
Karl W. Halden, Thomaston, Conn., assignor to The Halden Machine Company, Thomaston, Conn., a corporation of Connecticut
Application November 27, 1937, Serial No. 176,806
2 Claims. (Cl. 164—70)



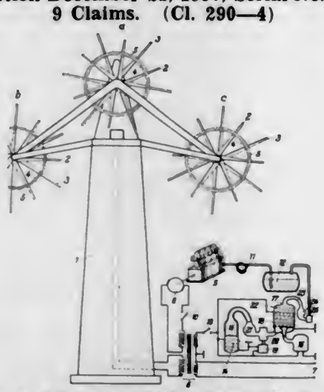
2. A rotary cutter construction comprising: a rotary cutter-carrier provided with a housing-recess having opposed walls converging toward one another; a reversible cutter having opposite cutting-edges and mounted in said housing-recess and having opposite parallel faces, one of which cutter-faces engages against one of said housing-recess walls and the other of which has a locking-recess; wedge-means in said housing-recess between said cutter and the housing-recess wall remote from said cutter and adapted to engage between the latter wall and the adjacent of said parallel cutter-faces to force the other of said parallel cutter-faces into frictional engagement with the adjacent housing-recess wall; and locking-means in said housing-recess and extending in the same general direction as said one cutter-face and anchored below the innermost end of said cutter and engaging in said locking-recess for locking said cutter against movement out of said housing-recess.

2,180,205
POSITIONAL CONTROL MOTOR
Frederick S. Hodgman, Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 24, 1937, Serial No. 132,713
In Japan September 13, 1935
9 Claims. (Cl. 172—239)



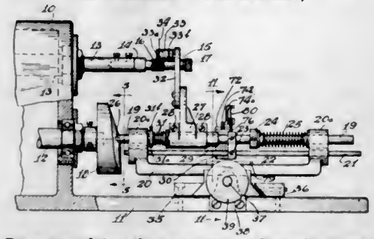
5. In an electrical follow-up system, a source of current supply, a motor having field and armature windings the former of which is of the continuously excited type, resistances permanently connected in series across the armature and to one side of the supply, a three position single pole switch having its center member connected to the other side of the supply and its side members to the junctions of said armature and said resistors and adapted to pass current in one or the other direction through said armature and resistances, said switch members in the neutral or standstill position completing a short circuit around said armature to brake the motor dynamically.

2,180,206
WIND-OPERATED ELECTRICAL POWER STATION
Hermann Honnef, Berlin, Germany
Application December 21, 1937, Serial No. 180,957
9 Claims. (Cl. 290—4)



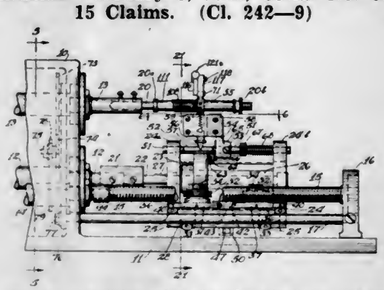
5. In a wind-operated power plant, a wind generator continuously connected to supply power to a power line, said generator having a normal output greater than the normal load on said line but less than the peak load, a second generator adapted to be connected to said power line to help carry the peak load, an internal combustion engine for driving said second generator, means for starting said engine at will, means for taking surplus power from the wind generator during periods of normal load on the power line, and means for utilizing said surplus power to manufacture synthetic fuel for use in said engine.

2,180,207
MACHINE FOR WINDING DUOLATERAL ELECTRICAL COILS
Frederick N. Jacob, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application February 1, 1936, Serial No. 61,874
13 Claims. (Cl. 242—9)



1. In a machine for winding electrical coils, the combination of a winding spindle, a cam shaft, a cam carried by said cam shaft and having an end cam surface, a follower rod substantially parallel with said winding spindle and with the axis of said cam and in line with the end surface of said cam, means for holding said follower rod against said end cam surface, a wire guide carried by said follower rod and adjacent to said winding spindle for movement by said end cam surface from end to end of a coil being wound, said end cam surface having angularly spaced high and low portions engaging and reciprocating said follower rod by rotation of said cam, gearing connecting said winding spindle and said cam shaft to drive said winding spindle at a desired rate relatively to said cam, thereby effecting a corresponding amount of traverse of the winding wire on the coil being wound per rotation of said coil, and means for shifting said wire guide longitudinally on said follower rod for successive winding operations.

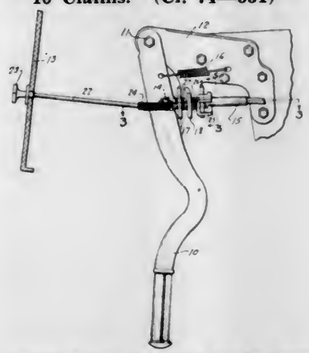
2,180,208
MACHINE FOR BANK-WINDING ELECTRICAL COILS
Frederick N. Jacob, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application February 3, 1936, Serial No. 62,032
15 Claims. (Cl. 242—9)



1. In a machine for bank-winding electrical coils, the combination of a winding spindle, a carriage movable longitudinally of said spindle,

a rotary cam carried by said carriage, a wire guide carried by said carriage and engaging said cam for movement thereby relatively to said carriage, said cam having end and side cam surfaces effecting lateral and vertical movements of said wire guide relatively to said spindle to wire guiding positions corresponding to the locations of the turns of a bank of a bank-wound coil, a feed-screw for moving said carriage, and devices connecting said spindle, said cam and said feed-screw for operation at relative rates effecting a cycle of winding the turns of each bank of said coil for movement of said carriage equal to the space on said spindle axially occupied by each of said banks.

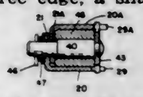
2,180,209
CONTROL FOR HAND BRAKES
Alvin L. Johnson, Toledo, Ohio, assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application August 6, 1936, Serial No. 94,640
16 Claims. (Cl. 74—531)



1. In combination, a hand brake lever for an emergency brake, a rod movable with the lever, a locking member pivoted at one side of the rod, said locking member having an opening in which the rod passes, a spring constantly biasing the locking member in the direction to cramp it upon the rod and lock the rod against movement in brake-releasing direction, a control member movable between "park" position and "run" position, means to retain said member in either of said positions until manually moved to the other, and connections from the control member yieldingly resisting the movement of the locking member in locking direction when the control member is in "run" position and diminishing this resistance when the control member is moved to "park" position, whereby the brake remains set to any degree to which the hand lever sets it while the control member is in "park" position and the brake is released whenever brake setting stress exerted upon the hand lever, while the control member is in "run" position, is released therefrom.

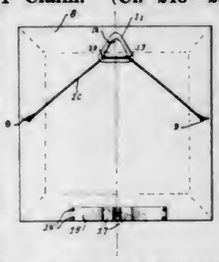
2,180,210
ADJUSTABLE SUPPORTING MEANS
Andrew L. Johnson, Detroit, Mich., assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application November 3, 1937, Serial No. 172,593
3 Claims. (Cl. 155—14)

1. Supporting means for a seat or the like comprising track and carriage elements, one adapted to be secured to a floor and the other to a supported object, each of said elements being of substantially right angular cross section, one flange of each element being substantially vertical, said vertical flanges being in slidably overlapping relation and having aligned guide slots therein, the other flanges of said elements extending in a common direction from the vertical flanges in spaced substantially parallel relation to each other, a series of rack-forming portions carried by each of said angularly projecting flanges near its free edge, a shaft portion pro-



jecting between said angularly projecting flanges and through said aligned guide slots, a roller portion mounted upon said shaft portion between said angularly projecting flanges and imposing the load of said carriage portion thereupon, a gear portion also carried by the shaft upon the opposite side of said roller portion from said overlapping flanges, and abutment means carried by said shaft outside said flanges and gear portion and preventing separation of said overlapping flanges, roller and gear portions.

2,180,211
SUSPENSION MEANS FOR PICTURE FRAMES
Edward N. Kellogg, Detroit, Mich.
Application June 5, 1937, Serial No. 146,602
1 Claim. (Cl. 248—29)

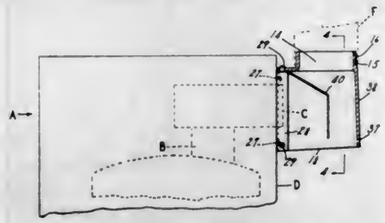


For use with a picture frame supported at the top by a suspending cord at each side of said frame and a ball frictionally engaging said cord, a centering device fastened at the lower portion of the picture comprising a sheet metal plate shaped to form a recess which is adapted to engage a pin extending from the wall upon which the picture is hung, spaced projections on said plate adapted to contact the wall on either side of said pin, said recess being positioned on the vertical center line of the picture, and cam surfaces on said plate sloping inwardly toward said recess from said spaced projections to automatically guide said pin to said recess.

2,180,212
DRAFT HOOD FOR WATER HEATERS OR THE LIKE
Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application February 4, 1938, Serial No. 188,605
3 Claims. (Cl. 126—299)

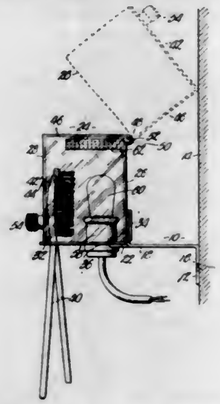
1. A draft hood for the flue of a water heater or the like, said draft hood comprising a casing having a wall aperture and an outwardly extending annular flange surrounding such aperture and adapted for telescopic association with a stack vent pipe, said casing also having two

wall openings and being adapted for association in either of two positions with the flue of said water heater or the like so as to locate either of its said wall openings in communicating associa-



tion with the outlet of the flue of such water heater or the like, with the other wall opening of such casing serving at such time as an air opening.

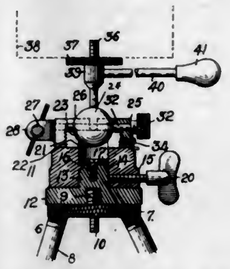
2,180,213
ILLUMINATING TOOTH BRUSH CABINET
Frederick Willis Peake, Kansas City, Mo.
Application April 7, 1938, Serial No. 200,723
4 Claims. (Cl. 219—45)



1. An illuminating tooth brush cabinet having in combination a casing removably carried by a wall bracket and having notches formed therein to receive the shank of a tooth brush to support the bristle portion of the brush in said casing and the handle portion outside thereof; a diaphanous closure hinged at the top of and adapted to rest on the bottom of said casing, to close the casing and to close the openings to said notches to secure the tooth brush in position, a heat producing illuminating member positioned in said casing; and a perforated tray supported in said casing directly above said heat producing illuminating member.

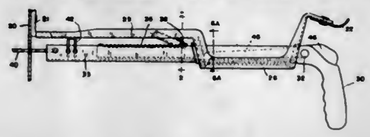
2,180,214
UNIVERSAL HEAD
Charles Rapp, Brooklyn, N. Y.
Application March 3, 1938, Serial No. 193,694
5 Claims. (Cl. 248—181)

5. A camera head of the character described comprising a ball-supporting portion and a camera-supporting ball seated for movement in said portion, said ball being normally movable universally with respect to the latter, a handle integrated with said ball for effecting said movement thereof, means for securing said ball against movement in any desired position on said ball-



supporting portion, and means associated with said ball and portion to restrict the movement of the ball to a single general plane.

2,180,215
CONTROL HANDLE
Walter S. Saunders and Thomas A. McGregor, Pontiac, Mich., assignors to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application October 21, 1938, Serial No. 236,262
8 Claims. (Cl. 74—502)

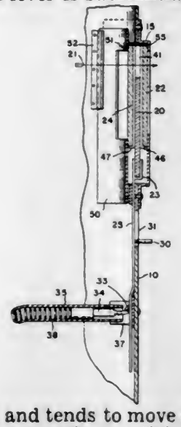


1. Control means for desired apparatus, comprising in combination with a suitable support, an actuating member slidable and rockable in the support, pawl and ratchet portions, one carried by the support and the other by the actuating member, arranged to prevent unwanted return movement of the actuating member when it has been moved in one direction, means yieldably tending to rock the actuating member toward and maintain it in a position in which said pawl and ratchet portions are in operative engagement, means for rocking the actuating member away from said position to separate the pawl and ratchet portions and permit such return movement of the actuating member, and separately releasable latching means restraining unwanted rocking movement of said actuating member away from said position.

2,180,216
MASK
Leslie E. Snodgrass, Pontiac, Mich.
Application February 15, 1938, Serial No. 190,657
2 Claims. (Cl. 2—8)

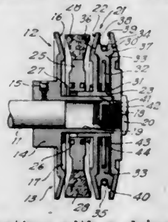
1. A shielding mask having a body portion, a shield element carried by the body portion and movable vertically therein to shielding and non-shielding positions, actuating means whereby said shield element may be moved by a wearer of the mask, including a lever pivoted on and extending inwardly from the body in position for engagement with and movement by the chin of a wearer of the mask, and a spring-urged thrust member slidably carried by said lever and reacting against said slide in a direction longitudinal with respect to the lever, whereby said thrust

member tends to hold the slide against movement when the lever is substantially perpendicu-



lar to the slide, and tends to move said slide when the lever is more nearly parallel thereto.

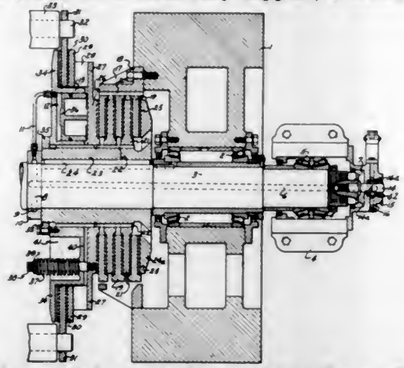
2,180,217
LAGGING CLUTCH
Ray Thomas, Los Angeles, Calif.
Application September 20, 1938, Serial No. 230,776
2 Claims. (Cl. 74—230.24)



1. In combination with a drive shaft, a pair of pulley elements carried thereby, one of said elements being fixed with relation to the shaft and the other of said elements having a slidable driving connection with the shaft, a floating disc between said pulley elements and around which a drive belt is led, said floating disc being freely rotatable with relation to the pulley elements and the shaft, yieldable means disposing the disc between the pulley elements and acting to normally hold the pulley elements in their outermost position of separation, and permitting the movable pulley element to move toward the fixed pulley element to grip the belt, an annular inclined face formed on the outer side of the movable pulley element, a plurality of clutch segments mounted to move against the inclined face of said movable pulley element and shift the same toward the fixed pulley element as influenced by centrifugal action of the rotating structure, and a fixed clutch disc against which the clutch segments act in shifting the movable pulley element.

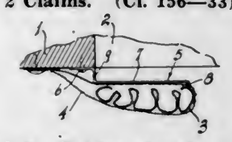
2,180,218
COMBINED CLUTCH AND BRAKE FOR PRESSES
Reuben E. Wissman, Minster, Ohio, assignor to The Minster Machine Company, Minster, Ohio, a corporation of Ohio
Application June 7, 1938, Serial No. 212,321
8 Claims. (Cl. 192—18)

1. In combination, a shaft, a flywheel, a plurality of clutch rings mounted on said shaft and said flywheel adapted to engage one another, a plurality of braking rings of larger size than the clutch rings and partly mounted on said shaft and partly on a stationary support, a common



fluid operated means for engaging the smaller clutch rings, and a common spring means for disengaging the clutch rings and engaging the larger brake rings, said brake rings being disposed exteriorly of said fluid operated means.

2,180,219
PROJECTING TIE-BACK
Leda Peterson Wormley, Long Beach, Calif.
Application March 21, 1938, Serial No. 197,165
2 Claims. (Cl. 156—33)



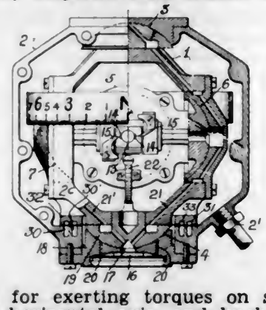
2. A window drapery spacer comprising a blade adapted to bear against the window side of the drapery, an offset integrally formed with the blade, a flange extending from the offset and integral therewith, said flange being adapted and arranged to be secured to the window frame, and a sharp tip on the outer end of the blade.

2,180,220
CATALYST REGENERATION
George A. Boyd, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application October 13, 1937, Serial No. 168,797
13 Claims. (Cl. 196—54)

1. The method of breaking down an organic aluminum chloride complex formed by the reaction of an aluminum chloride catalyst with a hydrocarbon oil, which method comprises treating said complex with carbon monoxide and a promoter at a temperature above room temperature and below 500° F.

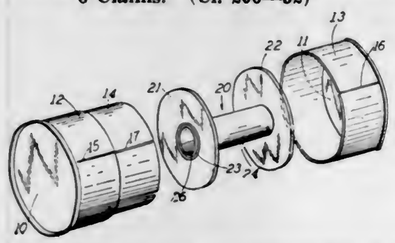
2,180,221
RESETTING DEVICE FOR DIRECTIONAL GYROSCOPES
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 6, 1936, Serial No. 109,474
7 Claims. (Cl. 33—204)

1. In an air borne directional gyroscope, an outer casing, a rotatable vertical ring, air bearings for mounting the same for rotation about a vertical axis in said casing, a rotor casing, air bearings for mounting the same in said ring for oscillation about a horizontal axis, a pair of normally inoperative air nozzles mounted in



said ring for exerting torques on said casing about its horizontal axis, and knob controlled valve means for rendering either nozzle effective to reset the gyroscope, passages being provided to lead air from the exterior of said casing to said nozzles distinct from the air passages to said air bearings.

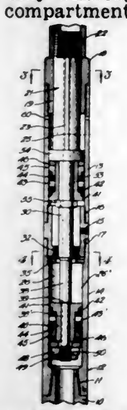
2,180,222
SPOOL AND CONTAINER FOR SENSITIZED FILM OR PAPER
Fredrick D. Clarke, Binghamton, N. Y., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
Application November 26, 1937, Serial No. 176,555
6 Claims. (Cl. 206—52)



1. In a spool for film, in combination, a pair of end portions, each having an aperture therein, a sleeve secured to the interior periphery of each of said apertures, the external diameter of one of said sleeves being substantially equal to the internal diameter of the other of said sleeves whereby said sleeves may be telescoped to provide a tight frictional assembly of said spool.

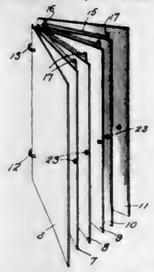
2,180,223
HYDRAULIC WELL JAR
Charles H. Collett, Walnut Park, Calif., assignor of one-half to Harry E. Lynn, Monterey Park, Calif.
Continuation of application Serial No. 98,328, August 28, 1936. This application December 14, 1938, Serial No. 245,697
8 Claims. (Cl. 255—27)

1. A well jar comprising a tubular barrel, a mandrel longitudinally reciprocating therein, a transverse partition in the barrel and through which the mandrel extends, a pair of pistons fixed upon the mandrel in spaced relation to the transverse partition and whereby alternate movement of the mandrel and its pistons will create a fluid receiving compartment within the barrel and on opposite sides of the partition, a one-way valve associated with the partition and permitting the flow of fluid from one compartment to the other in one direction only whereby fluid may be entrapped in one compartment, impact members



carried by the mandrel and the barrel and normally held apart by fluid entrapped in said compartment, and means effected by force longitudinally applied to the mandrel and the barrel to cause the entrapped fluid to be displaced in the other fluid compartment and to permit the impact members to strike each other.

2,180,224
TIE HOLDER
James Wilmer Devall, Montgomery, Ala.
Application February 24, 1938, Serial No. 192,373
3 Claims. (Cl. 211—169)

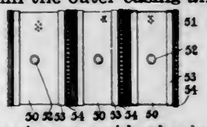


1. A case comprising a plurality of leaves of sheet material hinged together at one edge of each to form a plurality of compartments with substantially parallel spaced walls, and a hanger pivoted at one end in each compartment adjacent the hinged edge thereof to extend across and swing between the adjacent leaves of said compartment, the supporting portion of said hanger extending above the upper edges of said leaves.

2,180,225
LAUNDRY MACHINE
Frank Dewhurst, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, England
Application April 9, 1936, Serial No. 73,563
In Great Britain April 15, 1935
2 Claims. (Cl. 68—27)

2. A laundry washing machine comprising an outer stationary casing for containing the wash-

ing liquid, a closure for said casing providing an opening at the upper part supporting and driving wheels located within the outer casing, a plurality of inner perforated washing drums located end to end within the outer casing and supported



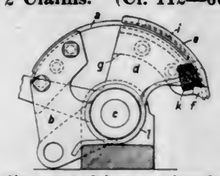
by their peripheries on said wheels, each drum having lifting trunnions located on a diameter at right angles to the longitudinal axis of the drum, said trunnions being adapted to engage driving slots in the rotary basket of a hydro-extractor.

2,180,226
TOILET KIT
Warren S. Eaton, Los Angeles, Calif.
Application January 7, 1939, Serial No. 249,798
13 Claims. (Cl. 132—84)



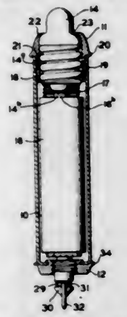
1. A toilet kit comprising a casing provided with a partition dividing the casing into compartments, one of the compartments being open at one end of the casing and closed at the opposite end thereof and provided with a discharge opening adjacent the closed end of the compartment, the other compartment being closed at said one end of the casing and open at said other end of the casing, a displaceable closure for the open end of the first mentioned compartment, and a removable cap for the opposite end of the casing, said cap normally closing the discharge opening.

2,180,227
SOLING MACHINE
Adam Ehresmann, Kaiserslautern, and Ludwig Streibel, Karlsruhe, Germany
Application April 2, 1938, Serial No. 199,568
In Germany August 19, 1936
2 Claims. (Cl. 112—60)



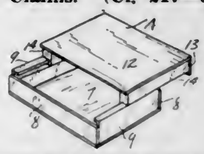
1. In a soling machine a circularly bent needle oscillating along its arc, a needle holder, a presser foot open on one side mounted adjacent said needle holder and having a correspondingly bent flange supporting and guiding said needle from the outside, a movable body provided within said presser foot, said body being pressed by a spring continuously against said flange and thus supporting said needle from the inside.

2,180,228
PORTABLE ELECTRIC LAMP
Irving Florman, New York, N. Y.
Application September 1, 1938, Serial No. 228,048
3 Claims. (Cl. 240—10.68)



1. In a portable lamp, a casing supporting a bulb at one end and enclosing an electric cell movable therein for closing and opening the electric circuit in said lamp, said casing including a cylindrical casing member having an apertured end wall, and an end reinforcement member rigidly secured to said apertured end wall and comprising an annular body having a diameter at least as great as the diameter of the casing member and having a screw threaded central aperture and having a central sleeve extending from its upper surface and surrounded by an annular recess engaging the exterior of said apertured end wall, said sleeve extending through the aperture in said end wall and being bent outwardly over the interior of said apertured end wall, a switch screw screwthreadedly secured in the screwthreaded aperture in said annular body, and means attached to said switch screw for rotating said switch screw.

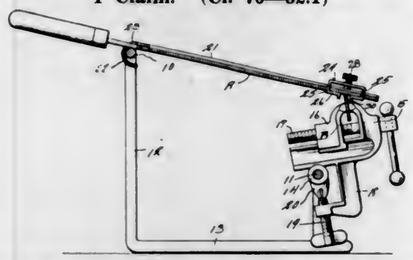
2,180,229
SHIPPING BOX
Stuart A. Frakes, Klamath Falls, Oreg.
Application September 15, 1937, Serial No. 164,068
2 Claims. (Cl. 217—5)



1. A box comprising a rectangular bottom member, vertically disposed side pieces positioned along the longitudinal edges of the said bottom. vertically disposed end pieces positioned along transverse edges of the bottom and with the top edge thereof projecting above the said side pieces and formed with grooves in the inner face of the upwardly extending portion, a cover member having the same size and shape as the said bottom member, depending end pieces carried by the said cover and formed with rib elements adapted to be slidably received in the grooves of the said first-mentioned end pieces, and depending side pieces carried by the cover the lower edge of which extends beyond the second-mentioned end

pieces and in abutting relation to the upwardly extending portions of the first-mentioned end pieces.

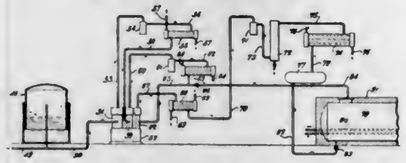
2,180,230
SHARPENING DEVICE
Samuel T. Freeth, Drexel Hill, Pa.
Application January 7, 1938, Serial No. 183,881
1 Claim. (Cl. 76—82.1)



A sharpener of the character described, comprising a stand having base portions and two parallel horizontal cross-bars secured to and supported by the base portions, said cross-bars being disposed one in a higher plane than the other, a work holding vise having opposed clamping jaws and having a depending arm carrying an upwardly extending clamping screw, a sleeve encircling the lower one of the horizontal cross-bars, said clamping screw having a head adapted to partially embrace said sleeve whereby the vise may be rotatably supported upon the lower cross-bar to thus adjust a piece of work held between the jaws to a desired angle, a supporting bar having a hook at one end to loosely engage the upper cross-bar and a guide slidably adjustable along the supporting bar and having opposed slots through which the supporting bar may extend together with a file disposed longitudinally of the underface of the supporting bar, the hooked end of the supporting bar having a slot through which may extend one end of the said file, and a set screw passing through the top of the guide and adapted to bear against the supporting bar and clamp the supporting bar and file together, the slide having a transverse opening on its underface adapted to receive the work held between said jaws, and having downwardly extending guide lugs disposed upon opposite sides of the work

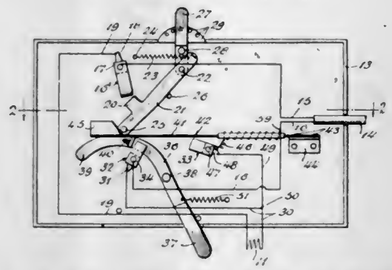
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2,180,231
METHOD AND APPARATUS FOR PRODUCING, TRANSPORTING, STORING, AND/OR HANDLING LIQUID CARBON DIOXIDE
Eric Geertz, Aurora, and Jesse E. Taylor, Elgin, Ill., assignors to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application May 20, 1938, Serial No. 209,152
17 Claims. (Cl. 62—1)



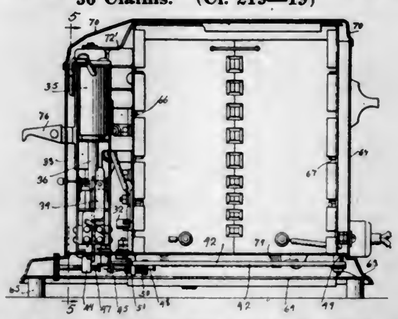
1. A method of handling a liquefied gas which must be maintained above 75 pounds per square inch pressure to maintain it as a liquid comprising passsing the gas through a plurality of stages of compression, cooling the gas after each stage of compression to remove the heat absorbed by the gas, condensing the compressed gas to obtain liquid, lowering the temperature and pressure of the liquid to a predetermined selected sub-atmospheric temperature and its corresponding vapor pressure, which will be above 75 pounds per square inch, and delivering said low temperature, low pressure liquid without change in temperature and pressure to an insulated container charged with a fluid at a pressure which will prevent the pressure of the incoming liquid from dropping below 75 pounds per square inch.

2,180,232
ELECTRIC TIMER FOR TOASTERS
James Geier, Troy, N. Y., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application March 23, 1935, Serial No. 12,587
Renewed October 16, 1939
19 Claims. (Cl. 219—19)



7. In a bread toaster, a toasting compartment, a thermally responsive device, means mechanically connected to said thermally responsive device during cooling thereof for directly terminating the toasting of a bread slice in said toaster responsive to movement and return of said thermally responsive device by heating and cooling the same.

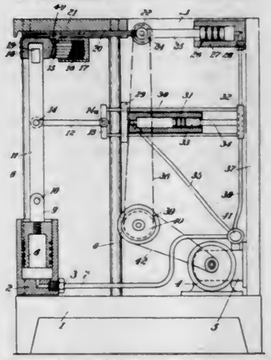
2,180,233
TIMED COOKER
Maurice H. Graham, St. Louis Park, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application February 4, 1935, Serial No. 4,899
36 Claims. (Cl. 219—19)



14. The combination with cooking means, of a timer for establishing intervals of the cooking action, including a thermally responsive member, heating means operative on said timer member only until the latter has reached a predetermined high temperature, thereby permitting said timer member to cool while the cooking action is

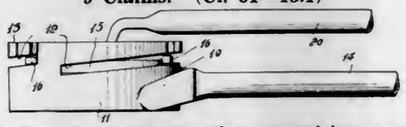
continued, and means for interrupting the cooking action, when said thermally responsive timer member has cooled to a predetermined extent.

2,180,234
PRODUCTION OF BOOTS AND SHOES
Christian Haber, Hechingen, and Ernst Haumann, Stetten, near Hechingen, Germany
Application April 23, 1936, Serial No. 76,052
In Germany May 3, 1935
3 Claims. (Cl. 12—145)



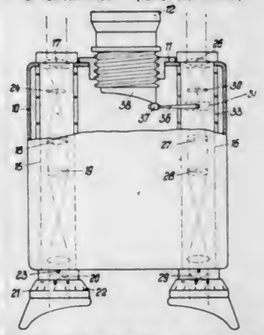
1. A process for shaping the uppers of boots and shoes having stiffening insertions and a lining adhesively connected to the upper before the application of the upper to a last which consists in firmly holding the portion of the upper to be worked upon between a mould of substantially similar shape to the last and a pressing member, applying a shaping pressure to the upper between the mould and the pressing member, wiping in the projecting portion of the upper while the shaping of the upper takes place under pressure and simultaneously applying heat whereby the leather, stiffening insertions and lining are united together to effectively prevent the leather to return to its original shape, the wiping in of the projecting portions being accomplished under pressure by rapidly vibrated inwardly closing wiping members, and smoothing the surrounding edge parts by subjecting the upper to pressure applied in a direction perpendicular to the direction of the wiping pressure.

2,180,235
JAR CAP TOOL
Walter W. Harding, Martinsville, Ind.
Application September 2, 1937, Serial No. 162,216
9 Claims. (Cl. 81—15.1)



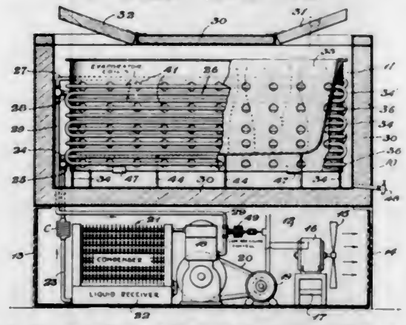
1. A metal cap expander comprising a ring provided with inclined slots, a handle secured to said ring, a plate adapted to be inserted in said ring, said plate being provided with ears to engage said slots, a handle secured to said plate, means to support a metal cap in inverted position in said ring, and means depending from said plate and extending into said cap to engage the inside thereof, said ring and plate adapted to be turned relatively to each other to cause said plate to move downwardly to press said cap into its original expanded shape.

2,180,236
FINDER
Paul Heinisch, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application October 20, 1937, Serial No. 170,093
In Germany October 27, 1936
3 Claims. (Cl. 95—44)



1. The combination with a camera having an objective lens and means for focussing said lens; of a pair of telescopic finders, the optical axes of which being arranged parallel to, in the same plane with, and equally spaced from the optical axis of said objective lens; a fixed reticle in the path of light of either finder; a plate glass member movably arranged in one of said finders; and means operable by said focussing means for tilting said plate glass member relatively to the axis of the respective finder, whereby the image of the reticle in the respective finder becomes deflected in a direction normal to the tilting axis and a stereoscopic picture is produced of a reticle as moving towards and from the camera.

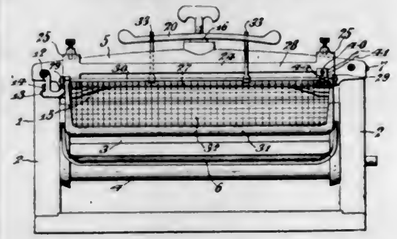
2,180,237
REFRIGERATING APPARATUS
Krieger W. Henderson, Chattanooga, Tenn., assignor of one-half to R. B. Davenport, Jr., Chattanooga, Tenn.
Application March 28, 1938, Serial No. 198,527
15 Claims. (Cl. 62—141)



13. In a refrigeration system including a refrigeration circuit, a cooling unit including a plurality of metal sleeves and a plurality of spiral-like evaporator coils arranged in parallel relation in said circuit, means for effecting unidirectional flow through each of said coils and therethroughout, a section of one of said coils contacting each of said sleeves in a single plane with refrigerant fluid passing in said plane in one direction, said coil having a second section

returning in a second plane spaced from said first plane and in contact with each of said metal sleeves, a second of said evaporator coils having a section arranged in contact with said metal sleeves in a third plane between the first and second planes mentioned.

2,180,238
SAFETY DEVICE FOR WRINGERS ON WASHING MACHINES
John A. Hoke, Reading, Pa., assignor of one-half to Raymond B. Brown, Reading, Pa.
Application March 22, 1932, Serial No. 600,491
18 Claims. (Cl. 68—263)



1. In a wringer including a frame with upper and lower wringer rolls thereon, said frame having a removable head with means therein for urging tension on the upper wringer roll, locking means for the tensioning means and for locking the head including a movable device, and manually movable means operatively supported on the head with elements in the path of the movable device for releasing the movable device and relieving the tensioning means thereby unlocking the head, when the means on the head may be actuated toward the rolls.

2,180,239
SHOTGUN CARTRIDGE
John Edmund David Holland and William Mansfield, London, England, assignors to Holland & Holland Limited, London, England
Application June 8, 1938, Serial No. 212,570
In Great Britain April 23, 1937
6 Claims. (Cl. 102—15)



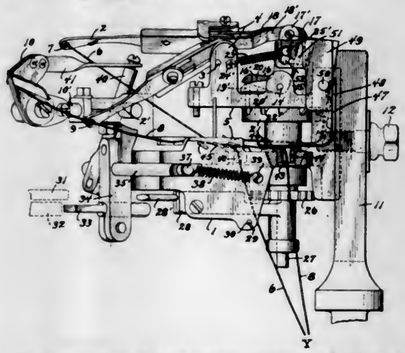
1. A shotgun cartridge comprising a base and a tube secured thereto, a tube within and forming a liner for the first tube, a charge within the liner including a base wad, said liner partly extending alongside of and being secured in place by the base wad, one of said tubes being of metal turned over at its end remote from the base to close the cartridge and being of such thickness as to create a predetermined resistance to opening when the cartridge is fired and the other tube stiffening the cartridge for handling purposes.

2,180,240
PUMP PLUNGER
Edwin S. Huntsman, Fillmore, Calif.
Application August 16, 1938, Serial No. 225,221
3 Claims. (Cl. 309—23)



1. A pump plunger for use in well tubing comprising a tube, a pair of bushings threaded onto opposite ends of said tube, respectively, and a plurality of combination units on said tube intermediate said bushings each including spool-like sleeves adapted to form together with the inner wall of the well tubing lubricant containing chambers, a pair of pump cups surrounding said tube at the inner ends of said bushings, respectively, a series of sealing and packing rings intermediate each pump cup and said units, and spring means dividing said units and said series of rings and urging the units and series upon opposite sides thereof into compact relation.

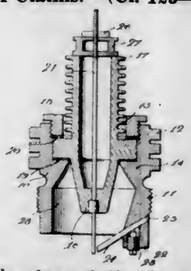
2,180,241
BRAKE MEANS FOR YARNS
Willis A. Ingalls, Syracuse, N. Y., assignor to Tompkins Bros. Co., Syracuse, N. Y., a corporation of New York
Application February 4, 1938, Serial No. 188,763
5 Claims. (Cl. 66—145)



5. In a device of the class described, the combination with a frame, and a pattern controlled yarn guide pivotally mounted on said frame for movement to and from yarn feeding position while a portion of the yarn is disposed contiguous to the frame, of a resilient yarn clamping member also pivotally mounted on said frame for movement towards and away from the yarn, and

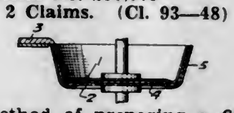
means for positively connecting said yarn clamping member with the yarn guide aforesaid for operating the yarn clamping member by the pattern control for the yarn guide, whereby to releasably clamp the yarn between the resilient clamping member and the frame incident to operation of the yarn guide to one of its positions by the pattern control.

2,180,242
SPARK PLUG
Joseph P. Kletz, Chicago, Ill.
Application February 17, 1939, Serial No. 257,001
4 Claims. (Cl. 123—169)



1. A spark plug of the kind described comprising an externally finned plug body having a skirt portion threaded exteriorly for a portion of its length, a thickened extension on the skirt at one side thereof below the threads and having an inwardly sloping aperture extending diagonally downwardly therethrough, a tubiform insulator interfitting the said plug body and having external annular fins above said body, a main electrode arranged centrally of said insulator and protruding into the plug body, a second electrode slidably fitting the aperture in the thickened extension for adjustment toward and away from the main electrode, and means engaged in said thickened extension for fastening the second electrode in adjusted position and accessible at the inner end of the plug body.

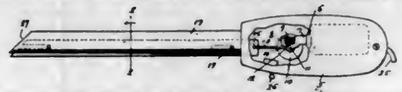
2,180,243
METHOD OF MAKING A BOTTLE SEALING CAP
Harry F. Kniesche, Baltimore, Md.
Original application October 11, 1932, Serial No. 637,308. Divided and this application January 9, 1939, Serial No. 250,070
2 Claims. (Cl. 93—48)



1. The method of preparing a fibrous bottle sealing cap having a flange adapted for application to the rim of a bottle mouth, which comprises compressing the flange of the cap at intervals spaced circumferentially thereof, leaving intervening uncompressed portions of the flange of greater thickness than the compressed portions thereof.

2,180,244
POWER OPERATED KNIFE
Clem E. Kosterman, Racine, Wis.
Application June 4, 1938, Serial No. 211,939
3 Claims. (Cl. 30—272)

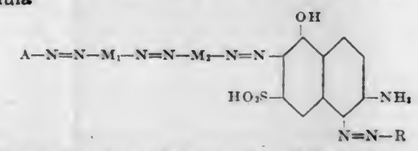
3. A power operated knife comprising a handle having a motor operatively mounted therein, a sheath projecting forwardly from the handle, a blade reciprocally mounted in the sheath and having one edge projecting therefrom and means operatively connecting the blade to said motor, said sheath and blade having rearwardly and



upwardly uniformly inclined front edges providing a pointed end at the bottom thereof.

2,180,245
SUBSTANTIVE POLYAZO DYESTUFFS AND THEIR MANUFACTURE
Adolf Krebser, Riehen, near Basel, Switzerland, assignor to the firm of J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application April 14, 1938, Serial No. 202,127. In Switzerland April 21, 1937
10 Claims. (Cl. 260—166)

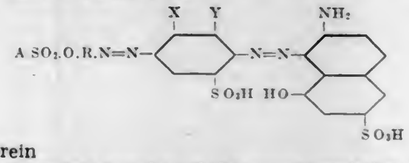
7. The substantive polyazo-dyestuffs which correspond in the free state to the following formula



wherein A represents a member of the group consisting of residues of benzene and naphthalene sulphonic acids, M_1 represents a member of the group consisting of α-naphthylamine, 1-naphthylamine-6-sulphonic acid, 1-naphthylamine-7-sulphonic acid, and a mixture of 1-naphthylamine-6-sulphonic acid and 1-naphthylamine-7-sulphonic acid, M_2 represents a member of the group consisting of amino-hydroquinone-dialkyl- and amino-hydroquinone-diaralkyl-ethers, and R represents a member of the group consisting of aminosulphonic acids of the benzene and naphthalene series.

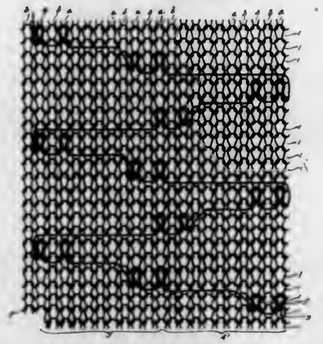
2,180,246
DISAZO DYESTUFFS AND THEIR MANUFACTURE
Adolf Krebser, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application May 10, 1938, Serial No. 207,149. In Switzerland May 19, 1937
5 Claims. (Cl. 260—191)

1. The disazo dyestuffs corresponding in the free state to the formula



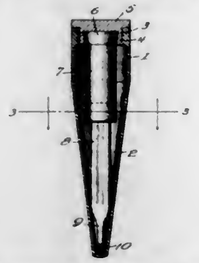
wherein
X represents a member of the group consisting of hydrogen, an alkyl- and alkoxy group,
Y represents a member of the group consisting of hydrogen and an alkoxy-group (one of X and Y being at the most different from hydrogen)
R represents the residue of a phenol, coupled in the para-position and
A represents an aromatic residue of the benzene series,
being dark powders, soluble in water with reddish to bluish-violet color, dyeing animal fibres in an acid bath violet shades of good light fastness.

2,180,247
ELASTIC TOP FOR HOSIERY
Walter Larkin, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del., a corporation of Delaware
Application December 4, 1937, Serial No. 178,159
5 Claims. (Cl. 66—172)



1. A knitted fabric produced from a continuous inelastic yarn running throughout and forming each of a multiplicity of complete successively interknit courses of stitches forming the body of said fabric, and a continuous elastic yarn incorporated with said inelastic yarn in short fractional portions solely of each of a predetermined number of said courses in such relation to said inelastic yarn as to be substantially hidden in the fabric with said short incorporations staggered alternately to the right and to the left of a predetermined stitch wale of said fabric.

2,180,248
POCKET ANTISEPTIC DISPENSER
Curtis Layne, Watsonville, Calif.
Application June 7, 1937, Serial No. 146,945
1 Claim. (Cl. 206—43)



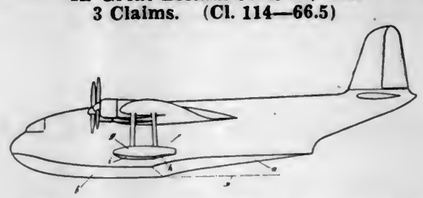
A liquid antiseptic dispensing device comprising an elongated casing having an interiorly threaded open end and a closed opposite end, said casing being tapered inwardly from adjacent its open end to its closed end, a serrated closure cap threaded in the open end for closing the same and having a substantially frusto-conical shaped recess therein, antiseptic receiving and dispensing means including an elongated rubber bulb, a solid upper portion for the bulb and shaped to fit and being seated within the recess to set up a wedging action therewith to be carried by the cap, a dispensing tube secured to and communicating with the bulb and being of a width to contact the inner surface of the wall of the casing adjacent its closed end for fitting association therewith, a nozzle on the outer end of the tube, and a soft rubber cushioning member within the closed end for disposal in the path of the nozzle for the latter to engage the same.

2,180,249
DENTIST'S SALIVA EJECTOR
Jack Mortimer Lempert, Rockville Centre, N. Y.
Application March 29, 1938, Serial No. 198,780
3 Claims. (Cl. 32—33)



2. In a saliva ejector, an elongated metallic receptacle that is curved longitudinally, one end of said receptacle being open, the other end being closed, a vacuum chamber arranged at the closed end of the receptacle, the bottom of the receptacle being formed with a slot that extends from the open end of the receptacle to the open end of the vacuum chamber, said ejector adapted to have an absorbent material inserted through the open end of the receptacle to fill the slotted portion of said receptacle, the inner end of the absorbent material extending into the open end of the vacuum chamber, and a saliva discharge tube extending from the top of the vacuum chamber, the exposed portion of the absorbent material when fitted in the receptacle having its longitudinal edge portions overlying the respective side edges of the slot in the receptacle.

2,180,250
HULL OF FLYING OR MOTOR BOATS
Arthur Oliver Mattocks, Rochester, England, assignor to Short Brothers (Rochester & Bedford) Limited, Rochester, England
Application October 20, 1938, Serial No. 236,087
In Great Britain June 14, 1938
3 Claims. (Cl. 114—66.5)



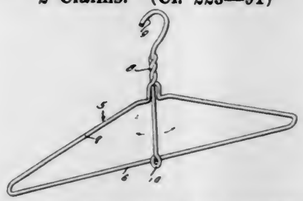
1. A hydroplane vessel having its undersurface formed with a fore planing bottom and an aft planing bottom, both of said planing bottoms being of V-shape in cross-section forming at each side of the keel an inclined fore surface and an inclined aft surface, the whole of the inclined aft surface rising upwardly and rearwardly in concave form directly from the rear of each front surface.

2,180,251
FRACTURE SETTING APPLIANCE
Frederick W. McCall and Er Marcus Sheets, Miami, Fla.
Application February 28, 1938, Serial No. 193,147
6 Claims. (Cl. 128—87)



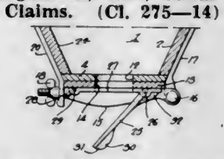
1. An apparatus of the kind described comprising an elongated frame including adjustably interfitted sections closed at their outer ends, an arm crutch adjustably fitting one closed end, a carrier on the frame and adjustably fitting the other closed end, a foot rest adjustably connected with the carrier and having a heel seat, an ankle clamp connected with the heel seat, a chest saddle on said frame and having adjustable securing straps, a spread bar transversely of the frame, a clamp adjustably connecting said bar to the frame and forming a columnar member, a second columnar member on said bar, segmental racking means on the columnar members, and flexible arched hip bows on the segments.

2,180,252
GARMENT HANGER
Joseph S. Milburn, Columbia, Mo.
Application October 21, 1938, Serial No. 236,359
2 Claims. (Cl. 223—91)



1. In a combined coat and trousers hanger formed of a single strand of wire its intermediate portion bent to form a trouser supporting bar and having one end portion extending upwardly and formed into a suspension hook and the other end portion twisted around the shank of the hook to reinforce said shank and bent downwardly in a position to bear against the trousers supporting bar to clamp a pair of trousers thereon, the extremity of said last named end portion being formed with an enlargement to provide an increased gripping area with the trousers.

2,180,253
AGRICULTURAL MACHINE
Eugene B. Moore, Swedesboro, N. J.
Application August 14, 1937, Serial No. 159,151
3 Claims. (Cl. 275—14)

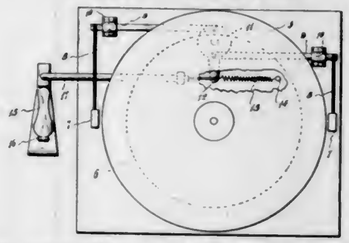


1. In a machine of the character described, an apertured plate, a series of brackets corresponding to each aperture in said plate secured at the underside thereof, a closure member for each aperture pivotally carried by each such bracket, and means on each of said closure members arranged to engage an overlying part of the machine and support the closure members at an acute angle to the plate below the apertures when in open relation thereto for the purpose of deflecting and spreading material discharged through said apertures.

2,180,254
DEVICE FOR GOVERNING THE FUEL PUMP OF A DIESEL RAM
Paul Pfeiffer, Hamburg-Altona, Germany
Application December 31, 1937, Serial No. 182,887
In Germany March 19, 1935
2 Claims. (Cl. 123—7)

1. In an internal combustion ram, a ram cylinder, a fuel pump having a cylinder fixed on the exterior of the ram cylinder intermediate its ends, said fuel pump having a reciprocable actuating member projecting from its lower end, said ram cylinder having an opening adjacent its lower end, a lever pivoted intermediate its ends in said opening and having one end engaging against the lower end of said actuating member, the lever having its other arm movable into and out of the space within the ram cylinder, and a piston reciprocable in said cylinder and freely rotatable therein, said piston acting upon its descent to cam the lever by engagement with the second mentioned arm thereof and thereby actuating the pump.

2,180,255
TRANSCRIBING APPARATUS
Arthur G. Previn, New York, N. Y., assignor to Electreporter, Inc., a corporation of Delaware
Application December 28, 1935, Serial No. 56,557
3 Claims. (Cl. 274—9)



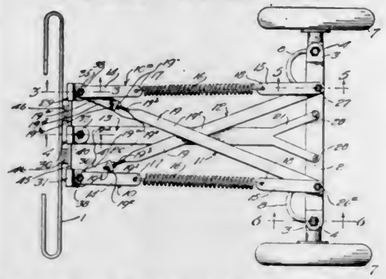
3. In transcribing apparatus, a rotating table, a record disposed thereon free to the influence of gravity so as to constantly contact the table

at such degree of friction as to turn with the table, gripping members at opposite sides of the record, means urging said members away from each other, means mounting the gripping members for direct reversal of the direction of their movement, a transcriber-controlled device connected to the first mentioned means to move the first mentioned means counter to its urge, said gripping members having friction surfaces constrained to movement in the extended path of rotation of the record and engageable with edge portions of the record with a degree of pressure sufficient to overcome said degree of friction to halt the record while the latter remains in its path of rotation and while the table continues to rotate in frictional contact with the record.

2,180,256
TEXTILE TREATING
Thomas A. Printon, South Orange, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application April 12, 1938, Serial No. 201,509
21 Claims. (Cl. 28—1)

1. In the treatment of fibrous materials, the step which comprises applying to fibrous materials a composition of matter comprising rice oil.

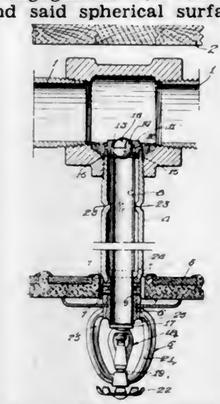
2,180,257
HITCH DEVICE
Henry H. Rollins, Phoenix, Ariz.
Application January 5, 1939, Serial No. 249,491
5 Claims. (Cl. 280—33.55)



1. A hitching device for a trailer comprising a pair of steering arms, each adapted to have one end connected with a wheel of the trailer, a non-resilient draw-bar element adapted to have its rear end fixed to the axle of the trailer, a pair of spaced parallel resilient coupling elements, a pair of adjustable coupling elements, spaced means for pivotally supporting corresponding ends of the pairs of coupling elements and the other end of the draw-bar element, a carried for coupling said spaced means together, means for hinging the carrier to a traction device, and means for pivotally connecting the other ends of the pairs of coupling elements to the other ends of said arms.

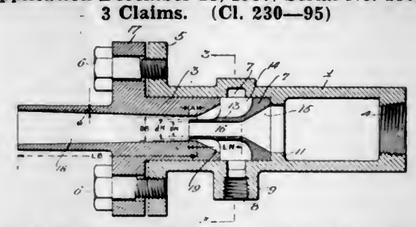
2,180,258
SPRINKLER SYSTEM
Arthur C. Rowley, Drexel Hill, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 9, 1938, Serial No. 223,970
7 Claims. (Cl. 169—41)

3. In a sprinkler system, a system pipe, a discharge duct of substantial length depending from said pipe, and means for sealing the upper end of said duct, said means comprising a terminal element at the upper end of said duct formed with a valve seat and with a diverging conical inner surface extending downwardly below said seat, an upwardly seating spherical valve element fitted to said valve seat, a tubular valve-supporting member slidable longitudinally in said duct, and a plurality of relatively small spherical elements supported by said inner tube in wedged engagement between the said valve element and said spherical surface to thereby



hold the valve to its seat, releasable means at the bottom of said duct for normally supporting the inner tube in the valve-retaining position, said tube being of greater diameter than the said spherical valve element whereby when said tube is released from said supporting means the said valve element and the relatively small spherical retaining elements may pass downwardly through the tube and from the lower end of the duct to thereby leave the tube substantially unobstructed for discharge of fluid from said pipe.

2,180,259
SUCTION MECHANISM
Richard B. Sargent, Philadelphia, Pa., assignor to The Hale Fire Pump Co., Inc., Conshohocken, Pa., a corporation of Pennsylvania
Application December 18, 1937, Serial No. 180,654
3 Claims. (Cl. 230—95)



1. A suction mechanism comprising an ejector connected to the exhaust of an internal combustion engine of known maximum brake horsepower which engine functions as a source of pressure fluid for operating the ejector, said ejector including a nozzle having a cylindrical passage through which the exhaust passes, a body member having a bore arranged in axial alignment with the nozzle passage and extending forwardly from the latter, said bore diverging towards its forward end and said nozzle being arranged with its forward end in proximity to the throat of said bore, and means providing a suction chamber outwardly of said nozzle and communicating with the rear end of said bore, said

nozzle structure conforming to the terms of the following formulae:

$$DN=\frac{\sqrt{\text{Maximum brake H. P. of engine}}}{15} \text{ to } \frac{\sqrt{\text{Maximum brake H. P. of engine}}}{30}$$

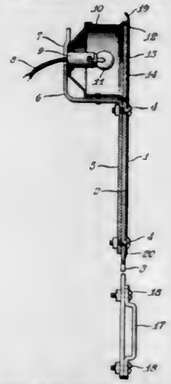
$LN=1\frac{1}{2}DN$ to $5DN$
$dN=DN+\frac{1}{32}''$ to $DN+\frac{1}{16}''$
$DB=1.3DN$ to $1.7DN$
$\theta=1°$ to $3°$
$A=0$ to .5DB
$LB=4.5DB$ to $10DB$

where DN is the diameter in inches of the nozzle passage, LN is the length of the nozzle passage, DB is the diameter of the throat of said bore, θ is the angle of divergence of said bore, A is the distance of the forward end of said nozzle from said throat in either direction axially of the bore, LB is the length of said bore, and dN is the thickness of the wall of the nozzle at the forward end thereof which lies in proximity to the throat of said bore.

2,180,260
WATER SOLUBLE CONDENSATION PRODUCTS CONTAINING PHOSPHORUS AND THEIR MANUFACTURE
Josef Schäfer, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application March 19, 1937, Serial No. 131,961. In Germany March 21, 1936
9 Claims. (Cl. 260—456)

1. A process for the manufacture of water soluble condensation products containing phosphorus, which comprises condensing a mixture of 1 mol. of a sulphonic acid of a monohydric phenolic body of the benzene series and at least ½ mol. of an unsulphonated monohydric phenolic body of the same class with at least one of the group consisting of phosphorus halides and phosphorus oxyhalides at temperatures over 120° C. and neutralizing.

2,180,261
SAFETY EMBLEM
Hugh Will Stephenson, Sheffield, and Thomas H. Burton, Florence, Ala.
Application November 5, 1938, Serial No. 238,954
6 Claims. (Cl. 40—130)

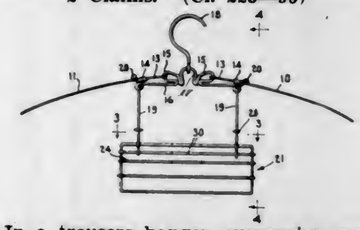


1. An emblem comprising, a plate formed with a window, a bracket connected to said plate, a housing mounted on said bracket and having an open front end engaging said plate and bounding said window, said front end of said housing provided with a seat adjacent said window, a lens mounted on said seat and covering said window, said bracket coacting with said plate to maintain said front end of said housing in engagement with said plate and said lens on said seat and a light source in said housing for illuminating said lens and accentuating said window to attract attention to said plate.

2,180,262
PROCESS FOR PREPARING METAL SULPHHYDRYL COMPOUNDS FROM KERATIN DEGRADATION PRODUCTS
Ernst Sturm, Berlin-Lankwitz, and Richard Fleischmann, Berlin, Germany, assignors to firma Johann A. Wulfing, Berlin, Germany
No Drawing. Application June 23, 1937, Serial No. 149,956. In Germany July 24, 1936
13 Claims. (Cl. 260—113)

1. A process for preparing metal sulphhydryl compounds from keratin degradation products consisting in reducing said keratin degradation products in aqueous solution with a substance selected from the group consisting of: sodium hydrosulphite, formaldehyde compounds of sodium hydrosulphite, alkaline earth metal hydrosulphite and formaldehyde derivatives of alkaline earth metal hydrosulphite, under conditions in the neighborhood of neutrality, allowing the mixture to stand in the absence of air, directly adding to the solution a water-soluble salt of a metal selected from the following group of metals: copper, arsenic, antimony, gold and silver in quantity sufficient to saturate the sulphhydryl groups, and separating the metal sulphhydryl compounds formed.

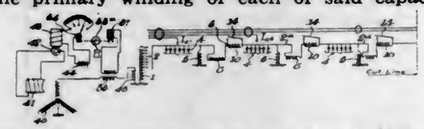
2,180,263
GARMENT HANGER
Albert B. Tammen, Floral Park, N. Y.
Application May 10, 1937, Serial No. 141,762
2 Claims. (Cl. 223—96)



1. In a trousers hanger, suspension members movable toward and away from each other, a plurality of sets of cooperative clamping members carried by said suspension members respectively to clamp the cuff ends of trousers therebetween, one of said sets of clamping members having portions which engage beneath the cuffs, while the cuffs are pressed between another set of clamping members, to aid in supporting the trousers, and means which cooperates with said suspension members to retain all of said sets of clamping members in clamping engagement with the cuff ends.

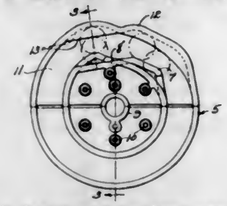
2,180,264
ELECTRIC POWER TRANSMISSION
Alfred Mills Taylor, Birmingham, England
Application March 23, 1936, Serial No. 70,488
In Great Britain March 29, 1935
2 Claims. (Cl. 172—237)

1. In a power transmission system, a polyphase power transmission line having substantial capacity to earth, a multiplicity of capacity neutralizing means spaced along the line and individual to each phase, each capacity neutralizing means including a primary winding and a secondary winding, a power source of alternating current connected to one end of said transmission line, a load connected to the other end of said transmission line, a reactance member inserted in the line adjacent each of the primary windings of said capacity neutralizing means, the primary winding of each of said capacity



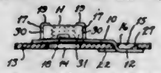
neutralizing means being connected between points on the transmission line and the earth in parallel with the capacity formed by the transmission line with respect to earth, and the secondary windings of each of said capacity neutralizing means being disposed in series with the transmission line, said primary and secondary windings being magnetically coupled with each other and said reactance members each having a value of reactance tending to increase the amplitude of the current through said primary windings.

2,180,265
KNITTING MACHINE CAM
John F. Thiel, Maple Shade, N. J.
Application December 15, 1937, Serial No. 179,980
2 Claims. (Cl. 66—82)



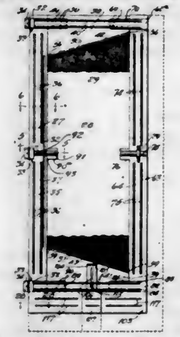
1. In a full fashioned hosiery machine, a variable motion operating mechanism including a truck roller and a longitudinally shiftable cam shaft, a multiple cam unit secured on said shaft and including a master cam and a plurality of superimposed cams to be selectively engaged by the truck roller, and a roof element forming a part of the master cam but surrounding all of the cams of the unit, said roof element being separately shaped in accordance with the peripheral contour of the master cam and the respective superimposed cams whereby to retain said truck roller in its working engagement with the respective cams.

2,180,266
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Original application December 22, 1938, Serial No. 247,158. Divided and this application May 29, 1939, Serial No. 276,309
7 Claims. (Cl. 85—32)



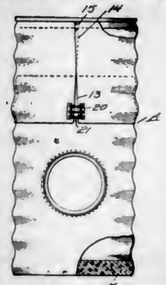
1. A fastener comprising a sheet metal strip, a nut, means for holding the nut on the strip, and means for securing said strip to a structure with the bolt receiving opening in said nut in substantial alignment with a bolt receiving opening in said structure for the passage of a threaded fastener, said last named means comprising a portion that extends through and substantially seals an aperture in said structure which is offset from said opening, and that underlies said structure, and has a prong extending out of the plane thereof for engaging the wall of said aperture.

2,180,267
DOOR STRUCTURE
Arthur A. Van Atta, Marion, Ohio
Application June 7, 1937, Serial No. 146,898
6 Claims. (Cl. 189—46)



1. A door structure comprising a unit adapted to have one side thereof hinged to a support, an adjustable unit for increasing the width of the door structure, said adjustable unit slidably engaging with said hinged unit, said units including coacting means for detachably securing the adjustable unit in normal and adjusted positions including mutually engaging slidable and securing ribs, an adjustable lower unit for increasing the length of the door structure, said lower unit including parts slidably engaging with said hinged and adjustable units, one of said parts being bodily movable with said adjustable unit, and said hinged and lower units having coacting means for maintaining the lower unit in normal and adjusted positions including an upstanding stem and an upwardly bent lower portion thereof for engaging parts of the sliding structures.

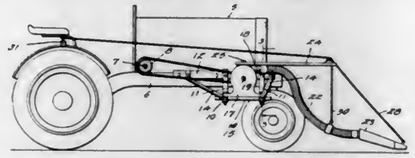
2,180,268
ADJUSTABLE CATCH BASIN
Ernest E. Ward, Harrison, Maine
Application April 4, 1939, Serial No. 266,028
1 Claim. (Cl. 182—2)



A device of the character described comprising

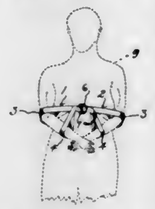
corrugated cylindrical sections adjustably interfitted with each other and having their corrugations engaged one with the other, one section being slit from end to end, the edges of the slit being diagonally across with respect to each other for presenting increasing and decreasing overlap and gap, respectively, between the ends with one end having a fixed side and the other end being enlarged or decreased in size, means adjustably connecting the edges of the slit next to the increasing or decreasing end thereof, a grate, a ring in the fixed end and accommodating the said grate, and a solid bottom and side extension nipple, respectively, on the other section.

2,180,269
ROAD CLEANING DEVICE
Charles Wisher, Spencerville, Ohio
Application November 29, 1937, Serial No. 177,167
1 Claim. (Cl. 15—20)



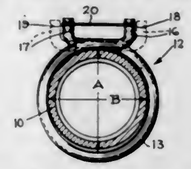
A device of the character described, comprising, a frame adapted to be mounted on a tractor, a member adapted to be secured to said tractor and provided with cable securing elements, air blast means on said frame, a nozzle arranged in advance and subjacent said means, a flexible conduit connecting said means to said nozzle, a pair of arms connected to said means and extending above said conduit, pulleys mounted on said arms, a quaternary of cables trained over said pulleys and having front and rear ends, said rear ends of said cables connected to said elements, the front ends of a pair of said cables connected to said nozzle whereby upon adjustment of their rear ends lateral adjustment of said nozzle is effected, the front end of another of said cables connected to said nozzle whereby adjustment of its rear end effects vertical adjustment of said nozzle, the front end of still another of said cables connected to said conduit whereby adjustment of its rear end effects vertical adjustment of said conduit thereby enabling said nozzle and conduit to be adjusted relative to a line of travel of said tractor.

2,180,270
ARM HOLDER
Frederick C. Anderson, Jr., Poughkeepsie, N. Y.
Application June 16, 1938, Serial No. 214,093
2 Claims. (Cl. 27—1)



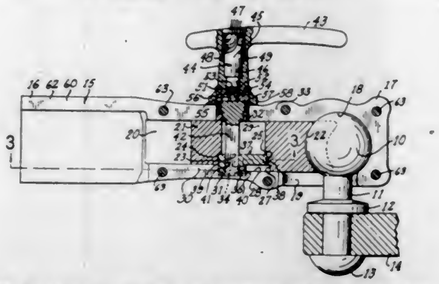
1. A device for holding the arms of a body being prepared for burial comprising a pair of sections, means for adjustably and detachably connecting the sections with each other, each section comprising a loop adapted to engage the arm above the elbow, and a loop carried by each of the first named loops and disposed in angular relation thereto and adapted to engage the arms below the elbows, as and for the purpose set forth.

2,180,271
HOSE CLAMP
Damiano Arras, New Britain, Conn.
Application March 9, 1939, Serial No. 260,833
3 Claims. (Cl. 24—256)



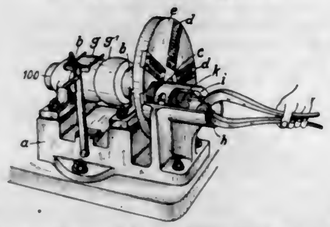
2. In a hose clamp, a single loop of spring-tempered wire, the mid-portion of which is in the form of a substantially circular body preformed to a smaller diameter than the hose to be clamped, said loop having juxtaposed overlapping end sections lying in a plane tangent to said circular body portion at the point of overlapping, to provide at least a 360° contact with the hose, the outer ends of said end sections extending outwardly from said circular body portion beyond the overlapping point so as to cause said loop to spread away from the hose without binding when the extremities thereof are pressed together with a tool for adjusting and removing said clamp.

2,180,272
TRAILER HITCH
Paul M. Bastuscheck, Hazleton, Pa.
Application August 5, 1937, Serial No. 157,615
5 Claims. (Cl. 280—33.15)



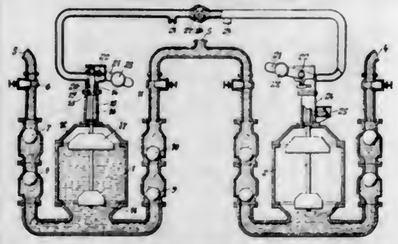
1. In a trailer hitch, a housing having a socket, a head movable into and out of the socket, a detent slidably mounted for rectilinear reciprocating movement in the housing toward and away from the socket to lock and unlock the head against movement into or out of the socket, said detent having a groove including spaced parallel side walls forming a camway extending transversely of the path of movement of the detent, a rockshaft carried by the housing and having an operating lever, a circular cam in the housing eccentrically mounted for rocking movement with the rockshaft and tangentially engaging the side walls of the camway for imparting said rectilinear reciprocating movement to the detent, said camway including an abutment wall disposed in the path of rocking movement of the cam so as to limit movement of the cam in either direction.

2,180,273
MACHINE FOR SPLITTING FIBERS
Ludwig Bayer, Nuremberg, Germany
Application March 29, 1937, Serial No. 133,748
In Germany December 5, 1936
7 Claims. (Cl. 300—2)



1. An apparatus for splitting the individual elements of bundles of fibrous material including a disk rotatable on a fixed axis and having a front face, a trough-like support fixed eccentrically of said disk, a carrier element adapted to grasp a bundle of fibrous elements, said carrier element being rotatable in said support, said support extending substantially at right angles to said front face, and a plurality of sets of splitting needles projecting from said front face.

2,180,274
PNEUMATIC EJECTOR PLANT
Harry Bentley, Huddersfield, England, assignor of one-half to W. C. Holmes & Company Limited, Huddersfield, England
Application June 23, 1938, Serial No. 215,489
In Great Britain June 30, 1937
9 Claims. (Cl. 103—238)



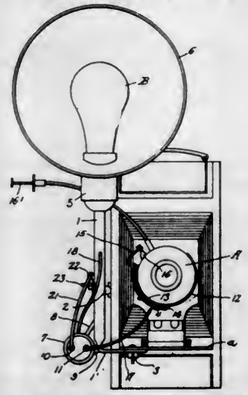
1. Pneumatic ejector plant for raising liquids comprising a pair of ejector vessels each having an inlet and an outlet, an air compressor of reversible type connected to said vessels to withdraw air from or deliver air to either vessel according to the direction of operation of the moving parts of the compressor, the air withdrawn from one vessel being delivered to the other vessel, and means responsive to liquid level conditions within the vessels for reversing the compressor.

2,180,275
BRACELET STRAP
Claude M. Boler, Topeka, Kans.
Application June 7, 1938, Serial No. 212,383
2 Claims. (Cl. 224—4)



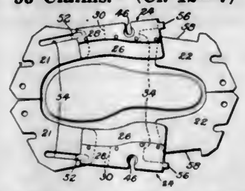
1. In a strap structure, a strap having connected inner and outer portions, said outer portion fashioned with an article supporting area and fashioned with slots on opposite sides of said area, and article attaching members having folded sections extending away from said area, one of said sections of each of said members extending between said portions and the other of said sections interwoven through said slots and provided with abutments engaging the edges defining said slots whereby to maintain said sections in attached condition between said portions.

2,180,276
FLASHLIGHT ATTACHMENT FOR CAMERAS
Jack Carroll, Rock Hill, S. C.
Application September 8, 1937, Serial No. 162,929
1 Claim. (Cl. 67—29)



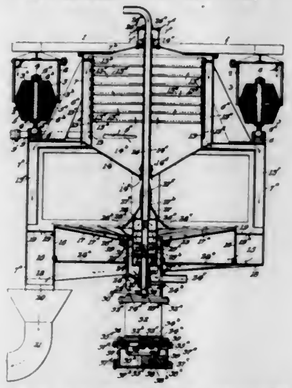
In combination with a camera having a lens barrel, a shutter mechanism carried by the barrel and an operating lever for the shutter, of circuit closing means including a spring band of arcuate shape frictionally fitting around a part of the barrel, a spring strip of arcuate shape having one end connected with the band and insulated therefrom and the rest of the strip being spaced from the band, a prong connected with the operating lever of the shutter and pressing a free end of the strip against the band when the lever is moved to open the shutter.

2,180,277
MACHINE FOR USE IN MANUFACTURING BOOTS AND SHOES
René E. Duplessis, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 4, 1935, Serial No. 43,567
53 Claims. (Cl. 12—7)



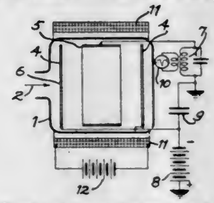
1. In a bed lasting machine, a toe head having opposite side portions constructed and arranged to extend rearwardly of a shoe in the machine, toe-lasting wipers mounted in the toe head, side-lasting wipers carried by the rearward extensions of the toe head, and a common actuator for the toe wipers and the side wipers.

2,180,278
MEANS FOR SEPARATING PARTICLES OF SOLID MATERIAL
Russell Scott Ellis, Vineland, N. J.
Application May 18, 1939, Serial No. 274,322
4 Claims. (Cl. 209—18)



1. In means for separating particles of solid material by flotation; the combination with a separator casing of circular configuration in a horizontal plane; of an inlet conduit for the material to be separated, extending laterally into the side of said casing; an outlet from said casing, for the lighter solid material; an outlet for the heavier material, at the bottom of said casing; a riffle table in said casing having an axial outlet therethrough and a circular series of riffle ridges, on its upper surface, in tangential relation with said outlet; said riffle ridges being disposed to centripetally direct the precipitated material toward its axial outlet; a flotation fluid conduit extending into said casing in coaxial relation with said table outlet, having lateral fluid vents above said table and having an annular spreader flange terminating in a horizontal lip at its perimeter over which the flotation fluid is distributed radially onto said table; whereby the lighter solid material is levitated centrifugally over the perimeter of said table and discharged through its casing outlet, and the heavier material is precipitated centripetally on said table and through its axial outlet in the table and from the casing, by said flotation fluid.

2,180,279
METHOD OF OPERATING ELECTRON MULTIPLIERS
Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application March 22, 1937, Serial No. 132,329
6 Claims. (Cl. 250—27)



1. The method of multiplying electrons emanating from a source which comprises multiplying electrons from said source at a low ratio for a relatively long time, and thereafter multiplying the resultant electrons at a high ratio for a relatively short time.

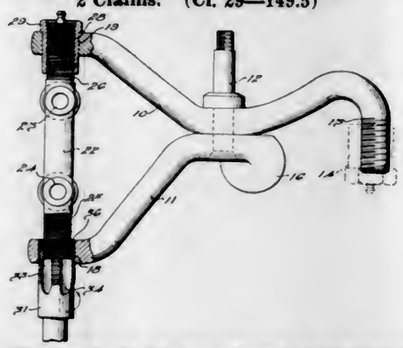
2,180,280
PERSPIRATION ACCELERATOR
Edward E. Henderson and David Olan Meeker, New York, N. Y., assignors, by mesne assignments, to Cutasy Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 20, 1936, Serial No. 106.537
5 Claims. (Cl. 167—62)

1. A perspiration accelerator for application externally to the human skin, comprising mineral oil within the limits 45% to 70%; petrolatum 13% to 25%; and waxes 20% to 35%.

2,180,281
CELLULOSIC ESTER COMPOSITION
Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 1, 1937, Serial No. 145,809
3 Claims. (Cl. 106—37)

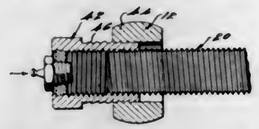
1. A composition of matter, a cellulose ester, containing as a plasticizer for said cellulose ester a mono N-cyclohexyl aromatic sulfonamide in which the aromatic nucleus is of the benzene series.

2,180,282
METHOD OF MAKING BEARINGS
John W. Leighton, Port Huron, Mich.
Application August 23, 1937, Serial No. 160,396
2 Claims. (Cl. 29—149.5)



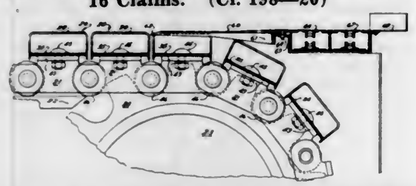
1. The method of manufacturing and pivotally assembling two parts of a structure wherein one part includes two like threaded pin portions substantially fixed relatively and the other part includes two openings substantially fixed relatively and into which the pin portions are adapted to project and at least one of which openings is larger than the pin portion therefor, which comprises establishing a threaded, pivotal bearing between said one pin portion and said one opening, threading a tubular tap having internal threads and external cutting threads wherein such threads have the same pitch and lead as the threads on the other pin portion onto such other pin portion and simultaneously causing the external threads on the member to cut threads in said other opening, removing the tap, and then threading an internally and externally threaded bushing into the opening wherein the internal and external threads on the bushing have the same relation as the internal and external threads on the tap.

2,180,283
METHOD OF MAKING BEARINGS
John W. Leighton, Port Huron, Mich.
Application May 11, 1938, Serial No. 207,341
8 Claims. (Cl. 29—149.5)



1. The method of manufacturing a threaded bearing assembly which comprises utilizing first, second and third members having surfaces disposed to be provided with respective internal and external threads so that one of the members can be threaded onto one of the other members and threaded into the other member; initially forming threads of like lead and pitch on all but one of the said surfaces; forming said one surface of a diameter intermediate the root and crest diameter of the threads on the cooperating surface; and simultaneously threading said members together so as to form the threads on the remaining surface by a flow of the metal thereof caused by the threads on the cooperating surface.

2,180,284
CONVEYER
George L. N. Meyer, Milwaukee, Wis.
Application December 9, 1936, Serial No. 114,899
16 Claims. (Cl. 198—20)



1. In a machine of the character described, a frame, a flat conveyer surface comprising a plurality of conveyer plates mounted in said frame each plate having a plurality of slots thereacross, said conveyer being adapted to convey containers through said machine, a take-off plate supported at one end thereof on the frame and supported at the other end on the top of the conveyer and fingers depending from said plate and into said slots to guide containers off the conveyer and onto said plate.

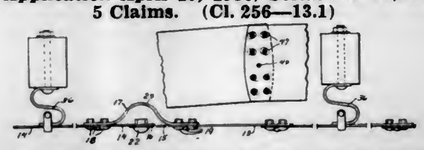
2,180,285
THERMOMETER
Charles R. Palmer, Glen Acres, Ohio, assignor to The Palmer Company, Norwood, Ohio, a corporation of Ohio
Application January 24, 1938, Serial No. 186,503
3 Claims. (Cl. 73—371)

2. A thermometer comprising a tube having a longitudinal bore therein, a reading face on said tube, a bulb for containing a reflective and thermally expansive fluid, and a color stripe comprising a plurality of color sections positioned on the tube parallel to the bore; said bore having a flattened surface so inclined with respect to the reading face and so oriented to the color stripe surface that the reflective and thermally expansive fluid rising in the bore will reflect



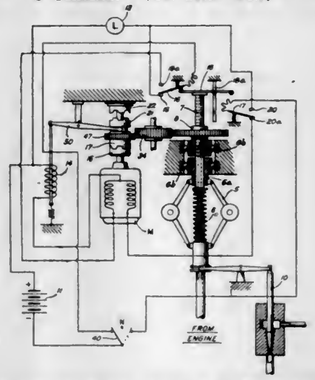
the color sections successively through the reading face.

2,180,286
ROAD GUARD
Ralph R. Roemer, Cleveland, Ohio, assignor, by mesne assignments, to Harry R. Canfield, Cleveland, Ohio
Application April 10, 1936, Serial No. 73,734
5 Claims. (Cl. 256—13.1)



1. In a hanger for supporting a road guard rail, a sheet metal spring bent in horizontal planes and having substantially parallel ends spaced apart, one end having a perforation for receiving a post bolt, the other end having recesses in the upper and lower edges thereof for receiving parts of a rail edge clamping device.

2,180,287
ROTATION CONTROL MECHANISM
Raymond T. Zwack, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application May 16, 1938, Serial No. 208,231
6 Claims. (Cl. 192—142)



1. The combination with a high speed motor and gear train, the latter having a clutch element rotatable therewith, of a friction brake and means for shifting said clutch element into operating relationship to said friction brake, the connection

to said brake being by means of a second clutch element engageable by said first-named clutch element and also constituting part of the friction brake, a pair of parallel members, each having arcuate friction surfaces engageable with said second-named clutch element, and means constantly exerting a pre-set degree of pressure upon said parallel members, the pressure upon one being in a direction opposite to that upon the other.

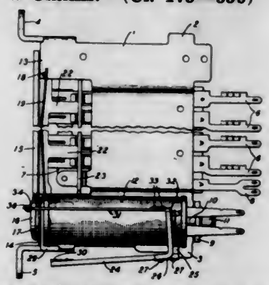
2,180,288

ELECTROMAGNET

William C. Beach, Bloomfield, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y., a corporation of New York

Application December 5, 1936, Serial No. 114,379

2 Claims. (Cl. 175—336)



1. In a magnetic structure, an energizing winding, a core extending through said winding, a pole-piece magnetically connected with said core, a main armature cooperating with said core and with said pole-piece, an auxiliary pole-piece magnetically connected with said core, an auxiliary armature cooperating with said auxiliary pole-piece, and a link extending between said armatures pivotally connected at one end to one of said armatures and connected at its other end to the other of said armatures by a spring hinge, said hinge being yieldable in the longitudinal direction of said link.

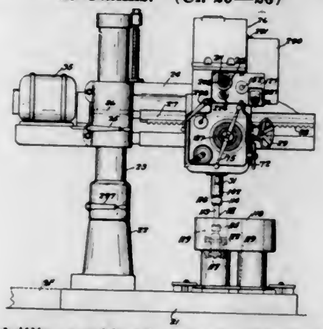
2,180,289

DRILLING AND HONING MACHINERY

Jack C. Carlton and Albert C. Spangenberg, Cincinnati, Ohio, assignors to The Carlton Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application July 25, 1938, Serial No. 221,133

25 Claims. (Cl. 29—26)



1. A drilling and honing machine including mechanical power trains for rotating and translating the tool spindle and hydraulically operated reciprocating means to reciprocatingly translate the tool spindle, and selector means to selectively operatively connect the mechanical power train for translating and the hydraulically operated means for reciprocatingly translating, with the tool spindle, for so translating the tool spindle.

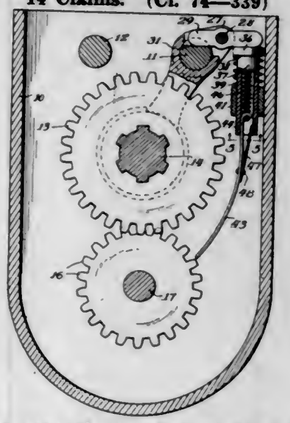
2,180,290

GEAR ABUTMENT ELIMINATOR

George R. Feigel, Chicago, Ill., assignor of twenty per cent to McLaughlin & Wallenstein, Chicago, Ill., a firm composed of John J. McLaughlin and Sidney Wallenstein

Application February 21, 1938, Serial No. 191,604

14 Claims. (Cl. 74—339)



14. In a gear abutment eliminator, the combination with a sliding gear, which is adapted to mesh with a second gear, of a shifting mechanism to cause movement of said sliding gear longitudinally of its axis, and means operated in response to normal movement of said shifting mechanism to impart rotary movement to said second gear to an extent sufficient to cause said sliding gear to mesh with said second gear, said means being brought into operation only when an abutment of said gears occurs.

2,180,291

ZINC BASE ALLOY

William H. Finkeldey, Hastings on Hudson, N. Y., assignor to The Edes Manufacturing Company, Plymouth, Mass., a corporation of Massachusetts

No Drawing. Application July 26, 1938, Serial No. 221,345

3 Claims. (Cl. 75—178)

1. As a new composition of matter, a zinc alloy containing from about .25 to 1.75% of aluminum, and from about .003 to .035% of magnesium, the remainder being high purity zinc containing at least 99.99% of zinc.

2,180,292

ZINC BASE ALLOY

William H. Finkeldey, Hastings on Hudson, N. Y., assignor to The Edes Manufacturing Company, Plymouth, Mass., a corporation of Massachusetts

No Drawing. Application July 26, 1938, Serial No. 221,346

7 Claims. (Cl. 75—178)

1. As a new composition of matter, a zinc alloy containing from about .10% to 1.75% aluminum, from about .001 to .035% magnesium and from about .002 to .25% manganese, substantially all of the remainder being high purity zinc containing at least 99.99% zinc.

2,180,293

ZINC ENGRAVING PLATE

William H. Finkeldey, Hastings on Hudson, N. Y., assignor to The Edes Manufacturing Company, Plymouth, Mass., a corporation of Massachusetts

Application July 26, 1938, Serial No. 221,347

12 Claims. (Cl. 101—401.1)



1. An engraving plate consisting essentially of high purity zinc containing at least 99.99% zinc, from .25 to 1.75% aluminum, and at least one metal from the group consisting of magnesium, manganese and copper within the following ranges of proportions: magnesium, .003 to .035%; manganese, .002 to .250%; copper, .01 to .20%.

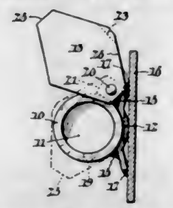
2,180,294

DEFECT CARD RECEPTACLE

Frederick W. Hankins, Philadelphia, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 25, 1938, Serial No. 221,162

3 Claims. (Cl. 40—19)



1. A card receptacle, to be affixed to a railway car wall in horizontal position, comprising a tubular metal casing permanently closed at one end, a bracket plate attached to said casing at one side of the casing having car-wall-engaging portions in a plane substantially parallel with the axis of the casing, and a movable cover for the other end of the casing pivoted to the casing at the top thereof, about an axis off-center with respect to the axis of the casing; said cover having a portion which when the bracket plate is affixed to a car wall and the cover is turned upward above the casing, to a position short of dead-center with respect to the pivot but leaving the casing end open, extends to one side of the casing to the plane of said wall-engaging portions of said bracket plate, so as to engage the car wall and stop the cover in such position.

2,180,295

METHOD OF PREPARING MELAMINE

David W. Jayne, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 7, 1939, Serial No. 260,329

8 Claims. (Cl. 260—248)

1. A method of preparing melamine which comprises heating dicyandiamid in the presence of a substance chosen from the group consisting of monoethanolamine and diethanolamine.

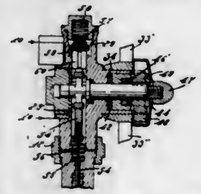
2,180,296

BOTTLE FILLING MACHINE VALVE

James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware

Application April 25, 1938, Serial No. 204,014

13 Claims. (Cl. 226—122)



1. The combination in a filling head of a valve body, a spindle rotatably mounted in said body, an annular flange on said valve body surrounding said spindle, a rotatable valve surrounding said spindle and arranged within said flange, a driving arm for said spindle mounted on said annular flange a driving connection between said driving arm and said spindle and a second driving connection between said spindle and said valve.

7. The combination in a filling head of a counter pressure tube and a liquid delivery tube, a reciprocating valve controlling the flow of liquid through said liquid tube and a rotary valve controlling the flow through said counter-pressure tube, and common actuating means for rotating said rotary valve and operating said reciprocating valve.

2,180,297

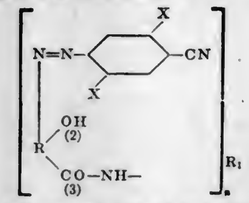
WATER-INSOLUBLE AZO DYESTUFFS AND FIBER DYED THEREWITH

Leopold Laska, Offenbach-on-the-Main, Arthur Zitscher, Kronberg in Taunus, and Rudolf Heil, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 11, 1937, Serial No. 158,618. In Germany August 12, 1936

12 Claims. (Cl. 260—204)

1. The water-insoluble azo dyestuffs of the following general formula:



wherein n stands for one of the numbers 1 and

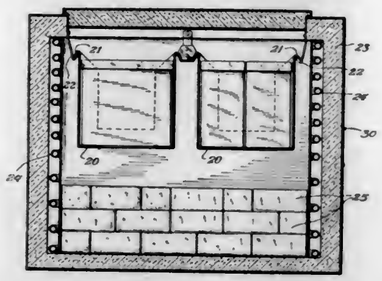
2, the X's stand for members of the group consisting of halogen, alkyl, alkoxy, phenoxy, trifluoromethyl, alkylsulfonyl and dialkylaminosulfonyl, R means a member of the group consisting of naphthalene, halogen substituted naphthalene, alkoxy substituted naphthalene, carbazole, benzocarbazole and anthracene, and R_1 a member of the group consisting of radicals of the benzene, naphthalene and diphenyl series, yielding, when produced on the fiber, orange to blue and brown dyeings of good fastness properties, particularly of very good fastness to light.

2,180,298

METHOD OF PACKAGING BULK FROZEN COMESTIBLES AND DISPENSING SAME

Homer W. Ohlhaver, River Forest, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application April 5, 1939, Serial No. 266,190
4 Claims. (Cl. 62—174)



1. The method of packaging bulk ice cream for dispensing from cartons which comprises segregating semi-frozen ice cream into masses of multiple units placing said masses in receptacles which are substantially filled by said masses of ice cream, and freezing the contents of said receptacles while retaining the predetermined contour of said receptacles, said receptacles being adapted to form a combined assembly having a predetermined contour.

2,180,299

PROCESS FOR THE PREPARATION OF ANTHRAQUINONE COMPOUNDS

Melvin A. Perkins, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 22, 1938, Serial No. 203,610
5 Claims. (Cl. 260—357)

1. In the preparation of a substantially pure compound of the class consisting of dibenzanthrone and isodibenzanthrone, the step which comprises agitating the crude compound at a temperature not exceeding 50° C. in sulfuric acid of a concentration in which the compound is substantially completely but not entirely dissolved until it is converted into large, readily filterable crystals.

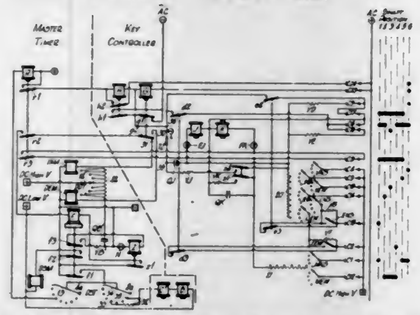
2. In the process for preparing a substantially pure compound of the class consisting of dibenzanthrone and isodibenzanthrone, the step which comprises agitating the crude compound at a temperature not above 50° C. in sulfuric acid of a concentration of 94.5 to 97.5%, until the product is converted into large crystals.

2,180,300

CONTROL SYSTEM

Alfred Percy Bailey Renshaw, Kingston Hill, England, assignor, by mesne assignments, to Automatic Telephone & Electric Company Limited, London, England

Original application January 19, 1935, Serial No. 2,480. Divided and this application May 5, 1937, Serial No. 140,873. In Great Britain February 5, 1934
6 Claims. (Cl. 172—293)



1. A synchronizing system for primary and secondary cyclically operating timers each having a plurality of operating positions in its cycle of operation, said secondary timer comprising a cyclic rotary stepping switch and electrical timing circuit means for operating said stepping switch step by step through its cycle, and a variable resistance in said timing circuit for varying the time period of stepping said switch, said system including a first relay, means in said primary timer for energizing said first relay in a predetermined position in its cycle, a second relay, means in said secondary timer for energizing said second relay in a certain position in the cycle of said secondary timer, means including contacts operated by said first and second relays responsive to said first relay being so energized before and remaining so energized until said second relay is so energized to vary said resistance by a unit amount to decrease correspondingly the time period of stepping of said switch, and means including contacts operated by said relays responsive to said second relay being so energized before said first relay to vary said resistance by a unit amount to increase correspondingly the time period of stepping of said switch.

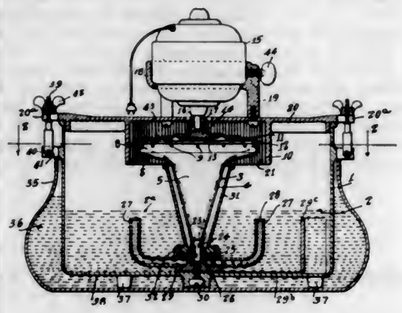
2,180,301

CENTRIFUGAL MACHINE FOR HOMOGENIZING

Howard L. Saylor, Los Angeles, Calif., assignor to Homogenizer Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application September 24, 1937, Serial No. 165,497
3 Claims. (Cl. 99—266)

1. In a centrifugal machine for reducing a mixture of liquid elements to a homogeneous state, the combination of a vessel having a chamber for holding said liquid elements, a centrifugal rotor mounted to rotate within the vessel on a substantially vertical axis, means for admitting the liquid from the chamber to the interior of said rotor, said rotor having outlet means above the level of the liquid in said chamber, means for rotating the rotor at a high velocity, and thereby causing the liquid to rise within the same and be projected violently outwardly by centrifugal force through the outlet means, and a baffle surrounding the rotor and against which the liquid is projected through said outlet means, said baffle having teeth extending in a general vertical direction and projecting toward the rotor, and against which the liquid impinges.

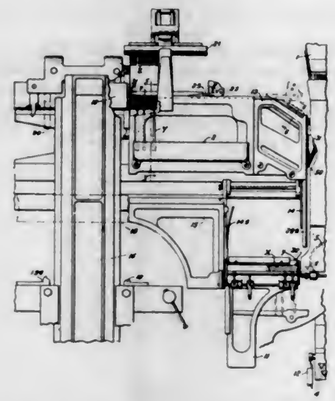


2,180,302

SPACER ELEMENT FOR TYPOGRAPHICAL MACHINES

Arthur G. Sperry, Hollis, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application June 13, 1939, Serial No. 278,855
24 Claims. (Cl. 199—22)



1. In a typographical machine having channels provided with opposed rails for the support thereon of expansible spacebands circulating edgewise through the channels, a non-expansible spacer element having means adapted to support it during circulation on said spaceband supporting rails.

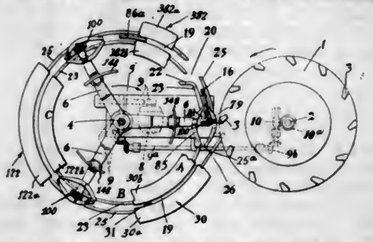
2,180,303

FISH TREATING MACHINE AND METHOD

Rudolf Baader, Lubeck, Germany

Application October 24, 1935, Serial No. 46,622
In Germany October 26, 1934
24 Claims. (Cl. 17—3)

5. In a machine for treating fish, means for moving the fish along a selected path past a plurality of stations, fish engaging means at one of said stations, and means at a plurality of the other stations for acting upon said fish, a plurality of said acting means being controlled by said engaging means in accordance with the fish length so engaged.

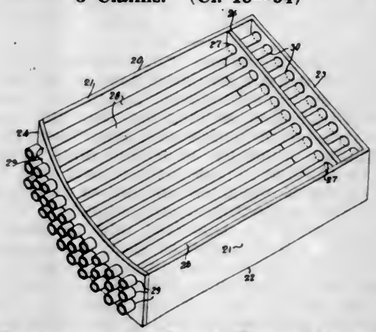


2,180,304

APPARATUS FOR MOLDING SPONGE RUBBER

Henry R. Minor, Dayton, Ohio, assignor to Industrial Process Corp., Dayton, Ohio, a corporation of New York

Application December 1, 1937, Serial No. 177,649
3 Claims. (Cl. 18—34)



1. In an apparatus for molding rubber articles comprising integral layers, a container having a removable wall, spaced apertures in said removable wall corresponding to spaced apertures in the wall opposite said removable wall, horizontally disposed supports inserted in said apertures for supporting rubber stack layers in superimposed spaced relationship, an additional member arranged between said apertured walls, and means on said additional member for holding said supports in spaced positions during the removal of said removable wall.

2,180,305

METHOD OF INSULATING PANELS

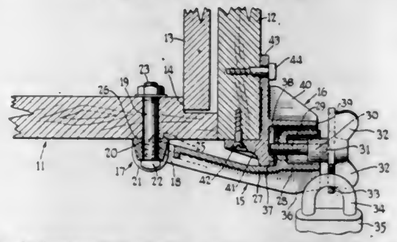
Edwin O. Groskopf, Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

No Drawing. Application November 30, 1935, Serial No. 52,345. Renewed April 12, 1939
2 Claims. (Cl. 154—28)

1. The method of uniting a layer of relatively impermeable fibrous sound deadening or vibration damping material to the surface of an impervious metal panel or the like, which comprises interposing between the said layer and the said surface a film of an aqueous emulsion of a waterproof substance, said emulsion containing an inverting agent to cause the emulsion to coalesce when 20 to 90% of its original water content still remains in the film, and subjecting the thus united sound deadening or vi-

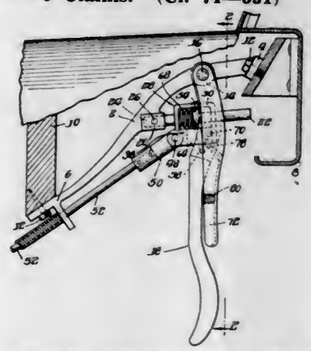
bration damping layer and the metal panel or the like to temperatures above 212° F., whereby said film will hold said layer against displacement from said surface during conversion into steam of said remaining water content of the film.

2,180,306
DOOR FASTENER
Samuel P. Hull, Yonkers, N. Y., assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Original application February 20, 1935, Serial No. 7,323. Divided and this application April 2, 1937, Serial No. 134,492
4 Claims. (Cl. 70—2)



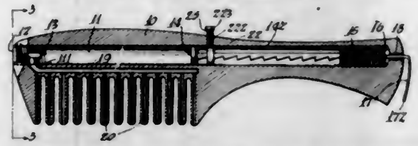
3. A fastening device of the nature of a hasp lock for securing a swinging door to its frame in closed position, said device comprising a hasp-element including a hasp member and a pivot plate member by which said hasp element may be mounted pivotally upon said door; a keeper element adapted to be secured to said door-frame in the path of movement of said hasp around its pivot; and a locking means including a screw device carried by the free end of said hasp member, and a wing-nut by which said screw device may be operated manually to cause snug engagement of said hasp with said keeper and of said door with its frame, and a padlock adapted to engage said wing-nut and be engaged with said hasp element, to hold said screw device against unauthorized operation, said keeper element formed with a wall obstructing access to the contacting end of said screw device.

2,180,307
BRAKE CONTROL MECHANISM
Millard B. Lucker, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan
Application December 13, 1937, Serial No. 179,379
9 Claims. (Cl. 74—531)



1. In a brake control mechanism having a brake applying member, the combination of a fixed bracket, a rod pivotally secured to said bracket, an operating member slidably mounted on said rod and connected to the brake applying member, detent means mounted on said operating member for locking said member and said rod against relative movement in a brake releasing direction, a lever connected to said operating member for moving said operating member in a brake applying direction, and releasing means mounted on said lever and engageable with said detent means for releasing said detent means from locking engagement with said rod.

2,180,308
FOUNTAIN COMB
Moses Marton, New York, N. Y.
Application October 22, 1935, Serial No. 46,088
18 Claims. (Cl. 132—13)



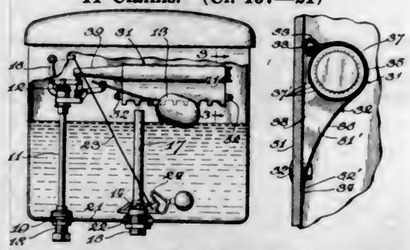
1. A fountain comb comprising a body; a plurality of hollow teeth, open at each end, therewith; a cavity within the body leading to said teeth; and means normally automatically tending to expel a liquid, within the hollow comb, through the teeth at a single stroke.

2,180,309
WELL WASHING DEVICE
Ode E. Melton, Burkburnett, Tex., assignor to said Ode E. Melton, as trustee for himself and Fonzo L. Pilkenton, Burkburnett, Tex.
Application July 8, 1937, Serial No. 152,632
11 Claims. (Cl. 166—20)



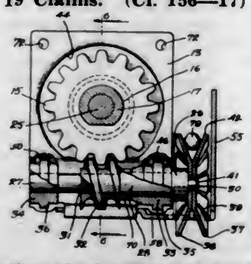
1. A well washing device comprising a barrel having upper and lower chambers therein, means for controlling communication between said chambers, said lower chamber having discharge openings at the upper portion of the periphery thereof, and means for circulating washing fluid from the well into the lower portion of the lower chamber below the discharge openings and lengthwise through the barrel to the discharge openings where said washing fluid is discharged back into the well.

2,180,310
SILENCER FOR FLUSHING TANKS
George H. Myrick, Rochester, Minn., assignor, by direct and mesne assignments, to Waino M. Kolehmainen, Evanston, Ill.
Application August 7, 1935, Serial No. 35,070
Renewed February 1, 1939
11 Claims. (Cl. 137—21)



1. A silencer for flushing tanks comprising means for spreading water supplied from the supply line of a flushing tank, means including a flushing tank member and an elongated casing having an open side adjacent the member and defining with the latter an elongated downwardly facing outlet for directing the spread of water into the flushing tank, and water spray means including an elongated perforated tube carried by and within said casing for dividing the water into a spray before it is supplied to the directing means.

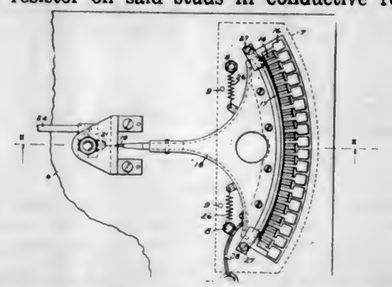
2,180,311
TILTING MECHANISM FOR VENETIAN BLINDS
Julius Nisenson, Brooklyn, N. Y., assignor to Master Venetian Blind Hardware Corp., New York, N. Y., a corporation of New York
Application May 17, 1937, Serial No. 143,060
19 Claims. (Cl. 156—17)



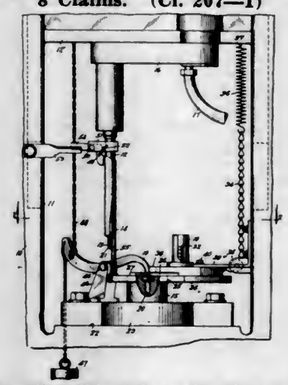
1. A Venetian blind tilting mechanism including: a casing having aligned orifices therein; a hub journalled in said orifices; a gear mounted on said hub and keyed thereto so that the gear rotates therewith, said gear being free to move longitudinally on said hub but restrained in such longitudinal movement by said casing.

2,180,312
ELECTRIC COMMUTATOR
Edward H. Stivender, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 4, 1936, Serial No. 77,669
3 Claims. (Cl. 201—55)

1. In control apparatus, a metallic panel having an aperture, a plate of insulating material fastened on said panel and covering said aperture, a resistor having a plurality of sections, a plurality of conductive studs extending through said plate and fastened therein, said studs being arranged in a plurality of adjacent concentric circular rows and having interleaved extensions penetrating through said aperture and insulated by air from each other and from said panel to form the segments of a commutator, said commutator presenting a cylindrical contact path and having means for supporting the sections of said resistor on said studs in conductive relation therewith, a conductive sector having a cylindrical contact surface arranged to engage said contact path, means for imparting to said sector a rocking movement on said contact path, spring means acting between said sector and said panel to prevent sliding movement of said sector on said contact path in directions in a plane parallel to said panel, and guide means for preventing movement of said sector in a direction perpendicular to said panel.



2,180,313
SLUG FEEDING MECHANISM FOR TUBE EXTRUDING PRESSES
George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application December 8, 1936, Serial No. 114,757
8 Claims. (Cl. 207—1)

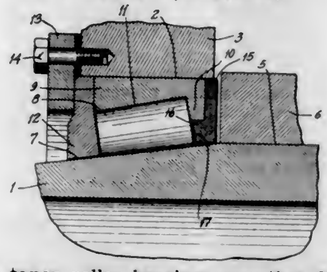


1. In a collapsible tube extruding press, a female die provided with a main cavity and with a greatly elongated narrower cavity communicating with the main cavity and having a closed bottom, means for feeding a slug into the main cavity, a vertically reciprocating plunger terminating in an elongated pin adapted to enter the elongated cavity, a spring-pressed tube gripping and releasing member carried by the plunger, means for operating the member to grip the tube extruded on the plunger at the beginning of the upward movement of the plunger, and means for operating the member to release the tube when the tube is to be stripped from the plunger.

2,180,314
SULPHONIC ACIDS OF AROMATIC COMPOUNDS
Charles A. Thomas, Dayton, Ohio, assignor to The Sharples Solvents Corporation, Philadelphia, Pa.
No Drawing. Application May 18, 1939, Serial No. 274,362
4 Claims. (Cl. 260—505)

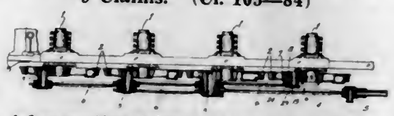
1. As new chemical compounds, compounds chosen from the class consisting of sulphonic acids of poly-aryl derivatives of paraffin hydrocarbons containing from 8 to 20 carbon atoms, and the alkali metal salts of such acids, said compounds being useful as washing, wetting and emulsifying agents.

2,180,315
BEARING FOR CROSSHEADS AND THE LIKE
Tracy V. Buckwalter, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application March 4, 1938, Serial No. 193,829
3 Claims. (Cl. 308—6)



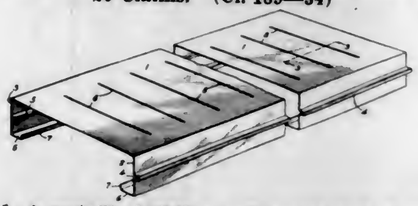
1. A taper roller bearing mounting for locomotive crossheads and the like comprising a rod having an opening in its end, a pin mounted in said opening with its end projecting beyond said rod, a taper roller bearing on said projecting portion of said pin including taper rollers and a bearing member having a thrust rib engaging the large ends of said rollers, the outer face of said thrust rib and bearing member being adjacent to said rod, and a friction plate covering the end face of said bearing member and thrust rib and extending into close proximity with said rod, said plate having an annular flange overlapping the periphery of said thrust rib.

2,180,316
LOCOMOTIVE RUNNING GEAR
Tracy V. Buckwalter, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application June 18, 1938, Serial No. 214,445
9 Claims. (Cl. 105—84)



1. A locomotive driving gear comprising a main and secondary driving axles, wheels fixed on said axles, a main rod, connecting rods, crank pins for the respective wheels and roller bearings for the respective pins, the front driving wheels having eccentrically located bores in which are mounted the outer raceway members of the bearings for the front crank pins, the connections of the front connecting rods with the front crank pins being axially shorter than the length of said roller bearings, the connecting rods of the front driving wheels being located inwardly of the main driving rods and substantially as close thereto and to the main driving wheels as is consistent with the need for mechanical clearance.

2,180,317
METAL DECKING
Clarke F. Davis, Short Hills, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application May 27, 1939, Serial No. 276,213
20 Claims. (Cl. 189—34)



1. A metallic building unit comprising a metallic span portion having at each of two opposite sides thereof a web, each metallic web having a tongue or groove adapted to engage with a groove or tongue respectively in a unit erected adjacent thereto, said tongue and groove each being arranged longitudinally of its web, the greatest thickness of the outside of the tongue being less than the greatest thickness of the inside of the groove by an amount substantially equal to twice the thickness of the web, each web having an end flange substantially parallel to the span portion, the end of each flange terminating in a strengthening edge portion.

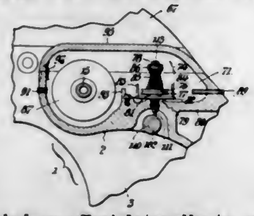
2,180,318
RAIL BOND
Edward M. Deems, Forest Hills, N. Y., assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application March 28, 1935, Serial No. 13,389
1 Claim. (Cl. 173—280)



The method of affixing one end of a stranded rail bond conductor to the ball of a rail having a shallow cavity formed therein, which consists in the step of assembling a terminal portion of said stranded conductor with a plug of substantially plastic metal, said assembly having an aggregate bulk less than the stereometric capacity of said cavity, the step of introducing said assembly to the cavity, and the step of exerting pressure against said plug in such a manner as to flow the metal of said plug into the interstices of said stranded conductor and directly against the end and side inner walls of said cavity.

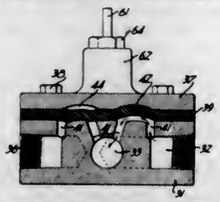
2,180,319
SEWING MACHINE
Hans Hacklander, Linden, N. J., and George Sauer, Berwyn, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 22, 1937, Serial No. 149,595
3 Claims. (Cl. 112—63)

1. In a sewing machine a frame with a work support and with a hollow horizontal portion at an elevation above said support; a shaft extending longitudinally through the elevated portion of the frame; spaced cross partitions affording intermediate bearings for the shaft and subdividing the hollow of the elevated portion into three aligned isolated chambers whereof the central



one is extended or offset laterally to one side of the shaft; needle operating mechanism in one of the end chambers; feed operating mechanism in the other end chamber; thread take up means on the portion of the shaft within the central chamber; and an associated yarn tension means disposed in the lateral offset of said central chamber.

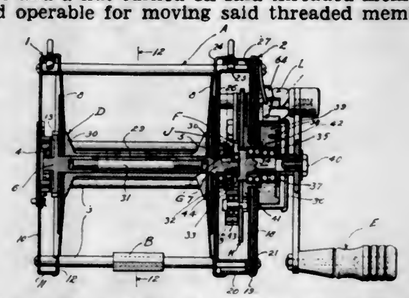
2,180,320
VALVE
Ernest A. Hansen, Oakland, Calif.
Application September 15, 1937, Serial No. 164,004
2 Claims. (Cl. 137—139)



1. A multi-way valve comprising a body having a substantially flat upper surface and passages extending radially inwardly from sides of said body, ports connected with said passages and opening out on said surface of the body, a head overlying said surface and having recesses to provide chambers connecting ports of one passage with ports of an adjacent passage, a diaphragm interposed between said head and body and adapted to seat over said ports, and means for admitting pressure fluid into a selected recess above the diaphragm to close the underlying ports.

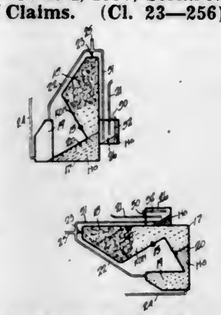
2,180,321
FISHING REEL
Oscar Kovalovsky and Arthur Kovalovsky, Los Angeles, Calif.
Application February 9, 1937, Serial No. 124,824
3 Claims. (Cl. 242—84.5)

2. A fishing reel comprising a frame including a gear case, a spool rotatable on said frame, a handle rotatable on said frame, driving and driven gears fixed for rotation with said handle and spool respectively, a disc rotatable in said case, a planetary gear supported by said disc and meshing with said driving gear, another planetary gear on said disc and meshing with said first named planetary gear and said driven gear, a friction shoe slidably mounted on said case for movement into and out of engagement with a side face of the disc, a spring urging said shoe away from said disc, a threaded member connected with said shoe and slidable relative to said case and a nut turned on said threaded member and operable for moving said threaded member



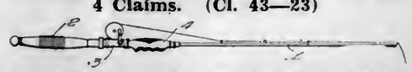
and maintaining it in a position regulating the degree of frictional contact of the shoe with said disc.

2,180,322
APPARATUS FOR ANALYZING A GAS
Philip T. Sprague and Charles A. Sprague, Michigan City, Ind.
Application June 4, 1937, Serial No. 146,452
6 Claims. (Cl. 23—256)



1. In a gas analyzer, a tiltable unit including a casing containing a gas absorbing agent, a gas measuring chamber, a sealed chamber containing an inert fluid, a gas passage including conduits leading to and from both of said chambers, a by-pass between said passage and casing, means for filling said measuring chamber with inert fluid to transfer gas in said measuring chamber to said casing and seal one conduit communicating with said measuring chamber upon tilting of said unit, said first named fluid sealing one of the conduits entering said sealed chamber upon said tilting, and means for measuring the extent of gas absorption in said casing.

2,180,323
FISHING ROD
James Farley Maxwell, Chickasaw, Ala.
Application August 16, 1938, Serial No. 225,229
4 Claims. (Cl. 43—23)



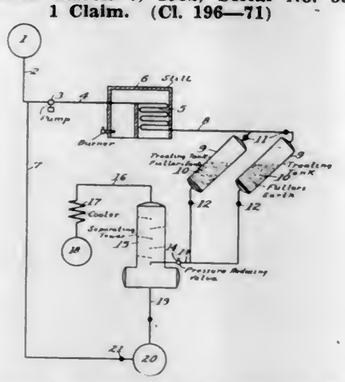
1. In a fishing rod, a forehand grip having a portion formed with a depending extension along its under portion, said grip having a rounded upper edge portion and downwardly converging side faces and the depending extension having a rounded under face and concaved side faces merging into the side faces of the grip and the rounded under edge face of the extension, said extension terminating in spaced relation to ends of the grip and having a shoulder at its front end for engagement by the index finger of a hand grasping the grip.

2,180,324

PROCESS FOR REMOVING GUM-FORMING AND COLOR-IMPARTING BODIES FROM CRACKED UNSATURATED HYDROCARBON OILS

Rudolph C. Osterstrom, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application March 7, 1932, Serial No. 597,140
1 Claim. (Cl. 196—71)



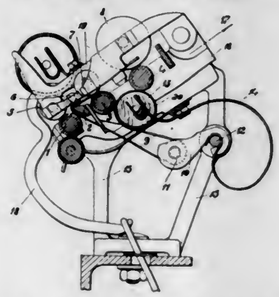
In a process for effecting the removal of gum-forming and color-imparting bodies from cracked low boiling unsaturated hydrocarbon oils, the step which consists in passing a solely petroleum liquid mixture of such oils and hydrocarbon polymers containing the aforesaid bodies through a heating zone wherein the mixture is heated in the liquid phase to a temperature of the order of 600° F. while maintained under pressures of the order of 1200 pounds per square inch.

2,180,325

DRAWING FRAME FOR TEXTILE FIBERS

Ernst Toenniessen, Munich, Germany

Application February 4, 1936, Serial No. 62,250
In Germany September 4, 1935
5 Claims. (Cl. 19—131)



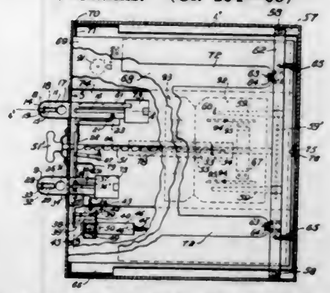
1. In roller apparatus having front, middle and back roller pairs for the drafting of textile fibrous material, an endless band passing through the middle roller pair nip, a non-rotatable tensioning weight within the loop of the endless band, such weight being pivotally borne and having tensioning movement only in the direction of the band length, lateral band-controlling flanges upon such weight with either of which flanges the adjacent end of the band may make frictional running contact, and a guide and supporting rail serving with the weight to support the endless band in adjusted position.

2,180,326

VENDING MACHINE

Isidore Alexander Traversy, Ottawa, Ontario, Canada

Application August 7, 1936, Serial No. 94,858
In Canada August 9, 1935
7 Claims. (Cl. 194—68)



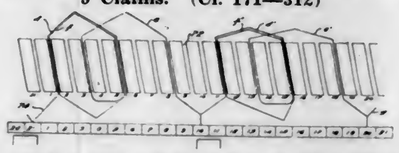
1. In a vending machine having a coin passage, an article ejecting mechanism and an operating rod therefor, coin-controlled means for locking the operating rod against movement comprising a slidable locking bar having a coin-engaging portion extending into the passage, means for forcing a coin deposited in the passage into contact with said portion to actuate the locking bar to unlock the operating rod for movement, a coin receptable having an opening adjacent the end of the passage, means adapted to engage a coin in the passage and move the same to the end of the passage and into said opening, and means carried by said operating rod and adapted on movement of the rod to actuate said last-mentioned means.

2,180,327

CONSTANT VOLTAGE GENERATOR

Harold E. Wilber, Detroit, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States

Application September 19, 1936, Serial No. 101,554
5 Claims. (Cl. 171—312)



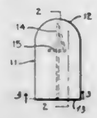
5. In a direct current generator for supplying an associated distribution circuit and adapted to be driven at any of a plurality of operating speeds, and having field poles and windings therefor, an armature, a commutator and brushes engaging said commutator and connected to said circuit, the combination of a winding on said armature wound to produce a substantial armature reaction in relation to the field established by said field windings, said brushes being positioned on said commutator in advance of the electrical neutral of the generator so as to produce a substantial demagnetizing field component in response to said armature reaction which opposes said field, said armature winding being of generally wave form having a plurality of coils the ends of each whereof are connected to said commutator, each said coil having first and second coil sides spaced apart less than 360 electrical degrees and having between said coil sides one or more turns of generally lap form.

2,180,328

CURTAIN PROTECTOR

George B. Carey, Regina, Saskatchewan, Canada, assignor of one-half to Elsie Florence Carey and one-half to Joseph Reuben Guildford, both of Regina, Saskatchewan, Canada

Application May 9, 1938, Serial No. 206,801
4 Claims. (Cl. 223—105)



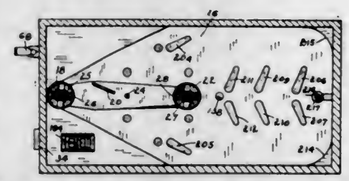
1. A curtain protector for covering the end of a curtain rod, comprising in combination a casing, said casing being open at one end and closed at its opposite end, a removable spring, said spring being completely enveloped by said casing and held in place by its own expansive means, said spring comprising a wire bent to the shape of a U having one leg bent in one direction at an angle of several degrees from parallelism with the other leg, a portion of said angular leg being bent in an opposite direction to a degree approximately perpendicular to the said other leg, the said other leg biased against a side wall of said casing and having its free end bent away from said side wall to form an entrance for the insertion of a wall of the curtain rod between said spring and casing.

2,180,329

GAME APPARATUS

Frank R. Chester, Seattle, Wash.

Substituted for abandoned application Serial No. 23,119, May 23, 1935. This application April 7, 1939, Serial No. 266,676
9 Claims. (Cl. 273—89)



1. In a baseball game apparatus the combination with an inclined playing deck having a pitching device, a receiving and returning device, power operated mechanism for ejecting a ball from said devices, and a manually operated swinging-bat, all located at the lower portion of the deck, of a plurality of ball retarding devices located on the deck and spaced at intervals in the path of movement of a ball projected from the bat.

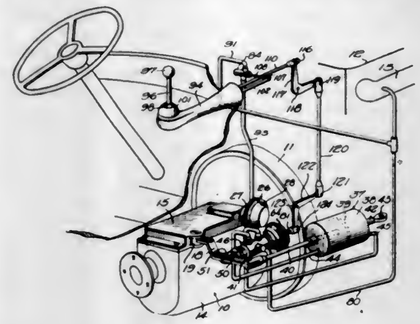
2,180,330

GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES

Henry W. Hey, Richmond, Va., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia

Application February 23, 1937, Serial No. 127,321
26 Claims. (Cl. 74—335)

1. The combination with a transmission having a shiftable transmission operating member movable in oposite directions from a neutral position into different transmission setting positions, of a differential fluid pressure motor connected to said shiftable member, a source of non-atmospheric pressure, a floating valve mechanism comprising a pair of freely independently movable valve members normally arranged in relative neutral positions connecting both ends of said motor to said source and operative when out of said relative neutral positions to connect either end of said motor to said source and the other to the atmosphere, means for moving one of said valve members out of its relative neutral



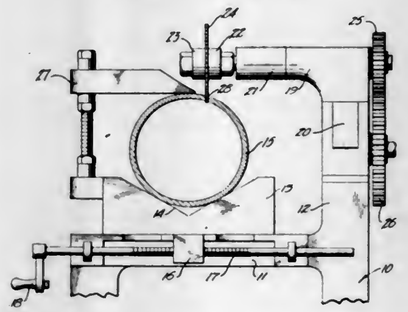
position with respect to the other valve member, means responsive to operation of said motor for moving said other valve member to tend to restore it to said relative neutral position, and means for resisting movement of said first named valve member in either direction from said relative neutral position, said last named means being constructed and arranged to be inoperative when said valve members are in relative neutral positions.

2,180,331

METHOD OF PERFORATING PIPE

Jess W. Hughes, Robert C. Hopkins, and Frank L. Odenbreit, Long Beach, Calif.

Application July 7, 1937, Serial No. 152,356
1 Claim. (Cl. 29—69)



A method of forming an under-cut slot in a cylindrical pipe or the like, which consists in placing the pipe in a fixed position with its longitudinal center laterally offset with relation to a cutter, said cutter acting to cut a slot through the wall of the pipe in a vertical plane offset from the vertical plane occupied by the longitudinal center of the pipe, thereafter turning the pipe end for end and fixing it with its longitudinal center in the same plane which it previously occupied and with the outer opening of the slots in the offset vertical plane of the cutter, then forming a second cut through said opening

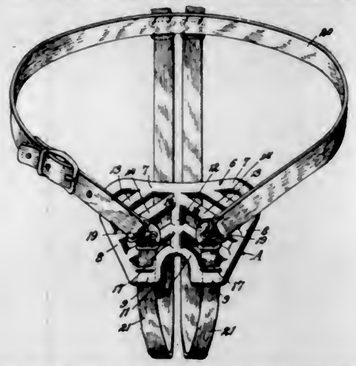
whereby an undercut slot will be completed having its side walls disposed at the same angle to a radial center line of the slot.

2,180,332
TRUSS

Walter A. Westphal, Hagerstown, Md., assignor to The Web Truss Company, Hagerstown, Md.

Application September 3, 1937, Serial No. 162,379
3 Claims. (Cl. 128—117)

1. In a molded truss pad of yieldable material, a continuous rim including a broad horizontally disposed upper section, a vertically spaced relatively narrow lower section including laterally spaced horizontal portions, and downwardly and inwardly inclined side sections joining said upper and lower sections, a medial rib vertically disposed and joining said upper and lower sections, and at least one downwardly and laterally inclined rib located at each side of said medial rib and joining it with the side section at that particular side, means for facilitating attachment of the pad with a mounting harness and including a web member secured to the inclined rib at each side of the medial rib, said laterally spaced horizontal portions each having an opening extending centrally vertically therethrough and aligned with the respective web members, and an upwardly projected positioning arch formed centrally in said lower section between the laterally spaced portions thereof and connected with said medial rib.



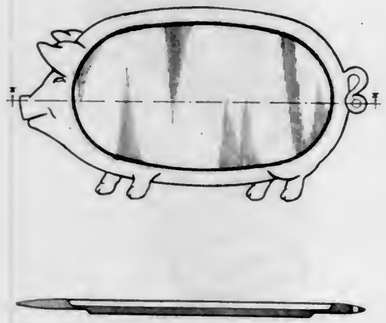
DESIGNS

NOVEMBER 14, 1939

117,549
DESIGN FOR A PLATTER OR SIMILAR ARTICLE

Reginald A. Barter, Chicago, Ill.

Application July 8, 1939, Serial No. 85,915
Term of patent 7 years



The ornamental design for a platter or similar article, as shown.

117,550
DESIGN FOR A MUG

Victor J. Bergeron, Oakland, Calif.

Application March 4, 1939, Serial No. 83,354
Term of patent 3½ years

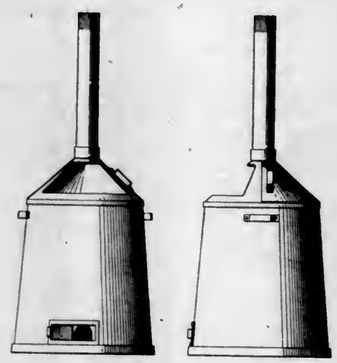


The ornamental design for a mug, substantially as shown.

117,551
DESIGN FOR A TRASH BURNER

Charles R. Blood, Sacramento, Calif.

Application March 8, 1939, Serial No. 83,432
Term of patent 14 years

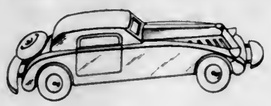


The ornamental design for a trash burner, as shown.

117,552
DESIGN FOR A WOODEN TOY AUTOMOBILE

Kay Bojesen, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y.

Application September 21, 1939, Serial No. 87,311
Term of patent 3½ years



The ornamental design for a wooden toy automobile, substantially as shown and described.

117,553
DESIGN FOR A WOODEN ROCKING HORSE

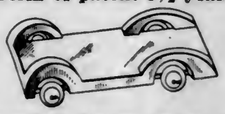
Kay Bojesen, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y.

Application September 21, 1939, Serial No. 87,313
Term of patent 3½ years



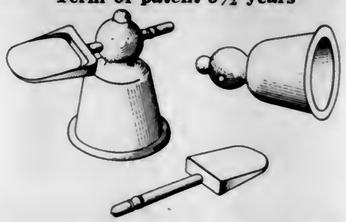
The ornamental design for a wooden rocking horse, substantially as shown.

117,554
DESIGN FOR A WOODEN TOY CHASSIS
Kay Bojesen, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y.
Application September 21, 1939, Serial No. 87,314
Term of patent 3½ years



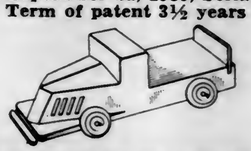
The ornamental design for a wooden toy chassis, substantially as shown and described.

117,555
DESIGN FOR A COMBINATION WOODEN SAND MOLD AND SHOVEL
Kay Bojesen, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y.
Application September 21, 1939, Serial No. 87,315
Term of patent 3½ years



The ornamental design for a combination wooden sand mold and shovel, substantially as shown.

117,556
DESIGN FOR A WOODEN TOY TRUCK
Kay Bojesen, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y.
Application September 21, 1939, Serial No. 87,316
Term of patent 3½ years



The ornamental design for a wooden toy truck, substantially as shown and described.

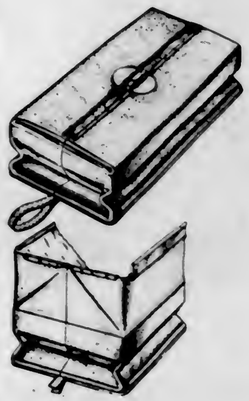
117,557
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
Franklin E. Karples, Poundridge, N. Y.
Application September 23, 1939, Serial No. 87,363
Term of patent 7 years





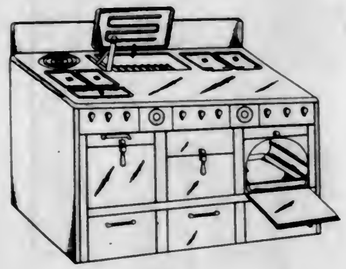
The ornamental design for a finger ring or similar article, as shown.

117,558
DESIGN FOR A BAG FOR TOILET ARTICLES
Charles Doppelt, Chicago, Ill.
Application August 1, 1938, Serial No. 79,004
Term of patent 7 years



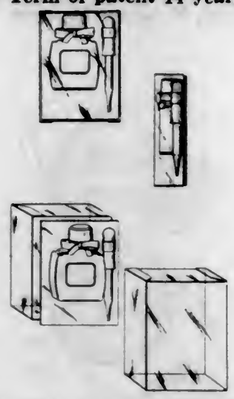
The ornamental design for a bag for toilet articles, as shown and described.

117,559
DESIGN FOR AN ELECTRIC STOVE
Sydney William Drury, Trail, British Columbia, Canada
Application May 12, 1939, Serial No. 84,957
Term of patent 7 years



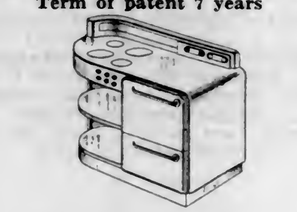
The ornamental design for an electric stove, as shown and described.

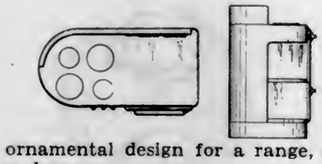
117,560
DESIGN FOR A COMBINED BOTTLE, APPLICATOR, AND CONTAINER THEREFOR
Evelyn Crosby Grullemans, Mentor, Ohio
Application April 20, 1939, Serial No. 84,438
Term of patent 14 years



The ornamental design for a combined bottle, applicator, and container therefor, substantially as shown and described.

117,561
DESIGN FOR A RANGE
Donald L. Hadley, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application September 15, 1939, Serial No. 87,237
Term of patent 7 years





The ornamental design for a range, substantially as shown.

117,562
DESIGN FOR A LIPSTICK CASE
Clara F. Harris, Kansas City, Mo.
Application May 1, 1939, Serial No. 84,705
Term of patent 14 years



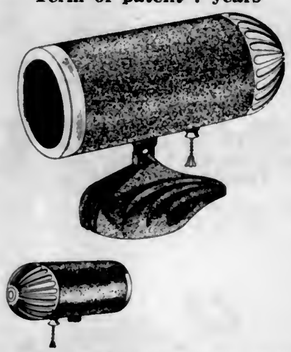
The ornamental design for a lipstick case, as shown.

117,563
DESIGN FOR A PIN
Harry Hartman, Los Angeles, Calif.
Application May 16, 1939, Serial No. 85,016
Term of patent 3½ years



The ornamental design for a pin, as shown and described.

117,564
DESIGN FOR AN OZONIZER
Siegfried Held, Chicago, Ill.
Application August 4, 1938, Serial No. 79,085
Term of patent 7 years



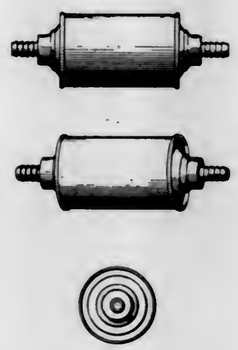
The ornamental design for an ozonizer, substantially as shown.

117,565
DESIGN FOR A BUCKLE
Fred Hirsh, New York, N. Y., assignor to Adjusta Company, a corporation of New York
Application August 5, 1939, Serial No. 86,477
Term of patent 14 years



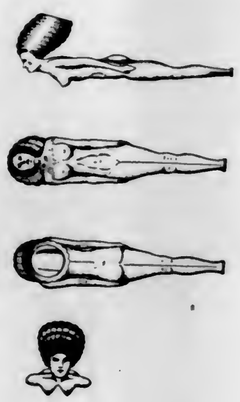
The ornamental design for a buckle, as shown and described.

117,566
DESIGN FOR AN AIR FILTER
Ernest F. Koehler, Berlin, Mass.
Application January 10, 1938, Serial No. 74,170
Term of patent 14 years



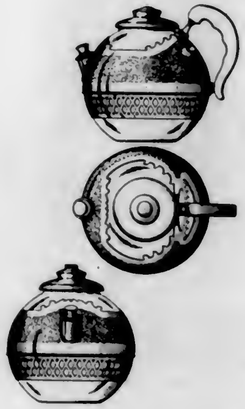
The ornamental design for an air filter, substantially as shown.

117,567
DESIGN FOR A TOBACCO SMOKING PIPE
John W. Kurtz, St. Louis, Mo.
Application August 7, 1939, Serial No. 86,526
Term of patent 14 years



The ornamental design for a tobacco smoking pipe, as shown.

117,568
DESIGN FOR A COFFEE MAKER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application June 24, 1939, Serial No. 85,670
Term of patent 14 years



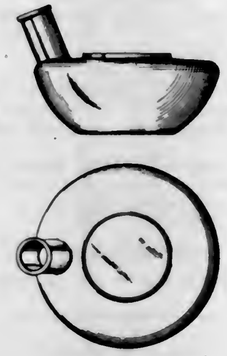
The ornamental design for a coffee maker, as shown.

117,569
DESIGN FOR A COFFEE MAKER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application June 24, 1939, Serial No. 85,671
Term of patent 14 years



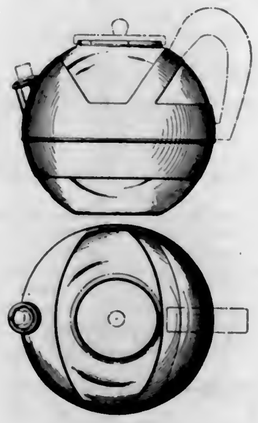
The ornamental design for a coffee maker, as shown.

117,570
DESIGN FOR A COFFEE MAKER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application June 24, 1939, Serial No. 85,672
Term of patent 14 years



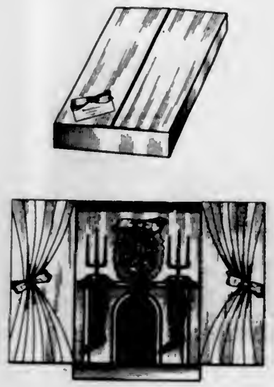
The ornamental design for a coffee maker, as shown.

117,571
DESIGN FOR A COFFEE MAKER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application June 24, 1939, Serial No. 85,673
Term of patent 14 years



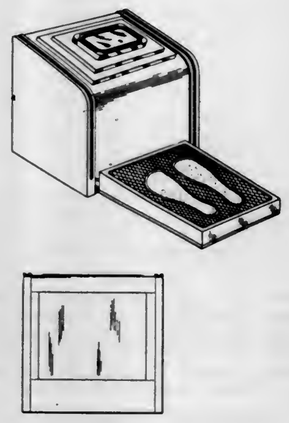
The ornamental design for a coffee maker, as shown.

117,572
DESIGN FOR A COMBINED BOX AND PERFUME CONTAINER
Florence N. Lewis, New York, N. Y.
Application August 2, 1939, Serial No. 86,404
Term of patent 3½ years



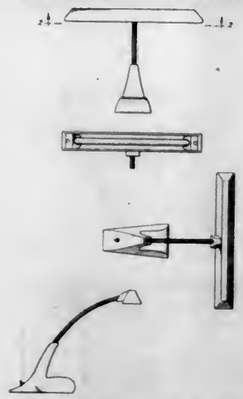
The ornamental design for a combined box and perfume container, as shown.

117,573
DESIGN FOR A VIBRATOR
John F. Meyer, Chicago, Ill., assignor to The Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1939, Serial No. 86,635
Term of patent 7 years



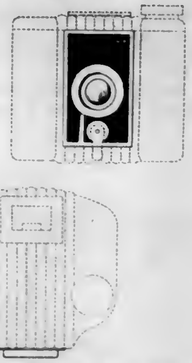
The ornamental design for a vibrator, as shown.

117,574
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Albert H. Murray, Buffalo, N. Y.
Application August 26, 1939, Serial No. 86,909
Term of patent 3½ years



The ornamental design for a lamp or similar article, substantially as shown.

117,575
DESIGN FOR A CAMERA
John B. Nelson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 23, 1939, Serial No. 83,169
Term of patent 3½ years



The ornamental design for a camera, as shown and described.

117,576
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,955
Term of patent 3½ years



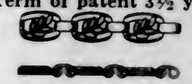
The ornamental design for a bracelet chain, as shown.

117,577
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,958
Term of patent 3½ years



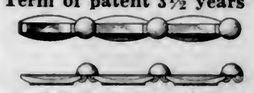
The ornamental design for a bracelet chain, as shown.

117,578
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,959
Term of patent 3½ years



The ornamental design for a bracelet chain, as shown.

117,579
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,962
Term of patent 3½ years



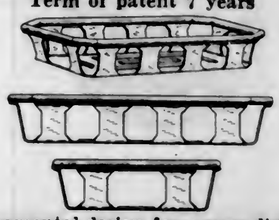
The ornamental design for a bracelet chain, as shown.

117,580
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,963
Term of patent 3½ years



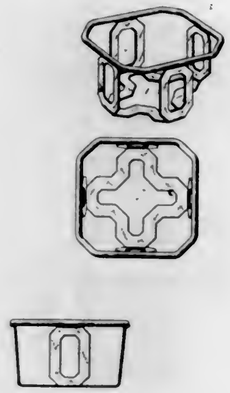
The ornamental design for a bracelet chain, as shown.

117,581
DESIGN FOR A SOAP DISH OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application September 7, 1939, Serial No. 87,074
Term of patent 7 years



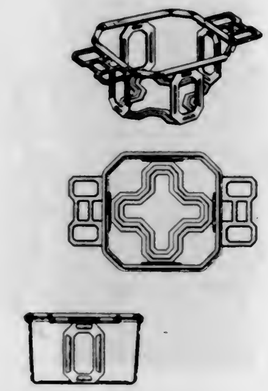
The ornamental design for a soap dish or similar article, substantially as shown and described.

117,582
DESIGN FOR A TUMBLER HOLDER OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application September 7, 1939, Serial No. 87,075
Term of patent 7 years



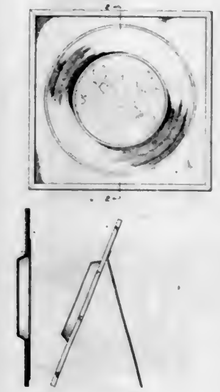
The ornamental design for a tumbler holder or similar article, substantially as shown.

117,583
DESIGN FOR A COMBINATION TUMBLER AND TOOTH BRUSH HOLDER OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application September 7, 1939, Serial No. 87,076
Term of patent 7 years



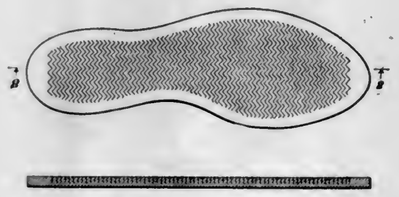
The ornamental design for a combination tumbler and tooth brush holder or similar article, substantially as shown.

117,584
DESIGN FOR A COMBINATION PICTURE AND MUSIC RECORD AND SUPPORT FOR SAME
Anton Sova, Euclid, Ohio
Application March 23, 1939, Serial No. 83,802
Term of patent 3½ years



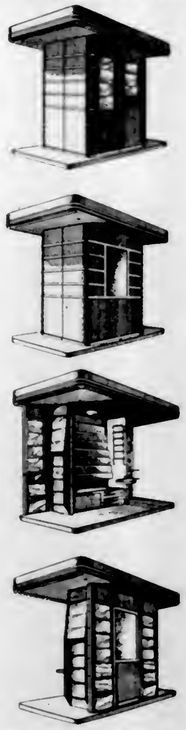
The ornamental design for a combination picture and music record and support for same, substantially as shown and described.

117,585
DESIGN FOR A SHOE SOLE
Paul A. Sperry, New Haven, Conn.
Application February 19, 1938, Serial No. 75,261
Term of patent 14 years



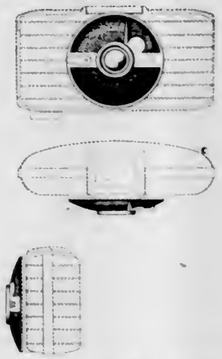
The ornamental design for a shoe sole, substantially as shown and described.

117,586
DESIGN FOR A NEWSSTAND
Sebastian J. Tauriello, Buffalo, N. Y.
Application July 21, 1939, Serial No. 86,171
Term of patent 14 years



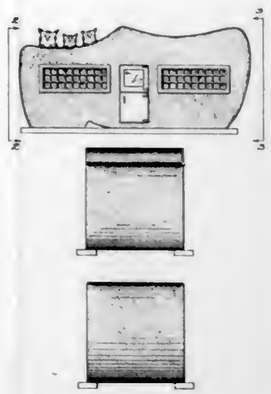
The ornamental design for a newsstand, as shown.

117,587
DESIGN FOR A CAMERA
Walter D. Teague, New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 1, 1939, Serial No. 83,275
Term of patent 3½ years



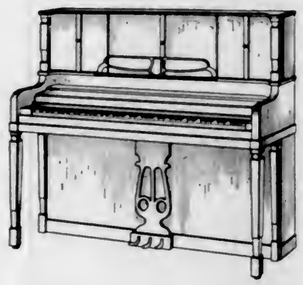
The ornamental design for a camera, as shown and described.

117,588
DESIGN FOR A STORE BUILDING
Anthony W. Vanderput, Los Angeles, Calif.
Application March 14, 1939, Serial No. 83,571
Term of patent 14 years



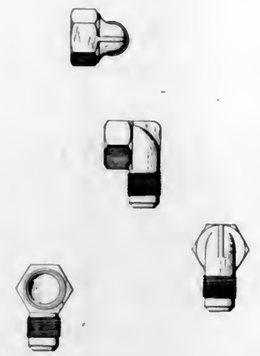
The ornamental design for a store building, as shown.

117,589
DESIGN FOR A COMBINED PIANO CASE, RADIO, PHONOGRAPH, AND MUSIC CABINET
Jeanne Keenan Webster, Galveston, Tex.
Application June 29, 1939, Serial No. 85,764
Term of patent 14 years



The ornamental design for a combined piano case, radio, phonograph, and music cabinet, as shown.

117,590
DESIGN FOR A PIPE COUPLING ELBOW
William R. Wilson, Detroit, Mich.
Application March 27, 1939, Serial No. 83,857
Term of patent 7 years



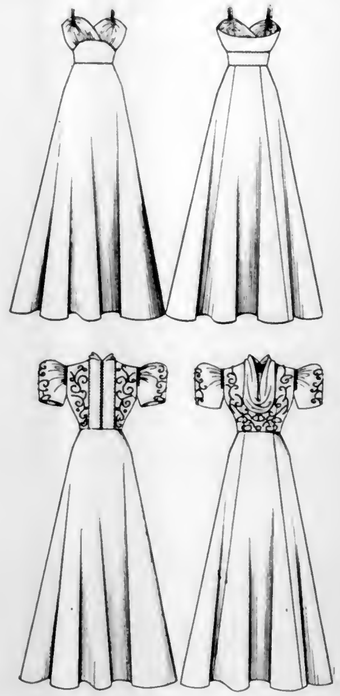
The ornamental design for a pipe coupling elbow, substantially as shown.

117,591
DESIGN FOR A LEATHER OR SIMILAR ARTICLE
Pasquale Borda, New York, N. Y.
Application September 28, 1939, Serial No. 87,399
Term of patent 3½ years



The ornamental design for a leather or similar article, substantially as shown.

117,592
DESIGN FOR A DRESS ENSEMBLE
Alice Engel, New York, N. Y.
Application October 23, 1939, Serial No. 87,805
Term of patent 3½ years



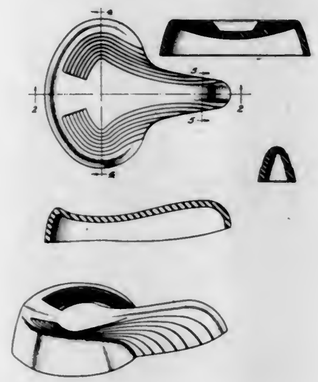
The ornamental design for a dress ensemble, substantially as shown.

117,593
DESIGN FOR A DOLL
Evelyn L. Menger, Ardmore, Pa.
Application July 22, 1939, Serial No. 86,189
Term of patent 3½ years



The ornamental design for a doll, substantially as shown.

117,594
DESIGN FOR A CYCLE SADDLE SEAT
John Gordon Rideout, Cleveland, Ohio, assignor to Junior Toy Corporation, Hammond, Ind.
Application May 19, 1939, Serial No. 85,081
Term of patent 14 years



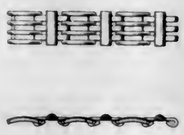
The ornamental design for a cycle saddle seat, substantially as shown.

117,595
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,951
Term of patent 3½ years



The ornamental design for a bracelet chain, as shown.

117,596
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,954
Term of patent 3½ years



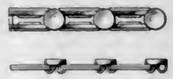
The ornamental design for a bracelet chain, as shown.

117,597
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,956
Term of patent 3½ years



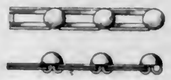
The ornamental design for a bracelet chain, as shown.

117,598
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,960
Term of patent 3½ years



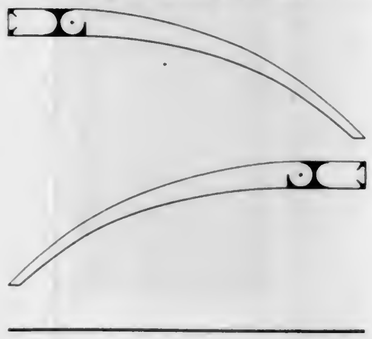
The ornamental design for a bracelet chain, as shown.

117,599
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,961
Term of patent 3½ years



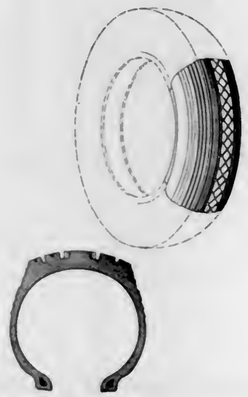
The ornamental design for a bracelet chain, as shown.

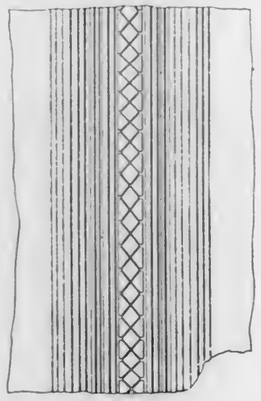
117,600
DESIGN FOR A DEVICE FOR TEACHING GOLF
John J. Schneider, Buffalo, N. Y.
Application June 24, 1939, Serial No. 85,677
Term of patent 3½ years



The ornamental design for a device for teaching golf, as shown.

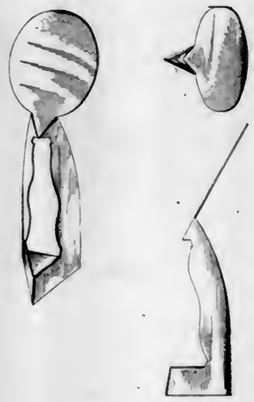
117,601
DESIGN FOR A TIRE CASING
Francis J. Snyder, West Haven, Conn., assignor to The Armstrong Rubber Company, Incorporated, West Haven, Conn., a corporation of New Jersey
Application January 21, 1939, Serial No. 82,507
Term of patent 7 years





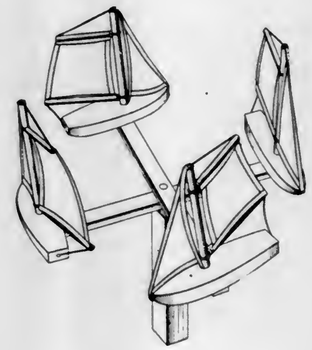
The ornamental design for a tire casing, substantially as shown.

117,602
DESIGN FOR A BOTTLE DISPLAY CARD
Frederick A. Sunderhauf, Rutherford, N. J., and Frank W. Broderick, New Brighton, N. Y., assignors to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application September 9, 1939, Serial No. 87,108
Term of patent 3½ years



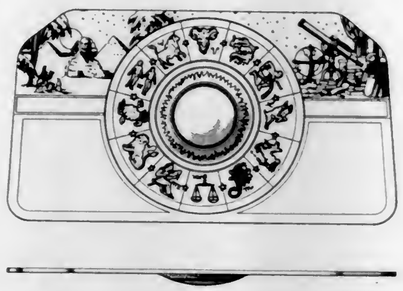
The ornamental design for a bottle display card, as shown.

117,603
DESIGN FOR A TOY WIND-OPERATED DEVICE
Fridolf E. Thoren, Chicago, Ill.
Application August 3, 1939, Serial No. 86,442
Term of patent 7 years



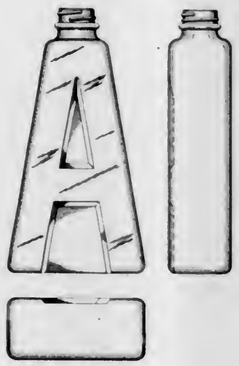
The ornamental design for a toy wind-operated device, as shown.

117,604
DESIGN FOR A SCALE PANEL
John Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill.
Application September 5, 1939, Serial No. 87,044
Term of patent 14 years



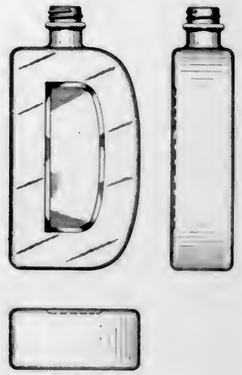
The ornamental design for a scale panel, substantially as shown.

117,605
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,929
In Canada August 31, 1938
Term of patent 14 years



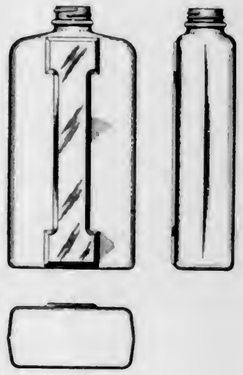
The ornamental design for a bottle, as shown and described.

117,606
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,930
In Canada August 31, 1938
Term of patent 14 years



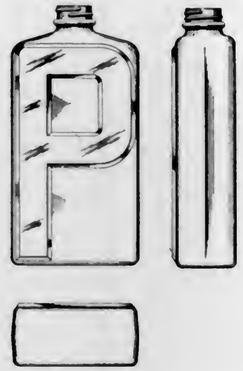
The ornamental design for a bottle, as shown and described.

117,607
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,933
Term of patent 14 years



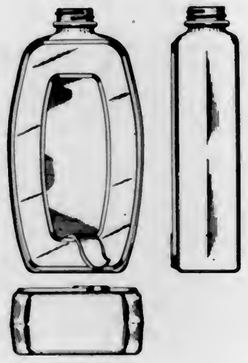
The ornamental design for a bottle, as shown and described.

117,608
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,937
Term of patent 14 years



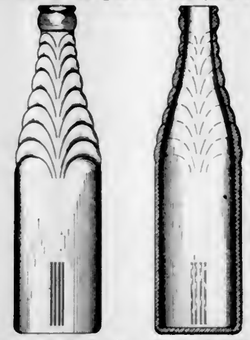
The ornamental design for a bottle, as shown and described.

117,609
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,938
Term of patent 14 years



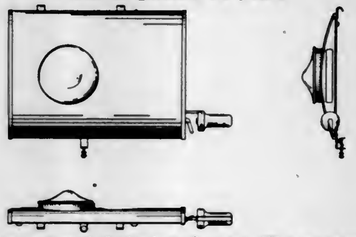
The ornamental design for a bottle, as shown and described.

117,610
DESIGN FOR A BOTTLE
Thomas D. D'Addario, New York, N. Y., assignor to Nehi Corporation, Columbus, Ga., a corporation of Delaware
Application July 5, 1939, Serial No. 85,853
Term of patent 14 years



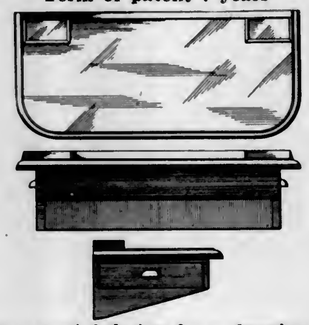
The ornamental design for a bottle, as shown.

117,611
DESIGN FOR AN X-RAY CASSETTE TUNNEL
Donald A. Eddy, Park Hills, Ky., assignor to The Kelley-Koett Manufacturing Company, Incorporated, Covington, Ky., a corporation of Ohio
Application March 13, 1939, Serial No. 83,530
Term of patent 14 years



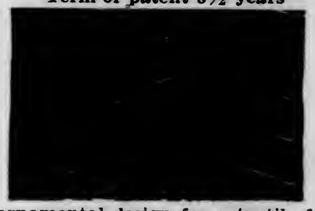
The ornamental design for an X-ray cassette tunnel, substantially as shown.

117,612
DESIGN FOR A DRESSING TABLE OR SIMILAR ARTICLE
Garnet C. Ellis, Baltimore, Md.
Application August 21, 1939, Serial No. 86,811
Term of patent 7 years



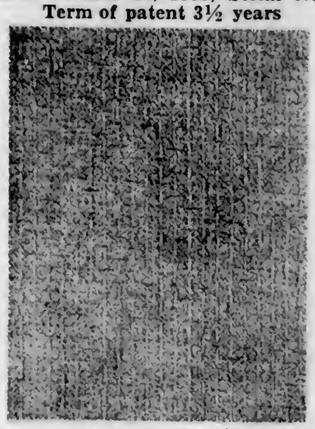
The ornamental design for a dressing table or similar article, as shown and described.

117,613
DESIGN FOR A TEXTILE FABRIC
Edward L. Espen, Elkins Park, Pa.
Application August 25, 1939, Serial No. 86,885
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

117,614
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application October 12, 1938, Serial No. 80,417
Term of patent 3½ years



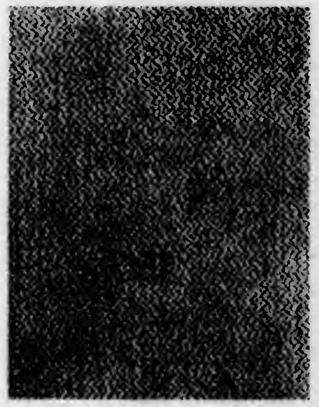
The ornamental design for a textile fabric, as shown and described.

117,615
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application October 12, 1938, Serial No. 80,419
Term of patent 3½ years



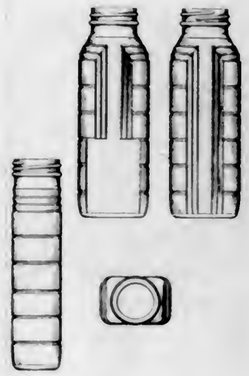
The ornamental design for a textile fabric, as shown and described.

117,616
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application October 24, 1938, Serial No. 80,638
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

117,617
DESIGN FOR A BOTTLE
Brooks D. Fuerst, Toledo, Ohio
Application August 25, 1939, Serial No. 86,887
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

117,618
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Benjamin Gordon, New York, N. Y.
Application August 30, 1939, Serial No. 86,942
Term of patent 3½ years



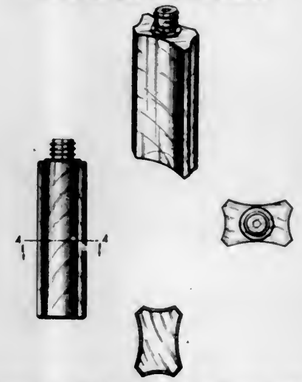
The ornamental design for a textile fabric or similar article, substantially as shown.

117,619
DESIGN FOR A TEXTILE FABRIC
Joseph A. Krasnov, Philadelphia, Pa.
Application September 6, 1939, Serial No. 87,062
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

117,620
DESIGN FOR A BOTTLE
Jacques Manoha, New York, N. Y., assignor to Houbigant, Inc., New York, N. Y., a corporation of New York
Application July 21, 1939, Serial No. 86,162
Term of patent 14 years



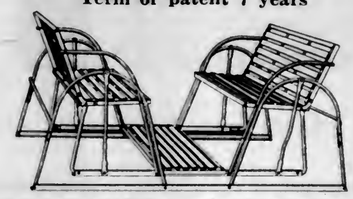
The ornamental design for a bottle, as shown.

117,621
DESIGN FOR A HEAT INSULATED JUG
Eugene Schwarz, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application May 22, 1939, Serial No. 85,126
Term of patent 14 years



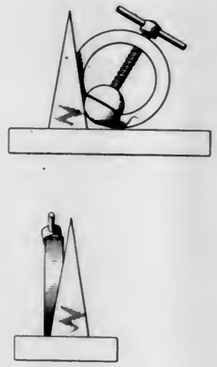
The ornamental design for a heat insulated jug, substantially as shown.

117,622
DESIGN FOR A SWING
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application September 13, 1939, Serial No. 87,200
Term of patent 7 years



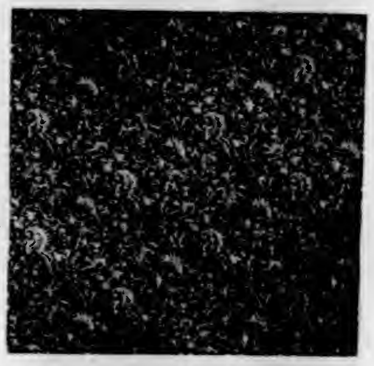
The ornamental design for a swing, as shown.

117,623
DESIGN FOR A SOUVENIR NUTCRACKER
Pierre Tourian, New York, N. Y.
Application March 28, 1939, Serial No. 83,872
Term of patent 3½ years



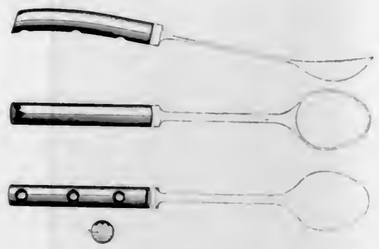
The ornamental design for a souvenir nutcracker, as shown.

117,624
DESIGN FOR A CARPET OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application October 5, 1939, Serial No. 87,526
Term of patent 7 years



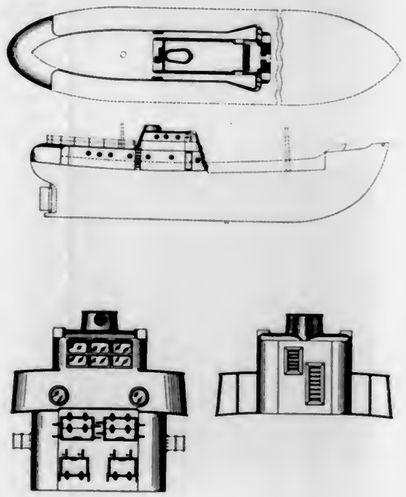
The ornamental design for a carpet or similar article, substantially as shown.

117,625
DESIGN FOR A CULINARY SPOON OR SIMILAR ARTICLE
Max Brandt, Brooklyn, N. Y.
Application July 28, 1939, Serial No. 86,288
Term of patent 7 years



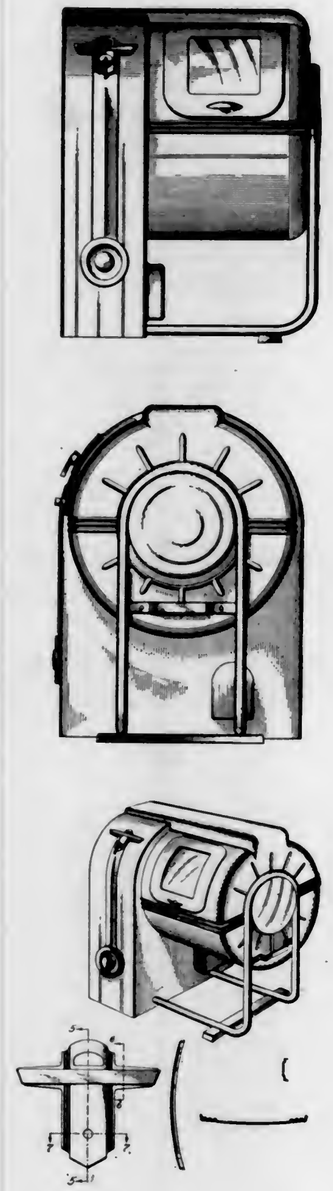
The ornamental design for a culinary spoon or similar article, substantially as shown and described.

117,626
DESIGN FOR A TRAWLER OR THE LIKE
Isidore Bromfield, Waban, Mass.
Application February 27, 1939, Serial No. 83,233
Term of patent 14 years



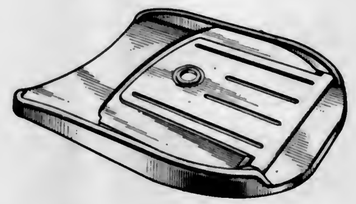
The ornamental design for a trawler or the like, substantially as shown and described.

117,627
DESIGN FOR A WASHING MACHINE CABINET
Hyman D. Brotman, Detroit, Mich.
Application September 30, 1939, Serial No. 87,446
Term of patent 14 years



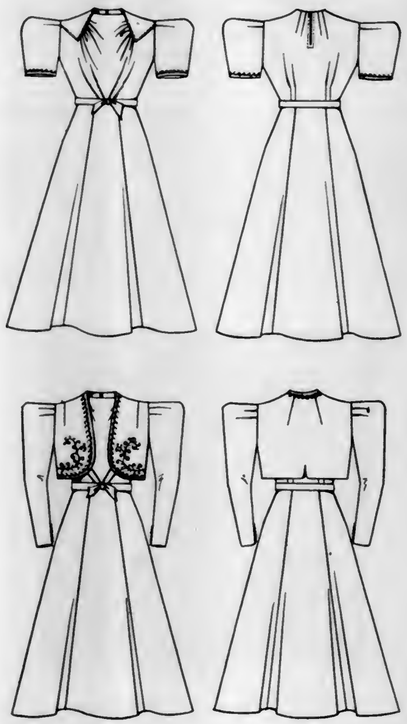
The ornamental design for a washing machine cabinet, as shown.

117,628
DESIGN FOR A COMBINED DRAIN BOARD AND DRIER COVER
Fred A. Conterman, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York
Application February 7, 1939, Serial No. 82,848
Term of patent 7 years



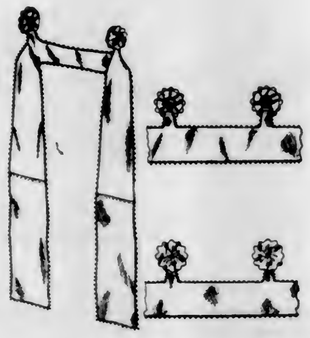
The ornamental design for a combined drain board and drier cover, substantially as shown.

117,629
DESIGN FOR A DRESS ENSEMBLE
Paulette Corday, New York, N. Y.
Application October 16, 1939, Serial No. 87,671
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

117,630
DESIGN FOR A COMBINED SCARF AND EAR MUFFS
Elizabeth Estel, Theodore Boonshaft, and Edmond Rovin, St. Louis, Mo.
Application May 24, 1939, Serial No. 85,186
Term of patent 3½ years



The ornamental design for a combined scarf and ear muffs, as shown.

117,631
DESIGN FOR A WOVEN TEXTILE FABRIC OR SIMILAR ARTICLE
Arthur Fluegelman, New York, N. Y., assignor to Riverdale Mfg. Co. Inc., New York, N. Y., a corporation of New York
Application October 12, 1939, Serial No. 87,637
Term of patent 7 years



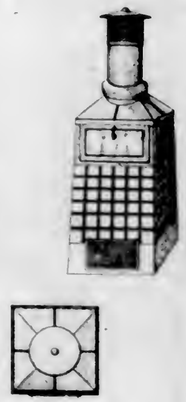
The ornamental design for a woven textile fabric or similar article, substantially as shown.

117,632
DESIGN FOR A TOY ANIMAL
Leopold Gottlieb, New York, N. Y.
Application February 3, 1939, Serial No. 82,761
Term of patent 3½ years



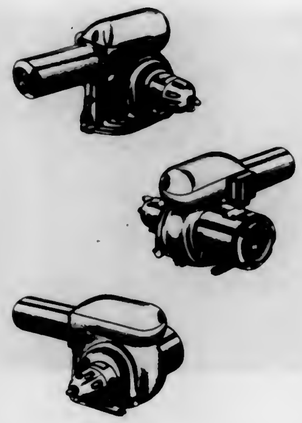
The ornamental design for a toy animal, as shown.

117,633
DESIGN FOR AN INCINERATOR
Leo G. Haase, Hollywood, Calif.
Application July 29, 1939, Serial No. 86,329
Term of patent 14 years



The ornamental design for an incinerator, substantially as shown and described.

117,634
DESIGN FOR AN OIL BURNER
Frank E. Herr, Lancaster, Pa.
Application September 7, 1939, Serial No. 87,082
Term of patent 14 years



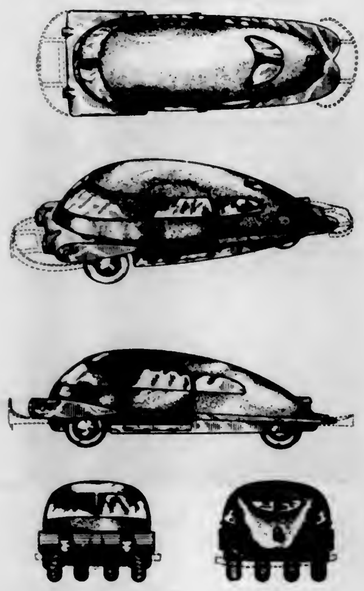
The ornamental design for an oil burner, as shown.

117,635
DESIGN FOR A DRESS
Louis L. Kashine, New York, N. Y.
Application October 16, 1939, Serial No. 87,668
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,636
DESIGN FOR AN AUTOMOBILE
Paul M. Lewis, Denver, Colo.
Application April 15, 1939, Serial No. 84,328
Term of patent 3½ years



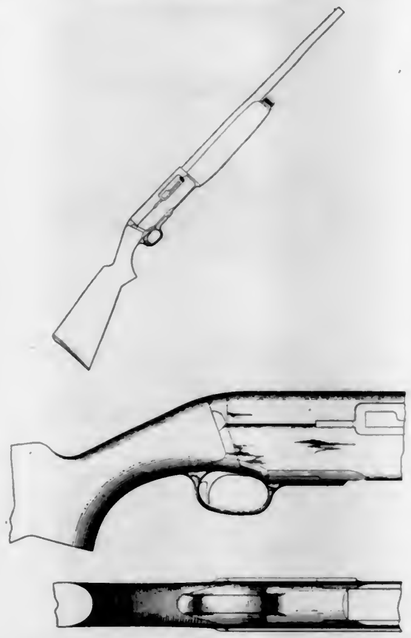
The ornamental design for an automobile, as shown.

117,637
DESIGN FOR A SKI BOOT
Peter Limmer, Jamaica Plain, Mass.
Application September 20, 1939, Serial No. 87,304
Term of patent 3½ years



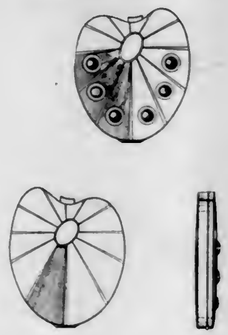
The ornamental design for a ski boot, as shown.

117,638
DESIGN FOR A FIREARM
Edwin Pugsley, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application December 30, 1938, Serial No. 82,075
Term of patent 14 years



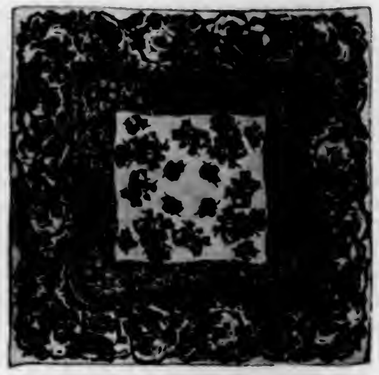
The ornamental design for a firearm, substantially as shown and described.

117,639
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Jeannette Rich, Chicago, Ill.
Application August 25, 1939, Serial No. 86,882
Term of patent 7 years



The ornamental design for a vanity case or similar article, as shown and described.

117,640
DESIGN FOR A HANDKERCHIEF
Max Joseph Rosen, Brooklyn, N. Y.
Application October 19, 1939, Serial No. 87,730
Term of patent 3½ years



The ornamental design for a handkerchief, as shown.

117,641
DESIGN FOR A HANDKERCHIEF
Max Joseph Rosen, Brooklyn, N. Y.
Application October 19, 1939, Serial No. 87,731
Term of patent 3½ years



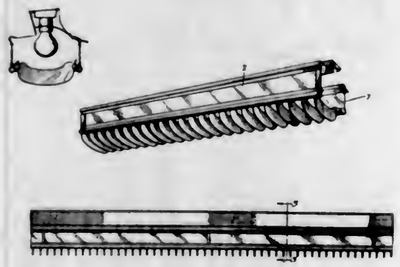
The ornamental design for a handkerchief, as shown.

117,642
DESIGN FOR TEXTILE FABRIC
Samuel E. Staines, Allendale, N. J.
Application May 4, 1939, Serial No. 84,787
Term of patent 3½ years



The ornamental design for textile fabric, as shown and described.

117,643
DESIGN FOR A LIGHTING FIXTURE UNIT OR SIMILAR ARTICLE
Lemuel L. Stewart, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application December 31, 1937, Serial No. 74,028
Term of patent 14 years



The ornamental design for a lighting fixture unit or similar article, substantially as shown and described.

117,644
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Roger Weiss, Brooklyn, N. Y., assignor to Primrose Tapestry Co. Inc., Rome, Ga., a corporation of Georgia
Application October 11, 1939, Serial No. 87,623
Term of patent 7 years



The ornamental design for a textile fabric or similar article, substantially as shown.

117,645
DESIGN FOR A COMBINATION WOODEN TEETHING RING AND RATTLE
Kay Bojesen, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y.
Application September 21, 1939, Serial No. 87,317
Term of patent 3½ years



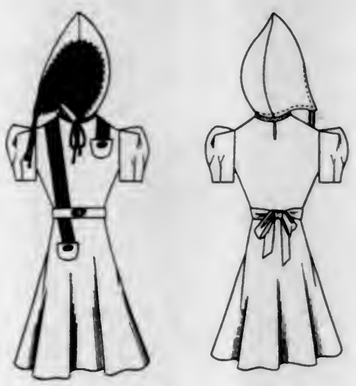
The ornamental design for a combination wooden teething ring and rattle, substantially as shown.

117,646
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Seymour Brown, New York, N. Y.
Application September 29, 1939, Serial No. 87,418
Term of patent 3½ years



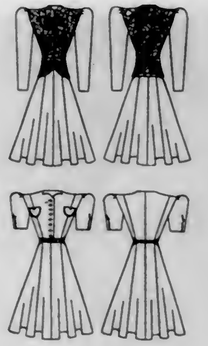
The ornamental design for a tablecloth or similar article, substantially as shown and described.

117,647
DESIGN FOR A DRESS
Lee Friend and Emanuel Wieder, New York, N. Y.
Application June 23, 1939, Serial No. 85,641
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

117,648
DESIGN FOR A DRESS ENSEMBLE
Samuel Kuznetz, New York, N. Y.
Application October 25, 1939, Serial No. 87,839
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

117,649
DESIGN FOR A DRESS
Helen Lentini, New York, N. Y.
Application October 27, 1939, Serial No. 87,882
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,650
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application October 27, 1939, Serial No. 87,879
Term of patent 3½ years



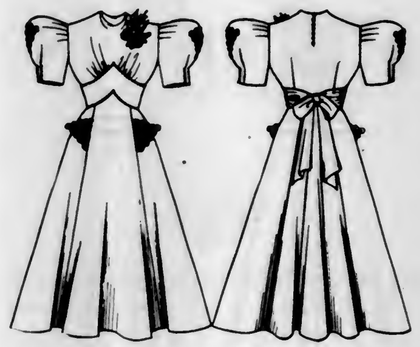
The ornamental design for a dress, substantially as shown and described.

117,651
DESIGN FOR A DRESS
Isadore Roth, St. Louis, Mo.
Application October 23, 1939, Serial No. 87,804
Term of patent 3½ years



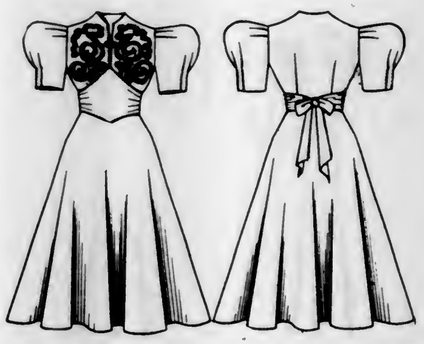
The ornamental design for a dress, substantially as shown.

117,652
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application October 23, 1939, Serial No. 87,800
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,653
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application October 23, 1939, Serial No. 87,799
Term of patent 3½ years



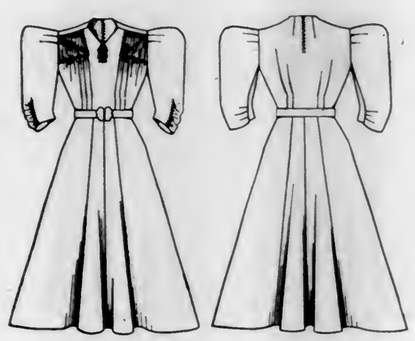
The ornamental design for a dress, substantially as shown.

117,654
DESIGN FOR A DRESS
Eva Schetagne, New York, N. Y.
Application October 27, 1939, Serial No. 87,880
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,655
DESIGN FOR A DRESS
Jacob Siegel, New York, N. Y.
Application October 23, 1939, Serial No. 87,803
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,656
DESIGN FOR A TEXTILE FABRIC
Samuel E. Staines, Allendale, N. J.
Application July 10, 1939, Serial No. 85,939
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

117,657
DESIGN FOR A DRESS
Marjorie Stein, New York, N. Y.
Application October 23, 1939, Serial No. 87,802
Term of patent 3½ years



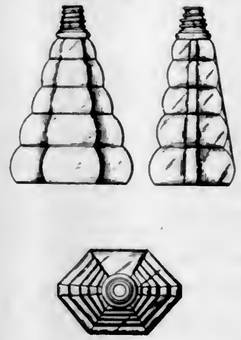
The ornamental design for a dress, substantially as shown.

117,658
DESIGN FOR A DRESS
Irving Weber, New York, N. Y.
Application October 27, 1939, Serial No. 87,881
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

117,659
DESIGN FOR A BOTTLE
Paul Peter Mülhens, Cologne-on-the-Rhine, Germany
Application August 24, 1939, Serial No. 86,863
Term of patent 14 years



The ornamental design for a bottle, as shown.

Patents Nos. 2,180,333 to 2,181,112

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November 21, 1939

Trade-Marks	202—No.	372,900 to No.	373,101, inclusive.
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Labels	10—No.	53,930 to No.	53,939, inclusive.
Prints	4—No.	17,700 to No.	17,703, inclusive.
Reissues	11—No.	21,268 to No.	21,278, inclusive.
Plant Patents	1—No.	347	
Patents	780—No.	2,180,333 to No.	2,181,112, inclusive.
Designs	117—No.	117,660 to No.	117,776, inclusive.
Total	1,167		

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Oct. 25, 1939.*

General Silk Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of National Fabrics Corporation, 119 West Fortieth Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 263,351, issued November 5, 1929, to General Silk Corporation, 2 Park Avenue, New York, N. Y., and a notice of such proceeding sent by registered mail to said General Silk Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said General Silk Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,061,329, F. J. Reilly, Process and apparatus for conditioning commodities, decided October 31, 1939, claim 7.

Pat. 2,088,493, L. Sutherlin and A. J. Harcher, Cathode ray tube, decided October 31, 1939, claims 4 and 6.

Pat. 2,111,302, John Sinko, Cigar lighter, decided October 13, 1939, claim 18.

Pat. 2,132,853, J. J. Kearney, Cut-off and transfer mechanism for metal swaging machines, decided October 31, 1939, claims 1, 2, 3, 4, 5, 6, 7, 8, and 9.

Disclaimers

1,973,311.—*George G. Going*, Glenbrook, Connecticut. Typewriting Machine. Patent dated September 11, 1934. Disclaimer filed October 27, 1939, by the assignee, *The Bristol Company*.

Hereby enters this disclaimer to claims 6 and 14 in said specification.

2,067,802.—*Claude F. Tears*, Mountain Lakes, N. J. Decolorizing Viscous Lubricating Oil. Patent dated January 12, 1937. Disclaimer filed October 28, 1939, by the assignee, *The Petroleum Processes Corporation*.

Hereby disclaims claims 5, 6, and 7 in any interpretation that would include heating a mixture of viscous lubricating oil and liquefied normally gaseous hydrocarbon solvent, or propane, or mixtures of propane and butane sometimes defined or termed "propane" or "commercial propane" solvents, to temperatures of not more than 90° F., or not under pressure sufficient to maintain the solvent in such mixtures in a liquid state, or not passing the heated mixture through the bed of adsorbent decolorizing clay under sufficient pressure to maintain the solvent in the heated solution in the liquid state while in contact with the adsorbent decolorizing clay.

2,133,741.—*Dewey M. Dow* and *Lynn H. Latta*, Toledo, Ohio. Vaccuum Cleaner. Patent dated October 18, 1938. Disclaimer filed October 26, 1939, by the assignee, *Air-Way Electric Appliance Corporation*.

Hereby enters this disclaimer to claim 10 in said specification.

Condition of Applications Under Examination at Close of Business November 4, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,710; Trade-Mark Division, 1,410. Oldest new case, Apr. 1, 1939; oldest amended, Apr. 1, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 5	June 9	657
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 26	Apr. 14	798
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 8	Sept. 6	381
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	May 16	June 7	561
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 31	Aug. 4	499
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	May 13	May 25	933
5725	7. JARBOE, C. G., Optics; Photography	July 3	June 28	975
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Apr. 29	May 15	1193
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	June 9	June 13	713
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 17	July 31	561
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 15	July 15	501
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Apr. 29	Apr. 25	530
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 2	May 25	735
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Aug. 26	Aug. 28	377
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	May 22	May 27	1361
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 29	June 1	747
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 2	June 22	773
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	May 5	May 10	519
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 10	June 7	502
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 16	June 28	410
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 12	July 7	520
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 6	May 6	1018
7624	23. BUTTNER, W. J., Registers (part)	Apr. 8	Apr. 10	318
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 28	Apr. 15	1379
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 19	July 21	619
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 9	June 7	567
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Apr. 1	Apr. 1	1165
6628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	June 13	June 2	462
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	May 25	May 17	843
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 5	June 10	876
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 13	July 7	884
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 10	July 21	421
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 3	July 11	952
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Aug. 18	Aug. 16	272
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	June 16	June 8	768
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 10	June 13	667
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 10	June 8	798
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Apr. 19	Apr. 19	901
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 7	July 4	630
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Apr. 28	Apr. 28	1958
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	June 9	June 5	289
5882	42. CUTTING, H. O., Electric Signaling	Apr. 17	Apr. 10	700
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	June 28	June 27	585
4087 B	44. HARVEY, L. P., Refrigeration	June 5	June 5	720
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 26	June 29	522
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	June 7	June 15	756
6082	47. LOWE, E. R., Clutches; Brakes	July 6	July 8	509
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 5	July 6	507
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	May 5	May 3	1070
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	May 26	June 1	1354
5628	51. BACKUS, C. D., Radiant Energy (part)	Aug. 12	Aug. 12	670
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 5	July 13	693
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 1	Aug. 2	331
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	July 15	July 12	313
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 9	May 16	505
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 9	May 9	1250
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 17	June 15	481
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	June 8	Aug. 1	404
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 12	June 15	812
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 3	July 3	430
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 7	June 10	630
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 16	Aug. 9	452
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	May 15	May 12	955
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	July 19	July 17	789
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 13	May 3	586
2099 B	Trade-Mares, Labels, and Prints: F. A. RICHMOND, Trade-Marks	Oct. 2	Oct. 19	1273
	Labels and Prints	Oct. 23	Oct. 26	137
2605	Designs: H. H. KALUPY	Oct. 2	Oct. 5	653

DECISIONS IN PATENT AND TRADE-MARK CASES

Decision By Board of Appeals

Ex parte Goodrum

Decided June 14, 1937

1. Patentability—Combination of Machines.

"To form a patentable combination between distinct machines it is not believed to be sufficient that the product produced in one is used in another machine. If this be proper, other distinct machines could be added ad infinitum."

2. Same—Automatic Billing System.

Claims for an automatic billing system *Held* unpatentable as "each machine achieves a separate and useful result and to combine them so as to obtain all of the separate results is not regarded a patentable combination but an aggregation of the separate machines."

3. Same—Same.

Claims for an automatic billing system *Held* unpatentable over the prior art.

4. Division—Required Between Claims to Separate and Distinct Machines.

Requirement for division *Held* proper where the machines defined by the two groups of claims were regarded as being separate and distinct and achieving separate and distinct results.

Application for patent filed October 31, 1933, Serial No. 695,999. Telephone Systems.

Appeal from the Examiner. Affirmed.

Mr. Edgar W. Adams and *Mr. P. C. Smith* for Goodrum.

Before Van Arsdale, Assistant Commissioner, and Redrow and Edinburg, Examiners-in-Chief

Edinburg, *Examiner-in-Chief:*

This is an appeal from the final rejection of claims 1 to 11, 13, 18 and 34 to 42 and from the requirement of division between claims 12, 14 to 17, 19 to 23 as one group and claims 24 to 33 and 43 to 45 as a second group.

Claim 1 is illustrative and reads as follows:

1. The method of making a bill of charges for a telephone line as herein described which consists in making a continuous record of all calls made from said line after the termination of each of said calls, making a second continuous record of a charge translation of each of said calls as contained on said first record, and printing all of said charges and the total thereof from said second record substantially as set forth.

The references relied on are: Nelson, 1,927,556, September 19, 1933; Rumpf, 1,962,619, June 12, 1934.

The invention relates specifically to a telephone system although a large number of claims cover broadly an automatic billing system. In a telephone system it is desirable to provide an automatic mechanism for recording all calls both local and distant, tabulating all the calls for each subscriber and printing separate bills of such calls for the subscriber at the end of the month so they can be sent to the subscribers. Applicant has therefore provided a system which includes essentially three independent machines. These machines are diagrammatically shown opposite page 26 of applicant's brief and comprise

(1) A machine which makes a single punched record of all calls made by all subscribers in an exchange area,

(2) A machine which makes an individual reperforate record or card for each subscriber of all calls and charges for said subscriber (the reperforate cards being made from the first punched record containing all the calls of all the subscribers), and

(3) A tabulating machine operated by the individual punched cards to totalize them and print a bill for each subscriber.

Some of the claims include some of the essential parts relating to each machine but it is not necessary to consider such parts here. The principal question involved here is whether a system involving these three machines is patentable. If the broad claims are patentable the more limited claims are also patentable. We do not see any reason for making any distinction between the claims in this respect.

The Examiner holds that these rejected claims involve an aggregation of independent machines and are therefore not patentable. He also holds that the references show the essential machines recited in the claims.

In considering the three machines involved, it should be observed that each one produces a different result which is separately useful irrespective of the other results produced. The first machine produces a single punched record of the calls of all subscribers or a single record of a series of transactions. Such a record may be filed away for future reference or employed in any desired way. It may be all that is necessary to preserve a record of business transactions in some lines of business.

The second machine produces individual subscriber or customer cards. These cards are useful in themselves and can be filed away or used in any way found desirable.

The third machine tabulates and totalizes the items for each card and prints a bill to be sent to the subscriber or customer.

[1] In achieving the distinct results from any machine it is immaterial whether the other machines are present or absent. It is true that the record obtained from the first machine is used in the second, and the card obtained in the second machine is used in the third machine. However, the record and cards used can be produced by hand or by other machines. To form a patentable combination between distinct machines it is not believed to be sufficient that the product produced in one is used in another machine. If this be proper, other distinct machines could be added ad infinitum. For instance, the printed bill can be placed in a photostat machine for reproduction. The photostat can in turn be placed in a television machine and scanned and sent to a distant station. In such a case it can be alleged that the ultimate result desired is to produce at a distant station a record of the individual calls chargeable to a given subscriber.

Applicant is arguing here that the claims cover proper combinations because the ultimate result obtained from the system of machines is a printed bill for each subscriber of the calls chargeable to

him. Such a result is so remote that it can almost be likened to achieving the running of an automobile by first fashioning the parts, assembling them, providing cooling water, gasoline and oil and eventually achieving the result desired.

[2] In the present case, each machine achieves a separate and useful result and to combine them so as to obtain all of the separate results is not regarded a patentable combination but an aggregation of the separate machines.

[3] The Examiner has also rejected the claims on art cited. He depends mainly on the Nelson patent to show the assemblage of the three machines in a single system. This patent shows an auditing system used in a retail merchandising establishment. A machine is used for punching three or four cards which are used in the salesroom by the salesman. We need to consider only three cards. One card is attached to the article which is sold, one is a customer's charge card and one is the clerk's card. When a sale is made, these three cards are placed in a transmitting machine which is electrically connected to an automatic punching machine in the bookkeeping department. When the transmitting machine is operated, the punching machine punches a single master tape 200 and also individual subscriber cards 201. These cards are sorted and tabulated and individual bills are printed. Applicant alleges that Nelson does not produce individual cards from the first three cards in the patent, but in this he appears to be in error. The individual cards 201 are clearly produced from the first three cards as we understand this patent. The card 201 is not a duplicate of a single one of the cards 6, 7 and 8 as argued by applicant. It is our view that this patent shows the assemblage of the three machines involved in the claims rejected.

Furthermore, in systems of this general character there is no invention involved in using a series of machines as defined in the claims. It is such a well known practice in various systems to employ one of such machines for producing a desired record. See the Rumpf patent cited. It is also well known to utilize a machine controlled by a record to produce another record of a different type. To assemble a number of such machines into one loose system is clearly not inventive.

[4] In regard to the requirement of division, applicant points out that claim 14 should be placed in the second group instead of in the first. We think this is correct. We will therefore affirm the requirement of division between the two groups with this correction. As we have indicated above, we regard the machines defined by the two groups as being separate and distinct and achieving separate and distinct results. There is no reason to believe that the analyzer recited in one group of claims is not adapted for practical use apart from the recording machine. The fact that the record of the first machine is used to control the analyzer is immaterial. An analyzer by its definition is intended to analyze some kind of record. It is immaterial where that record comes from.

We have carefully considered applicant's brief but are unable to find that the Examiner erred in his holding except as to the grouping of claim 14. With this correction, the decision of the Examiner is affirmed.

HENRY VAN ARSDALE,
Assistant Commissioner.
W. L. REDROW,
Examiner-in-Chief.
F. P. EDINBURG,
Examiner-in-Chief.

U. S. Court of Appeals for the District of Columbia

GYRO PROCESS COMPANY, A CORPORATION
v.
COE, COMMISSIONER OF PATENTS

No. 7,191. Decided August 7, 1939

[— F.(2d) —]

PATENTABILITY—PROCESS OF CRACKING HYDROCARBON OIL. A certain claim for a process of cracking hydrocarbon oil *Held* unpatentable on the ground of res adjudicata; a certain other claim *Held* unpatentable over the prior art; and a certain other claim *Held* not barred either on the ground of res adjudicata or by the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Reversed and the case remanded for further proceedings in accordance with this opinion.

Mr. Ralph H. Hudson, Mr. Thomas E. Scofield and *Mr. Henry L. Shenier* for Gyro Process Company, a Corporation.

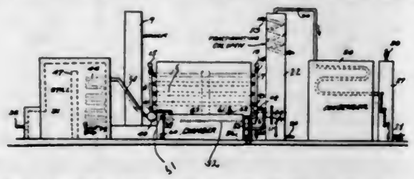
Mr. R. F. Whitehead for the Commissioner of Patents.

Before STEPHENS, MILLER, and EDGERTON, Associate Justices

STEPHENS, *A. J.:*

This is an appeal from a decree of the District Court of the United States for the District of Columbia dismissing, after a hearing on the merits, a bill in equity seeking under R. S. § 4915 an order authorizing the appellee Commissioner of Patents, hereinafter referred to as the Commissioner, to issue a patent to the appellant Gyro Process Company, for a process of cracking hydrocarbon oil. The dismissal was based upon lack of patentability over the prior art and upon res adjudicata held to arise from two decisions within the Patent Office. The claims involved in the case are Nos. 31, 32, and 33 of an application filed by Clive M. Alexander April 5, 1924, and assigned by him to the Pure Oil Company and by the latter to the appellant.

The Alexander process may be explained by reference to Illustration 1. Oil such as a heavy hydro-



carbon is introduced into coil 46 in a furnace 31 where it is heated to vaporizing temperature. It is then introduced into chamber 40 where the resulting vapors are separated from the unvaporized portion. The latter is then passed into reaction chamber 43. The vapors ascend through vertical pipe 6 into pipes 5 located in another furnace and are there further heated until cracking occurs. The cracked vapors then descend through vertical pipe 7 and are introduced into reaction chamber 43. They are still sufficiently hot, when they thus come into contact with the unvaporized oil introduced as above described into the reaction chamber, to cause cracking to occur in this oil without the application of additional heat. All of the cracked gases, i. e., those produced in the vapor phase cracking as well as those from the liquid phase cracking, then pass out of the chamber 43, through fractionating column 22, and then through condenser 26.

The facts relating to the rulings upon the ground of res adjudicata are as follows: In ex parte proceedings on Alexander's application, claims 1–11 were allowed and claims 23–30 rejected. This rejection was affirmed by the Board of Appeals and was not thereafter attacked either by an appeal to the Court of Customs and Patent Appeals or by a bill in equity. Alexander then amended his application to cancel all claims except 1–11 and to add claim 31, and entry of this amendment was allowed. There was at this time pending an interference involving applications of Murphy, Seguy, and Tuttle, the latter being owned by the appellant. Through Tuttle the appellant moved to bring the Alexander application into interference with the other parties, Murphy and Seguy, and proposed a count to this end. The Examiner of Interferences denied this motion upon the ground that the proposed count was unpatentable over the prior art and ruled, upon his own motion, that claim 31 was unpatentable as substantially the same as the proposed count. Also the Examiner dissolved the interference upon the ground that the count therein was not patentably distinct from the proposed count, and was itself therefore not patentable over the prior art. No appeal was taken from these rulings. Alexander in ex parte proceedings then moved to add claim 32 to his application and asked that a patent be issued on claims 1–11, 31, and 32. The Primary Examiner rejected claims 31 and 32. Alexander then moved to add claim 33 and requested reconsideration of the rejection of claims 31 and 32; but the Primary Examiner rejected claim 33 and denied the request for reconsideration.[1] These rulings were affirmed by the Board of Appeals.[2] This final ruling rejecting all three of the claims, 31, 32, and 33, is the subject of the present suit.

In dismissing the bill the trial court held that: (1) claims 31, 32, and 33 were substantially the same as claims 23–30, and the applicant was therefore in respect of them estopped by failure to appeal from the earlier affirmation by the Board of Appeals of the rejection of claims 23–30; (2) the appellant was estopped as to claims 31, 32, and 33 by failure to appeal from the decision of the Examiner of Interferences "holding claim 31 of the Alexander application unpatentable"; (3) claims 31 and 32 were not patentable over the patent to Ruff, No. 1,325,582, in view of the patent to Egloff and Benner, No. 1,835,765; (4) claim 33 was not patentable over the patent to Knox, No. 1,428,641. Each of these four holdings was assigned as error.[3]

1. In the fifth assignment the appellant asserts that the trial court erred:

"In holding and deciding that the Gyro Process Company is estopped to prosecute in the Alexander application assigned to it, claims 31, 32, and 33 because of the failure to seek a review of the first decision of the Board of Appeals in the Alexander application."

The decision of the Board of Appeals here referred to is the decision affirming the Examiner's rejection of claims 23–30.

For reasons hereinafter stated we hold that claims 31 and 33 are unlike claim 24 (taken as typical of claims 23–30) and are therefore not barred by the rejection of claim 24 and the failure to appeal therefrom. We hold claim 32 to be like claim 24 and hence barred. There would be no end of Patent Office proceedings if the failure to appeal from the final rejection of one claim were not a bar to subsequently presented similar claims. The appellant contends that claim 32 differs from claim 24 because of the limitation in the former of heating the oil in an "elongated confined stream", and the further limitation of "flashing the oil into vapors and unvaporized oil". We think neither of these limitations differentiates claim 32 from claim 24. The specification discloses that heating the oil in an elongated confined stream is simply heating it in a coil. The use of a coil in the heating step of the process does not patentably differentiate the process from one wherein the heating step might be performed by any other suitable means—so long as the result is heating to vaporization temperature. In respect of flashing: An examination of the briefs and specification reveals that that term, as used in claim 32, is synonymous with the phrase "to vaporize portions of said oil" in claim 24. It is not used in the technical sense of "flashing" as a term of art.[4] The ap-

[1] The rejection of claims 31 and 32 was upon the ground that they were substantially the same as the proposed count of the interference, the ruling as to unpatentability of which was held to be res adjudicata by virtue of the dissolution of the interference, and also upon the ground that these two claims were unpatentable over the prior art. Claim 33, which had been drawn to avoid the prior art cited to claims 31 and 32, was rejected upon the ground that it was substantially claim 24—the unpatentability of which was held to be res adjudicata by virtue of its rejection, and the affirmance thereof by the Board of Appeals—and also upon the ground that it was unpatentable over the prior art. Claim 24 was taken to be typical of claims 23–30.

[2] The Board of Appeals adopted the reasoning of the Primary Examiner but rejected claims 31 and 32 upon the further ground of res adjudicata by virtue of the earlier rejection of claims 23–30, this upon the theory that claims 31 and 32 as well as claim 33 were substantially identical with claim 24.

[3] Of seventeen errors assigned we consider only those argued in the briefs, to wit, the fifth, seventh, eighth, and ninth.

[4] The word "flashing" as a technical term in the oil cracking art is descriptive of a process of immediate vaporization accomplished by sudden decrease of pressure upon oil heated almost to the vaporization point. See Sachanen and Tilicheyev, Chemistry and Technology of Cracking (1932) 305. The Alexander specification does not describe such a step.

pellant contends, upon the theory that claims 31 and 24 were in substance the same, that allowance of claim 31 by the Examiner operated as a reversal of the rejection of claim 24 and thus removed the bar of res adjudicata. Since we hold that claim 31 differs from claim 24, we need not decide the correctness of this contention.

We think that claims 31 and 33 differ from claim 24 in that they state that reduction of unvaporized oil to a heavy residue is accomplished by "the sensible heat" of the cracked vapors. The omission of this limitation in claim 24 makes the latter so broad as to permit the use of external heat. The accomplishment of cracking in the liquid phase without the use to any substantial extent of heat other than the "sensible heat" of the cracked vapors is one of the salient features of Alexander's process. We think therefore that the appellant was entitled to have claims 31 and 33 compared with the prior art and not merely rejected because similar to claim 24.

2. In the seventh assignment the appellant asserts that the trial court erred:

"In holding and deciding the Gyro Process Company is estopped to prosecute in the Alexander application assigned to it claims 31, 32, and 33 because of its failure to prosecute an appeal in the Patent Office from the decision of the Examiner of Interferences in interference No. 67,970, *Murphy* v. *Seguy* v. *Tuttle*, holding claim 31 of the Alexander application unpatentable."

While the ruling of the trial court refers to the decision of the Examiner of Interferences holding Alexander's claim 31 unpatentable, we think that the Patent Office ruling actually involved was that which, for the reason that in the Examiner's view the proposed count was unpatentable over the prior art, denied the motion to add Alexander to the interference. Since the motion to add Alexander had been denied, the patentability of claim 31 was not before the Examiner; and since Alexander was not added to the interference, the Examiner's dissolution thereof upon the ground of unpatentability of the count of the interference itself did not involve Alexander.

We think that the appellant was not "estopped" by failure to prosecute an appeal within the Patent Office from the decision of the Examiner of Interferences denying, upon the ground referred to above, the motion to add Alexander. In *Gold* v. *Gold*, 34 App. D. C. 229 (1909), the applications of Edward Gold and Egbert Gold were involved in an interference which was dissolved upon the ground, among others, that the issue was not patentable over the prior art. Neither party appealed, but each applicant was referred back to the Primary Examiner for separate action. Edward Gold then amended his claims and they were reconsidered and allowed by the Examiner in Chief. Egbert Gold's application was also reconsidered, and the interference was then re-declared. The new claims were not essentially different from the old ones. After a hearing in the interference thus re-declared, the decision was in favor of Edward Gold. Egbert Gold then appealed to the Commissioner, urging as one ground of appeal that the question of patentability of the issue had been finally adjudicated upon the original motion to dissolve and was therefore concluded as between the parties. The Commissioner denied the effect thus claimed for the former decision and affirmed the ruling in favor of Edward Gold. Egbert then prosecuted an appeal to this court which held that:

The decision determines no right between the two opponents, but one between them both on one side, and the public on the other. If either desire to appeal from the final order of rejection, he must do so ex parte in regular course of procedure . . . . We must hold that the question of patentability was not concluded by the decision on the original motion to dissolve the interference on that ground. [34 App. D. C. at 238.]

Since this is the rule in respect of dissolution of an interference upon the ground of unpatentability of the count, a fortiori it is the rule in respect of the denial, on the ground of unpatentability of the proposed count, of a motion to add an application to an interference.

The Commissioner contends that the real reason for the decision in *Gold* v. *Gold* was that the Patent Office had there voluntarily reconsidered the applications. Be that as it may, we think that in this jurisdiction the law has since been recognized to be as it was stated in the final holding of the court in *Gold* v. *Gold* above quoted. In *American Cable Co.* v. *John A. Roebling's Sons Co.*, 62 App. D. C. 168, 65 F.(2d) 801 (1933), an interference had been dissolved upon the ground of unpatentability of the issue over the prior art, and this was affirmed by the Board of Appeals. Upon the theory that this decision was a refusal of the patent, an attack was attempted by a bill in equity. The bill was dismissed and there was an appeal to this court. It was insisted by the appellant that—

"inasmuch as the decision is based upon the unpatentability of the claims involved, it is equivalent to a refusal of a patent within the meaning of section 4915."

We held to the contrary, saying:

We are not impressed with this contention. An interference proceeding is solely to determine the issue of priority, and the only final order that can be entered in such a proceeding is a determination of the question of priority. Motions to dissolve or to add counts go to the determination of whether or not the interference is properly declared. A decision, therefore, on such motion is purely interlocutory. In *Carlin* v. *Goldberg*, 45 App. D. C. 540, this court held as follows: "A motion to dissolve is interlocutory, and appeal will not lie to this court from an order thereon. The question of priority cannot be determined in proceedings purely upon the motion, for the elementary reason that, if the motion is denied, the soundness of the ruling is a question ancillary to the final judgment of priority, and may be considered on an appeal from the final order of priority (*Podleak* v. *McInnerney*, 26 App. D. C. 399); while, if the motion be sustained, it ends the interference and no cause of action survives or exists upon which an order of priority can be based."

When the interferences were dissolved appellants were reinstated to the status of ex parte applicants as to all claims excepting the two which were allowed, and which are involved in the redeclared interference. The only action taken by the Primary Examiner was to redeclare the interference on the two claims. He has not rejected the claims excluded from the interference. Under rule 134 two rejections of appellants' claims are required before they will have the right to an ex parte appeal to the Board of Appeals. We cannot assume that a patent will ultimately be refused by the Primary Examiner since new evidence may be presented. In other words, a new case on the claims considered by the Board of Appeals in the interference may be made before the Primary Examiner, and the Primary Examiner in that instance would not be bound by the decision of the Board of Appeals, since it acted solely upon the motion to dissolve the interference. [62 App. D. C. at 169–70, 65 F.(2d) at 802–3.]

It will be noted that in this case the ruling of the Examiner of Interferences that the issue was not patentable had been affirmed by the Board of Appeals on an appeal directly from that ruling, whereas in the instant case, as in *Gold* v. *Gold*, no appeal was taken from the ruling of the Examiner of Interferences. But we think this distinction immaterial in view of the quoted reasoning to the effect that the decision of the Board of Appeals itself was not final on the question of patentability of the issue.

We are aware of the ruling in *Lothrop* v. *Robertson*, 61 App. D. C. 252, 61 F.(2d) 404 (1932). In that case an interference had been dissolved upon the ground of unpatentability of the counts over the prior art, and one of the parties then sought an ex parte ruling upon the patentability of claims which were substantially the same as the counts. The Examiner held that the claims were barred by the decision in the interference proceeding. The Board of Appeals and this court affirmed, holding that unpatentability of the claims was res adjudicata. *Gold* v. *Gold* was not cited. No reference was made in *American Cable Co.* v. *John A. Roebling's Sons Co.* to either *Gold* v. *Gold* or *Lothrop* v. *Robertson;* but the American Cable Co. case, in effect, affirms *Gold* v. *Gold* and, being the latest of the three cases, settles the law. *Lothrop* v. *Robertson* must be taken as overruled so far as inconsistent.

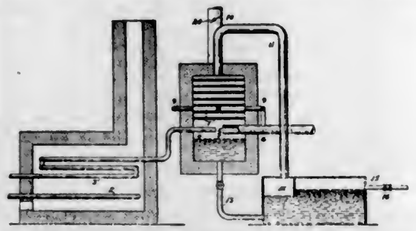
3. In the eighth assignment the appellant asserts that the trial court erred:

"In holding and deciding claims 31 and 32 are not patentsble over the patent to Ruff, No. 1,325,582, in view of the patent to Egloff 1,835,765."

It is agreed that the patent to Egloff may be disregarded since it was referred to only to add a dephlegmator—which is indisputably old—to Ruff.

Since we hold, as above stated, that the rejection of claim 24 barred claim 32, it is not necessary to discuss the latter further.

In respect of claim 31: We disagree with the holding of the trial court that this claim is not patentable over Ruff. The Ruff process may be explained by reference to Illustration 2. Liquid



petroleum is heated to vaporizing temperature in a coil 3 in a furnace. It then passes into chamber 4 which has been preheated by means of a burner 5, extinguished before the petroleum is introduced into the chamber. Directly opposite the point at which the petroleum enters this chamber, steam or hot fixed gas (such as hydrogen, methane or ethane) is introduced through pipe 6 and this gas, coming into contact with the heated petroleum, cracks a part of it. Liquid residue from this process collects at the bottom of chamber 4 and passes down through pipe 13 into chamber 12. The gases pass upward through chamber 4, and as they rise are subjected to further heating and cracking by steam or gas introduced by means of pipes 9 leading from the same source as pipe 6. The cracked vapors pass out and down through pipe 11 into chamber 12, referred to as a washer, and through the liquid residue in direct contact therewith. The effect of this is to remove from the gases the carbon particles which have been produced in the cracking process. From the washer 12 the gases pass out through pipe 15.

The Ruff process is in our view plainly different from that which Alexander claims. An expert witness for the appellant testified at the trial:

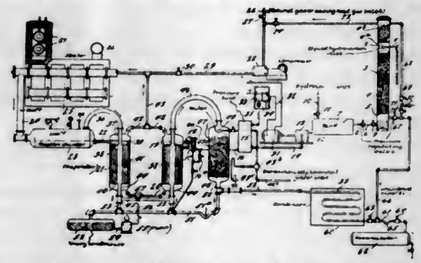
The significant differences between the Ruff patent and the Alexander application are the separation of the vapors from the unvaporized oil and cracking of the vapors in a separate chamber where temperature is accurately controlled, and the subsequent contacting of the cracked vapors with the unvaporized oil to produce a heavy residue. The Ruff patent vaporizes and cracks in a single stage and produces a heavy residue in that stage. Alexander separates the vapor from the liquid in one stage, cracks the vapor in a separate stage and contacts the liquid and vapor in a third stage. There is no contacting of any cracked vapor with the unvaporized oil to produce a heavy residue material in Ruff.

Comparison of the Ruff process with the claims of Alexander, read in the light of his specification, confirms the accuracy of this statement.

4. In the ninth assignment the appellant asserts that the trial court erred:

"In holding and deciding that claim 33 is not patentable in the Alexander application in view of the Knox patent, 1,428,641."

The Knox process may be explained in terms of Illustration 3. So far as pertinent to the present



discussion it is as follows: A charging stock such as kerosene is introduced into cylinder 19 called an evaporator. Inside this cylinder is another cylinder 38 through which hot cracked vapors pass as explained below. The inner cylinder 38 is honeycombed by tubes through which the liquid oil may circulate without coming into direct contact with the gas. By this means the heat of the gas serves to heat the liquid oil. From evaporator 19 the liquid oil passes through pipe 20 to a similar evaporator 21, wherein it is in similar manner further heated. The hot liquid oil leaves evaporator 21 by pipe 22 through which it enters reaction chamber 23. Natural gas or casing head gas is introduced through pipe 26, shown at the top of the diagram, whence it is carried through pipe 29 to a heater 25 where it is heated until cracked. This hot cracked gas then passes through pipe 24 to the reaction chamber 23 where it comes into direct contact with the unvaporized oil from evaporator 21 and by its own

heat cracks this oil. The cracked vapors from the reaction chamber 23 pass out through pipe 36 and thence through inner cylinder 38 of evaporators 21 and 19, initially heating the liquid oil in the evaporators as above described. As the oil in the evaporators is heated it is in part vaporized, and this vapor passes from the evaporators through pipes 42 and 43 and is thus added to the natural gas or casing head gas in pipe 29 and is cracked therewith in heater 25. After passing through reaction chamber 23 and evaporators 21 and 19, the cracked gases are condensed in chambers 47 and 59.

We think the ruling of the trial court that claim 33 of Alexander was anticipated by Knox is correct. The appellant contends that the Alexander process differs from that of Knox in three respects: First, it is said that there is no step in Knox corresponding to separating the heated oil into vapors and unvaporized oil in a zone in which substantially no heat is supplied, as in Alexander. This difference is in our view not important. In both Knox and Alexander the oil is heated to a point of partial vaporization and the vaporized and unvaporized portions separated; and in both processes this separation is essential since the vapor phase and liquid phase cracking processes are separately carried out. Since it is the separation that is essential, it is not material as a distinction that in Knox the separation takes place in the heating portion of the process and apparatus, while in Alexander it takes place in a zone which is itself not heated but into which flows the heated oil.

The appellant relies, second, upon the fact that no heavy residue is formed in Knox as in Alexander. We think that this also is an immaterial difference. It is apparent that the only reason heavy residue is not produced in Knox is that he uses kerosene as a charging stock, rather than a lower grade of hydrocarbon such as is used by Alexander.

The appellant asserts, third, that if any cracking of unvaporized oil takes place in Knox it is caused by a "super-heating medium" (the natural gas or casing head gas) in the reaction chamber, and not by the sensible heat of the cracked vapor as in Alexander. But we think this asserted difference nonexistent. Knox discloses that the vapors produced by heating the charging stock in evaporators 19 and 21 ascend through pipes 42 and 43 into pipe 29 and are then carried through the heater 25 where they are themselves cracked, and that these cracked vapors, together with the cracked natural or casing head gas, descend through pipe 24 into the reaction chamber 23 where they, as well as the cracked natural or casing head gas, come into contact—obviously at the same heat as the natural or casing head gas products—with the unvaporized portion of the charging stock. They necessarily, therefore, themselves accomplish cracking. We do not think it required inventive genius, in proceeding from Knox to Alexander, to eliminate the use of natural or casing head gas as a cracking medium and to rely alone, for the liquid phase cracking, upon the heating of the cracked gases from the vapor phase cracking.

In summary: We hold that the trial court correctly held claim 32 barred by the rejection of claim 24 (as typical of claims 23–30); correctly held that claim 33 was barred by Knox; incorrectly held that claim 31 was barred by the rejection of claim 24, or by the dissolution of the interference, or by Ruff. The trial court did not rule on the question whether claim 31 was barred by Knox. Upon that we therefore make no comment.

In accordance with the foregoing the decree of the trial court is

Reversed and the case remanded for further proceedings in accordance with this opinion.

U. S. Court of Customs and Patent Appeals

OKSENHOLT *v.* BOYD

No. 4,144. Decided June 15, 1939

[104 F.(2d) 378]

1. INTERFERENCE—INTERPRETATION OF COUNTS.

"It has become settled law in this court that in interference proceedings definite limitations cannot be ignored (*Atherton v. Payne*, 19 C. C. P. A. (Patents) 867, 54 F.(2d) 821, 418 O. G. 818; *Field* v. *Stow*, 18 C. C. P. A. (Patents) 1437, 49 F.(2d) 840, 412 O. G. 557), that questions involving patentability of the issue presented in the counts will not be considered (*Stern* v. *Schroeder*, 17 C. C. P. A. (Patents) 670, 36 F.(2d) 515, 393 O. G. 3), and that although the counts are presumed to be patentable to each of the parties, depending upon priority, (*Trumbull* v. *Kirschbraun*, 21 C. C. P. A. (Patents) 758, 67 F.(2d) 974, 443 O. G. 567), patentability is a question for the Patent Office to determine in the ex parte consideration of the involved applications (*Hendrickson* v. *Ronning*, 22 C. C. P. A. (Patents) 1040, 76 F.(2d) 137, 458 O. G. 4).

2. SAME—PRIORITY.

Where appellant contended that since he was awarded broader claims relating to the same general invention in another interference (70,418) it would be erroneous now to allow to appellee, the losing party, counts somewhat more specific but involving what he regards as the same old combination, *Held* "If the claimed new features involved in the counts when placed in the combination shown therein are patentable over the issue of the former interference and are also patentable over the prior art, Boyd should be entitled to them under the unquestioned priority holdings of the tribunals below, the invention defined in the counts awarded to appellant in interference 70,418 has not been affected, and Oksenholt has not been deprived of any of his rights. As is hereinbefore said this is an ex parte consideration."

3. SAME—SAME.

Record reviewed and *Held* that the junior party O was not entitled to any date, prior to the date of reduction to practice to which the senior party B was entitled by virtue of an early application, and that priority was properly awarded to B.

APPEAL from Patent Office. Affirmed.

Messrs. Ritter, Mechlin, O'Neill and *Muir* (*Mr. Gilbert P. Ritter* and *Mr. Henry K. Muir* of counsel) for Oksenholt.

Mr. Jesse R. Stone and *Mr. Lester B. Clark* for Boyd.

BLAND, *J.*:

Appellant has here appealed from a decision of the Board of Appeals of the United States Patent Office awarding priority of invention in the subject matter defined in counts 2, 3, and 4 of interference No. 71,740 to William E. Boyd, the senior party. The decision appealed from affirms the decision of the Examiner of Interferences.

Concerning the invention we quote the following from appellant's brief:

The invention defined by the counts of the interference relates to well drilling apparatus embodying core barrels which are employed during the drilling of oil wells by the rotary drilling method to obtain samples of the earth so that the geological character thereof may be determined. A core barrel, as the term is employed in the rotary drilling art, is a tube provided at its lower end with cutting teeth to form a hollow coring drill which is mounted in the central passage or axial bore of the stem of the rotary drill or bit by which the drilling of the well is accomplished. When a core is to be taken, the drill stem is raised a short distance so that its lower end will be spaced slightly above the bottom of the well hole. The core barrel is then dropped or lowered through the drill stem until its lower end projects below the drill bit whereupon the core barrel, upon being rotated by the drill stem to which it is detachably latched, will cut a section or core from the geological formation being penetrated by the drill. The core thus cut is retained in the core barrel and may be inspected by raising the core barrel to the surface of the earth while the drill stem still remains in the well hole. The core barrel, as is the common practice, may be withdrawn upwardly through the drill stem by any suitable form of "fishing tool" or retrieving tool attached to the lower end of a cable * * *.

To prevent the cutting head of the core barrel, which normally projects downwardly beyond the cutting bit of the drill stem, from becoming battered and deformed by hard earth formations to such an extent that withdrawal of the core barrel upwardly through the drill stem may be prevented or rendered difficult, it is desirable to provide yieldable means enabling the core barrel to recede upwardly within the drill stem upon encountering a hard formation. * * *

Count 2 is illustrative of the three counts on appeal and follows:

2. A rotary drill including a drill stem, a core barrel rotatable with the drill stem and normally projecting below the latter, and means for detachably securing the core barrel within the stem, said means comprising a sleeve carried by the drill stem and reciprocable therein, a spring in the drill stem, and a latch movably mounted on the core barrel for engaging said sleeve to prevent upward movement of the core barrel with respect to the sleeve, said spring serving to exert a downward pressure upon the sleeve and to yield upwardly when hard formations are encountered by the core barrel to permit the core barrel to withdraw into the drill stem.

The main feature of novelty as to each of the appealed counts relates to the dog or latch for holding the core barrel down, and the releasing means, specifically the tubelike member sliding upwardly, to retract the latch from under the abutment.

The interference involves the application of Oksenholt filed July 2, 1934, which is stated to be a continuation in part of an application filed June 15, 1932, and the application of Boyd filed June 20, 1933. The instant interference is one of a series of four closely related interferences, one of which was numbered 70,418, and was between the same parties, all of the interferences having a common record. In three of the interferences, John F. Bozeman was, at one time, a junior party but took no testimony and was dropped therefrom. The instant interference originally contained four counts. The Examiner of Interferences awarded priority of invention as to all counts to Boyd. Oksenholt took no appeal as to count 1 since the subject matter of that count was not disclosed in Oksenholt's instant application, but did appeal as to the other three counts which are here involved.

Appellant here urges but one issue for our decision, which is presented in the first six of the seven reasons of appeal, the first of which reasons of appeal reads as follows:

1. The Board of Appeals erred in not following the established rule of law that where the real invention in separate interferences between two parties is the same and the subjects-matter of the two interferences only differ as to features which are old in the art and do not affect the essential novelty of the real invention, the award of priority in both interferences must be made to the same party.

Appellant in effect argues that Boyd's improvement relates to only one part of an old combination and that Boyd has no right to claim the old combination involving the new improvement. He urges that the counts are void to Boyd inasmuch as he was not the inventor of the combination but that if he invented anything he invented an improvement of one feature of the combination. He urges that he, Oksenholt, being the inventor of the combination should have been awarded the counts in interference even though Boyd's specific structure of the new part of the old combination is not shown in the Oksenholt original application, nor is it by the record shown to have been conceived or reduced to practice until long after Boyd had reduced the same to practice. In other words it is not contended by Oksenholt that the involved counts read upon his first patent disclosure nor is it urged that it is shown by the record that he is entitled to any date for conception and reduction to practice of certain features of the involved counts prior to the undisputed dates awarded to Boyd.

Oksenholt relies chiefly for supporting authority upon the decision of the Supreme Court of the United States in *Lincoln Engineering Co.* v. *Stewart-Warner Corp.*, 303 U. S. 545, 490 O. G. 3, in which the following language is found:

* * * the improvement of one part of an old combination gives no right to claim that improvement in combination with other old parts which perform no new function in the combination. * * *

Other authorities relied upon are *Browne* v. *Harrison*, 58 App. D. C. 228, 26 F.(2d) 1006, 375 O. G. 963; *Dosenbach* v. *Webster*, 51 App. D. C. 256, 278 Fed. 397, 302 O. G. 595; and *Du Bois* v. *Kirk*, 158 U. S. 58, 71 O. G. 889.

[1] The cases which are relied upon and which are suits in equity are not in point for obvious reasons not necessary to discuss here. The cases of *Browne* v. *Harrison*, and *Dosenbach* v. *Webster*, supra, involve facts which seem to be substantially on all fours with those at bar, and it is sufficient to say that those decisions are not in harmony with the holding of this court in a number of decisions. For instance, in *Browne* v. *Harrison*, supra, the Court of Appeals of the District of Columbia passed squarely upon patentability in announcing and applying the doctrine of equivalency. It has become settled law in this court that in interference proceedings definite limitations cannot be ignored (*Atherton* v. *Payne*, 19 C. C. P. A. (Patents) 867, 54 F.(2d) 821, 418 O. G. 818; *Field* v. *Stow*, 18 C. C. P. A. (Patents) 1437, 49 F.(2d) 840), 412 O. G. 557, that questions involving patentability of the issue presented in the counts will not be considered (*Stern* v. *Schroeder*,

17 C. C. P. A. (Patents) 670, 36 F.(2d) 515), 393 O. G. 3, and that although the counts are presumed to be patentable to each of the parties, depending upon priority, (*Trumbull* v. *Kirschbraun*, 21 C. C. P. A. (Patents) 758, 67 F.(2d) 974), 443 O. G. 567, patentability is a question for the Patent Office to determine in the ex parte consideration of the involved applications (*Hendrickson* v. *Ronning*, 22 C. C. P. A. (Patents) 1040, 76 F.(2d) 137), 458 O. G. 4.

Oksenholt in arguing that the counts do not define a new combination and that the claimed novel features in the counts are not patentable over the prior art, we think is raising the question of patentability of the counts which question, under the circumstances, we are not privileged to consider.

If appellant's contentions are meritorious, they should have been raised during the motion period. The instant record does not disclose that appellant during the motion period contended that the counts were not patentable. Appealed counts 2 and 3, according to the uncontradicted statement in appellee's brief, were presented by Oksenholt during the motion period in interference 70,418 and their patentability over the other counts and the prior art was urged by him. There is nothing to indicate where appealed count 4 originated. If the involved counts are in fact nonpatentable, this is a matter for ex parte consideration by the Patent Office.

In order to sustain his contention that the counts are not patentable over the issue of the prior interference, 70,418, and the prior art, appellant calls attention to the broader counts involved in said interference, which he won, and the disclosures of three patents which he has incorporated into the instant record, namely, Barrett et al., 1,847,424, of March 1, 1932, Dodds, 1,295,134, of February 25, 1919, reissued as No. 18,975, October 24, 1933, which patents, appellant states, were considered by the Examiner in the ex parte prosecution of both the involved applications. No consideration was given to these patents by either of the tribunals below in this interference and we cannot see how their consideration here would be proper. Clearly their consideration under the circumstances would involve a question of patentability upon which we may not pass.

Oksenholt's disclosure in his application filed June 2, 1934, which is said to be a continuation in parts of his application filed June 15, 1932, is almost two years subsequent to the disclosure of Boyd in an application filed August 22, 1932 (the appealed counts being held by the Examiner of Interferences to read upon that application). Both parties took testimony and the tribunals below concurred in the conclusion that Oksenholt, the junior party, had not overcome the burden of proof under which he stood.

Agreeable to the finding of the tribunals below, we think it is clear from the record that Boyd is entitled to a date of reduction to practice of the invention of all the counts at least as early as the filing date of his application of August 22, 1932. Oksenholt alleged in his preliminary statement no date prior to that date except as to count 4, the subject matter of which he alleges he conceived on March 15, 1932, and reduced to practice on April 1, 1932. The Patent Office tribunals concurred in rejecting Oksenholt's proof of any date prior to the date allowed Boyd and appellant in this court does not question the correctness of such holding.

[2] Appellant contends that since he was awarded broader claims relating to the same general invention in interference 70,418, it is erroneous to now allow to the losing party (Boyd) counts somewhat more specific but involving what he regards as the same old combination. If the claimed new features involved in the counts when placed in the combination shown therein are patentable over the issue of the former interference and are also patentable over the prior art, Boyd should be entitled to them under the unquestioned priority holdings of the tribunals below, the invention defined in the counts awarded to appellant in interference 70,418 has not been affected, and Oksenholt has not been deprived of any of his rights. As is hereinbefore said this is an ex parte consideration.

[3] Without expressing any view as to patentability of the counts we must conclude that under the circumstances the Board properly awarded priority to the senior party, Boyd, and its decision in so doing is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE UNGER AND WEDGE

No. 4,090. Decided June 15, 1939

[104 F.(2d) 386]

PATENTABILITY—EXPANSIBLE LOOSE LEAF BINDER.

Certain claims for an expansible loose leaf binder *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Benjamin Schlosser for Unger and Wedge.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1 and 28 in appellants' application for a patent for an alleged invention relating to an expansible loose leaf binder.

The rejected claims read:

1. In a loose leaf binder, a back member, a pair of compression members movable transversely relative to said back member, a flat rack positioned against said back member, said rack being arranged longitudinally of said back member and operatively connected to said compression members, and a pair of superimposed pawl members movable in planes parallel to the plane of said rack and engageable with said rack to control the outward movement of said compression members, said pawl members being offset relatively to each other.

28. In a loose leaf binder, a back member, a pair of compression members movable transversely relative to said back member, a rack positioned against said back member and movable longitudinally thereof, said rack being operatively connected to said compression members, and a pair of superimposed, relatively offset pawl members engageable with said rack to control the outward movement of said compression members.

The references are: Watt, 750,922, February 2, 1904; Boehner, 874,919, December 24, 1907; Diehl, 935,591, September 28, 1909; Miller 1,043,955, November 12, 1912; Coppage, 1,063,243, June 3, 1913; McCarthy, 1,333,124, March 9, 1920.

The record contains eighteen allowed claims (Nos. 2, 3, 4, 7, 13, 14, 15, 16, 19, 20, 22 to 27, inclusive, 29, and 30) of which Nos. 24 and 25 were allowed by the Board of Appeals.

Allowed claim 24 reads:

24. In a loose leaf binder, a flat back plate, a pair of compression members movable transversely relative to said back plate, a rack positioned against said back plate and operatively connected to said compression members, and a pair of superimposed pawls offset relatively to each other and movable in planes parallel to the plane of said rack and said back plate, said pawl members being engageable with said rack to control the outward movement of said compression members.

As appears from the appealed claims, appellants' loose leaf binder is provided with a back member and a pair of compression members arranged to move transversely relative thereto, a rack positioned against the back member (claim 1 calls for a flat rack), the rack being arranged longitudinally of the back member and operatively connected to the compression members, and a pair of superimposed pawl members movable, as stated in claim 1,

"in planes parallel to the plane of said rack and engageable with said rack to control the outward movement of said compression members, said pawl members being offset relatively to each other,"

or, as stated in claim 28,

"a pair of superimposed, relatively offset pawl members engageable with said rack to control the outward movement of said compression members."

The patent to Watt discloses an expansible loose leaf binder having a rack and a single pawl member, so arranged as to prevent expansion of the binder "except when the pawl is disengaged from the rack".

The patents to Boehner and Coppage relate to loose leaf expansible binders, and each discloses a plurality of offset pawls adapted to engage a rotatable rack to prevent expansion of the binder, except when the pawls are disengaged from the rack. The pawls are arranged to move in planes perpendicular to the planes of the backs of the binders.

The patent to Diehl relates to an expansible loose leaf binder, and discloses a rack adapted to be engaged by pawls to prevent expansion of the binder, except when the pawls are released. Instead of a flat rack, as called for in appealed claim 1, the patentee's rack is a round rod, provided with longitudinally arranged serrations on a portion of its outer surface. The rod is rotatably mounted, and must be rotated in order to engage or disengage the pawls. The pawl members in the patentee's binder are arranged above the rod in tandem relationship, and are so pivoted that they move in a plane perpendicular to the plane of the back of the binder.

The patent to McCarthy relates to an expansible loose leaf binder, and, with the exception that it discloses only a single pawl member, is substantially the same, so far as the issues here are concerned, as the disclosure in the patent to Diehl.

The patent to Miller relates to an expansible loose leaf binder, and discloses pawl members parallel to the rack. In the patentee's structure, the rack moves longitudinally of the back member.

In its decision, the Board of Appeals stated, inter alia:

The Examiner takes the position that there is no invention in using a flat rack instead of the round racks shown by Diehl and McCarthy or in placing the pawls at the side of the flat rack instead of above it to conserve space, the mechanical operation of the assemblage being the same in each case and the use of multiple offset pawls being old in Coppage and Boehner.

Claim 1 does not state, as in claim 24, that the pawls move parallel to the back plate and covers an arrangement like that of Diehl. In any event, we do not believe that claim 1 distinguishes patentably from Diehl in view of Coppage or Boehner.

The references do not show the arrangement of claim 24 where the pawls move parallel to the back plate and we cannot agree with the Examiner that there is nothing in this feature but mere expediency. In this art, the compactness obtainable with a structure according to claim 24 is highly desirable and we believe claim 24 should be allowed.

Claim 24 specifies that there is no connection between the plate and the compression members through the pawl members, and as with claim 24, we believe this feature in connection with the other features of this claim, define patentable novelty.

Claim 28 states that the rack moves longitudinally of the back member. The Watt and Miller patents were cited to show this feature. Applicants are apparently of the opinion that "operatively connected to the compression members" in claim 1 means that the rack moves longitudinally of the binder. We do not so construe claims 1 and 28. Applicants contend also that the pawls of Coppage or Boehner are not superimposed. We believe on the other hand that they are superimposed. Applicants do not contend that the racks of Watt and Miller do not move longitudinally as in claim 28 but argue at length on the propriety of the final rejection. Applicants cannot object to the propriety of the final rejection at this time. See *In re Greenfield*, 40 Fed.(2d) 775; 400 O. G. or *In re Smith*, 36 Fed.(2d) 522.

We have examined the references cited against claim 28 and are satisfied that the claim is so broadly worded as to be unpatentable for reasons stated by the Examiner.

Counsel for appellants contends that as the Board of Appeals allowed claim 24 because the superimposed pawls move in planes parallel to the plane of the rack and the back plate, appealed claim 1 should also have been allowed because, although it is not limited to superimposed pawl members movable in planes parallel to the planes of the back plate, appellants' application discloses the plane of the rack parallel to the plane of the back plate, and, therefore, the superimposed pawls must of necessity be movable in planes parallel to the plane of the rack and the plane of the back plate.

It is well settled that limitations cannot be read into claims for the purpose of avoiding the prior art. *White* v. *Dunbar*, 119 U. S. 47, 51, 37 O. G. 1001; *In re Ora Kirchbaum*, 17 C. C. P. A. (Patents) 979, 39 F.(2d) 280, 396 O. G. 705; *In re Irving L. Stern*, 17 C. C. P. A. (Patents) 1234, 40 F.(2d) 1000, 401 O. G. 235; *In re Wait*, 23 C. C. P. A. (Patents) 1172, 83 F.(2d) 696, 471 O. G. 709; *In re Crowell*, 23 C. C. P. A. (Patents) 1246, 84 F.(2d) 206, 472 O. G. 737; *In re Gillis and Prendergast* (decided April 10, 1939), 26 C. C. P. A. (Patents) —, 102 F.(2d) 902, 507 O. G. 3.

It is further contended by counsel for appellants that the racks disclosed in the references are round; whereas, appealed claim 1 calls for a flat rack.

The tribunals of the Patent Office concurred in holding that it would not involve invention to substitute a flat rack, called for in claim 1, for the round racks of the references.

Counsel for appellants argues that if flat racks were substituted for the rotatable rods in either the Diehl or McCarthy structures, neither of those structures would operate as does appellants', and

that to make them operable it would be necessary to reconstruct the Diehl and McCarthy binders in the light of appellants' disclosure.

We are unable to hold on the record before us that the tribunals of the Patent Office erred in holding that the substitution of appellants' flat rack for the round rods disclosed in the references does not involve invention.

Relative to claim 28, which was rejected by the Patent Office tribunals on the patents to Watt or Miller in view of the disclosure in either Coppage or Boehner, counsel for appellants states in his brief that the—

"question as to the patentability of this claim may be determined by deciding whether it requires invention to substitute a plurality of relatively offset superimposed pawls [which are clearly disclosed in the patents to Coppage and Boehner] for the single pawl"

disclosed in the patent to Watt. It is further stated in the brief of counsel for appellants that neither Coppage nor Boehner suggest—

"any practical way of substituting a pair of superimposed pawls for the single pawl"

in the Watt structure.

Appealed claim 28 does not call either for the particular manner or structure for susbtituting a pair of superimposed pawls for a single pawl. The claim merely calls broadly for a—

"pair of superimposed, relatively offset pawl members engageable with said rack to control the outward movement of said compression members,"

and each of the patents to Coppage and Boehner discloses a plurality of relatively offset pawl members engageable with a rack to prevent expansion of the binder except when the pawls are released.

The tribunals of the Patent Office were of opinion that it would be obvious to one skilled in the art to substitute a plurality of relatively offset superimposed pawls, disclosed in the patents to Coppage and Boehner, for the single pawl, disclosed in the patent to Watt.

We have given careful consideration to the arguments presented by counsel for appellant, but are unable to hold that the tribunals of the Patent Office reached the wrong conclusion.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

INTERNATIONAL LATEX CORP.
v.
I. B. KLEINERT RUBBER CO.

No. 4,108. Decided June 15, 1939

[104 F.(2d) 382]

TRADE-MARKS—OPPOSITION—SIMILARITY OF MARKS.

Trade-mark, consisting of a certain outline drawing of two babies, for use on babies' rubber pants *Held* confusingly similar to opposer's registered mark consisting of a certain picture of a baby, which mark opposer used on goods of the same descriptive properties long prior to the first use by applicant of its mark.

APPEAL from Patent Office. Affirmed.

Mr. Martin T. Fisher (*Messrs. Nims and Verdi* and *Mr. Percy E. Williamson, Jr.* of counsel) for International Latex Corp.

Mr. Edwin Levisohn (*Mr. Harry Cohen* of counsel) for I. B. Kleinert Rubber Co.

HATFIELD, *J.:*

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents reversing the decision of the Examiner of Interferences dismissing appellee's notice of opposition and holding that appellant was entitled to the registration of its trade-mark for use on babies' rubber pants.

Appellant's mark consists of an outline drawing of two babies, clad in panties only. One of the babies is shown in profile, facing to the left, in a crawling or creeping posture. The second baby, at the right and to the rear of the first, is depicted in stooping position holding and stretching the garment on the first baby.

In its application for registration, filed January 3, 1936, appellant stated that it had used its mark on its goods since September 11, 1935. How extensively the mark has been advertised or used by appellant does not appear from the record, as no evidence was submitted by appellant.

Appellee's mark, which appellee used on babies' pants long prior to the first use by appellant of its mark, consists of a picture of a baby in a crawling or creeping posture with its back and rear toward the observer and its head turned so that it is looking back over its left shoulder facing the observer. The baby has bushy curly hair, and is clothed in a shirt and panties with a sock and shoe on one foot.

Appellee's mark was registered in the United States Patent Office May 31, 1927, on an application filed November 24, 1925.

It appears from the record that appellee's product is sold throughout the world, and that, since about 1921, its mark and its goods have been extensively advertised throughout the United States in magazines, newspapers, and other forms of advertising.

In his decision, the Commissioner of Patents stated, inter alia, that—

The Examiner of Interferences seems to have taken the position that because of the nature of these marks the question of confusing similarity should be determined by different tests than those usually employed. He calls attention to the fact that "the differences between (human) forms are very small compared with resemblances," and draws the conclusion that slight differences must therefore suffice to distinguish such forms, even when used as trade-marks. I am unable to adopt this reasoning. Whether or not it be the representation of a human form, I doubt that the average purchaser pays sufficient attention to any trade-mark as to retain more than a vague impression of its details.

Opposer's mark is a picture of a crawling baby. Applicant's mark is a picture of two babies, one of which is crawling. Placed side by side these marks could not possibly be confused, nor is it likely that a person thoroughly familiar with either would fail to distinguish the other. That, however, is not sufficient. If there is a reasonable probability that some purchasers would be deceived the second mark should not be registered. It seems to me there may be those who would retain only the impression of a crawling baby, and thus mistake applicant's goods for those of opposer. The question is a close one, but the doubt must be resolved in opposer's favor.

It is contended here by counsel for appellant that the marks of the parties are not confusingly similar; that the—

"fact that both marks display the human form of a crawling baby is not per se an indication of likelihood of confusion. Nor is the fact that the babies display the goods of the parties, viz.: baby pants, an indication per se of the likelihood that the public would confuse the two marks";

and that the—

"only question to be determined, therefore, is whether the babies in the two marks resemble each other in their individual characteristics of features, pose and the like."

In support of their contentions, counsel for appellant rely upon our decision in the case of *Jantzen Knitting Mills* v. *West Coast Knitting Mills*, 18 C. C. P. A. (Patents) 843, 46 F.(2d) 182, 406 O. G. 5.

In that case it was held, as stated in the third syllabus—

A mark for bathing suits consisting of the representation of a girl attired in a bathing suit, cap, and shoes, standing on a diving board with her arms held back as if about to dive into the water, held registrable notwithstanding the prior adoption and use of a mark consisting of a representation [of a girl] attired in a similar suit with arms and limbs extended, as in the act of diving through the air, for the same goods, in view of the fact that the representation of a girl wearing a swimming suit is generic in character which any one is free to use.

In the course of our discussion of the issues in that case, we said, inter alia:

We think that the representation of a diving girl wearing a swimming suit is generic in character, and the registration of such a representation as a trade-mark can not exclude others from using any representation of a diving girl wearing a swimming suit, but only from using the representation of a diving girl in substantially the same *position* and *posture* as that shown by its mark. The test of similarity producing confusion is, therefore, not whether the two marks represent diving girls, but whether the appearance or position which gives to appellant's mark its exclusive right has been so nearly simulated by appellee in its mark as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers.

Applying this test to the two marks in issue, we are clear that the resemblance is not such as to prevent registration of appellee's mark. We think no purchaser would confuse the posture of a girl with arms and limbs extended, as in the act of diving through the air, with the posture of a girl standing on a diving board with her arms held back as if about to spring or dive into water. We may add that the diving board adds further distinctiveness to appellee's mark. (Italics not quoted.)

It is not contended here by counsel for appellee that appellee is entitled to the exclusive use of the representation of a baby. It is contended, however, that appellee's mark consists of a "crawling baby"; that appellant's mark is essentially that of a "crawling baby"; and that, therefore, the marks are confusingly similar.

The dominant feature of appellant's mark is a representation of a crawling baby. The baby's posture is substantially the same as the posture of the baby in appellee's mark. The crawling baby in appellant's mark is shown in profile facing to the left; whereas, the crawling baby in appellee's mark is shown with its back and rear toward the observer and its head turned so that it is looking back over its left shoulder facing the observer. The positions of the two babies, therefore, are different, and, as stated by the Commissioner in his decision, if the two marks are placed side by side they are easily distinguishable. However, such a comparison is not the test to be applied in considering the question of confusing similarity of the marks.

We have given the issues presented careful consideration in the light of the principles announced and applied in the Jantzen Knitting Mills case, supra, and the arguments presented by counsel for appellant, and are of opinion that the marks of the parties so nearly resemble one another that their concurrent use would be likely to cause confusion or mistake in the mind of the public and deceive purchasers. At least, there is reasonable doubt as to the confusing similarity of the marks, and it is well settled that such doubt must be resolved against the newcomer in the field. *The American Products Co.* v. *Herbert F. Braithwaite*, 19 C. C. P. A. (Patents) 736, 53 F.(2d) 532, 414 O. G. 302.

We are unable to hold, therefore, that the Commissioner of Patents erred in sustaining appellee's notice of opposition.

For the reasons stated, the decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE PARKER AND LADD

No. 4,165. Decided June 19, 1939

[104 F.(2d) 389]

PATENTABILITY—METHOD OF MAKING RIB-BACK SURGICAL BLADES.

Certain claim for a method of making rib-back surgical blades *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Herbert W. Kenway for Parker and Ladd.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claim 47 in appellants' application for a patent for an alleged invention relating to a detachable blade for surgical knives.

The appealed claim reads:

47. A detachable rib-back surgical blade made by first rolling a thin flexible strip of steel to produce therein symmetrical longitudinal ribs, then forming curved perforations in the strip partially outlining oppositely arranged blanks with the back of each blank including a straight part of one of the previously formed longitudinal ribs, hardening and tempering the perforated strip, then separating the blanks from the strip each with an edge portion partially curved and partially straight, and grinding said edge portions to form a continuous cutting edge, the body of the blade being sheet metal of uniform thickness and of an order of .015 inches in thickness and of compact structure and having a sharpened portion lying opposite to said rib and an aperture in its body so located as to set off an end portion of the blade for torsional flexing about said rib as a relatively stiff axis.

The application here involved, Serial No. 34,012, filed July 31, 1935, relates to a method of making rib-back blades.

It will be observed that the appealed claim, although intended as an article claim, defines a detachable surgical blade principally by the process by which the blade is made.

It appears from the record that structural claims for appellants' detachable rib-back surgical blade were presented in another application, Serial No. 699,744. Those claims were rejected by the Primary Examiner on three references: Wright, 604,850, May 31, 1898; Kny, 813,009, February 20, 1906; Parker, 1,287,411, December 10, 1918.

On appeal in that case the decision of the Primary Examiner was affirmed by the Board of Appeals.

In its decision in that case, rendered July 31, 1935, the Board held that in view of the references,

including the patent to Parker, issued to one of the appellants in the instant case, there was—

"nothing novel in providing a reinforcing rib at the top edge of a blade which stiffens the blade. When such a rib is used, the hand or finger of the surgeon can be readily pressed against the flat top surface without injuring the hand or the glove. * * * Wherever a rib is used, it tends to reinforce portions adjacent to it. We are unable to see that applicant has made any patentable improvement over his prior patent [Parker Patent, No. 1,287,411]."

As no appeal was taken in that case, the decision of the Board of Appeals became final "as to all subject matter actually contained in any of" the "claims" before the Board. *In re Ellis*, 24 C. C. P. A. (Patents) 759, 86 F.(2d) 412, 478 O. G. 478. The claims before the Board in that case were six in number, 15 to 20, inclusive, of which, the Board stated, claim 15 was illustrative. It reads:

15. A detachable blade for surgical knives, having a sheet steel body of substantially uniform thickness, sharpened at one edge for cutting and having its opposite edge thickened to form a solid longitudinal rib supplying a flat pressure-receiving face wider than the body of the blade for the finger of the user and tending to stiffen the blade against lateral flexing in use, the blade having an attaching recess spaced from said rib and serving to render flexible in torsion a localized area in the blade whereby that area may be readily flexed about the rib as an axis in attaching or detaching the blade while the blade as a whole is maintained against distortion to the same extent by said rib.

As hereinbefore noted, the decision of the Board in that case was rendered July 31, 1935, and the application here involved was filed on that date. Ten method claims have been allowed appellants in the involved application.

In its decision in the instant case, the Board of Appeals said:

The claim stands rejected on the ground that it is not a proper product claim, many process limitations being included which give no distinguishable characteristics to the finished article. It is the Examiner's view that, in so far as the process limitations included do serve to distinguish the article from the prior art, they are not patentable over art cited in connection with a former appeal by the same parties on a detachable surgical blade, which appeal was decided adversely to them.

In the former appeal the article was defined by its construction rather than by the process by which it was made. This tends to indicate that the present case does not fall within the exception to the general rule that a product should not be defined by the process of making. It is conceivable that certain steps of the process, which are included in claim 47, could be detected in the final product such, for instance, as the fact that the blade is made from longitudinally rolled stock and that the rib is formed by a rolling operation. We do not feel, however, that it could be determined from an inspection of the finished blade that it had been shaped by perforating the strip stock previous to a tempering operation. We also doubt if it would be possible to determine whether the blade had been formed along one side of a strip which originally carried similar blades at the opposite side.

As to the distinguishable steps, they are deemed to add nothing patentable to the claims heretofore considered in connection with the appeal in application 699,744 in view of the references cited in the Examiner's report of April 7, 1938, a copy of which was mailed appellant with our communication of the same date.

We think it is apparent that appealed claim 47 is distinguishable from claim 15 (involved in the prior case) by process limitations only.

In the instant case, the tribunals of the Patent Office concurred in holding that appellants' detachable rib-back surgical blade can be, and in fact was in the prior case, defined by its structural characteristics. We are in agreement with that holding. Accordingly, as appellants' blade is, to a considerable extent, defined in the appealed claim by the process of making it, the claim was properly rejected. *In re Charles R. Butler*, 17 C. C. P. A. (Patents) 810, 37 F.(2d) 623, 394 O. G. 276.

In its decision the Board of Appeals stated that the process limitations in appealed claim 47 added nothing patentable to the claims considered in the prior case (application No. 699,744) "in view of the references cited in the Examiner's report of April 7, 1938".

In the "Examiner's report", referred to in the Board's decision, claim 48, which applicants proposed to substitute for appealed claim 47, was held to be unpatentable over the reference patents to: Mattheis (German patent), 3,248, January 18, 1879; Memmott, 306,849, October 21, 1884; Roth (German patent), 212,193, July 26, 1909; Gerling (Figs. 1 and 2), 1,635,614, July 12, 1927; on the ground that the references disclosed, as they clearly do, that it was "old in the art of making blades having reinforcing ribs to roll the blade in strip form with the rib being preformed in the strip stock".

We are in agreement with the conclusion reached by the tribunals of the Patent Office, and the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE THE MIDY LABORATORIES, INC.

No. 4,151. Decided June 15, 1939

[104 F.(2d) 617]

TRADE-MARKS—REGISTRABILITY—"PIPERAZINE MIDY".

Where applicant sought registration under the act of 1905 of the notation "Piperazine-Midy" as a trade-mark for preparations for the treatment of gravel, stone, and other manifestations of the uric-acid diathesis, and to control the formation of urates, and conceded that the word "Piperazine" is descriptive of the goods and that the word "Midy" is a surname, a part of applicant's corporate name, not written or printed in any distinctive manner, and disclaimed both words except in the precise relation, association, and arrangement shown, *Held* that registration was properly refused, neither of the words being registrable standing alone and the combination of the words in no way changing their significance in any trade-mark sense.

APPEAL from Patent Office. Affirmed.

Mr. Chauncey P. Carter for The Midy Laboratories, Inc.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents affirming that of the Examiner denying appellant's application for registration under the Trade-Mark Registration Act of 1905 of the notation "Piperazine-Midy" as a trade-mark for—

"preparations for the treatment of gravel, stone, and other manifestations of the uric-acid diathesis, and to control the formation of urates".

It is conceded by the applicant that the word "Piperazine" is descriptive of the goods and that the word "Midy" is a surname, a part of applicant's corporate name, not written or printed in any distinctive manner, and the application was amended to disclaim both words, except in the precise relation, association, and arrangement shown. So we have the novel situation where a party seeks registration of a mark consisting of two words connected by a hyphen, neither of which words is registrable standing alone and both of which are disclaimed. There is no peculiarity of relation, association, or arrangement, the words being printed, in the drawing accompanying the application, in common black face type.

We have not had occasion heretofore to pass upon an issue precisely like this.

Applicant has directed our attention to the case of *Whitman Publishing Co.* v. *McLoughlin Bros., Inc.*, 25 C. C. P. A. (Patents) 1298, 97 F.(2d) 608, 497 O. G. 278. It is sufficient to say that that was an interference proceeding involving the matter of priority and upon the issues as there presented we gave no consideration to the precise character of the conflicting marks. In the ex parte case at bar the right of applicant to register is the sole question to be determined.

In the course of his decision the Commissioner of Patents, speaking through Assistant Commissioner Frazer, said:

I think applicant's contention is without merit. The statute forbids the registration of either word alone, and I can find no reasonable basis for holding that their association together results in a registrable combination.

Applicant has filed a disclaimer of "any attempt to cover by this registration the word 'Piperazine' or the word 'Midy' except in the precise relation, association, and arrangement shown herein." The office of a disclaimer is that of "distinguishing, without deleting, non-registrable matter in the drawing of the mark as registered." *Beckwith* v. *Commissioner of Patents*, 252 U. S. 538, 1920 C. D. 471. And where, as here, the entire mark is non-registrable, there would seem to be nothing from which to distinguish. I do not think that any mark should be accepted for registration under the act of 1905, unless it includes at least one element that is registrable without disclaimer.

We have found it somewhat difficult to follow the reasoning of counsel for appellant. His contention is based, in part at least, upon the decision of the Supreme Court of the United States in the well-known case of *Beckwith* v. *Commr. of Patents*, 252 U. S. 538, 274 O. G. 613, decided at a time when that court took jurisdiction of certain trade-mark registration controversies.

The application there involved was for registration of a mark to be applied to "Hot air and combined hot air and hot water heaters and furnaces". It consisted of a design like a seal comprising the head of an Indian chief surmounting a scroll bearing his name "Doe-Wah-Jack", and surrounded by a circle, outside of which appeared the words "Round Oak" and "Moistair Heating System" in a circle, the whole being surrounded by a wreath of oak leaves.

It was held by the Commissioner of Patents, in effect, that the phrase "Moistair Heating System" was descriptive, and that to secure registration (the other portions of the mark as combined being approved) that phrase should be "erased" or "removed" from it, he taking the view that the filing of a disclaimer would not suffice. The Court of Appeals of the District of Columbia sustained the Commissioner's view and the Supreme Court reversed the judgment of the Court of Appeals.

Since that decision the Patent Office and the courts have recognized the right of registration in proper cases where parts of a proposed mark have been disclaimed, but we have not been cited to any case in which the right of registration has been upheld by any court where the issue involved a mark disclaimed in its entirety.

In the absence of any persuasive authority to the contrary, we feel constrained to uphold the view of the Commissioner in this case. The holding, in our opinion, is based upon a sound principle and moreover it is in harmony with certain of the reasoning in a number of cases among which may be cited: *Fishbeck Soap Co.* v. *Kleeno Mfg. Co.*, 44 App. D. C. 6, 216 O. G. 663; *Nairn Linoleum Co.* v. *Ringwalt Linoleum Works*, 46 App. D. C. 64, 175 O. G. 1100; *Krank* v. *Philippe*, 54 App. D. C. 180, 321 O. G. 461, and three cases of this court, each styled *In re Canada Dry Ginger Ale, Inc.*, reported in 24 C. C. P. A. (Patents) at pages 804, 479 O. G. 519, 872, and 879, respectively. In the second of those cases we said:

In view of the fact that appellant is not entitled to register either the words "Canada Dry", standing alone, or the map on which the words appear, for reasons hereinbefore stated, it is clear, from the facts and circumstances of the case, that it is not entitled to the registration of the two combined.

In the Beckwith case, supra, the Supreme Court pointed out that—

"No question * * * that the design of the trade-mark is so simple as to be a mere device or contrivance to evade the law and secure the registration of non-registrable words"

was involved.

Obviously, the granting of applicant's application in this case would result in registering, when combined, words non-registrable separately. The combination of the words in no way changes their significance in any trade-mark sense. Each continues to have the same meaning that it would have as a separate word.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,212,840, F. J. Straub, Building block and method of making same, D. C., E. D. Pa., Doc. 4755, *Crozier Straub Co., Inc., et al.* v. *Quaker City Block & Brick Co.* Dismissed June 22, 1939. Doc. 4823, *Crozier Straub, Inc., et al.* v. *J. V. Rosato et al.* Decree as above.

1,344,503, J. E. Grosjean, Method of manufacturing composite soles for boots or shoes; 1,344,504, same, Sole for boots or shoes; 1,650,511, same, Heels for boots and shoes; 1,687,441, same, Tread material and method of making same; T. M. 149,142, The Lima Cord Sole & Heel Co., Soles and heels made or formed of a combination of rubber and fabric for boots and shoes; T. M. 285,219, same, Shoe soles of combination of rubber and fabric, appeal filed Aug. 17, 1939, C. C. A., 1st Cir., Doc. 3508, *N. A. Grosjean et al.* v. *Panther-Panco Rubber Co., Inc.*

1,344,504. (See 1,344,503.)

1,470,524, H. B. Burt, Process of making confections; 1,718,997, same, Frozen confection; 1,505,592, F. W. Epperson, same, filed July 28, 1939, D. C., E. D. Pa., Doc. 442, *Joe Lowe Corp. et al.* v. *M. Weiss et al.* (*Wele-Maid Products*).

1,505,592. (See 1,470,524.)

1,604,179. (See Re. 16,878.)

1,606,402, E. V. Crowell, Casing extension; 1,896,482, same, Cement retainer; 1,699,052, same, Tubing bleeder; 1,608,167, Crowell & Watson, Tubing bleeder and anchor,

D. C., S. D. Calif. (Los Angeles), Doc. E 1294–J, *E. V. Crowell* v. *Baker Oil Tools, Inc., et al.* Dismissed without prejudice pursuant to stipulation Aug. 14, 1939.

1,608,167. (See 1,606,402.) 1,650,511. (See 1,344,503.)

1,682,182, Morrison & Simmons, Sr., Cultivator attachment, D. C., W. D. Tex. (Austin), Doc. E 597, *J. O. Simmons, Sr.*, v. *I. A. Prewitt Hardware Co., et al.* Injunction (notice Aug. 15, 1939).

1,687,441. (See 1,344,503.) 1,699,052. (See 1,606,402.)

1,718,025. (See Re. 18,841.)

1,718,997. (See 1,470,524.)

1,749,977, B. F. Hutches, Jr., Parking clock; 2,162,191, W. N. Woodruff et al., Meter, suit for declaratory judgment filed Aug. 16, 1939, D. C., District of Columbia, Doc. 3801, *M. H. Rhodes, Inc.*, v. *Vehicular Parking, Ltd.*

1,783,839, H. Gauvin, Roof covering, appeal filed Aug. 4, 1939, C. C. A., 2d Cir., Doc. —, *H. Gauvin* v. *A. C. Smith* (*Old English Thatch*).

1,799,471. (See Re. 16,878.)

1,807,574, H. L. Johnston, Meat grinder, appeal filed Aug. 16, 1939, C. C. A., 2d Cir., Doc. —, *The Hobart Mfg. Co.* v. *Landers, Frary & Clark.*

1,821,346. (See Re. 16,878.)

1,821,347. (See Re. 16,878.)

1,850,319, Fensom & Green, Advertising sign, filed Aug. 22, 1939, D. C., S. D. Ohio, W. Div., Doc. 96, *The Lackner Co., Inc., et al.* v. *Cincinnati Advertising Products Co.*

1,880,381, H. Frings, Manufacture of vinegar, D. C., S. D. Ohio, W. Div., Doc. 32, *Standard Brands, Inc.*, v. *The Frank Tea & Spice Co. et al.* Stipulation of dismissal Aug. 15, 1939.

1,896,482. (See 1,606,402.) 1,932,274. (See 2,039,171.)

1,957,192, G. Ainsworth, Lighting fixture, C. C. A., 3d Cir., Doc. 6980, *G. Ainsworth* v. *Gill Glass & Fixture Co.* Decree affirmed Aug. 10, 1939.

1,967,288, W. Cathcart, Friction joint, filed Aug. 21, 1939, D. C., E. D. Mich. (Detroit), Doc. 1370, *W. Cathcart* v. *Thompson Products, Inc.*

1,994,345, Holstein & Ginder, Purifying zinc vapor; 1,994,358, same, Purification or separation of metals, C. C. A., 3d Cir., Doc. 6975, *E. R. Smoley* v. *New Jersey Zinc Co.* Decree affirmed Aug. 4, 1939.

1,994,358. (See 1,994,345.)

1,994,479, G. H. Lamborn, Method of welding alloy steels, filed Aug. 16, 1939, D. C., W. D. N. Y. (Buffalo), Doc. 228, *Morrison Rwy. Supply Corp.* v. *Telewelding, Inc.*

1,997,194. (See Re. 16,878.)

2,012,460, E. J. Vallen, Curtain-operating apparatus, filed Aug. 16, 1939, D. C., S. D. Ohio, W. Div., Doc. 95, *E. J. Vallen et al.* v. *O. C. Hill et al.*

2,023,813, C. L. Jolly, Beach shelter; 2,142,851, same, Sun shade, suit for declaratory judgment filed Aug. 3, 1939, D. C., S. D. Calif., C. Div., Doc. 498, *G. P. Dabney* (*Sun Dodger Co.*) v. *The Jolly Hut Co.*

2,039,171, J. Kublanow, Wall tie; Re. 20,116 (of 1,932,274), same, Sidewall mounting structure, C. C. A., 3d Cir., Doc. 6785, *Starlock Mfg. Co.* v. *J. Kublanow et al.* Decree affirmed Aug. 9, 1939.

2,059,967. (See Re. 16,878.)

2,100,868, A. Oppenheimer, Jr., Slip cover for furniture, D. C., E. D. Pa., Doc. 141, *Comfy Mfg. Co.* v. *Gimbel Bros.* Consent decree dismissing complaint without prejudice Feb. 10, 1939.

2,111,958, D. M. Bardon, Fish line sinker, D. C., W. D. Wash., N. Div., Doc. 5, *D. M. Bardon* v. *J. Rosenquist et al.* Injunction (notice Aug. 21, 1939).

2,115,967, M. J. Schifrin, Composite fabric, filed Aug. 23, 1939, D. C., S. D. N. Y., Doc. 5/156, *M. J. Schifrin et al.* v. *B. Shapiro, Inc.*

2,119,623, W. F. Goff, Tire valve, filed Aug. 22, 1939, D. C., N. D. Ohio, E. Div., Doc. 19,960, *The Dill Mfg. Co.* v. *W. F. Goff et al.*

2,128,516, C. T. Graham, Method of treating fabrics; 2,155,127, same, Fabric, filed Aug. 18, 1939, D. C. R. I. (Providence), Doc. 27, *Defiance Mfg. Co. et al.* v. *Greenwich Bleachery.*

2,142,851. (See 2,023,813.) 2,155,127. (See 2,128,516.)

2,162,191. (See 1,749,977.)

2,162,191, W. N. Woodruff et al., Meter, filed Aug. 24, 1939, D. C. Conn. (New Haven), Doc. 162, *Vehicular Parking, Ltd.*, v. *The City & Town of New Haven, Conn. et al.*

Re. 16,878 (of 1,604,179), Re. 19,377 (of 1,821,346), Re. 19,378 (of 1,821,347), C. H. Leach, Refining apparatus; 1,799,471, 1,997,194, 2,059,967, same, Heat exchange apparatus, filed Nov. 21, 1938, D. C., W. D. Ky., Doc. 21, *C. H. Leach* v. *Henry Vogt Machine Co.*

Re. 17,393. (See Re. 18,841.)

Re. 18,541, Lieberman & Caplin, Riding breeches, filed Aug. 5, 1939, D. C., E. D. Pa., Doc. 454, *J. A. Lieberman et al.* v. *A. I. Merkin* (*Merkin Riding Shop*).

Re. 18,841 (of Re. 17,393), J. Mayer, Hair waving method; 1,718,025, R. Bishinger, Hair curling appliance, D. C., N. D. Calif. (San Francisco), Doc. E 4302–S, *The Philad Co.* v. *S. Sommer.* Re. 18,841 held valid and infringed; injunction Aug. 11, 1939.

Re. 19,377. (See Re. 16,878.)

Re. 19,378. (See Re. 16,878.)

Re. 20,116. (See Re. 2,039,171.)

Des. 108,853, L. Kaufman, Combined pleated and embroidered fabric, filed Aug. 9, 1939, D. C., E. D. Pa., Doc. 458, *L. Kaufman et al.* v. *L. J. Schwartz et al.*

Des. 112,736, S. Faden, Dress, D. C., S. D. N. Y., Doc. 2/175, *B. Weinberg et al.* v. *Constantine Dress Co.* Consent decree for plaintiff Aug. 23, 1939.

Des. 114,046, J. C. Shapiro, Textile fabric, filed Aug. 2, 1939, D. C., E. D. Pa., Doc. 450, *J. C. Shapiro et al.* v. *Standard Tapestry Co., Inc.*

Des. 115,846, I. Defren, Mantelpiece-ornament, filed Aug. 22, 1939, D. C., S. D. N. Y., Doc. 5/142, *P. Defren* (*De Fren Ship Craft Co.*) v. *J. Sommers* (*S. & S. Electrical Products*).

Des. 115,887, H. Bayor, Dress, filed Aug. 22, 1939, D. C., S. D. N. Y., Doc. 5/138, *Malbec Frocks, Inc.*, v. *Excellent Dresses, Inc.*

T. M. 120,330, A. Bourjois & Co., Inc., Face powder, toilet powder, sachet powder, etc.; T. M. 255,826, Bourjois, Inc., Toilet preparations, appeal filed Nov. 26, 1938, C. C. A., 3d Cir., Doc. 6950, *Bourjois, Inc.*, v. *Hermida Laboratories, Inc.*

T. M. 149,142. (See 1,344,503.)

T. M. 255,826. (See T. M. 120,330.)

T. M. 285,219. (See 1,344,503.)

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 21, 1939

[VOL. 508. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 416,872. ROGGLI BROTHERS, Hilterfingen, Switzerland. Filed Mar. 9, 1939.



The word "Originalsaat" is disclaimed apart from the mark.

For Flower and Vegetable Seeds.

Claims use since Nov. 27, 1933.

CLASS 2

Receptacles

Ser. No. 420,807. CHASE BAG COMPANY, New York, N. Y. Filed June 22, 1939.



No claim is made to the words "Two Towels" apart from the mark.

For Cloth Bags.

Claims use since Feb. 1, 1939.

CLASS 3

Baggage. Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 419,338. LEWIS H. HOLLANDER, doing business as Lewis H. Hollander Co., New York, N. Y. Filed May 12, 1939.

COSMAY

ACCESSORIES

Applicant disclaims the word "Accessories" except as shown.

For Purse Kit in the Nature of a Cosmetic Container or Kit Sold Empty.

Claims use since Apr. 1, 1939.

Ser. No. 423,605. MORRIS, MANN & REILLY INCORPORATED, Chicago, Ill. Filed Sept. 14, 1939.

Ruf Puf

For Accessories—Namely, Ladies' Handbags, Small Pocketbooks, Purses.

Claims use since June 1, 1939.

Ser. No. 423,672. MEYERS MANUFACTURING CO., New York, N. Y. Filed Sept. 16, 1939.

KOSMO KIT

The word "Kit" is disclaimed apart from the mark.

For Ladies' Handbags.

Claims use since July 1, 1939.

Ser. No. 423,754. BUXTON, INCORPORATED, Springfield, Mass. Filed Sept. 20, 1939.



For Leather Key Cases, Purses, Billfolds, and Pocket-Books.
Claims use since Mar. 14, 1938.

Ser. No. 423,834. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 21, 1939.

TREASURE-CRAFT

For Handbags.
Claims use since July 28, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 413,671. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Filed Dec. 10, 1938.



The representation of a woman is a portrait of Ruby Sleeth.
For Cleaning Powder for Water-Closet Bowls and Automobile Radiators.
Claims use since June 1, 1938.

Ser. No. 413,672. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Filed Dec 10, 1938.

Sani-Flush



The representation of a woman is a portrait of Ruby Sleeth.
For Cleaning Powder for Water-Closet Bowls and Automobile Radiators.
Claims use since June 1, 1938.

Ser. No. 421,592. ALUMINATE COMPANY, Pittsburgh, Pa. Filed July 15, 1939.



The word "Aluminate" is disclaimed apart from the mark.
For Cleaning Fluids for Metals and Glassware.
Claims use since May 15, 1939.

Ser. No. 422,644. THE WILSON CHEMICAL COMPANY, INC., Tyrone, Pa. Filed Aug. 15, 1939.

CLOVERINE

For Shaving Cream.
Claims use since Jan. 10, 1922.

Ser. No. 423,131. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Aug. 30, 1939.

PYRON

For Cleanser in Powdered Form Having Incidental Water-Softening Properties, for Cleaning Receptacles and Containers.
Claims use since September, 1934.

Ser. No. 423,580. UNITED BUYERS CORPORATION, also doing business as Foodcraft Products, Chicago, Ill. Filed Sept. 13, 1939.

Foodcraft

For Toilet Soap, Laundry Soap, Soap Powder, Soap Chips, Scouring Powder, Glass Cleaner, and Metal Polish.
Claims use since Sept. 1, 1935.

Ser. No. 423,585. DAVID J. KELMAN, New York, N. Y. Filed Sept. 13, 1939.



No claim is made to the words "Scour Best" apart from the mark.
For Steel Wool and Woven Metal Cleaners for Metalware.
Claims use since Aug. 21, 1939.

Ser. No. 423,618. THE BUCK-JACK COMPANY, Baltimore, Md. Filed Sept. 14, 1939.

KC

For Soap for General Cleansing Purposes.
Claims use since June 10, 1939.

Ser. No. 423,757. FEDERAL MINING & MFG. CO., Jersey City, N. J. Filed Sept. 20, 1939.

FEDRATONE

For Cleaning Fluid Used as an Oil, Grease, Fat, and Dirt Solvent for Household and Industrial Uses.
Claims use since Aug. 1, 1935.

Ser. No. 423,846. LINCO PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 22, 1939.



For Cleanser for General Household Uses, Having Cleaning and Detergent Properties and Having Incidental Water Softening Properties.
Claims use since Aug. 28, 1939.

Ser. No. 424,166. FULTON PROCESS AND CHEMICAL CORPORATION, Gloversville, N. Y. Filed Oct. 3, 1939.

HANDEX

For Hand Cleanser.
Claims use since Sept. 25, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 410,599. MATTHEW B. MCBRIDE, doing business as Sea Caps Company, New York, N. Y. Filed Sept. 15, 1938.

SEACAPS

For Preparation Used in the Treatment of Sea Sickness.
Claims use since Aug. 10, 1938.

Ser. No. 418,963. CLARK-MILLNER CO., Chicago, Ill. Filed May 2, 1939.

PETAL PINK

No Claim is made to the word "Pink" except as shown.
For Lipsticks.
Claims use since Apr. 20, 1939.

Ser. No. 421,024. MARGARET BRAINARD, INC., New York, N. Y. Filed June 28, 1939.

Capsufacial

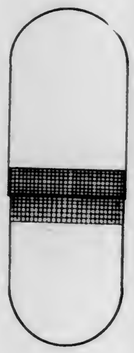
For Cream for the Human Skin.
Claims use since Mar. 27, 1939.

Ser. No. 421,596. MARGARET BRAINARD, INC., New York, N. Y. Filed July 15, 1939.

Caps

For Cream for the Human Skin.
Claims use since Feb. 17, 1939.

Ser. No. 421,894. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed July 24, 1939.

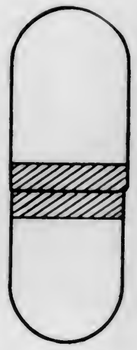


The mark consists of a black band applied approximately around the middle of the capsule. The representation of the capsule is disclaimed.

For Certain Preparations—Namely, (1) A Preparation for Use in the Treatment of Vitamin B Deficiencies; (2) A Preparation for Use in the Treatment of Iron Deficiency (Hypochromic) Anemias; (3) A Preparation for Use in Oral Treatment of Estrogenic Deficiencies; and (4) A Preparation for Use in the Treatment of Secondary Anemias.

Claims use on item (1) since Oct. 21, 1938; item (2), since May 14, 1935; item (3), since Sept. 16, 1932; and Item (4), since Feb. 5, 1937.

Ser. No. 421,895. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed July 24, 1939.

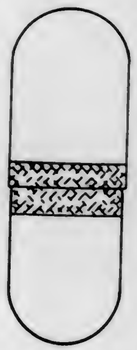


The trade-mark consists of a brown band applied approximately around the middle of the capsule. The representation of the capsule is disclaimed.

For a Preparation for Use in the Treatment of Various Types of Biliary Disturbances, and a Preparation for Use in Oral Treatment of Estrogenic Deficiencies.

Claims use on item (1) since June 2, 1938; and item (2), since Jan. 28, 1939.

Ser. No. 421,896. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed July 24, 1939.

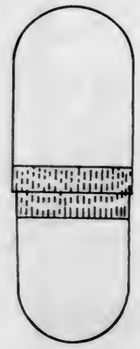


The mark consists of an orange band applied approximately around the middle of the capsule. The representation of the capsule is disclaimed.

For Preparation for Use in the Treatment of Certain Cases of Epilepsy.

Claims use since June 23, 1938.

Ser. No. 421,897. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed July 24, 1939.



The mark consists of a purple band applied approximately around the middle of the capsule. The representation of the capsule is disclaimed.

For Preparation for Use in the Treatment of Various Conditions of Pain and Discomfort, Especially When Associated with Nervousness..

Claims use since Sept. 20, 1934.

Ser. No. 421,898. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed July 24, 1939.



The mark consists of a white band applied approximately around the middle of the capsule. The representation of the capsule is disclaimed.

For Preparation for Use in the Treatment of Various Conditions of Pain and Discomfort, Especially When Associated with Nervousness..

Claims use since Dec. 6, 1935.

Ser. No. 421,899. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed July 24, 1939.



The mark consists of a blue band applied approximately around the middle of the capsule. The representation of the capsule is disclaimed.

For Preparation for Use in Oral Treatment of Estrogenic Deficiencies.

Claims use since June 30, 1936.

Ser. No. 422,480. JOHN A. MILLAR COMPANY, INCORPORATED, Newark, N. J. Filed Aug. 10, 1939.

KOAGAMIN
COAGULANT
MILLAR

The words "Coagulant" and "Millar" are disclaimed except as shown.

For Hemostatic Preparations.

Claims use since March, 1939.

Ser. No. 422,645. THE WILSON CHEMICAL COMPANY, INC., Tyrone, Pa. Filed Aug. 15, 1939.

Cloverine

For Tooth Paste.
Claims use since Mar. 15, 1910.

Ser. No. 422,673. SOLON PALMER, New York, N. Y. Filed Aug. 16, 1939.

BROCADE

For Perfumes, Toilet Waters, Face Powder, Bath Salts, and Cologne.
Claims use since July, 1926.

Ser. No. 422,763. ROBERT C. WHITE, Falls of Schuylkill, Philadelphia, Pa. Filed Aug. 17, 1939.

Al-o-nets

For Chocolate-Coated Compressed Medicinal Tablets for Use as Laxatives, Evacuants, and Cathartics.
Claims use since Feb. 15, 1918.

Ser. No. 422,766. ROBERT C. WHITE, Falls of Schuylkill, Philadelphia, Pa. Filed Aug. 17, 1939.

Sep-to-nets

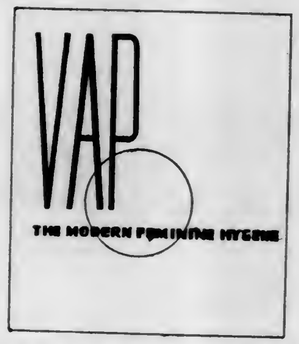
For Prophylactic Antiseptic Throat Tablets.
Claims use since Feb. 15, 1918.

Ser. No. 422,849. ANSBACHER SIEGLE CORPORATION, New York, N. Y. Filed Aug. 22, 1939.

CALATOX

For Insecticidal Material.
Claims use since Aug. 22, 1930.

Ser. No. 422,973. DIKON LABORATORIES, INCORPORATED, Indianapolis, Ind. Filed Aug. 24, 1939.



No claim is made to the words "The Modern Feminine Hygiene" apart from the mark nor to the representation of the label per se.
For Medicine Used as a Vaginal Antiseptic.
Claims use since Jan. 1, 1938.

Ser. No. 423,005. PEARSON PHARMACAL COMPANY, INC., New York, N. Y. Filed Aug. 25, 1939.

Eye-Dew

For Eye Lotion.
Claims use since June 21, 1937.

Ser. No. 423,148. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Aug. 30, 1939.

QUARCYL

For Preparation for the Treatment of Intestinal Strongylosis in Horses (Infestation by Strongylus Vulgaris, Edentatus, and Equinus, Also by Species of Trichonema and Triodontophorus).
Claims use since July 31, 1939.

Ser. No. 423,189. REYNOLDS WHELAN, Sharpsville, Pa. Filed Aug. 31, 1939.

"23"

For Antiseptic and Germicide Having Incidental Cleansing and Bleaching Properties.
Claims use since Feb. 5, 1934.

Ser. No. 423,240. TAYTON COMPANY, Kansas City, Mo. Filed Sept. 1, 1939.



The background of the trade-mark is shaded for the color rose. The band traversing the mark horizontally above the medallion and the frames of the medallion itself are gold. The silhouette is fanciful. No claim is made to the outline of a label, panel or wrapper.
For Astringent, Brilliantine, Hair Oil, and Lotions Indicated for Use as Beauty, Cosmetic, and Toilet Preparations.
Claims use since Dec. 27, 1935.

Ser. No. 423,242. TAYTON COMPANY, Kansas City, Mo. Filed Sept. 1, 1939.



The silhouette is fanciful.
For Compacts, Creams, Facial Packs, Lipsticks, Masks, Powders, and Rouges Indicated for Use as Beauty, Cosmetic, and Toilet Preparations.
Claims use since Dec. 27, 1935.

Ser. No. 423,309. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Sept. 5, 1939.

THYDRON

For Tonic Containing Iron.
Claims use since Aug. 15, 1939.

Ser. No. 423,406. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Sept. 8, 1939.

ANSCO

For Chemicals and Preparations and Compounds Thereof Used in Photographic Processes.
Claims use since July 1, 1902.

Ser. No. 423,488. D. BLUM & CO., INC., New York, N. Y. Filed Sept. 11, 1939.

4 Star

For Moth Crystals.
Claims use since February, 1937.

Ser. No. 423,522. THE CURRAN CORPORATION, Malden, Mass. Filed Sept. 12, 1939.

MOTOR PURGE

For Emulsifying and Scouring Solvent for Cleaning, Desludging, and Decarbonizing the Inside of Gasoline or Diesel Engines.
Claims use since 1933.

Ser. No. 423,575. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 13, 1939.

PROHEXINOL

For Preparations for Use as Antiseptics, for Use as Vaso-Constrictors, and for Use for Nasal Decongestion, or for Any Combinations of Such Uses.
Claims use since Sept. 5, 1939.

Ser. No. 423,954. IRRESISTIBLE, INC., Jersey City, N. J. Filed Sept. 26, 1939.

PRINCESS ZINA

For Perfume.
Claims use since Aug. 28, 1939.

Ser. No. 423,995. AMFRE DRUG CO., INC., New York, N. Y. Filed Sept. 28, 1939.

SOVALID

For Medicinal Preparation Used as a Hypnotic and Sedative.
Claims use since Sept. 19, 1939.

Ser. No. 424,008. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Filed Sept. 28, 1939.

ALLYPENTAL

For Chemical Compound in the Form of Tablets or Suppositories or Other Pharmaceutical Form Used in the Treatment of Insomnia.
Claims use since Jan. 12, 1938.

Ser. No. 424,074. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Sept. 30, 1939.

AMO ZERO

For Anti-Freeze Products for Radiators of Automobiles.
Claims use since Sept. 25, 1939.

Ser. No. 424,081. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Sept. 30, 1939.

ZEREX

For Anti-Freeze Solutions for Automobile Radiators.
Claims use since Sept. 21, 1939.

CLASS 7

Cordage

Ser. No. 423,301. JOHN H. GRAHAM & CO., INC., New York, N. Y. Filed Sept. 5, 1939.

King Cotton



No claim is made to the word "Cotton" apart from the mark.
For Braided and Twisted Cotton Cord and Twine, Particularly Braided Sash Cord, Braided Mason's Line, Braided Drapery Cord, Twisted Cotton Rope, Chalk Line, and Seine Twine.
Claims use since 1934.

CLASS 11

Inks and Inking Materials

Ser. No. 423,829. REMINGTON RAND INC., Buffalo, N. Y. Filed Sept. 21, 1939.

CLIPPER

For Carbon Paper.
Claims use since Apr. 1, 1932.

Ser. No. 423,830. REMINGTON RAND INC., Buffalo, N. Y. Filed Sept. 21, 1939.

OASIS

For Typewriter Ribbons.
Claims use since June 25, 1934.

Ser. No. 424,055. THE NELSON-EISMANN COMPANY, Chicago, Ill. Filed Sept. 29, 1939.



For Typewriter Ribbons.
Claims use since Aug. 8, 1939.

CLASS 12

Construction Materials

Ser. No. 393,895. CLADITE INCORPORATED, New York, N. Y. Filed June 10, 1937.

CLADITE

For Protective Preparation for Coating Wood, Metal, Concrete, Stone, and Other Structural Materials.
Claims use since May 1, 1936.

Ser. No. 413,628. THE FIBRE CONDUIT COMPANY, Orangeburg, N. Y. Filed Dec. 9, 1938.

ALKACID

For Conduit, Ducts, and Pipes Made of Non-Metallic Composition Material, and Fittings for the Same.
Claims use since Apr. 7, 1938.

Ser. No. 421,808. ESTATE OF H. B. FRED. KUHLS, New York, N. Y. Filed July 21, 1939.

TROWELAST

For Preparation in the Nature of a Calking Compound Used for Waterproofing, Filling, Surfacing, Furring Up of Dents, Cracks, Seams, Pits, Rivet Heads, Etc., on Steel, Iron, Aluminum, Wood, Canvas, Concrete, Etc.
Claims use since Jan. 1, 1939.

Ser. No. 423,337. THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Sept. 6, 1939.

KUROKROME

For Material for Curing, Protecting, and Coloring Concrete Surfaces.
Claims use since Sept. 1, 1938.

Ser. No. 423,970. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 27, 1939.

C-S-I

For Structural Insulating Materials and for Interior Finish Materials, Insulating Board, Insulating Lath, Asphalted Insulating Lath, Asphalted Insulating Sheathing, Finish Plank and Tile Boards of Insulating Material, and Moldings Therefor, Used as Construction Materials.
Claims use since Apr. 17, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 420,778. THE RAWLPLUG COMPANY, INC., New York, N. Y. Filed June 21, 1939.

SOCKITS

For Self-Anchoring Drive Sleeve Fasteners Used for Directly Fastening Parts to Masonry or Other Materials in Lieu of Nails, Screws, and the Like.
Claims use since June 5, 1939.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 419,814. LUKENS STEEL COMPANY, Coatesville, Pa. Filed May 25, 1939.

TORSHAPE

For Flame-Cut Steel Plates.
Claims use since May 4, 1939.

Ser. No. 421,521. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa. Filed July 13, 1939.

TECHNI-KROME

The word "Krome" is disclaimed apart from the mark.
For Unfinished Iron and Steel Castings Generally Consisting of More Than 80% of Metallic Iron.
Claims use since June 30, 1939.

Ser. No. 423,422. MARTIN KURZER, New York, N. Y. Filed Sept. 8, 1939.

BRONZOCHROM

For Metal Alloys in Rod and Wire Form Used in Welding and for Core Solder.
Claims use since 1937.

CLASS 15

Oils and Greases

Ser. No. 370,120. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Oct. 7, 1935.



No claim is made to the word "Polymerized" apart from the mark.
For Gasoline.
Claims use since Sept. 27, 1935.

Ser. No. 411,683. DRYER, CLARK & DRYER OIL COMPANY, Oklahoma City, Okla. Filed Oct. 17, 1938.



The words "1 Lb. Net", "100% Lubricant", and "Oklahoma City, Oklahoma" are all disclaimed apart from the mark. The drawing is lined for green.
For Lubricating Oils and Greases.
Claims use since June, 1926.

Ser. No. 422,140. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio. Filed July 31, 1939.

LUBRI D ZEL

Applicant disclaims "D Zel" apart from the mark.
For Lubricating Oils and Greases, Lubricating Oil Compounds, and Motor Lubricating Oils.
Claims use since July 20, 1939.

Ser. No. 423,860. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Sept. 22, 1939.

PARAPRIDE

For Lubricating Oils and Greases.
Claims use since June 13, 1939.

Ser. No. 423,909. BODIE-HOOVER PETROLEUM CORPORATION, Chicago, Ill. Filed Sept. 25, 1939.

COLLOIDIUM

For Fuel Oil.
Claims use since July 15, 1939.

Ser. No. 423,911. GULF OIL CORPORATION, Pittsburgh, Pa. Filed Sept. 25, 1939.

PARAMOUNT

For Lubricating Oils.
Claims use since Aug. 1, 1916.

CLASS 16

Paints and Painters' Materials

Ser. No. 393,896. CLADITE INCORPORATED, New York, N. Y. Filed June 10, 1937.

CLADITE

For Metallic-Content Liquid Composition in the Nature of a Paint Adapted to Form a Protective Finish and to be Applied in a Manner Similar to a Paint.
Claims use since May 1, 1936.

Ser. No. 397,500. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Filed Sept. 17, 1937.



The words "Products" and "Steel-Kote" are disclaimed apart from the mark. The drawing is lined for red.
For Ready-Mixed Paints.
Claims use since Sept. 15, 1913.

Ser. No. 422,697. FORMAN, FORD AND COMPANY, Minneapolis, Minn. Filed Aug. 17, 1939.

FORMANITE

For Outside Paints, Interior Paints, Paint Enamels, Stains, Fillers, Colors in Oil, Calsomine, Putty, Paint Roof Coating, Varnishes, Floor Sealer Wax, Furniture and Floor Polish, Paint and Varnish Removers, Turpentine, Linseed Oil, Shellac, Dry Paste Paints.
Claims use since 1900.

Ser. No. 423,024. WALTER L. FIELD, doing business as Mac-O-Lac Paints, Detroit, Mich. Filed Aug. 26, 1939.

SEAL-HIDE

The representation of the label is disclaimed apart from the mark.
For Ready Mixed Paints, Varnishes, and Paint Enamels.
Claims use since Mar. 1, 1936.

Ser. No. 423,968. BUTLER NAVAL STORES COMPANY, INC., Butler, Ga. Filed Sept. 27, 1939.



For Turpentine.
Claims use since July 19, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 412,384. MITSUI & CO. LTD., New York, N. Y. Filed Nov. 4, 1938.



For Bicycles and Parts Thereof—to wit, Pedals, Handle Bars, Forks, Seats, Cranks, Hubs, Coaster Brakes, Wheels, Spokes, and Rims.
Claims use since January, 1932.

Ser. No. 420,555. THE WHITE MOTOR COMPANY, Cleveland, Ohio. Filed June 15, 1939.



For Automobiles.
Claims use since May 12, 1939.

Ser. No. 420,556. THE WHITE MOTOR COMPANY, Cleveland, Ohio. Filed June 15, 1939.

White Horse

For Automobiles.
Claims use since May 12, 1939.

Ser. No. 423,063. THE MONTPELIER MANUFACTURING CO., Montpelier, Ohio. Filed Aug. 28, 1939.

URBAN

For Motor Delivery Trucks and Structural Parts Thereof.
Claims use since 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 420,992. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed June 27, 1939.

MONOMATIC

For Radios and Accessories Including Aerial Kits.
Claims use since Apr. 20, 1939.

Ser. No. 420,993. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed June 27, 1939.

TRIMATIC

For Radios and Accessories Including Aerial Kits.
Claims use since Apr. 20, 1939.

Ser. No. 421,484. ISOLANTITE INC., Belleville, N. J. Filed July 12, 1939.

ISO-Q

For Ceramics of the Nature of Porcelain and Having Electrical Insulating Characteristics for Use in the Electrical, Communications, and Electronic Industries.
Claims use since June 22, 1939.

Ser. No. 424,100. PHELPS DODGE COPPER PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 30, 1939.

CLIMATITE

For Transformers.
Claims use since Dec. 31, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 410,736. IVORYCRAFT CO., INC., Long Island City, N. Y. Filed Sept. 19, 1938.



The drawing is lined for red, green, and blue. The four characters appearing in the drawing next to the figure indicate East Wind, South Wind, West Wind, and North Wind, respectively. All the wording, the game pieces, and the outline of the label are disclaimed apart from the mark shown.
For Chinese Game Played With Pieces Somewhat Similar to Dominoes.
Claims use since Sept. 15, 1938.

Ser. No. 420,190. ROBERT TELLER, SONS & DORNER, New York, N. Y. Filed June 5, 1939.

OUTLAW RUMMY

Applicant disclaims the word "Rummy" apart from the mark.
For Games To Be Played With a Game Board Layout, Playing Cards, and Chips.
Claims use since Feb. 1, 1939.

Ser. No. 423,680. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Sept. 16, 1939.

KRO-FLITE

For Golf Balls, Golf Clubs, and Rackets.
Claims use since Oct. 24, 1919.

Ser. No. 424,473. JACK GALTER, Chicago, Ill. Filed Oct. 12, 1939.

FALCON

For Toy and Model Airplanes and Parts Thereof.
Claims use since Sept. 12, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 423,882. G. W. GRIFFIN CO., Franklin, N. H. Filed Sept. 23, 1939.

Griffin
A.G.S.

For Hack Saw Blades.
Claims use since July 31, 1939.

Ser. No. 424,069. THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Sept. 29, 1939.

FLEX-BEAM

For Hand Operated Tools—Namely, Axes, Cultivators, Cutters, Lettuce Cutters; Thistle, Dock, and Weed Cutters, D-handles for Tools, Drags, Manure Drags, Potato Drags, Phosphate Drags, Stone Drags, Edgers, Lawn Edgers, Turf Edgers, Forks, Light and Heavy Forks, Alfalfa Forks, Asphalt Forks, Baling Forks, Ballast Forks, Barley Forks, Beet Forks, Clover Forks, Coal Forks, Coal Scoop Forks, Coke Forks, Cotton Seed Forks, English Digging Forks, Ensilage Forks, Fish Forks, Floral Spading Forks, Grain Forks, Hay Forks, Header Forks, Manure Forks, Mill Forks, Phosphate Forks, Potato Digging Forks, Pulp Forks, Shaving Forks, Spading Forks, Street Forks, Stone Forks, Stone Picker Forks, Tanners' Forks, Tar Forks, Vegetable Scoop Forks, Floral Garden Tools, Ice Chisels, Hoes, Beet Hoes, Blackland Hoes, Boys' Hoes, Corn Hoes, Cotton Hoes, Cotton Chopper Hoes, Cultivator Hoes, Eye Hoes, Field Hoes, Floral Hoes, Garden Hoes, Grading Hoes, Grape Hoes, Grub Hoes, Handled Sprouting Hoes, Handled Square Eye Hoes, Ladies' Hoes, Mattock Hoes, Meadow Hoes,

Mortar Hoes, Mortar Mixer Hoes, Nursery Hoes, Nurserymen's Hoes, Onion Hoes, Planter Hoes, Rhode Island Hoes, Riveted Hoes, Scuffle Hoes, Sprouting Hoes, Strawberry Hoes, Street Hoes, Sugar Beet Hoes, Thinning Hoes, Tobacco Hoes, Warren Hoes, Weeding Hoes, Whirlwind Hoes, Clam Hooks, Garbage Hooks, Manure Hooks, Nurserymen's Hooks, Phosphate Hooks, Potato Hooks, Refuse Hooks, Stone Hooks, Lawn Combs, Pokers, Rakes, Asphalt Rakes, Brume Rakes, Clam Rakes, Curved Tooth Rakes, Dandelion Rakes, Flat Bow Rakes, Floral Rakes, Garden Rakes, Gravel Rakes, Lawn Rakes, Level Head Rakes, Malleable Rakes, Pine Needle Rakes, Road Rakes, Round Bow Rakes, Single Shank Rakes, Steel Rakes, Stone Rakes, Tar Rakes, Two-Man Rakes, Wire Lawn Rakes, Seedling Setters, Scoops, Scrapers, Barn Floor Scrapers, Chicken House Scrapers, Deck Scrapers, Floor Scrapers, Ship Scrapers, Shovels, Fire Shovels, Floral Shovels, Side Walk Cleaners, Sod Lifters, Spades, Concrete Spades, Hand Spades, Tool Handles and Parts Thereof, Trowels, Garden Trowels, Nurserymen's Trowels, Transplanting Trowels, Weeders, Dandelion Weeders, Hand Weeders, Onion Weeders.
Claims use since Sept. 1, 1939.

CLASS 24

Laundry Appliances and Machines

Ser. No. 424,088. HENRICI LAUNDRY MACHINERY COMPANY, Boston, Mass. Filed Sept. 30, 1939.

CYCLONE

For Laundry Washing Machines.
Claims use since Mar. 24, 1939.

CLASS 25

Locks and Safes

Ser. No. 423,823. NATIONAL LOCK CO., Rockford, Ill. Filed Sept. 21, 1939.

N.L. CO. Rockford

Applicant disclaims the word "Rockford" apart from the mark.
For Locks and Keys.
Claims use since December, 1928.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 424,013. E. B. MEYROWITZ, INC., New York, N. Y. Filed Sept. 28, 1939.

Meyflex

For Ophthalmic Lenses.
Claims use since Sept. 8, 1939.

Ser. No. 424,036. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed Sept. 29, 1939.

CARBANALYZER

For Instrument to Determine the Carbon Content of a Steel Bath.
Claims use since Sept. 15, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 417,730. ZELL BROTHERS, INC., Portland, Oreg. Filed Mar. 31, 1939.

Blossom Time

For Wedding Rings, Plain Rings, Rings with Jewel Settings, Silver Knives, Silver Forks, Silver Spoons, Silver Coffee Pots, Silver Tea Pots, Silver Creamers, Silver Sugar Bowls and Silver Condiment Holders.
Claims use since Mar. 1, 1939.

Ser. No. 421,341. COHN & ROSENBERGER, INC., New York, N. Y. Filed July 7, 1939.

"Quivering Camellia"

For Necklaces and Bracelets, Earrings, Jewelry Clips, Brooches, Lockets, and the Following Goods Made in Whole or in Part of Precious Metal or Plated with the Same; Beads, Pins, Hat Ornaments, Hair Ornaments, Holders for Face Powder Compacts, Comb Cases, Cigarette Cases, Fancy Cigarette Boxes, Fancy Buckles, and Jewelry Initials.
Claims use since May, 1939.

Ser. No. 422,657. COHN & ROSENBERGER, INC., New York, N. Y. Filed Aug. 16, 1939.



For Necklaces and Bracelets, Finger Rings, Earrings, Jewelry Clips, Brooches, Lockets, and the Following Goods Made in Whole or in Part of Precious Metal or Plated with the Same; Beads, Pins, Hat Ornaments, Hair Ornaments, Holders for Face Powder Compacts, Comb Cases, Cigarette Cases, Fancy Cigarette Boxes, Fancy Buckles, and Jewelry Initials.
Claims use since July, 1939.

Ser. No. 424,097. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Sept. 30, 1939.

LIDO

For Silver Plated Flatware.
Claims use since Feb. 15, 1938.

Ser. No. 424,098. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Sept. 30, 1939.

RIO

For Silver Plated Flatware.
Claims use since Mar. 15, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 419,750. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed May 24, 1939.

ESCO

For Casket Pedestals, Day Beds, Bed Ends, Cots, Chair Cots, Couch Boards, Prayer-Rails, Biers, Stands.
Claims use since Aug. 1, 1896.

Ser. No. 421,891. NACHMAN SPRINGFILLED CORPORATION, Chicago, Ill. Filed July 24, 1939.

RESILATEX

For Resilient Pads for Mattresses and Cushions.
Claims use since June 10, 1939.

Ser. No. 421,892. NACHMAN SPRINGFILLED CORPORATION, Chicago, Ill. Filed July 24, 1939.

RESILATEX

For Spring Assemblies for Upholstery and Upholstery Units.
Claims use since June 10, 1939.

Ser. No. 424,477. HOWARD L. HILL, doing business as Hilco Products, New York, N. Y. Filed Oct. 12, 1939.

Hilco

For Mirrors, Utility Storage Cabinets, Medicine Cabinets, Tables, Chairs, Towel Horses, and Bathroom Stools.
Claims use since Oct. 30, 1937.

CLASS 33

Glassware

Ser. No. 413,872. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Dec. 15, 1938.



The mark is a green helical stripe. Representation of the goods is disclaimed.
For Glass Rods and Tubing.
Claims use since Nov. 29, 1938.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 421,260. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed July 3, 1939.

SUPER-THERM

For Burners for Gas Cooking Ranges.
Claims use since Dec. 24, 1937.

Ser. No. 423,029. JOSEPH J. MALIR, JR., doing business as Luxogas Co., Denver, Colo. Filed Aug. 26, 1939.

LUXOGAS

For Gas Generating Plants.
Claims use since Aug. 1, 1939.

Ser. No. 423,030. BENEDICT MANDELBURG, New York, N. Y. Filed Aug. 26, 1939.

COLUMBIA



STEEL

HEAT KABINET

No claim is made to the wording apart from the mark.
For Steel Boilers.
Claims use since Aug. 14, 1939.

Ser. No. 423,330. CONSTRUCTION PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 6, 1939.

VENT-O-BRICK

For Louver Wall Ventilators.
Claims use since Mar. 21, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 422,051. GOLDBLATT BROTHERS, INC., Chicago, Ill. Filed July 28, 1939.

APOLLO

For Vehicle Tires Made Wholly or Partly of Rubber.
Claims use since May 11, 1939.

CLASS 37

Paper and Stationery

Ser. No. 423,306. KURTZ BROS., INC., Clearfield, Pa. Filed Sept. 5, 1939.

RINGLINE

For Composition Books, Notebooks, and Spelling Blanks.
Claims use since May 14, 1939.

Ser. No. 424,197. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Oct. 4, 1939.

FLIGHTLETTER

For Stationery Consisting of Writing Paper and Envelopes.
Claims use since Sept. 28, 1939.

CLASS 38

Prints and Publications

Ser. No. 403,420. PROGRESS PUBLISHING CO. INC., Hammond, La. Filed Feb. 25, 1938.

THE PROGRESS

For Weekly Newspaper.
Claims use since June 11, 1937.

Ser. No. 416,443. MARCHANT CALCULATING MACHINE COMPANY, Emeryville, Calif. Filed Feb. 23, 1939.

MATH-MECHANICS

For Trade Journal.
Claims use since Feb. 11, 1935.

Ser. No. 420,449. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed June 13, 1939.

The Neighbors

For Series of Cartoons.
Claims use since Apr. 17, 1939.

Ser. No. 421,502. THE ARIZONA HOTEL ASSOCIATION, INC., Phoenix, Ariz. Filed July 13, 1939.



For Bulletin Published from Time to Time.
Claims use since April, 1938.

Ser. No. 422,218. LOUIS ROCKWELL AND LEONARD FOWLER, Carpentersville, Ill. Filed Aug. 2, 1939.

AMERICANISM

For Series of Patriotic Articles.
Claims use since May, 1936.

Ser. No. 423,737. MCKENZIE ENGRAVING COMPANY, Boston, Mass. Filed Sept. 19, 1939.

"PERFUME OF THE MONTH"

For Greeting Cards.
Claims use since Sept. 8, 1939.

Ser. No. 424,031. THE CONDE NAST PUBLICATIONS, INC., New York, N. Y. Filed Sept. 29, 1939.

Under twenty—

For Magazine Section.
Claims use since Sept. 26, 1939.

Ser. No. 424,091. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Sept. 30, 1939.

FAMILY PORTRAITS

For Newspaper Cartoons.
Claims use since Sept. 17, 1939.

Ser. No. 424,704. THELMA M. CONERLY, doing business as Conerly Press Features, Washington, D. C. Filed Oct. 14, 1939.

SCOOPER'S NEWS

For Periodical Publication.
Claims use since July 12, 1939.

CLASS 39

Clothing

Ser. No. 410,512. IRA M. LONGINI, doing business as Longini Shoe Mfg. Co., Cincinnati, Ohio. Filed Sept. 13, 1938.

Dr. H. B. Mersmann FITTING POINT MAGIC

No claim is made to the words "Fitting Point" apart from the mark. The facsimile signature is that of Dr. H. B. Mersmann.
For Leather Shoes for Women, Misses, and Boys.
Claims use since November, 1937.

Ser. No. 413,296. M. & B. COHEN CO., New York, N. Y. Filed Nov. 30, 1938.



No claim is made to the word "Fashions" apart from the mark.
For Men's and Young Men's Suits, Overcoats, Topcoats, Sportcoats, Mackinaws, Vests, and Trousers, of Woolen and Worsted Piece Goods.
Claims use since Sept. 27, 1937.

Ser. No. 413,720. JOSEPH MARCUS, New York, N. Y. Filed Dec. 12, 1938.



GOLDEN GLOVERS

The words "Golden Glovers" are disclaimed except as shown. The pictures of the men are fanciful.
For Men's and Boys' Sweaters and Sweat Shirts.
Claims use since Nov. 12, 1938.

Ser. No. 414,281. JOSEPH STEIN COATS, INC., New York, N. Y. Filed Dec. 28, 1938.



The drawing is lined for red. The words "Isle Tweeds" are disclaimed apart from the mark.
For Ladies' and Misses' Coats, Suits.
Claims use since Dec. 10, 1938.

Ser. No. 416,705. SPALSBURY-STEIS-DEEVERS SHOE COMPANY, Fredericktown and St. Louis, Mo. Filed Mar. 4, 1939.

S-O-S

For Shoes, Principally of Leather.
Claims use since Nov. 1, 1938.

Ser. No. 417,841. JULIUS KAYSER & CO., New York, N. Y. Filed Apr. 4, 1939.

DUOSUEDE

For Ladies' Gloves.
Claims use since Mar. 21, 1939.

Ser. No. 420,107. LOMBARDI MFG. CO., Hartford, Conn. Filed June 2, 1939.



No claim is made to the term "Tailored Classics" apart from the mark.

For Women's and Misses' Tailored Sportswear Dresses.

Claims use since September, 1938.

Ser. No. 420,181. HERMAN M. MCDONALD, Chicago, Ill. Filed June 5, 1939.

Kut-Ups

For Athletic Shirts, Shorts, and Knitted Underwear for Men, Boys, Women, and Girls.

Claims use since Apr. 20, 1939.

Ser. No. 421,198. RITTER BROS., INC., New York, N. Y. Filed July 1, 1939.



Applicant disclaims the word "Registered" and the representation of the mink apart from the mark.

For Fur Coats Made of the Fur of Minks.

Claims use since June 19, 1939.

Ser. No. 421,722. YOUNG BROS., New York, N. Y. Filed July 18, 1939.

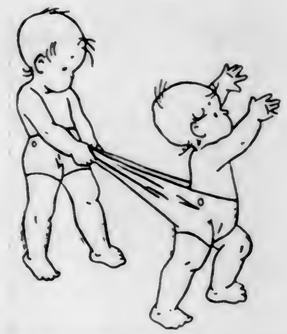


Bolero

For Ladies' Hosiery.

Claims use since Jan. 10, 1936.

Ser. No. 422,009. INTERNATIONAL LATEX CORPORATION, Dover, Del. Filed July 27, 1939.



For Wnter-Proof Pants for Babies.

Claims use since Dec. 23, 1937.

Ser. No. 422,895. ECLIPSE KNITTING MILLS, INC., East Newark, N. J. Filed Aug. 23, 1939.

Chums

For Knitted and Woven Garments—Namely, Skirts, Sweaters, and Cardigans.

Claims use since July 12, 1937.

Ser. No. 422,907. NORTHMONT HOSIERY CORPORATION, Reading, Pa. Filed Aug. 23, 1939.

Northmont TRIPLE BLENDED HOSIERY

The words "Triple Blended" and "Triple Blended Hosiery" are disclaimed apart from the mark.

For Hosiery.

Claims use since June 19, 1939.

Ser. No. 423,085. BARNETT COHEN, INC., New York, N. Y. Filed Aug. 29, 1939.

Lloyd and Thomas

For Shoes Made of Leather, Rubber Fabric, or Combinations Thereof.

Claims use since July 28, 1939.

Ser. No. 423,095. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Aug. 29, 1939.

Luxite Luxglo

For Underwear for Women and Misses.

Claims use since Aug. 2, 1939.

Ser. No. 423,096. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Aug. 29, 1939.

Luxite Luxdown

For Bedjackets, Nightgowns, Pajamas, and Underwear for Women and Misses.

Claims use since July 26, 1939, applied to pajamas; since Aug. 17, 1939, applied to bedjackets; and since Aug. 18, 1939, applied to gowns and underwear.

Ser. No. 423,097. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Aug. 29, 1939.

Luxite Luxspun

For Slips and Underwear for Women and Misses.

Claims use since Aug. 11, 1939, on slips; since Aug. 23, 1939, on underwear.

Ser. No. 423,098. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Aug. 29, 1939.

Velvalux

by Luxite

For Bedjackets and Robes.

Claims use since July 26, 1939.

Ser. No. 423,137. JOHNSON & BALLIET, Pittsburgh, Pa. Filed Aug. 30, 1939.

Tech

For Men's Underwear, Outer Shirts, Undershirts and Jackets, Hosiery, Belts in the Nature of Garment Supporters, Suspenders, Sweaters, Neckties, Leather and Fabric Gloves, Handkerchiefs, Pajamas, Night Shirts, Bathing Shirts and Trunks, Bathing Suits, and Garters.

Claims use since Sept. 2, 1938.

Ser. No. 423,281. TROJAN HOSIERY MILLS, INCORPORATED, Indianapolis, Ind. Filed Sept. 2, 1939.



The words "Pure Silk Thread" and the representation of the goods are disclaimed apart from the mark.

For Silk Hosiery.

Claims use since Aug. 10, 1937.

Ser. No. 423,307. LORCH MANUFACTURING COMPANY, Dallas, Tex. Filed Sept. 5, 1939.

Gay Deceiver

For Women's Dresses, Coats, and Costume Suits.

Claims use since July 25, 1939.

Ser. No. 423,313. RALEIGH MANUFACTURERS INCORPORATED, New York, N. Y. Filed Sept. 5, 1939.

March-Mont Clothes

Applicant disclaims the word "Clothes" apart from the mark.

For Men's and Boys' Suits, Overcoats, Topcoats, Sportcoats, Mackinaws, Vests, and Trousers.

Claims use since Jan. 2, 1939.

Ser. No. 423,375. ETTELBRICK SHOE COMPANY, Greenup, Ill. Filed Sept. 7, 1939.

AK-TIV-TOES

For Children's Shoes Made of Leather, Rubber, and Fabric, and Combinations of Said Materials.
Claims use since June 14, 1939.

Ser. No. 423,376. ETTELBRICK SHOE COMPANY, Greenup, Ill. Filed Sept. 7, 1939.

FLEX-E-TOES

For Children's Shoes Made of Leather, Rubber, Fabric, and Combinations of Said Materials.
Claims use since June 20, 1939.

Ser. No. 423,444. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn. Filed Sept. 8, 1939.

UNDERFAIRS

For Underwear for Women and Children.
Claims use since July 15, 1939.

Ser. No. 423,469. JOSEPH LINSK, Philadelphia, Pa. Filed Sept. 9, 1939.

CAROL LEE FROCKS

Applicant disclaims the word "Frocks" apart from the mark.
For Children's Dresses, Sizes One to Six.
Claims use since Aug. 25, 1939.

Ser. No. 423,497. HANSEN GLOVE CORPORATION, Milwaukee, Wis. Filed Sept. 11, 1939.

PUNTER

For Leather Gloves.
Claims use since Aug. 30, 1939.

Ser. No. 423,663. CHARLES HIRSHEY CLOTHING CO., Baltimore, Md. Filed Sept. 16, 1939.

Styletimed

For Coats, Vests, Trousers, Knickerbockers, Top Coats and Overcoats, and Shirts for Men, Youths, and Boys; Ladies' Sport Coats, Trousers, and Shirts.
Claims use since Sept. 12, 1939.

Ser. No. 423,693. CHICAGO RUBBER CLOTHING COMPANY, Racine, Wis. Filed Sept. 18, 1939.

ZIPRAIN

For Raincoats.
Claims use since Mar. 25, 1935.

Ser. No. 423,738. LEO M. PFAELZER, New York, N. Y. Filed Sept. 19, 1939.

JIG-GORA

For Hats of the Calotte or Tam Type.
Claims use since Sept. 15, 1939.

Ser. No. 423,750. BRIT-TEX CLOTHES LTD., New York, N. Y. Filed Sept. 20, 1939.



Brit-tex

For Men's, Women's, and Boys' Suits, Sport Coats, Trousers, Coats, Topcoats, and Overcoats.
Claims use since Aug. 18, 1939.

Ser. No. 423,756. DRUEDING BROTHERS COMPANY, Philadelphia, Pa. Filed Sept. 20, 1939.

PYRO-GALLO

For Sweat Bands Made of Leather for Hats.
Claims use since Sept. 1, 1939.

Ser. No. 423,773. WILLIAM NETZKY, doing business as Susquehanna Waist Company, Philadelphia, Pa. Filed Sept. 20, 1939.

CHU CHANG

For Ladies' Blouses and Shirts.
Claims use since Sept. 11, 1939.

Ser. No. 423,786. ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed Sept. 21, 1939.

CORSEES

For Girdles, Brassières, and Corsets, and Combinations Thereof.
Claims use since May 24, 1939.

Ser. No. 423,789. BOND STORES, INCORPORATED, New York, N. Y. Filed Sept. 21, 1939.

"BAL-ZIP"

For Men's and Boys' Topcoats and Overcoats.
Claims use since July 19, 1939.

Ser. No. 423,808. ALFRED HALE RUBBER COMPANY, Quincy, Mass. Filed Sept. 21, 1939.

SOLAIRE

For Rubber Soles for Shoes.
Claims use since July 28, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 411,311. RIDGWAY, WHITING & BODENSCHATZ, INC., Nutley, N. J. Filed Oct. 5, 1938.

RIDBO

For Piece Goods Made Wholly or Partially of Cellulose or Cellulose Derivatives and Combinations Thereof.
Claims use since Feb. 23, 1938.

Ser. No. 415,146. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 23, 1939.

MOTH-OFF

The words "Moth-Off" are disclaimed apart from the mark.
For Blankets and Piece Goods Containing Wool.
Claims use since Aug. 1, 1938.

Ser. No. 422,401. EUREKA WOOLEN MILLS, Eureka, Calif. Filed Aug. 8, 1939.

California EUREKA Buckaroo

The word "California" is disclaimed apart from the mark.
For Piece Goods Made of Wool, and Cotton and Wool.
Claims use since May 10, 1939.

Ser. No. 423,977. GOLDING BROS. COMPANY, INC., New York, N. Y. Filed Sept. 27, 1939.

SANI-PERMA

For Piece Goods Made of Cotton, Wool, Rayon, and Mixtures of Same.
Claims use since Aug. 1, 1939.

Ser. No. 424,051. NASHUA MANUFACTURING COMPANY, Boston, Mass. Filed Sept. 29, 1939.

INDIAN HEAD



For Sheets and Pillow Cases.
Claims use since Apr. 2, 1934.

Ser. No. 424,092. A. D. JUILLIARD & CO., INC., New York, N. Y. Filed Sept. 30, 1939.

COOLEROY

For Corduroy Goods in the Piece.
Claims use since Sept. 20, 1939.

Ser. No. 424,107. J. L. STIFEL & SONS, INC., Wheeling, W. Va. Filed Sept. 30, 1939.

MENLO

For Fabrics Made of Cotton, Rayon, and Other Mixed Fibers.
Claims use since Aug. 16, 1939.

CLASS 43

Thread and Yarn

Ser. No. 422,364. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Aug. 7, 1939.



No claim is made to the words "Best in Asbestos" apart from the mark.

For Asbestos Textiles, Comprising Asbestos Thread, Asbestos Yarn, and Asbestos Flat Thread Tape Adapted for Use in Weaving Cloth and Used in Clothes Manufacture and Miscellaneous Use Wherever Asbestos Flat Thread Tape Can be Utilized.

Claims use since Oct. 1, 1937.

Ser. No. 423.127. COTOPA LIMITED, Bradford, England. Filed Aug. 30, 1939.

COTOPA

For Cotton Yarn and Sewing Cotton.
Claims use since 1928.

Ser. No. 423,129. COTOPA LIMITED, Bradford, England. Filed Aug. 30, 1939.

CRESTOL

For Cotton Yarn and Sewing Cotton in Bundle Form.
Claims use since 1927.

Ser. No. 423,746. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed Sept. 20, 1939.

SATEENA

For Thread.
Claims use since Sept. 3, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 420,911. MANN CAPACITHERM COMPANY, INC., Tacoma, Wash. Filed June 24, 1939.



For Therapeutic Machines for Making Use of the Heating Effect Produced by the Application of Short and Ultra Short Wave Current to Various Substances Including Living Tissue.

Claims use since June 6, 1937.

Ser. No. 421,246. WM. GRANT LEWI, New York, N. Y. Filed July 3, 1939.

SYN-ACRO

For Electro-Therapeutic Apparatus Used for Treating Asthma and Kindred Conditions, Other Symptoms and Conditions Due to Malfunctioning of the Sympathetic Nerve System, and Local Conditions Where Hyperemia Is Indicated.

Claims use since May 1, 1938.

Ser. No. 424,338. BARD-PARKER COMPANY, INC., Danbury, Conn. Filed Oct. 9, 1939.

Ortholator

For Devices for Holding Dental Films.
Claims use since Aug. 15, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 422,259. ROOT POP BOTTLING CO., INC., Washington, D. C. Filed Aug. 3, 1939.



No claim is made to the terms "Steinie Beverages" and "Full of Health" apart from the mark or to the outline of the label.

For Nonalcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks.

Claims use since December, 1938.

Ser. No. 423,207. CLICQUOT CLUB COMPANY, Millis, Mass. Filed Sept. 1, 1939.

CYC-KOLA

Applicant disclaims the word "Kola" except as shown.

For Nonalcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.

Claims use since Jan. 1, 1899.

Ser. No. 423,959. GROVER C. THOMSEN, doing business as The Glassite Company, Waco, Tex. Filed Sept. 26, 1939.

SPIZZ

For Nonalcoholic Carbonated Maltless Beverages and for Maltless Syrups Used in Preparing the Same.

Claims use since Sept. 1, 1939.

Ser. No. 424,499. SCOTCH PRODUCTS INCORPORATED, New York, N. Y. Filed Oct. 12, 1939.

APPLETIZER

For Apple Cider and Carbonated Cider Beverage.
Claims use since Aug. 26, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 388,915. JULIA M. COOKE, Norwalk, Conn. Filed Feb. 15, 1937.

BRIDGE

For Pickles, Sweet Relish, Sour Relish, Chili Sauce, Bar-Le-Duc, and Jelly.

Claims use since Dec. 16, 1936.

Ser. No. 393,617. RHEINGOLD CHEESE COMPANY, Chicago, Ill. Filed June 3, 1937.



For Cheese and Cheese Spreads.

Claims use since Apr. 7, 1934.

Ser. No. 404,658. A. PARUTA, Passaic, N. J. Filed Mar. 30, 1938.



MARCA
COLONNE D'ORO

No claim is made to the word "Marca" apart from the mark.

For Canned Lentils, Split Peas, Beans, Lima Beans, Peas, and Tomatoes; Dried Lentils, Split Peas, Olive Oil, Salad Oil, Cheese, Peppers, Rice, Coffee, Salt, Macaroni, Olives, Tomato Paste, Spaghetti, Elbow Macaroni, Noodles and Egg Noodles, All Sold in Cans to the Trade; Canned Tuna Fish, and Canned Sardines.

Claims use since October, 1936.

Ser. No. 406,493. BUDLONG PICKLE CO., Chicago, Ill. Filed May 19, 1938.

BUDLONG

Sheffield

Applicant is the owner of trade-mark registration No. 230,908 granted under the 10-year proviso. No claim is made to the word "Sheffield" apart from the mark.

For Pickles, Pickled Onions, Vegetable Relishes, Piccalilli, and Chow-Chow.

Claims use since June 1, 1915.

Ser. No. 409,791. WASHINGTON PACKERS, INC., Sumner, Wash. Filed Aug. 19, 1938.

FROSTKIST

"They're Frozen

The words "They're Frozen" are disclaimed apart from the mark.
For Frozen Fruits, Berries, and Vegetables.
Claims use since June 8, 1938.

Ser. No. 410,511. THE KROGER GROCERY & BAKING COMPANY, doing business as Wesco Foods Company, Cincinnati, Ohio. Filed Sept. 13, 1938.

WESCOT

Applicant is the owner of trade-mark registration No. 358,669.
For Canned Pork and Beans with Tomato Sauce and Red Kidney Beans with Tomato Sauce.
Claims use since Aug. 8, 1938.

Ser. No. 414,711. K. K. SHARP, Holtville, Calif. Filed Jan. 11, 1939.



No claim is made to the representation of the carrots.
For Fresh Carrots
Claims use since May 17, 1938.

Ser. No. 416,690. ARTHUR HORTON, Valparaiso, Ind. Filed Mar. 4, 1939.

PRADERA

For Eggs.
Claims use since July, 1938.

Ser. No. 418,045. BAK-KRAFT CORPORATION, LTD., Los Angeles, Calif. Filed Apr. 10, 1939.

BAK-O-PEP

For Dough Ingredient Used for Increasing the Mellow Characteristics of Dough and for Increasing the Moisture Retention Capacity of Products Baked Therefrom.
Claims use since Feb. 1, 1939.

Ser. No. 418,652. FRANK RYSER CO., Chicago, Ill. Filed Apr. 24, 1939.



The drawing is lined for green and red.
For Cheese.
Claims use since Oct. 1, 1938.

Ser. No. 421,822. THOMAS & COMPANY, Frederick, Md. Filed July 21, 1939.

Barbara Fritchie

Applicant's mark is the name of a deceased celebrity.
For Canned Vegetables.
Claims use since Oct. 11, 1926.

Ser. No. 422,052. PETER P. GRUPCHEFF, Los Angeles, Calif. Filed July 28, 1939.



The drawing is lined for red.
For "Bulgar Bacilli", a Cultivated Bacillus, or Cultured Milk, for Human Consumption.
Claims use since June 15, 1939.

Ser. No. 422,704. LA MANNA, AZEMA & FARNAM, New York, N. Y. Filed Aug. 17, 1939.

BRILLAT

For Canned Mushrooms, Bottled Capers, Canned Olive Oil, Bottled Onions, Bottled Olives.
Claims use since Jan. 10, 1934.

Ser. No. 423,052. BARD & MARGOLIES, INC., Brooklyn, N. Y. Filed Aug. 28, 1939.

BARDLEY HALL

For Candy.
Claims use since Aug. 1, 1939.

Ser. No. 423,126. VICTOR N. CORY, New York, N. Y. Filed Aug. 30, 1939.

CUSTOM HOUSE BRAND

The word "Brand" is disclaimed except as shown.
For Olive Oil.
Claims use since Aug. 28, 1939.

Ser. No. 423,244. UNION FISHERMEN'S CO-OPERATIVE PACKING CO., Astoria, Oreg. Filed Sept. 1, 1939.

GILLNETTERS BEST

No claim is made to the word "Best" apart from the mark.
For Canned Salmon and Canned Tuna.
Claims use since June 1, 1899, on salmon; since Aug. 21, 1939, on tuna.

Ser. No. 423,320. THE WANDER COMPANY, Chicago, Ill. Filed Sept. 5, 1939.

WANDER

This applicant is the owner of registration No. 148,301 issued to The Wander Company under date of Nov. 8, 1921.
For Preparation of Malted Milk and a Chocolate Flavored Dairy Syrup.
Claims use since Aug. 2, 1939.

Ser. No. 423,404. THE OHIO PROVISION CO., Cleveland, Ohio. Filed Sept. 8, 1939.

Oproco

For Bacon.
Claims use since July 7, 1939.

Ser. No. 423,579. UNION FISHERMEN'S CO-OPERATIVE PACKING CO., Astoria, Oreg. Filed Sept. 13, 1939.

LIGHT SHIP

For Canned Salmon and Canned Tuna.
Claims use since Aug. 21, 1939, on tuna; since July 1, 1898, on salmon.

Ser. No. 423,658. COUNTRY CLUB ICE CREAM COMPANY, Paterson, N. J. Filed Sept. 16, 1939.

DAIR-E-ART

For Ice Cream.
Claims use since Sept. 13, 1939.

Ser. No. 423,699. GREEN & GOLD GROVES, INC., Los Angeles, Calif. Filed Sept. 18, 1939.

CAL-PRIDE

For Fresh Citrus Fruits.
Claims use since May 12, 1939.

Ser. No. 423,709. JOHN PAGLIARULO, Delano and Earlimart, Calif. Filed Sept. 18, 1939.

BETTER TEST

For Fresh Fruits—Namely, Fresh Grapes.
Claims use since Sept. 7, 1939.

Ser. No. 423,876. CAMPBELL TAGGART RESEARCH CORPORATION, Kansas City, Mo. Filed Sept. 23, 1939.

Bel-Art

For Bakery Products, Particularly Pumpernickel.
Claims use since July 11, 1939.

Ser. No. 423,938. ATLANTIC COAST FISHERIES CORPORATION OF NEW YORK, New York, N. Y. Filed Sept. 26, 1939.

SANI-MATIC

For Fresh and Frozen Fish Fillets.
Claims use since June 19, 1939.

Ser. No. 423,949. HENRY HEIDE, INCORPORATED, New York, N. Y. Filed Sept. 26, 1939.

LITTLE DUCHESS

For Candies.
Claims use since Sept. 14, 1939.

Ser. No. 423,950. HENRY HEIDE, INCORPORATED, New York, N. Y. Filed Sept. 26, 1939.

MI-LADY

For Candies.
Claims use since Sept. 14, 1939.

CLASS 47

Wines

Ser. No. 417,661. THE TAYLOR WINE COMPANY, Hammondsport, N. Y. Filed Mar. 30, 1939.

CAPTURED FLAVOR

No claim is made to the word "Flavor" apart from the mark.
For Wines.
Claims use since Jan. 5, 1939.

Ser. No. 422,727. GEO. H. NAEGELE, RALPH FORCH & S. W. HARKLEROAD, TRUSTEES FOR A. MATTEI, doing business as A. Mattei, Fresno, Calif. Filed Aug. 16, 1939.



For Wines.
Claims use since Oct. 1, 1909.

CLASS 48

Malt Beverages and Liquors

Ser. No. 423,635. JACOB RUPPERT, New York, N. Y. Filed Sept. 15, 1939.



The drawing is lined for shading.
For Beer.
Claims use since Aug. 28, 1939.

Ser. No. 423,636. JACOB RUPPERT, New York, N. Y. Filed Sept. 15, 1939.



The drawing is lined for shading.
For Beer.
Claims use since Aug. 28, 1939.

Ser. No. 423,683. JOHN F. TROMMER, INC., Brooklyn, N. Y. Filed Sept. 16, 1939.



The words "The Malt Makes the Beer" are disclaimed apart from the mark.
For Beer.
Claims use since June 4, 1939.

Ser. No. 424,447. TIVOLI BREWING COMPANY, Detroit, Mich. Filed Oct. 11, 1939.



The drawing is lined for green and orange.
For Beer.
Claims use since Sept. 27, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 412,842. THE WILKEN FAMILY, INCORPORATED, New York, N. Y.; Lawrenceburg, Ind.; and Aladdin, Pa. Filed Nov. 16, 1938.



No claim is made to the representation of the label per se, nor to the words "Special Straight Bourbon Whiskey" apart from the mark. The portraits and signatures are those of Harry E. Wilken, Sr., deceased, Harry E. Wilken, Jr., and William T. Wilken.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 30, 1938.

Ser. No. 422,754. MORAND BROS. BEVERAGE COMPANY, Chicago, Ill. Filed Aug. 18, 1939.

Peter Mackenzie's



Applicant disclaims the name "Peter Mackenzie's" except as shown.
For Whisky.
Claims use since June, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 21, 1939

372,900. TOILET ARTICLES AND COSMETICS INCLUDING CREAMS, TONICS, POWDERS, LOTIONS, ROUGE, AND LIPSTICK. RAY SHIPMAN, doing business as Mary Lowell Laboratories, Tippecanoe City, Ohio, assignor to House of Lowell, Incorporated, Tippecanoe City, Ohio, a corporation of Ohio.
Filed May 17, 1937. Serial No. 392,896. PUBLISHED AUGUST 29, 1939. Class 6.

372,901. LARD, SPICED PORK AND BEEF, AND VEGETABLE SHORTENING. CUDAHY BROTHERS COMPANY, Cudahy, Wis.
Filed June 28, 1937. Serial No. 394,587. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,902. NAIL POLISH, NAIL POLISH REMOVER, AND CUTICLE REMOVER. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio.
Filed March 30, 1938. Serial No. 404,648. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,903. DIAPHRAGMS FOR FUEL PUMPS, MUFFLERS FOR ENGINES, AND TAIL PIPES THEREFOR. LION AUTO PARTS & MFG. CO., Chicago, Ill.
Filed May 31, 1938. Serial No. 406,928. PUBLISHED SEPTEMBER 12, 1939. Class 23.

372,904. ELECTRIC FANS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed June 16, 1938. Serial No. 407,569. PUBLISHED SEPTEMBER 12, 1939. Class 21.

372,905. BLANK CHECKS AND TRADING CERTIFICATES. JACK ROSENBLOOM, Kew Gardens, N. Y.
Filed June 17, 1938. Serial No. 407,606. PUBLISHED SEPTEMBER 12, 1939. Class 37.

372,906. POULTRY FOOD. NIKOLA TESLA, New York, N. Y.
Filed June 23, 1938. Serial No. 407,826. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,907. ANTISEPTIC AND ASTRINGENT COMPOUND FOR BITES AND STINGS OF INSECTS AND MANY SKIN INFECTIONS, SUCH AS ATHLETE'S FOOT, IVY POISONING, AND MOIST ECZEMA, AND FOR CERTAIN INFECTIONS OF THE MUCOUS MEMBRANE. THE FIDELITY MEDICAL SUPPLY CO., Dayton, Ohio, assignor to Ralph H. Osmun, Dayton, Ohio.
Filed June 27, 1938. Serial No. 407,946. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,908. LEATHER FOR OUTER SOLES OR INNER SOLES FOR SHOES. J. GREENEBAUM TANNING CO., Chicago, Ill., and Milwaukee, Wis.
Filed July 21, 1938. Serial No. 408,752. PUBLISHED JANUARY 24, 1939. Class 1.

372,909. PAPER FACIAL TISSUE. BILTMORE PAPER CO., INC., New York, N. Y.
Filed July 25, 1938. Serial No. 408,873. PUBLISHED SEPTEMBER 12, 1939. Class 37.

372,910. CABLE FOR TRANSMITTING ELECTRICAL ENERGY. TRANSDUCER CORPORATION, New York, N. Y.
Filed August 3, 1938. Serial No. 409,216. PUBLISHED SEPTEMBER 12, 1939. Class 21.

372,911. STOUT. GEORGE RAGGETT & SONS LIMITED, London, England.
Filed October 22, 1938. Serial No. 411,968. PUBLISHED SEPTEMBER 12, 1939. Class 48.

372,912. INSULATING COMPOUND, AS, AN ELECTRICAL SEALER, AN ELECTRICAL SOUND DAMPENER; AN ELECTRICAL INSULATING COMPOUND, AS, CABLE INSULATION, POTTING COMPOUND, HIGH TENSION CABLE JOINT COMPOUND, AND OTHER USES OF SIMILAR CHARACTER. HERCULES POWDER COMPANY, Wilmington, Del.
Filed November 12, 1938. Serial No. 412,641. PUBLISHED SEPTEMBER 12, 1939. Class 21.

372,913. HATCHETS, HAMMERS, BREAD KNIVES, BUTCHER KNIVES, GRAPEFRUIT KNIVES, PARING KNIVES, SLICER KNIVES, SPATULA KNIVES, ETC. S. H. KRESS AND COMPANY, New York, N. Y.
Filed November 12, 1938. Serial No. 412,645. PUBLISHED SEPTEMBER 12, 1939. Class 23.

372,914. BUTTONS, MEDALLIONS, PINS, CLASPS, SHOE BUCKLES, AND SNAP FASTENERS, ALL OF NON-PRECIOUS METAL, AND BRAID. H. FISHLOVE & CO., Chicago, Ill.
Filed November 19, 1938. Serial No. 412,964. PUBLISHED SEPTEMBER 5, 1939. Class 40.

372,915. BUTTONS, MEDALLIONS, PINS, CLASPS, SHOE BUCKLES, AND SNAP FASTENERS, ALL OF NON-PRECIOUS METAL, AND BRAID. H. FISHLOVE & CO., Chicago, Ill.
Filed November 19, 1938. Serial No. 412,965. PUBLISHED SEPTEMBER 12, 1939. Class 40.

372,916. NONALCOHOLIC, MALTLESS BEVERAGE AND CONCENTRATE FOR MAKING SAME. GREEN & GREEN INC., Houston, Tex.
Filed December 5, 1938. Serial No. 413,478. PUBLISHED SEPTEMBER 12, 1939. Class 45.

372,917. LEATHER IN THE PIECE USED IN THE MANUFACTURE OF GLOVES AND HANDBAGS. LOUIS MEYERS & SON, INC., New York, N. Y.
Filed January 12, 1939. Serial No. 414,749. PUBLISHED SEPTEMBER 12, 1939. Class 1.

372,918. VACCINES OR INOCULATING SUBSTANCES INJECTED SUBCUTANEOUSLY OR INTRAMUSCULARLY IN THE TREATMENT OF FEVER CONDITIONS OF CATTLE AND HOGS, AND PARTICULARLY WITH RESPECT TO MILK FEVER (MASTITIS) AND HOOF AND MOUTH DISEASE. ROBERT LANDOLT, Zurich, Switzerland.
Filed January 21, 1939. Serial No. 415,083. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,919. BIOPLASM TABLETS USED FOR SYMPTOMS OF NERVOUSNESS, NERVE EXHAUSTION, SIMPLE ANEMIA, AND AS A CONSTITUTIONAL TISSUE BUILDER. M. M. MIKULAS, doing business as Mylans-Homethic Co., San Francisco, Calif.
Filed January 24, 1939. Serial No. 415,097. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,920. CANNED EVAPORATED GOAT MILK. MEYENBERG MILK PRODUCTS CO., Salinas, Calif.
Filed January 23, 1939. Serial No. 415,133. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,921. PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF THYROID. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo.
Filed January 30, 1939. Serial No. 415,380. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,922. SAFETY PAPER FOR USE IN THE MAKING OF TRANSPORTATION TICKET BLANKS. JOSEPH MEHLMAN, Los Angeles, Calif.
Filed February 6, 1939. Serial No. 415,659. PUBLISHED SEPTEMBER 12, 1939. Class 37.

372,923. PHARMACEUTICAL PREPARATION FOR THE RELIEF AND CORRECTION OF CONSTIPATION AND COLONIC AILMENTS. C. A. DESHELL CORPORATION, Los Angeles, Calif.
Filed February 18, 1939. Serial No. 416,180. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,924. CONFECTION CONSISTING OF MOLASSES CANDY. E. F. KEMP, INC., Somerville, Mass.
Filed February 23, 1939. Serial No. 416,327. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,925. GINGERBREAD. PAULA FREUND, New York, N. Y.
Filed March 9, 1939. Serial No. 416,847. PUBLISHED SEPTEMBER 5, 1939. Class 46.

372,926. MEN'S NECKTIES, MUFFLERS, AND HANDKERCHIEFS. GOLDMAN, SARLOW CO., doing business as Hollyvogue, Los Angeles, Calif.
Filed March 13, 1939. Serial No. 417,009. PUBLISHED SEPTEMBER 5, 1939. Class 39.

372,927. GENERAL TONIC. CHARLES D. CREASY, doing business as Leota's, Memphis, Tenn.
Filed March 13, 1939. Serial No. 417,045. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,928. LADIES' HATS. OGUS, RABINOVICH & OGUS, INC., New York, N. Y.
Filed March 18, 1939. Serial No. 417,233. PUBLISHED SEPTEMBER 5, 1939. Class 39.

372,929. FACE POWDER, FACIAL CREAMS AND LOTIONS, SKIN TONICS AND ASTRINGENTS, ROUGES, LIPSTICKS, DENTIFRICES, PERFUMES, TOILET WATERS, COLOGNES, AFTER SHAVING CREAMS AND LOTIONS, HAIR TONICS AND SHAMPOOS, DEODORANTS, AND TALCUMS. WM. T. KNOTT COMPANY, INC., New York, N. Y.
Filed March 21, 1939. Serial No. 417,338. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,930. FRESH GROUND BEEF. CHRISTOPHER OFFENHAUSER, also doing business as Consolidated Dressed Beef Co., Philadelphia, Pa.
Filed March 21, 1939. Serial No. 417,342. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,931. LIQUID TO BE ADDED TO REFRIGERANTS, SUCH AS METHYL CHLORIDE, METHYLENE CHLORIDE, AND THE "FREON" REFRIGERANTS FOR USE IN PREVENTING FORMATION OF ICE CRYSTALS IN ELECTRIC REFRIGERATING MACHINES OF COMPRESSOR TYPE. ANSUL CHEMICAL COMPANY, Marinette, Wis.
Filed April 3, 1939. Serial No. 417,794. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,932. CLOTH—NAMELY, WOOLEN AND WORSTED FABRICS, ALL IN THE BOLT OR PIECE, AND FOR USE AS OVERCOATING, SUITING, AUTOMOBILE ROBE, AND UPHOLSTERING MATERIALS. BROAD BROOK COMPANY, Broad Brook, Conn.
Filed April 4, 1939. Serial No. 417,832. PUBLISHED SEPTEMBER 12, 1939. Class 42.

372,933. PAINT BRUSHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed April 7, 1939. Serial No. 417,976. PUBLISHED SEPTEMBER 12, 1939. Class 29.

372,934. FARM AND GARDEN IMPLEMENTS—NAMELY, FORKS, RAKES, HOES, SHOVELS, HAMMERS, SAWS, AXES, GRINDERS, ETC. GAMBLE STORES INCORPORATED, Minneapolis, Minn.
Filed April 11, 1939. Serial No. 418,099. PUBLISHED SEPTEMBER 12, 1939. Class 23.

372,935. FUNGICIDE FOR THE CONTROL OF BROWN PATCH ON GOLF GREENS. CUREX, INC., Wood Ridge, N. J., assignor to Lethelin Products Company, Inc., Mount Vernon, N. Y., a corporation of New York.
Filed April 13, 1939. Serial No. 418,188. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,936. COTTON, RAYON, AND SILK NOIL PIECE GOODS. GERNES GARMENT COMPANY, INC., Kansas City, Mo.
Filed April 15, 1939. Serial No. 418,300. PUBLISHED SEPTEMBER 12, 1939. Class 42.

372,937. CHEMICAL PRODUCT FOR WATERPROOFING IGNITION SYSTEMS AND ELECTRICAL EQUIPMENT. CHESTER A. GORDON, Oak Park, Ill.
Filed April 17, 1939. Serial No. 418,337. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,938. COUGH SYRUP, LAXATIVE QUININE TABLETS, COUGH DROPS, COLD CAPSULES, ANTISEPTIC (MOUTH WASH), ETC. PLOUGH, INC., Memphis, Tenn.
Filed April 22, 1939. Serial No. 418,598. PUBLISHED AUGUST 29, 1939. Class 6.

372,939. EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR, INCLUDING NOSEPIECES, TEMPLES, AND THE LIKE, OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS. ALEXANDER KONO, doing business as The Kono Manufacturing Company, New York, N. Y.
Filed April 24, 1939. Serial No. 418,641. PUBLISHED SEPTEMBER 12, 1939. Class 26.

372,940. SOLUTION FOR HUMAN HYGIENE SUCH AS A MOUTHWASH, ASTRINGENT, OR ANTISEPTIC. LLEWELLYN LABORATORIES, INC., Philadelphia, Pa., assignor, by mesne assignments, to Roses and Myrrh Inc., Philadelphia, Pa., a corporation of Pennsylvania.
Filed April 25, 1939. Serial No. 418,687. PUBLISHED AUGUST 29, 1939. Class 6.

372,941. FLOUR—NAMELY, WHEAT FLOUR AND SELF-RISING FLOUR, BOTH BLENDED AND UNBLENDED. BALLARD & BALLARD COMPANY, INC., doing business as O. K. Mills, Louisville, Ky.
Filed April 26, 1939. Serial No. 418,701. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,942. POULTRY, LIVE STOCK, AND THE LIKE FEEDS—NAMELY, SCRATCH FEED, DAIRY FEED, POULTRY GRAINS, PIGEON FEED, RABBIT FEED, BRAN, POULTRY MASH, SHORTS, MIDDLINGS, DOG FOOD, HORSE AND MULE FEED, HOG FEED. BALLARD & BALLARD COMPANY, INC., Louisville, Ky.
Filed April 26, 1939. Serial No. 418,702. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,943. CHEWING GUM. GUMAKERS OF AMERICA, INC., Clifton Heights, Pa.
Filed April 26, 1939. Serial No. 418,713. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,944. WOVEN COTTON, MOHAIR, AND RAYON FABRICS. KENYA CORPORATION, New York, N. Y.
Filed April 29, 1939. Serial No. 418,881. PUBLISHED SEPTEMBER 12, 1939. Class 42.

372,945. MACHINES FOR HAIR CUTTING AND SHAVING AND PARTS THEREOF. ROLLS RAZOR INC., New York, N. Y.
Filed May 1, 1939. Serial No. 418,945. PUBLISHED SEPTEMBER 12, 1939. Class 23.

372,946. PREPARATION FOR CLEANING AND TREATING BOILER AND HEATING SYSTEMS. JOSEPH H. SCHUCK, Mamaroneck, N. Y.
Filed May 1, 1939. Serial No. 418,950. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,947. LIQUID PREPARATION FOR APPLICATION TO LIVESTOCK FOR DESTROYING GRUBS, MITES, BUGS, AND LICE. DORSEY AND RIDLEY, Oklahoma City and Ada, Okla.
Filed May 3, 1939. Serial No. 419,012. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,948. PEARL BAKING SHELLS AND SERVING DISHES. THE NORD-BUFFUM PEARL BUTTON COMPANY, Louisiana, Mo.
Filed May 3, 1939. Serial No. 419,056. PUBLISHED SEPTEMBER 12, 1939. Class 13.

372,949. HAIRPINS AND BOBBY PINS. SCOLDING LOCKS CORPORATION, Appleton, Wis.
Filed May 5, 1939. Serial No. 419,128. PUBLISHED SEPTEMBER 12, 1939. Class 40.

372,950. BOTTLE STOPPERS. PAUL C. MCABEE, Westport, Conn.
Filed May 6, 1939. Serial No. 419,151. PUBLISHED SEPTEMBER 12, 1939. Class 50.

372,951. FOOD COLORING MATERIALS. MAUMEE COLOR COMPANY, INCORPORATED, Maumee, Ohio.
Filed May 10, 1939. Serial No. 419,265. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,952. NASAL PREPARATION USED IN THE TREATMENT OF HEAD COLDS AND NASAL CONGESTION. GEORGE S. BAKER, doing business as Fo-Sy-Nis Laboratories, Chicago, Ill.
Filed May 11, 1939. Serial No. 419,323. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,953. TOILET WATER AND PERFUME. SOLON PALMER, New York, N. Y.
Filed May 12, 1939. Serial No. 419,344. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,954. CAMERAS, SENSITIZED PHOTOGRAPHIC FILMS, DEVELOPED PHOTOGRAPHIC FILMS, PHOTOGRAPHIC PRINTING PAPERS, PHOTOGRAPHIC ENLARGERS, PHOTOGRAPHIC CINE AND STILL PROJECTORS, LIGHT FILTERS, PHOTOGRAPHIC LENSES, ETC. BRONX CAMERA EXCHANGE & SUPPLY CO., New York, N. Y.
Filed May 15, 1939. Serial No. 419,415. PUBLISHED SEPTEMBER 12, 1939. Class 26.

372,955. CHEESE FLAVORED POPCORN. ARTHUR T. MCGONIGLE, Reading, Pa.
Filed May 18, 1939. Serial No. 419,537. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,956. MOUTH WASH AND GARGLE FOR SORE THROAT, GINGIVITIS, VINCENT'S ANGINA, TONSILITIS, AND ANY INFLAMMATION OF THE THROAT AND MOUTH, AND ALSO AS AN ANTISEPTIC, DEODORANT, AND GERMICIDE. MABEL L. MOORE, doing business as Iodi-Phen Company, Handsborough, Miss.
Filed May 20, 1939. Serial No. 419,625. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,957. ANTIMOISTURE CHEMICAL PREPARATION WHICH RETARDS FOGGING FOR USE ON WINDSHIELDS, GOGGLES, AND ALL GLASS SURFACES, AND ALSO CLOTHS IMPREGNATED WITH SAID PREPARATION. INDUSTRIAL PRODUCTS COMPANY, Philadelphia, Pa.
Filed May 23, 1939. Serial No. 419,722. PUBLISHED SEPTEMBER 12, 1939. Class 4.

372,958. X-RAY TUBES AND HOUSINGS THEREFOR USED FOR THERAPEUTIC PURPOSES. MACHLETT LABORATORIES INCORPORATED, Springdale, Conn.
Filed May 23, 1939. Serial No. 419,725. PUBLISHED SEPTEMBER 12, 1939. Class 44.

372,959. MEDICAL TEA COMPOSED OF A COMPOUND OF NATURAL DRIED HERBS USED FOR THE TREAMENT OF THE GALL BLADDER, LIVER, AND KIDNEYS. MEDICAL TEA COMPANY OF CALIFORNIA, INC., Los Angeles, Calif.
Filed May 23, 1939. Serial No. 419,728. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,960. MEDICAL TEA COMPOSED OF A COMPOUND OF NATURAL DRIED HERBS USED FOR REDUCING PURPOSES. MEDICAL TEA COMPANY OF CALIFORNIA, INC., Los Angeles, Calif.
Filed May 23, 1939. Serial No. 419,729. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,961. LIQUEFIED PETROLEUM GAS. OTTO A. KOHL, doing business as Bupane Gas Company, Cedar Rapids, Iowa.
Filed May 25, 1939. Serial No. 419,811. PUBLISHED AUGUST 29, 1939. Class 6.

372,962. PHARMACEUTICAL PREPARATION HAVING ASTRINGENT, VASOCONSTRICTIVE, ANTISEPTIC, AND ANESTHETIC PROPERTIES. MAGGOT PRODUCTS COMPANY, Chicago, Ill.
Filed May 25, 1939. Serial No. 419,815. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,963. CLEANSING DOUCHE. JOHN W. BRADLEY, doing business as Meta Cine Company, Chattanooga, Tenn.
Filed May 24, 1939. Serial No. 419,831. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,964. CANDY. CAMPUS CANDY CO., Los Angeles, Calif.
Filed May 26, 1939. Serial No. 419,846. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,965. FRESH VEGETABLES—NAMELY, FRESH CELERY. DEL REY CELERY GROWERS ASSOCIATION, Venice, Calif.
Filed May 26, 1939. Serial No. 419,860. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,966. INSECTICIDE PARTICULARLY FOR APPLICATION TO SCREENS FOR PREVENTING SAND FLIES PASSING THROUGH THE INTERSTICES THEREOF, AND FOR APPLICATION TO THE FACE AND HANDS FOR USE AS A SAND FLY AND MOSQUITO REPELLENT. ROBERT L. JONES, doing business as Tropical Insecticide Co., Fort Lauderdale, Fla.
Filed May 26, 1939. Serial No. 419,867. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,967. ASTRINGENTS, ASTRINGENT CERATES, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,881. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,968. COMBINATION SET CONSISTING OF A MUG AND SOAP. SHULTON, INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,882. PUBLISHED SEPTEMBER 12, 1939. Class 50.

372,969. COMBINATION SET CONSISTING OF A MUG AND SOAP. SHULTON, INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,886. PUBLISHED SEPTEMBER 12, 1939. Class 50.

372,970. ASTRINGENTS, ASTRINGENT CERATES, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,887. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,971. CHEMICALS USED TO PREVENT PERSPIRATION ODORS ON ALL FIBRES, YARNS, AND FABRICS AS WELL AS LEATHER AND PAPER. IMPREGNOLE CORPORATION, New York, N. Y.
Filed May 26, 1939. Serial No. 419,900. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,972. FRESH VEGETABLES—NAMELY, FRESH CELERY. DEL REY CELERY GROWERS ASSOCIATION, Venice, Calif.
Filed May 27, 1939. Serial No. 419,910. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,973. FOOD BEVERAGE IN THE FORM OF A SYRUP COMPRISING BARLEY MALT, DIASTASE, SOY BEAN MILK, PEPSIN, AGAR, AND OTHER INGREDIENTS. KOVAC LABORATORIES, INC., Los Angeles, Calif.
Filed May 29, 1939. Serial No. 419,940. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,974. PREPARATION FOR USE AS A MOUTHWASH, GARGLE, SHAMPOO, AND AFTER-SHAVING LOTION AND A HAIR DRESSING PREPARATION. J. B. KNIGHT, SR., doing business as Old 97 Manufacturing Company and La Charma Company, Tampa, Fla.
Filed May 27, 1939. Serial No. 419,980. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,975. ADVERTISING SIGN TAG HOLDING CLIPS FOR SHELVES OR COUNTERS FOR STORE SERVICE. EARL C. BROWNELL, Portland, Oreg.
Filed May 31, 1939. Serial No. 419,996. PUBLISHED SEPTEMBER 12, 1939. Class 13.

372,976. OLIVES, BOTTLED CHERRIES, DATES. VAN DYK & REEVES INC., New York, N. Y.
Filed May 31, 1939. Serial No. 420,034. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,977. CANNED FRUITS AND VEGETABLES, CANNED SAUERKRAUT, CANNED PUMPKIN, CANNED SALMON, CANNED EVAPORATED MILK, TOMATO CATSUP, JAMS, ORANGE MARMALADE, OLIVES, AND PEANUT BUTTER. W. A. GENANT, Syracuse, N. Y.
Filed June 2, 1939. Serial No. 420,099. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,978. MEDICINAL COMPOUND FOR THE TREATMENT OF ANEMIC CONDITION. HARMON CHEMICALS, INC., Brooklyn, N. Y.
Filed June 3, 1939. Serial No. 420,134. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,979. SHOES FOR MEN, WOMEN, AND CHILDREN, AND MADE OF CLOTH, LEATHER, RUBBER, AND COMBINATIONS OF SUCH MATERIALS. EPHRATA SHOE COMPANY, INC., Ephrata, Pa.
Filed June 5, 1939. Serial No. 420,171. PUBLISHED SEPTEMBER 5, 1939. Class 39.

372,980. ELECTRICALLY OPERATED DEVICES UTILIZING STERILIZING LIGHT RAYS FOR STERILIZING ARTICLES. THE HOBART MANUFACTURING COMPANY, Troy, Ohio.
Filed June 5, 1939. Serial No. 420,179. PUBLISHED SEPTEMBER 12, 1939. Class 21.

372,981. EMBALMING FLUID. C. G. WHITLOCK CO., Springfield, Ill.
Filed June 5, 1939. Serial No. 420,199. PUBLISHED AUGUST 29, 1939. Class 6.

372,982. ABRASIVE PAPER AND CLOTH. BEHR-MANNING CORPORATION, Watervliet, N. Y.
Filed June 5, 1939. Serial No. 420,202. PUBLISHED SEPTEMBER 12, 1939. Class 4.

372,983. PAINT, LACQUER, AND ENAMEL COATINGS FOR COLLAPSIBLE TUBES AND CONTAINERS. THE NEW ENGLAND COLLAPSIBLE TUBE COMPANY, New London, Conn.
Filed June 6, 1939. Serial No. 420,235. PUBLISHED SEPTEMBER 12, 1939. Class 16.

372,984. LIPSTICKS, ROUGE, AND FACE POWDER FOR COSMETIC PURPOSES. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed June 6, 1939. Serial No. 420,239. PUBLISHED SEPTEMBER 12, 1939. Class 6.

372,985. SMOKING AND CIGARETTE TOBACCO. STEPHANO BROTHERS, Philadelphia, Pa.
Filed June 8, 1939. Serial No. 420,294. PUBLISHED SEPTEMBER 12, 1939. Class 17.

372,986. YARNS MADE OF WOOL AND WOOL AND MOHAIR. BERNARD WEIL, INC., New York, N. Y.
Filed June 9, 1939. Serial No. 420,351. PUBLISHED AUGUST 22, 1939. Class 43.

372,987. FRESH FRUITS — NAMELY AVOCADOS. M. M. WILSON, El Cajon, Calif.
Filed June 9, 1939. Serial No. 420,353. PUBLISHED SEPTEMBER 12, 1939. Class 46.

372,988. TABLETS IN DIFFERENT SIZES CONTAINING SPECIFIED AMOUNTS OF A CERTAIN DRUG—NAMELY, SULFANILAMIDE, FOR USE WHEN PRESCRIBED BY PHYSICIANS, IN TREATING INFECTIONS CAUSED BY HEMOLYTIC STREPTOCOCCI. HAACK BROS. MANUFACTURING PHARMACISTS, Portland, Oreg.
Filed June 10, 1939. Serial No. 420,371. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,989. DEODORIZING, DISINFECTING, CLEANSING, AND STAIN REMOVING COMPOUND. SCUD RESEARCH LABORATORIES, Calumet Park, Ill.
Filed June 10, 1939. Serial No. 420,390. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,990. METAL BOOK BINDERS. TALLY-HO METALS CORPORATION, New York, N. Y.
Filed June 10, 1939. Serial No. 420,394. PUBLISHED SEPTEMBER 12, 1939. Class 37.

372,991. CANVAS FOOTWEAR — NAMELY, SHOES AND SLIPPERS HAVING RUBBER SOLES AND CANVAS OR DUCK UPPERS. LA CROSSE RUBBER MILLS CO., La Crosse, Wis.
Filed June 12, 1939. Serial No. 420,417. PUBLISHED SEPTEMBER 5, 1939. Class 39.

372,992. INDUSTRIAL HEATING AND MELTING FURNACES. THE AMSLER-MORTON COMPANY, Pittsburgh, Pa.
Filed June 13, 1939. Serial No. 420,443. PUBLISHED SEPTEMBER 12, 1939. Class 34.

372,993. CIGARETTES. STEPHANO BROTHERS, Philadelphia, Pa.
Filed June 13, 1939. Serial No. 420,465. PUBLISHED SEPTEMBER 12, 1939. Class 17.

372,994. WINE. SALLY SANDS, doing business as Car-Cal Winery, Greensboro, N. C.
Filed June 14, 1939. Serial No. 420,501. PUBLISHED SEPTEMBER 12, 1939. Class 47.

372,995. SUBSTANCES CAUSING CELLULAR STIMULATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 14, 1939. Serial No. 420,502. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,996. PHARMACEUTICAL PREPARATION OF CRYSTALLINE VITAMIN B_1 IN TABLET, LIQUID, ELIXIR, AND CAPSULE FORM. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y.
Filed June 15, 1939. Serial No. 420,543. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,997. PHARMACEUTICAL PREPARATION OF CRYSTALLINE VITAMIN B_1 IN TABLET, LIQUID, ELIXIR, AND CAPSULE FORM. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y.
Filed June 15, 1939. Serial No. 420,544. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,998. MEDICINAL PREPARATION FOR TOPICAL APPLICATION TO THE GUMS. DENTARSAN PRODUCTS COMPANY, East Orange, N. J.
Filed June 16, 1939. Serial No. 420,570. PUBLISHED SEPTEMBER 5, 1939. Class 6.

372,999. COMBINATION OF THYROID AND ASTROGENIC HORMONES FOR USE IN DISTURBANCES IN MENSTRUATION AND THE MENOPAUSE. G. W. CARNRICK CO., Newark, N. J.
Filed June 16, 1939. Serial No. 420,574. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,000. MEDICINAL AGENT TO AFFECT THE CENTRAL NERVOUS SYSTEM AND TO STIMULATE PERIPHERAL NEURO-MUSCULAR MECHANISMS UNDER THE CONTROL OF THE SYMPATHETIC NERVOUS SYSTEM SIMULATING THE EFFECTS PRODUCED BY EPHEDRINE. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed June 16, 1939. Serial No. 420,601. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,001. MEDICINAL AGENT TO AFFECT THE CENTRAL NERVOUS SYSTEM AND TO STIMULATE PERIPHERAL NEURO-MUSCULAR MECHANISMS UNDER THE CONTROL OF THE SYMPATHETIC NERVOUS SYSTEM SIMULATING THE EFFECTS PRODUCED BY EPHEDRINE. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed June 16, 1939. Serial No. 420,602. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,002. THERAPEUTIC AGENT FOR THE TREATMENT OF MALNUTRITION AND PANCREATIC DEFICIENCY. G. W. CARNRICK CO., Newark, N. J.
Filed June 17, 1939. Serial No. 420,623. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,003. PREPARATIONS, COMPOUNDS, OR SOLUTIONS FOR THE PURPOSE OF REPAIRING OR MENDING METAL MOTORS, MOTOR PARTS, RADIATORS, CYLINDER HEADS, AND OTHER METAL PARTS. HOBB SWETNAM COMPANY, Wichita Falls, Tex.
Filed June 17, 1939. Serial No. 420,649. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,004. MACHINES FOR DRILLING, TAPPING, AND BEVELLING THE ENDS OF CARBON RODS. ACE FILM LABORATORIES, INC., Brooklyn, N. Y.
Filed June 20, 1939. Serial No. 420,708. PUBLISHED SEPTEMBER 12, 1939. Class 23.

373,005. SODA FOUNTAINS AND PARTS THEREFOR. THE FISCHMAN COMPANY, Philadelphia, Pa.
Filed June 21, 1939. Serial No. 420,756. PUBLISHED SEPTEMBER 12, 1939. Class 23.

373,006. TISSUE CREAM FOR THE SKIN. MACK BROTHERS PRODUCTS, San Diego, Calif.
Filed June 21, 1939. Serial No. 420,771. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,007. DYES, BLUING, AND ASAFOETIDA. MONROE CHEMICAL COMPANY, Quincy, Ill.
Filed June 22, 1939. Serial No. 420,794. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,008. WINES. HUDSON VALLEY WINE COMPANY, INC., Highland, N. Y.
Filed June 23, 1939. Serial No. 420,860. PUBLISHED SEPTEMBER 12, 1939. Class 47.

373,009. VINEGAR. HUDSON VALLEY WINE COMPANY, INC., Highland, N. Y.
Filed June 23, 1939. Serial No. 420,861. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,010. MECHANICAL PENCILS. ABRAHAM SCHLOSSER, New York, N. Y.
Filed June 23, 1939. Serial No. 420,877. PUBLISHED SEPTEMBER 12, 1939. Class 37.

373,011. FINISHING CHEMICAL COMPOUNDS FOR TEXTILES. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed June 24, 1939. Serial No. 420,888. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,012. CANDIES. HENRY HEIDE, INCORPORATED, New York, N. Y.
Filed June 24, 1939. Serial No. 420,904. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,013. FOWL MEDICINE DESIGNED TO BE USED AS A FOWL DRINKING WATER ANTISEPTIC AND TO BE USED AS A HEALER OF THE SORE OR INFLAMED INTESTINAL MEMBRANES CAUSED BY SUCH FOWL DISEASES OR PARASITES AS PULLORUM, BLACKHEAD, COCCIDIOSIS, WORMS, ETC. J. L. HOFFMAN COMPANY, Allentown, Pa.
Filed June 24, 1939. Serial No. 420,907. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,014. CHEMICAL MIXTURE TO BE USED AS A DIP DISINFECTANT FOR SEED POTATOES. J. L. HOFFMAN COMPANY, Allentown, Pa.
Filed June 24, 1939. Serial No. 420,908. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,015. PREPARATION USED BY DENTISTS FOR THE ALLEVIATION OF PAIN. MICHAEL J. HOLLAND, doing business as Holland Specialty Company, Peoria, Ill.
Filed June 24, 1939. Serial No. 420,909. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,016. INSECTICIDE BASE OIL. SHELL OIL COMPANY, INCORPORATED, St. Louis, Mo.
Filed June 24, 1939. Serial No. 420,917. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,017. LIME-WATER, CAMPHORATED OIL, SPIRIT OF CAMPHOR, ESSENCE OF PEPPERMINT, SOLUTION OF BORIC ACID, ETC. BORUN BROS., Los Angeles, Calif.
Filed June 26, 1939. Serial No. 420,930. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,018. LIQUID GAS, PARTICULARLY LIQUID CHLORINE GAS. MAIN LABORATORIES, INC., Olympia, Wash.
Filed June 26, 1939. Serial No. 420,961. PUBLISHED AUGUST 29, 1939. Class 6.

373,019. VITAMIN CAPSULES. NEIGHBOR PRODUCTS CO., Chicago, Ill.
Filed June 26, 1939. Serial No. 420,963. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,020. SIZING PREPARED FROM STARCH. STEIN, HALL & COMPANY, INC., New York, N. Y.
Filed June 26, 1939. Serial No. 420,975. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,021. ANTHELMINTIC AND VERMIFUGE. HERNANDO BUENO DELGADO, Cali, Colombia.
Filed June 27, 1939. Serial No. 420,989. PUBLISHED AUGUST 29, 1939. Class 6.

373,022. ELECTRIC COOKERS. GIBRALTER MANUFACTURING CO., INC., Jersey City, N. J.
Filed June 27, 1939. Serial No. 420,996. PUBLISHED SEPTEMBER 12, 1939. Class 21.

373,023. OINTMENT AND A POWDER FOR DISEASES OF THE SKIN, IDA NIKITAS, doing business as Aiglee Medicine Co., Chicago, Ill.
Filed June 27, 1939. Serial No. 421,007. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,024. NAIL POLISH. NORTHAM WARREN CORPORATION, New York, N. Y.
Filed June 27, 1939. Serial No. 421,009. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,025. NAIL POLISH. NORTHAM WARREN CORPORATION, New York, N. Y.
Filed June 27, 1939. Serial No. 421,010. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,026. CANNED SHRIMP. JOHN MURRAY HUMPHREYS, doing business as Humphreys Canning Co., Westwego, La.
Filed June 28, 1939. Serial No. 421,042. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,027. SOLVENT FOR CLEANING CLOTHES AND FABRICS AND FOR REMOVING SPOTS THEREFROM. DETROIT REX PRODUCTS COMPANY, Detroit, Mich.
Filed June 29, 1939. Serial No. 421,067. PUBLISHED SEPTEMBER 12, 1939. Class 4.

373,028. SOLVENT FOR CLEANING CLOTHES AND FABRICS AND FOR REMOVING SPOTS THEREFROM AND FOR A SOLVENT FOR DEGREASING METAL PARTS AND THE LIKE. DETROIT REX PRODUCTS COMPANY, Detroit, Mich.
Filed June 29, 1939. Serial No. 421,068. PUBLISHED SEPTEMBER 12, 1939. Class 4.

373,029. INTERNAL PREPARATION POSSESSING ALTERATIVE PROPERTIES. FIRM OF R. W. GARDNER, Orange, N. J.
Filed June 29, 1939. Serial No. 421,074. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,030. DENATURED ALCOHOL USED FOR ANTI-FREEZE. LOUIS M. GOLDMAN, doing business as Lou-Bob Company, Chicago, Ill.
Filed June 29, 1939. Serial No. 421,082. PUBLISHED AUGUST 29, 1939. Class 6.

373,031. DRINKING STRAWS. MARCALUS MANUFACTURING CO., INC., Elizabeth, N. J.
Filed June 29, 1939. Serial No. 421,092. PUBLISHED SEPTEMBER 12, 1939. Class 50.

373,032. LAXATIVE AND CATHARTIC PREPARATION. NYAL COMPANY, Detroit, Mich.
Filed June 29, 1939. Serial No. 421,096. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,033. ACRIFLAVINE HYDROCHLORIDE, AGAR AND OIL, ALKALINE AROMATIC TABLETS, AMINOPHYLLINE, AMINOPYRINE, ETC. FIDEL DRUG COMPANY, INC., New York, N. Y.
Filed June 30, 1939. Serial No. 421,135. PUBLISHED AUGUST 29, 1939. Class 6.

373,034. PIECE GOODS OF SILK, WOOL, COTTON, RAYON, ACETATE, AND COMBINATIONS THEREOF. MOUAKAD BROS. INC., New York, N. Y.
Filed June 30, 1939. Serial No. 421,153. PUBLISHED SEPTEMBER 12, 1939. Class 42.

373,035. TEXTILE BATH RUGS, MATS, AND SEAT COVERS. CALLAWAY MILLS, La Grange, Ga.
Filed July 1, 1939. Serial No. 421,177. PUBLISHED SEPTEMBER 12, 1939. Class 42.

373,036. COMPOUND FOR THE TREATMENT OF CERTAIN AILMENTS—NAMELY, BRONCHITIS, STOMACH TROUBLE, RHEUMATISM, DROPSY, NERVOUSNESS, GOUT, WOMB, BLADDER, AND VENEREAL DISEASES AND SIMILAR AILMENTS. PHILIP CARADONNA, Brooklyn, N. Y.
Filed July 1, 1939. Serial No. 421,179. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,037. PREPARATION FOR USE ON THE HAIR AND SCALP. CHARLES FIERSTEIN, doing business as C. F. Sales Company, Los Angeles, Calif.
Filed July 1, 1939. Serial No. 421,183. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,038. MOTH-PROOFING SOLUTION. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 3, 1939. Serial No. 421,261. PUBLISHED AUGUST 29, 1939. Class 6.

373,039. MEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 3, 1939. Serial No. 421,264. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,040. BIOLOGICALLY ACTIVE SUBSTANCES INCLUDING SUBSTANCES FOR ENTERIC ABSORPTION, ALSO INCLUDING ANTIGENIC PREPARATIONS FOR ENTERIC ABSORPTION, AND ALSO INCLUDING TYPHOID ANTIGENS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed July 4, 1939. Serial No. 421,280. PUBLISHED SEPTEMBER 12, 1939. Class 6.

378,041. GIRDLES, BRASSIÈRES, CORSETS, AND FOUNDATION GARMENTS. LEWEL MFG. CO., INC., New York, N. Y.
Filed July 6, 1939. Serial No. 421,311. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,042. COAL. THE MAUMEE COLLIERIES COMPANY, Terre Haute, Ind.
Filed July 6, 1939. Serial No. 421,312. PUBLISHED SEPTEMBER 12, 1939. Class 1.

373,043. NONALCOHOLIC, MALTLESS, CARBONATED BEVERAGES SOLD AS SOFT DRINKS. ROBERT NATHANIEL PRICE, Chicago, Ill.
Filed July 6, 1939. Serial No. 421,320. PUBLISHED SEPTEMBER 12, 1939. Class 45.

373,044. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. ROBERT NATHANIEL PRICE, Chicago, Ill.
Filed July 6, 1939. Serial No. 421,321. PUBLISHED SEPTEMBER 12, 1939. Class 45.

373,045. CATIONIC ACTIVE SOFTENING AGENT AND FINISH FOR ALL TEXTILE FIBRES. JACQUES WOLF & CO., Clifton, N. J.
Filed July 6, 1939. Serial No. 421,332. PUBLISHED AUGUST 29, 1939. Class 6.

373,046. WATERPROOF FINISH FOR ALL TEXTILE FIBRES. JACQUES WOLF & CO., Clifton, N. J.
Filed July 6, 1939. Serial No. 421,333. PUBLISHED AUGUST 29, 1939. Class 6.

373,047. CHEMICAL PREPARATION USED FOR DYEING AND PENETRATION OF TEXTILE FIBRES. JACQUES WOLF & CO., Clifton, N. J.
Filed July 6, 1939. Serial No. 421,334. PUBLISHED AUGUST 29, 1939. Class 6.

373,048. YARNS, THREADS, AND YARN AND THREAD FILAMENTS. AMERICAN VISCOSE CORPORATION, Marcus Hook, Pa.
Filed July 8, 1939. Serial No. 421,365. PUBLISHED SEPTEMBER 5, 1939. Class 43.

373,049. ORGANIC PEROXIDES AND MIXTURES CONTAINING THE SAME. LUCIDOL CORPORATION, Buffalo, N. Y.
Filed July 8, 1939. Serial No. 421,383. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,050. VACCINES. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed July 10, 1939. Serial No. 421,434. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,051. POWDER FOR ATHLETE'S FOOT, ODOROUS FEET, SORE AND TIRED FEET, ACHING AND SWEATING FEET. THE FOX-PAW PRODUCTS, Canton, Ohio.
Filed July 11, 1939. Serial No. 421,457. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,052. WATER SOFTENER. HARRIET HUBBARD AYER, INC., New York, N. Y.
Filed July 13, 1939. Serial No. 421,504. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,053. BODY DEODORIZER. HARRIET HUBBARD AYER, INC., New York, N. Y.
Filed July 13, 1939. Serial No. 421,505. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,054. WORK GLOVES. MARVIN SEIBERT BAUS, doing business as Baus Manufacturing Company, Hopkinsville, Ky.
Filed July 13, 1939. Serial No. 421,507. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,055. RUBBER HEELS. THE I. T. S. COMPANY, Elyria, Ohio.
Filed July 13, 1939. Serial No. 421,517. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,056. ELEVATING AND CONVEYING APPARATUS COMPRISING SPIRAL AND SCREW CONVEYORS AND ENDLESS BELT AND CARRIER ELEVATING AND CONVEYING SYSTEMS AND PARTS THEREOF. SCREW CONVEYOR CORPORATION, Hammond, Ind.
Filed July 13, 1939. Serial No. 421,541. PUBLISHED SEPTEMBER 12, 1939. Class 23.

373,057. PERIODICAL PUBLICATION. EVERETT M. ARNOLD, Cleveland, Ohio.
Filed July 14, 1939. Serial No. 421,557. PUBLISHED SEPTEMBER 12, 1939. Class 38.

373,058. SET OF TOILET PREPARATIONS, CONSISTING OF HAND AND SKIN LOTION, TOILET CREAMS, FACE POWDER, AND NAIL POLISH. ELIZABETH ARDEN, INC., New York, N. Y.
Filed July 15, 1939. Serial No. 421,594. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,059. LIPSTICKS. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed July 15, 1939. Serial No. 421,598. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,060. METAL WORKING DIES SUCH AS FOR TRIMMING SHEET METAL OR THE LIKE, AND STRUCTURAL PARTS THEREOF. THE STEEL PRODUCTS ENGINEERING COMPANY, Springfield, Ohio.
Filed July 15, 1939. Serial No. 421,625. PUBLISHED SEPTEMBER 12, 1939. Class 23.

373,061. GREASY AND NON-GREASY OINTMENTS, TOPICAL DRESSINGS, MEDICATED SALVES AND CREAMS, ANALGESIC AND ANODYNE LINIMENTS, ETC. ERNEST W. BULLOCK, doing business as Bullock-Walker Manufacturing Company, Grand Rapids, Mich.
Filed July 18, 1939. Serial No. 421,689. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,062. SILICIOUS FILTERING AND DECOLORIZING MATERIAL AND ADSORBENTS, ESPECIALLY MAGNESIUM SILICATES. THE MAGNESOL COMPANY, New York, N. Y.
Filed July 18, 1939. Serial No. 421,708. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,063. FRESH CITRUS FRUIT. MUPU CITRUS ASSOCIATION, Santa Paula, Calif.
Filed July 18, 1939. Serial No. 421,710. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,064. CANDY. RAYE RIZZUTO, New York, N. Y.
Filed July 18, 1939. Serial No. 421,714. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,065. TEXTILE LININGS. SPERBER COMPANY, Philadelphia, Pa.
Filed July 18, 1939. Serial No. 421,718. PUBLISHED SEPTEMBER 12, 1939. Class 42.

373,066. GIRDLES AND FOUNDATION GARMENTS. THE FORMFIT COMPANY, Chicago, Ill.
Filed July 19, 1939. Serial No. 421,733. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,067. GIRDLES AND FOUNDATION GARMENTS. THE FORMFIT COMPANY, Chicago, Ill.
Filed July 19, 1939. Serial No. 421,735. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,068. PREPARATION USED IN THE TREATMENT OF GENERAL ANASARCA, DROPSY FROM ANY CAUSE, ASCITIS ASTHMA (CARDIAC), ETC. ANADEMIN CHEMICAL COMPANY, Chattanooga, Tenn.
Filed July 20, 1939. Serial No. 421,756. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,069. PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL. WILLIAM HOLLINS & COMPANY, INC., Forestdale, R. I., and New York, N. Y.
Filed July 20, 1939. Serial No. 421,776. PUBLISHED SEPTEMBER 12, 1939. Class 42.

373,070. NONALCOHOLIC MALTLESS BEVERAGES, SODA FOUNTAIN SYRUPS, BOTTLERS' FLAVORS AND CONCENTRATES. THE JULEP COMPANY, Chicago, Ill.
Filed July 20, 1939. Serial No. 421,778. PUBLISHED SEPTEMBER 12, 1939. Class 45.

373,071. OLIVE OIL. LEKAS & DRIVAS, INC., New York, N. Y.
Filed July 20, 1939. Serial No. 421,781. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,072. EFFERVESCENT DIURETIC TABLET. NU-BAK LABORATORIES, INC., Jacksonville, Fla.
Filed July 20, 1939. Serial No. 421,783. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,073. TABLETS OR THE LIKE FOR FRESHENING THE TASTE AND FOR DESTROYING UNPLEASANT BREATH ODORS. WOLVERINE PRODUCTS, INC., Detroit, Mich.
Filed July 20, 1939. Serial No. 421,791. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,074. ADHESIVE TAPE SUITABLE FOR USE AS MASKING TAPE AND SURGICAL TAPE. P. BEIERSDORF & CO., INC., Stamford, Conn.
Filed July 22, 1939. Serial No. 421,830. PUBLISHED SEPTEMBER 12, 1939. Class 44.

373,075. BEER. ADOLPH COORS COMPANY, Golden, Colo.
Filed July 22, 1939. Serial No. 421,846. PUBLISHED SEPTEMBER 12, 1939. Class 48.

373,076. AROMATIC FLUID EXTRACT OF CASCARA SAGRADA. UNITED DRUG COMPANY, Boston, Mass.
Filed July 22, 1939. Serial No. 421,866. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,077. TEXTILE FABRICS OF SILK, WOOL, LINEN, COTTON, RAYON, ACETATES, AND MIXTURES OF THESE FIBERS IN THE NATURE OF PIECE GOODS. THE UNITED STATES FINISHING COMPANY, Norwich, Conn.
Filed July 25, 1939. Serial No. 421,954. PUBLISHED SEPTEMBER 12, 1939. Class 42.

373,078. MEDICINAL RESTORATIVE TONIC. G. W. CARNRICK CO., Newark, N. J.
Filed July 27, 1939. Serial No. 421,996. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,079. FUNGICIDES AND INSECTICIDES. EDWIN M. ROSENBLUTH, doing business as Rose Manufacturing Company, Philadelphia, Pa.
Filed July 27, 1939. Serial No. 422,018. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,080. PREPARATION FOR APPLICATION TO METAL TO PREVENT OR ARREST CORROSION. D. W. HAERING & COMPANY, INC., Chicago, Ill.
Filed July 28, 1939. Serial No. 422,053. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,081. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF RENAL AND VESICAL CALCULI. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed July 29, 1939. Serial No. 422,108. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,082. HAIR COLORING. RIT PRODUCTS CORPORATION, doing business as Riturna Laboratories, Chicago, Ill.
Filed July 31, 1939. Serial No. 422,152. PUBLISHED SEPTEMBER 5, 1939. Class 6.

373,083. NATURAL ETHEREAL OILS FOR COSMETIC PURPOSES AND PERFUMES. FRANZ OTTO KLEIN, Traben-Trarbach, Germany.
Filed August 1, 1939. Serial No. 422,173. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,084. NAIL POLISH. PEGGY SAGE, INC., New York, N. Y.
Filed August 1, 1939. Serial No. 422,180. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,085. MEDICINAL PREPARATION USED AS A FUNGICIDE. PHILIP AMENT, doing business as Antiphyton Laboratories, Buffalo, N. Y.
Filed August 2, 1939. Serial No. 422,192. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,086. PREPARATION FOR TREATMENT OF SEWERAGE AND SEWERAGE SLUDGES, AND FOR TREATMENT OF WASTES FOR TEXTILE MILLS, PAPER MILLS ELIMINATION OF ORGANIC MATTER, AND FOR THE TREATMENT OF DRAINING WATER SUPPLIES. TENNESSEE CORPORATION, New York, N. Y.
Filed August 2, 1939. Serial No. 422,220. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,087. HAIR AND SCALP DRESSING. HENRY CHARAMBURA, doing business as Silver Pine Mfg. Co., New York, N. Y.
Filed August 5, 1939. Serial No. 422,316. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,088. SERIES OF WATER SOLUBLE PERFUME OILS. JOHN POWELL & CO., INC., New York, N. Y.
Filed August 5, 1939. Serial No. 422,341. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,089. PREPARATION FOR USE AS AN EXPECTORANT AND COUGH SEDATIVE. BURROUGH BROTHERS MANUFACTURING COMPANY, doing business as Burrough Brothers Mfg. Company, Baltimore, Md., and Cleveland, Ohio.
Filed August 7, 1939. Serial No. 422,392. PUBLISHED SEPTEMBER 12, 1939. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

373,090. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PHILIP FISCHER, Chicago, Ill. Filed Oct. 11, 1939. Serial No. 424,429.

Hollywood MOVIE QUIZ

For Cards and Slides for an Amusement Game Operated on a Screen Through Slides.
Claims use since Sept. 1, 1938.

373,091. (CLASS 25. LOCKS AND SAFES.) NATIONAL LOCK CO., Rockford, Ill. Filed Sept. 21, 1939. Serial No. 423,824.

Rockford

For Locks and Keys.
Claims use since December, 1924.

373,092. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TABIN-PICKER & COMPANY, Chicago, Ill. Filed July 20, 1939. Serial No. 421,787.

Rib-Rib

For Cotton and Rayon Piece Goods.
Claims use since Aug. 1, 1938.

373,093. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE GALION METALLIC VAULT COMPANY, Galion, Ohio. Filed May 29, 1939. Serial No. 419,965.

TIRE-PACK

For Automotive Dump Bodies, Such as Are Used on Dump Trucks for Conveying Loads of Material and for Dumping the Conveyed Material at the Desired Destination.
Claims use since Nov. 1, 1937.

373,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EASTON WHOLESALE GROCERY COMPANY, Easton, Md. Filed May 29, 1939. Serial No. 419,959.

TIS so GOOD

For Canned Vegetables, not Including Canned Beans; Coffee, Buckwheat and Pancake Flours, Mayonnaise, Relish Spread, Catsup, and Salt, Wheat Flour, Canned Applesauce.
Claims use since 1933.

373,095. (CLASS 48. MALT BEVERAGES AND LIQUORS.) GARDEN CITY BREWING CO., San Jose, Calif. Filed Feb. 2, 1939. Serial No. 415,504.

WALES ALE

For Beer and Ale.
Claims use since Sept. 27, 1938.

373,096. (CLASS 32. FURNITURE AND UPHOLSTERY.) HENRY R. LUBBEN, Cedar Rapids, Iowa. Filed Dec. 24, 1938. Serial No. 414,198.

THE GRANT WOOD LOUNGE CHAIR

For Lounge Chair.
Claims use since Aug. 29, 1938.

373,097. (CLASS 37. PAPER AND STATIONERY.) DAVID KAHN, INC., North Bergen, N. J. Filed Nov. 29, 1938. Serial No. 413,268.

CLEAR-VUE

For Fountain Pens and Pencils.
Claims use since Sept. 22, 1938.

373,098. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALBANY PACKING COMPANY, INC., Colonie, N. Y., assignor to Formrite Bacon Press Corporation, Colonie, N. Y., a corporation of New York. Filed Sept. 30, 1938. Serial No. 411,115.

Tobin FORMRITE

For Presses, Particularly Adapted for Squaring Bacon Slabs, Commonly Referred to as Bellies.
Claims use since Sept. 20, 1938.

373,099. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio. Filed Sept. 2, 1938. Serial No. 410,216.

MULTI POINT

For Measuring Rules and Gages.
Claims use since Mar. 18, 1938.

373,100. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TYRRELL AND GARTH, INC., Houston, Tex. Filed May 23, 1938. Serial No. 406,661.

GARTH

For Canned Vegetables, Canned Fruits, and Canned Fruit Juices for Food Purposes.
Claims use since Dec. 28, 1936.

373,101. (CLASS 5. ADHESIVES.) THE FRANKLIN GLUE COMPANY, Columbus, Ohio. Filed Apr. 19, 1938. Serial No. 405,441.

FRANKLIN
Strong as the Union
GLUE

For Glue.
Claims use since Sept. 1, 1935.

TRADE-MARK REGISTRATIONS RENEWED

126,103. **VANITE.** WATERPROOF CEMENT FOR USE ON LEATHER, ARTIFICIAL LEATHER, CLOTH, CANVAS, PAPER, AND WOOD. Registered July 22, 1919. VAN SCHAACK BROS. CHEMICAL WORKS, Chicago, Ill. Renewed July 22, 1939, to Ault & Wiborg Corporation, New York, N. Y., a corporation of Ohio, successor.

126,265. **CIRCLE AND BAR.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered August 19, 1919. C. R. COOK PAINT COMPANY. Renewed August 19, 1939, to Cook Paint & Varnish Company, Kansas City, Mo., a corporation of Missouri, successor.

126,968. **STARR.** CERTAIN NAMED MUSICAL INSTRUMENTS AND SUPPLIES. Registered October 14, 1919. THE STARR PIANO COMPANY, Richmond, Ind., a corporation of Indiana. Renewed October 14, 1939.

127,059. **HOOD.** RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLE CANVAS SHOES. Registered October 21, 1919. HOOD RUBBER COMPANY, Watertown, Mass. Renewed October 21, 1939, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee.

127,163. **CERTIFICATE.** CERTAIN NAMED NON-FERROUS METALS. Registered October 21, 1919. WHITE AND BROTHER, INCORPORATED. Renewed October 21, 1939, to White Brothers Smelting Corporation, Philadelphia, Pa., a corporation of Maryland, successor.

127,186. **SIS LIZA'S "OLD SOUTH".** FRUIT PRESERVES, JAMS, VEGETABLE PICKLE RELISHES, AND PICKLES. Registered October 21, 1919. MABEL BOONE GOSNELL. Renewed October 21, 1939, to Good Foods, Incorporated, Minneapolis, Minn., a corporation of Minnesota, assignee.

127,734. **PARATOL.** WATERPROOF TEXTILE FABRICS. Registered December 2, 1919. EASTERN FINISHING WORKS, INC., Kenyon, R. I. Renewed December 2, 1939, to William L. Barrell Company, Inc., New York, N. Y., a corporation of Maine, assignee.

127,955. **THE HARVESTER WORLD.** A MONTHLY PERIODICAL. Registered December 16, 1919. INTERNATIONAL HARVESTER COMPANY OF AMERICA. Renewed December 16, 1939, to International Harvester Company, Chicago, Ill., a corporation of New Jersey, assignee.

127,957. **THE INTERNATIONAL TRAIL.** A MONTHLY PERIODICAL. Registered December 16, 1919. INTERNATIONAL HARVESTER COMPANY OF AMERICA. Renewed December 16, 1939, to International Harvester Company, Chicago, Ill., a corporation of New Jersey, assignee.

128,371. **VEINO ESCO-RA-CO.** EMBALMING FLUID. Registered January 6, 1920. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn., a corporation of Connecticut. Renewed January 6, 1940.

128,401. **CHERIGOLD.** ICE-CREAM, FROZEN CUSTARDS, AND ICES. Registered January 6, 1920. THE HENDLER CREAMERY CO., Baltimore, Md. Renewed January 6, 1940, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

128,435. **LUBRITE.** CERTAIN NAMED PETROLEUM PRODUCTS. Registered January 6, 1920. LUBRITE REFINING COMPANY, St. Louis, Mo. Renewed January 6, 1940, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

128,531. **FARMCREST.** CANNED FRUITS—NAMELY, CANNED PEACHES AND CANNED APRICOTS. Registered January 6, 1920. CHARLES STERN & SONS INC., Los Angeles, Calif. Renewed January 6, 1940, to Farm Crest Bakeries, Incorporated, Wilmington, Del., and Detroit, Mich., a corporation of Delaware, assignee by mesne assignments.

128,791. **DISCOUNT.** WRITING-PAPER. Registered January 13, 1920. MICHAEL MILTON. Renewed January 13, 1940, to Milton Paper Company, Inc., New York, N. Y., a corporation of New York, assignee.

128,867. **VALLICREST.** CANNED PEACHES AND CANNED APRICOTS. Registered January 13, 1920. CHARLES STERN & SONS INC., Los Angeles, Calif. Renewed January 13, 1940, to Farm Crest Bakeries, Incorporated, Wilmington, Del., and Detroit, Mich., a corporation of Delaware, assignee by mesne assignments.

128,868. **WAVECREST.** CANNED FRUITS—NAMELY, CANNED PEACHES AND CANNED APRICOTS. Registered January 13, 1920. CHARLES STERN & SONS INC., Los Angeles, Calif. Renewed January 13, 1940, to Farm Crest Bakeries, Incorporated, Wilmington, Del., and Detroit, Mich., a corporation of Delaware, assignee by mesne assignments.

128,943. **YORKSHIRE RELISH.** A SAUCE FOR USE ON FISH, GAME, CHOPS, STEAKS, SOUPS, STEWS, GRAVIES, AND MEATS. Registered January 20, 1920. W. P. BOWMAN. Renewed January 20, 1940, to Goodall, Backhouse & Co. Ltd., Leeds, England, a corporation of Great Britain, assignee.

129,000. **SPINET.** CIGARS, CIGARETTES, AND SMOKING-TOBACCO. Registered January 20, 1920. R. & J. HILL, LIMITED, London, England, a corporation of Great Britain. Renewed January 20, 1940.

129,080. **STARLIGHT.** CANNED APRICOTS, DRIED FRUITS—NAMELY, PRUNES—AND CANNED TOMATOES WITH PURÉE FROM TRIMMINGS. Registered January 20, 1920. SMITH-FRANK PACKING Co., Sacramento, Calif. Renewed January 20, 1940, to Frank M. Wilson, San Francisco, Calif., a copartnership, assignee by mesne assignments.

129,225. **HARCREST.** CANNED FRUITS—NAMELY, CANNED PEACHES, CANNED APRICOTS. Registered January 27, 1920. CHARLES STERN & SONS INC., Los Angeles, Calif. Renewed January 27, 1940, to Farm Crest Bakeries, Incorporated, Wilmington, Del., and Detroit, Mich., a corporation of Delaware, assignee by mesne assignments.

129,562. **FEDERATION.** LEATHER AND FABRIC GLOVES. Registered February 24, 1920. WELLS-LAMONT MANUFACTURING COMPANY, Minneapolis, Minn. Renewed February 24, 1940, to Wells Lamont Smith Corporation, Chicago, Ill., a corporation of Minnesota, by change of name.

129,664. **ALWRITE.** FOUNTAIN-PENS, LEAD-PENCILS, DRAWING-PENCILS. Registered March 9, 1920. A. T. CROSS PENCIL CO., Providence, R. I., a corporation of Rhode Island. Renewed March 9, 1940.

129,769. **HENNA-SAN.** A PREPARATION FOR COLORING THE HAIR. Registered March 9, 1920. LEHN & FINK, INC., New York, N. Y. Renewed March 9, 1940, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee.

129,999. **NADCO.** DYES. Registered March 16, 1920. NORTH AMERICAN DYE CORPORATION, New Rochelle, N. Y. Renewed March 16, 1940, to North American Dye Corporation, Mount Vernon, N. Y., a corporation of New York, assignee.

130,019. **UNION SHIELD.** PAPER BAGS. Registered March 23, 1920. UNION BAG & PAPER CORPORATION, Jersey City, N. J., and New York, N. Y. Renewed March 23, 1940, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey.

130,029. **PALL MALL.** CIGARETTES, CIGARS, SMOKING AND CHEWING TOBACCO. Registered April 6, 1920. THE AMERICAN TOBACCO COMPANY. Renewed April 6, 1940, to American Cigarette and Cigar Company, New York, N. Y., a corporation of New Jersey, assignee.

130,088. **BEACON.** THREAD AND YARN. Registered April 6, 1920. H. E. LOCKE & COMPANY, INC. Renewed April 6, 1940, to The General Thread Mills, Inc., Boston, Mass., a corporation of Massachusetts, by change of name.

130,164. **CHIPPEWA.** NATURAL SPRING-WATER AND ITS PRODUCTS, PREPARED AS BEVERAGES FROM THE SAID NATURAL SPRING-WATER. Registered April 13, 1920. CHIPPEWA SPRINGS CORPORATION, Minneapolis, Minn., a corporation of Minnesota. Renewed April 13, 1940.

130,183. **SIGNET.** CORN AND CANE PRODUCTS SYRUPS. Registered April 13, 1920. HARDAWAY-CARGILL CO., Columbus, Ga. Renewed April 13, 1940, to Penick & Ford, Ltd. Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

130,204. **KANKA.** THREAD AND YARN. Registered April 13, 1920. H. E. LOCKE & COMPANY, INC. Renewed April 13, 1940, to The General Thread Mills, Inc., Boston, Mass., a corporation of Massachusetts, by change of name.

130,209. **MAC-IT.** RIVET-SETS, AND METAL-WORKING PUNCHES. Registered April 13, 1920. MAC-IT PARTS COMPANY, Lancaster, Pa., a corporation of Pennsylvania. Renewed April 13, 1940.

130,229. **KRABINA.** MALTLESS BEVERAGE. Registered April 13, 1920. JACOB RIES BOTTLING WORKS, INC., Shakopee, Minn., a corporation of Minnesota. Renewed April 13, 1940.

130,265. **AMERICAN.** CONDENSED MILK. Registered April 20, 1920. THE BORDEN COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 20, 1940.

130,303. **GIBSON.** RUBBER STAMPS AND STENCILS. Registered April 20, 1920. A. C. GIBSON COMPANY, INC., Buffalo, N. Y., a corporation of New York. Renewed April 20, 1940.

130,326. **LAURETTE.** MEN'S, LADIES', CHILDREN'S, AND INFANTS' UNDERWEAR IN ONE AND TWO PIECE GARMENTS, AND HOSIERY. Registered April 20, 1920. ROBERT C. KING & Co., New York, N. Y., a firm. Renewed April 20, 1940.

130,327. **PREMIERE.** MEN'S, LADIES', CHILDREN'S, AND INFANTS' UNDERWEAR IN ONE AND TWO PIECE GARMENTS. Registered April 20, 1920. ROBERT C. KING & Co., New York, N. Y., a firm. Renewed April 20, 1940.

130,337. **CROWN JEWEL.** CITRUS FRUITS—VIZ., FRESH ORANGES AND GRAPE-FRUIT. Registered April 20, 1920. LAKE WALES CITRUS GROWERS ASSOCIATION, Lake Wales, Fla., a corporation of Florida. Renewed April 20, 1940.

130,346. **ACE.** KNITTED CAPS AND MUFFLERS. Registered April 20, 1920. THE LION KNITTING MILLS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 20, 1940.

130,361. **M-H.** CERTAIN NAMED AGRICULTURAL MACHINERY. Registered April 20, 1920. MASSEY-HARRIS HARVESTER CO. INC., Batavia, N. Y. Renewed April 20, 1940, to The Massey-Harris Company, Racine, Wis., a corporation of Maryland, assignee.

130,399. **CHIEF JOSEPH.** FRESH CITRUS FRUITS—NAMELY, ORANGES. Registered April 20, 1920. RYAN FRUIT COMPANY, Seattle, Wash., a corporation of Washington. Renewed April 20, 1940.

130,404. **SEACO.** COTTON SEWING-THREADS. Registered April 20, 1920. SEAMANS & COBB CO., Boston, Mass. Renewed April 20, 1940, to Seamans & Cobb Co., Hopkinton, Mass., a corporation of Massachusetts, assignee.

130,423. **VELLMO.** SHADE-CLOTH. Registered April 20, 1920. TALBERT-WHITMORE COMPANY, Los Angeles, Calif. Renewed April 20, 1940, to The Columbia Mills Inc., New York, N. Y., a corporation of New York, successor.

LABELS

REGISTERED NOVEMBER 21, 1939

53,930.—*Title:* ADLA TABLETS. For Tablets for Gastric Hyperacidity. THE ADLERIKA COMPANY, St. Paul, Minn. Published March 28, 1939.

53,931.—*Title:* PEACE FOR OUR NATION. For a Game. BRADLEE PUBLISHING CO., Waltham, Mass. Published October 9, 1939.

53,932.—*Title:* VINOL. For a Tonic Combining the Vitamin B Complex and Iron with Other Valuable Ingredients. CHESTER-KENT, INC., St. Paul, Minn. Published April 18, 1939.

53,933.—*Title:* FOR SAFETY THUMB 'EM. For Books of Safety Matches. BARNEY FREDERICKS, St. Louis, Mo. Published September 29, 1939.

53,934.—*Title:* GIBBONS MASTER. For Feeds. J. T. GIBBONS, INC., New Orleans, La. Published July 3, 1939.

53,935.—*Title:* LAND-OF-BAYS. For Cranberries. CLARENCE A. RICKER, Duxbury, Mass. Published October 9, 1939.

53,936.—*Title:* SALERNO CHOCOLATE THINS. For Sweetened Thin Wafers or Cookies Flavored with Chocolate, Commercially Termed Chocolate Thins. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Published September 4, 1939.

53,937.—*Title:* SALERNO COCOANUT THINS. For Sweetened Thin Cookies or Wafers Containing Cocoanut, Commercially Termed Cocoanut Thins. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Published September 27, 1939.

53,938.—*Title:* SALERNO VANILLA THINS. For Sweetened Thin Wafers or Cookies Flavored with Vanilla, Commercially Termed Vanilla Thins. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Published September 1, 1939.

53,939.—*Title:* UNION MADE W. S. W. I. U. For Shoes. WEBSTER SHOE WORKERS INDEPENDENT UNION, Webster, Mass. Published October 2, 1939.

PRINTS

REGISTERED NOVEMBER 21, 1939

17,700.—*Title:* LUCKY BOY. For Cookies Known Generally by the Trade as Stage Planks. CHATTANOOGA BAKERY, INC., Chattanooga, Tenn. Published September 23, 1939.

17,701.—*Title:* E AND B SPECIAL BEER. For Beer. EKHARDT & BECKER BREWING COMPANY, INC., Detroit, Mich. Published May 5, 1939.

17,702.—*Title:* RIDING HIGH. For Beer. EKHARDT & BECKER BREWING COMPANY, INC., Detroit, Mich. Published October 20, 1939.

17,703.—*Title:* CELLOPHALT. For Burial Vaults. THE MARION METAL PRODUCTS COMPANY, Marion, Ohio. Published July 22, 1939.

REISSUES

NOVEMBER 21, 1939

21,268

PHOTOGRAPHIC BACKING PAPER

Ernest Loring Baxter, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Original No. 2,153,130, dated April 4, 1939, Serial No. 167,015, October 2, 1937. Application for reissue September 30, 1939, Serial No. 297,361

8 Claims. (Cl. 95—9)

1. Photographic backing paper carrying indicia composed of a non-hardened prolamine and coloring matter, overcoated with a colloid.

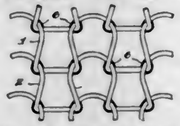
21,269

PROCESS OF COATING KNIT ARTICLES AND PRODUCTS THEREOF

Lloyd Groff Copeman, Lapeer, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan

Original No. 2,172,251, dated September 5, 1939, Serial No. 127,714, February 25, 1937. Application for reissue September 9, 1939, Serial No. 294,222

16 Claims. (Cl. 91—68)



1. The process of treating silk textiles of the type so woven as to be subject to laddering, which comprises coating the individual threads of each discrete loop with an aqueous dispersion of rubber in dilute form and containing only sufficient rubber solids to adhere to the individual threads as a substantially uniform non-coagulated coating, the spaces between the threads remaining open, precipitating rubber from such dilute dispersion upon the surface of each individual thread to form a very thin and uniform sheath of rubber substantially covering the thread, and then vulcanizing the same.

21,270

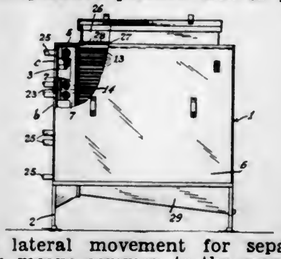
HEAT EXCHANGE DEVICE

Harvey Feldmeier, deceased, late of Little Falls, N. Y., by Cherry-Burrell Corp., assignee, Little Falls, N. Y.

Original No. 1,840,573, dated January 12, 1932, Serial No. 399,462, October 14, 1929. Application for reissue June 5, 1939, Serial No. 277,488

31 Claims. (Cl. 257—184)

1. A heat exchanger for treating liquids such as milk comprising a base, a frame rigidly fixed to said base, a cluster of relatively thin, substantially rectangular heat exchange units having heat-exchange-medium inlet and outlet ports and mounted upon said frame and arranged in close, substantially parallel, side by side relation when in operative position, said units being provided with horizontally arranged, substantially parallel heat-exchange-medium flow passages, said passages of each unit being connected to form a continuous zigzag flow passage intermediate the heat-exchange-medium inlet and outlet ports of each unit, distributing means for flowing the liquid to be treated in a thin film separately over each unit in counter-cross-current direction with respect to the direction of flow of the heat-exchange-medium when passing from the said inlet port to said outlet port of each unit and arranged above said units only when in their operative position, treated liquid collecting means arranged below said units when in their operative position, means supporting said units upon said frame for relative lateral movement away from operative position without raising or lowering the center of gravity of any of said units, thereby enabling the units to be easily separated for cleaning, means common to the several units of the cluster having elements laterally movable with the units and operable for supplying heat-exchange-medium to one end of all of the units of said cluster when in operative position and to permit said



relative lateral movement for separation for cleaning, means common to the several units of the cluster having elements laterally movable with the units and operable for withdrawing heat-exchange-medium from that same end of all of the units of said cluster to which the heat-exchange-medium was supplied and operable to permit said relative lateral movement for separation for cleaning, and an openable cabinet enclosing said cluster of units and operable to permit separation of the individual units of said cluster for cleaning, whereby the space occupied by the assembled cluster when in operative position is so related to the space occupied by the units when separated for cleaning that a substantial saving in space is effected over the space which would be occupied by the same units fixedly mounted upon a frame and equally accessible for cleaning.

21,271

TROUSER SUPPORT AND SHIRT RETAINER

Walter F. Gustlin, Santa Ana, Calif.

Original No. 2,134,442, dated October 25, 1938, Serial No. 91,613, July 20, 1936. Application for reissue February 20, 1939, Serial No. 257,486

6 Claims. (Cl. 241—7)



1. A garment supporting element of the class described capable of being inserted in the waist

53,936.—*Title:* SALERNO CHOCOLATE THINS. For Sweetened Thin Wafers or Cookies Flavored with Chocolate, Commercially Termed Chocolate Thins. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Published September 4, 1939.

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53,939.—*Title:* UNION MADE W. S. W. I. U. For Shoes. WEBSTER SHOE WORKERS INDEPENDENT UNION, Webster, Mass. Published October 2, 1939.

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REGISTERED NOVEMBER 21, 1939

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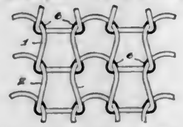
21,269

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16 Claims. (Cl. 91—68)



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21,270

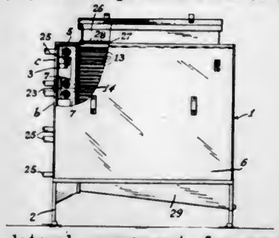
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31 Claims. (Cl. 257—184)

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relative lateral movement for separation for cleaning, means common to the several units of the cluster having elements laterally movable with the units and operable for withdrawing heat-exchange-medium from that same end of all of the units of said cluster to which the heat-exchange-medium was supplied and operable to permit said relative lateral movement for separation for cleaning, and an openable cabinet enclosing said cluster of units and operable to permit separation of the individual units of said cluster for cleaning, whereby the space occupied by the assembled cluster when in operative position is so related to the space occupied by the units when separated for cleaning that a substantial saving in space is effected over the space which would be occupied by the same units fixedly mounted upon a frame and equally accessible for cleaning.

21,271

TROUSER SUPPORT AND SHIRT RETAINER

Walter F. Gustlin, Santa Ana, Calif.

Original No. 2,134,442, dated October 25, 1938, Serial No. 91,613, July 20, 1936. Application for reissue February 20, 1939, Serial No. 257,486

6 Claims. (Cl. 241—7)



1. A garment supporting element of the class described capable of being inserted in the waist

band of said garment and adapted to retain the shirt of the wearer against displacement relative to the garment and to also support said garment, said supporting element comprising an elongated resilient member having one face thereof adapted to frictionally engage the shirt and having its opposite face provided with T-shaped pins, said T-shaped pins being encased in the material of the resilient member, resilient retaining members formed on said resilient member to receive the free ends of the pins and having notches to engage said free ends of the pins, whereby said pins may be engaged with said retaining members and disengaged therefrom.

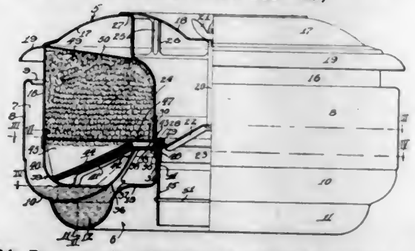
21,272

APPARATUS FOR CLEANING AIR

Theodore W. Hallerberg, Chicago, Ill., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich., a corporation of Delaware

Original No. 2,040,376, dated May 12, 1936, Serial No. 27,676, June 21, 1935. Application for reissue March 22, 1937, Serial No. 132,350

26 Claims. (Cl. 183—15)



24. In an air cleaner, a vertical round wall forming the inner side of an annular air inlet passage and having its lower edge turned inward to reduce restriction, a second vertical round wall around the first wall forming the outer side of the air inlet passage and curving in below the lower edge of the first wall to a horizontal annular corner, the second wall extending down below the annular corner and then up to define a deep sump part, and a baffle adjacent said corner and overlying said deep sump part.

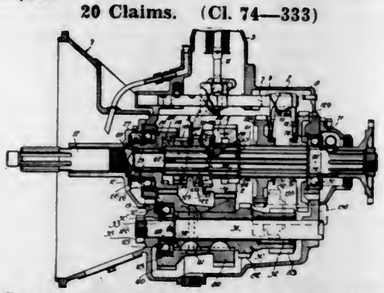
21,273

TRANSMISSION

Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Original No. 1,992,898, dated February 26, 1935, Serial No. 512,596, January 31, 1931. Application for reissue October 16, 1936, Serial No. 105,935

20 Claims. (Cl. 74—333)



2. In a transmission comprising a driving shaft, a driven shaft, a countershaft, and gear means connecting the driving shaft and a countershaft, the driven shaft having a splined reduced portion and an abutment shoulder between the splined portion and the portion of larger diameter, a bushing carried in said splined portion adjacent the shoulder, gear means connecting the driven shaft and the countershaft and including a gear journaled on said bushing, and locking means for holding said gear in position on the bushing and against said shoulder.

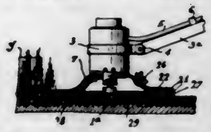
21,274

ELECTRIC CUTTER AND TRIMMER

John A. Orr, Chicago, Ill.

Original No. 2,149,463, dated March 7, 1939, Serial No. 4,849, February 4, 1935. Application for reissue July 17, 1939, Serial No. 284,901

8 Claims. (Cl. 56—25)



8. An electric grass cutter and trimmer, comprising a housing, a bell-shaped skirt depending from the housing, a motor on the housing, a cutting blade rotatably positioned beneath the housing and driven by the motor, the ends only of the cutting blade being sharpened and beveled so that in high speed rotation, a current of air is directed outwardly beneath the edge of the skirt housing and a supporting plate adapted to be moved over the ground and to follow the ground topography as the cutter is operated, and combined guard means for the blade and supports for the ground plate, said guard and support means being adjustable and removably mounted on the housing.

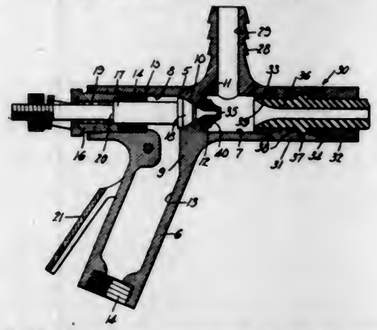
21,275

BLAST GUN

Clarence B. Pletcher, Buchanan, Mich.

Original No. 2,107,084, dated February 1, 1938, Serial No. 137,576, April 17, 1937. Application for reissue April 28, 1938, Serial No. 204,924

5 Claims. (Cl. 51—11)



4. A blast device comprising a barrel formed with a mixing chamber and with an inlet for a stream of water under pressure at one side thereof and with an outlet at the opposite side thereof and with a lateral inlet discharging thereinto between said inlet and said outlet, said water inlet having means for discharging an auxiliary stream of water into the mixing chamber at an angle divergent in the direction of flow to the first-named stream of water to induce turbulence in the mixing chamber.

21,276

CHEMICAL HEATING PAD FOR PERMANENT HAIR WAVING

Frederick L. Reynolds, Mill Valley, Calif., assignor to United States Appliance Corporation, San Francisco, Calif., a corporation of California

Original No. 2,153,678, dated April 11, 1939, Serial No. 239,482, November 8, 1938. Application for reissue August 12, 1939, Serial No. 289,844

5 Claims. (Cl. 132—36.2)



1. In a chemical heating pad for permanent hair waving, a sheet of metallic foil, and a sheet of asbestos paper disposed in intimate contact with one side of the aluminum foil, the sheet of asbestos fiber being adapted to be saturated with a chemical solution for exothermic reaction with the aluminum foil.

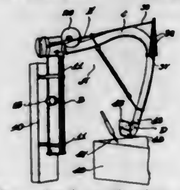
21,277

BANKER DUST COLLECTOR UNIT

Richard Ruemelin, Milwaukee, Wis.

Original No. 1,908,560, dated May 9, 1933, Serial No. 511,300, January 26, 1931. Application for reissue September 11, 1939, Serial No. 294,348

20 Claims. (Cl. 302—34)



1. A banker dust collector including a sand trap, a revolvable head formed on said sand trap, a flexible dust collecting hose extending from said head, a dust collecting snout carried by the free end of said hose, and a counterbalanced adjustable supporting means for holding said snout in a predetermined position.

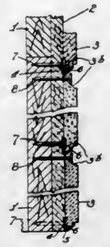
21,278

BUILDING WALL STRUCTURE

Lester E. Willson, Streator, Ill., assignor to Brick-V-Neer Sales Company, Streator, Ill., a corporation of Illinois

Original No. 2,093,262, dated September 14, 1937, Serial No. 91,850, July 22, 1936. Application for reissue September 12, 1939, Serial No. 294,509

6 Claims. (Cl. 72—19)



5. A wall structure which includes a backing layer and a layer of separate individual facing tiles disposed flatly in close contact with the outer surface of said backing, said tiles being placed in rows and spaced from each other, and securing means engaging the lower edges of the tiles for supporting them in longitudinal alignment, said means including portions secured flatly against the backing and portions extending transversely therefrom to afford lodgment for the lower edges of the tiles, said transverse portions being no longer than the individual tiles so as not to extend into the spaces between tiles at vertical joints in the wall.

PLANT PATENTS

GRANTED NOVEMBER 21, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

347

ORANGE TREE

John Albert Workman, Riverside, Calif., assignor to Armstrong Nurseries, Ontario, Calif.

Application May 5, 1939, Serial No. 272,023

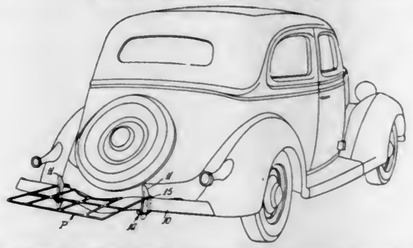
1 Claim. (Cl. 47—62)

A new and distinct variety of navel orange tree substantially as described, characterized particularly by its greater vigor; its denser foliage composed of slightly larger, less serrate and broader leaves; its later flowering season; and the much later season of maturity of its fruit; all as compared with the Washington Navel Orange.

PATENTS

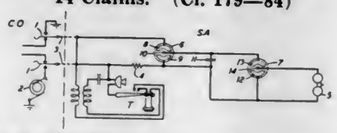
GRANTED NOVEMBER 21, 1939

2,180,333
LUGGAGE RACK
Moses J. Boggia, Corona, N. Y.
Application October 4, 1938, Serial No. 233,162
2 Claims. (Cl. 224—29)



1. The combination with an automobile of the type having a bumper with a pair of spaced bumper guards extending substantially at right angles to the length of the bumper, of a luggage rack, the latter comprising a platform having lateral hooks unitary and rigid therewith at its forward end, straddling said bumper and in contact with said bumper guards, each of said hooks having a further hook unitary therewith, in a plane at right angles thereto and straddling the lower portion of the corresponding bumper guard.

2,180,334
SIGNALING SYSTEM
Harold A. Bredehoft, Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 20, 1938, Serial No. 185,852
14 Claims. (Cl. 179—84)



1. In a telephone system, a central office, a subscriber's station, a line connecting said central office and station, a source of ringing current at said central office connectable to said line, a ringer at said station connected to said line, and means responsive to continuous current from said source when connected to said line for operating said ringer at intervals.

2,180,335
PROCESS FOR HARDENING ALBUMINOUS SUBSTANCES
Johannes Brunken, Dessau, Anhalt, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application July 16, 1937, Serial No. 154,041. In Germany July 28, 1936
7 Claims. (Cl. 95—7)

1. The process of hardening an albuminous substance which consists in treating it with a ketone containing in its molecule at least one hydroxy-group and no aldehyde group.

6. In the manufacture of photographic articles provided with a hardened gelatin layer, the step which comprises hardening the gelatin by causing it to react with a ketone containing in its molecule at least one hydroxy group and no aldehyde group.

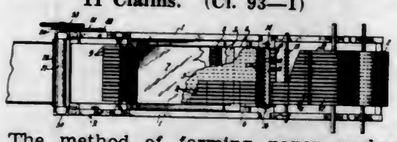
2,180,336
DYESTUFF INTERMEDIATES OF THE ANTHRAQUINONE SERIES
Edwin C. Buxbaum, Silverside Heights, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 10, 1938, Serial No. 224,122
4 Claims. (Cl. 260—381)

1. Cyanoanthraquinone compounds which carry in the 1-position an amino radical of the class consisting of amino, alkylamino, and acidylamino radicals, in the 2-position a member of the group consisting of hydrogen, bromine and sulfonic acid groups and in the 4-position a bromine atom, there being present in the molecule one cyano group in one of the alpha positions, 5 and 8.

2,180,337
DYESTUFFS OF THE ANTHRAQUINONE SERIES
Edwin C. Buxbaum, Silverside Heights, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 10, 1938, Serial No. 224,123
5 Claims. (Cl. 260—371)

1. Cyanoanthraquinone compounds which carry in the 1-position an amino radical of the class consisting of amino, alkylamino, and acidylamino radicals, in the 2-position a member of the group consisting of hydrogen, bromine and sulfonic acid groups, in the 4-position an arylamino radical of the benzene series, and a cyano radical in one of the positions 5 and 8.

2,180,338
METHOD AND APPARATUS FOR FORMING PAPER PACKAGES
William S. Cloud, Wilmette, Ill.
Application June 2, 1937, Serial No. 145,956
11 Claims. (Cl. 93—1)

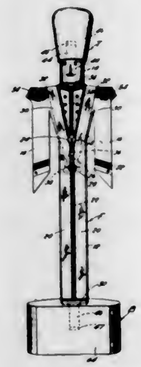


1. The method of forming paper packages, which comprises continuously feeding two strips of correlatedly marked paper in superimposed relationship, applying adhesive to said strips, and controlling the rate of feed of one of said strips with relation to the other at a point in advance of that where adhesion takes place, to bring the marks on the two strips in register, to cause said strips to adhere in predetermined relationship.

2,180,339
BITUMINOUS NONSKID PAVEMENT
Joseph H. Conzelman, Birmingham, Ala., assignor to Alabama Asphaltic Limestone Company, Birmingham, Ala., a corporation of Alabama
No Drawing. Application July 2, 1937, Serial No. 151,645
5 Claims. (Cl. 94—23)

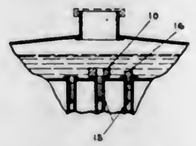
1. A bituminous pavement comprising a compacted layer of bituminous mixture having a lower portion containing a well balanced dense aggregate, the particles of which are coated and bonded together with bitumen to form a stable water sealing strata and an upper portion containing an unbalanced relatively open aggregate the particles of which are coated and bonded together with bitumen to provide a nonskid tractive surface, said upper portion forming a substantial part of said layer and merging into and being integral with said lower portion.

2,180,340
FIGURE ADAPTED FOR ADVERTISING AND TOY PURPOSES
Marcel James Eisler, New York, N. Y., assignor to Conmar Products Corporation, Bayonne, N. J., a corporation of New Jersey
Application September 22, 1938, Serial No. 231,133
10 Claims. (Cl. 46—115)



1. In combination, a simulated figure, said figure comprising leg, trunk and head portions, and a partially opened slide fastener including tapes and interlockable fastener elements secured along the edges of the tapes, the closed part of the slide fastener extending in front of the leg portion of the figure, and the open portion of the slide fastener extending divergently upwardly in front of the trunk portion of the figure.

2,180,341
RADIATOR STOP-LEAK
Hugo Erickson, Chicago, Ill.
Application February 21, 1938, Serial No. 191,733
1 Claim. (Cl. 134—17.5)

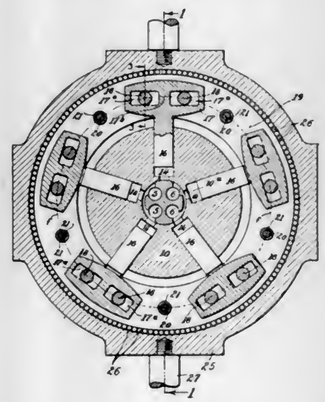


As an article of manufacture, a piece of radiator stop-leak material in the form of an annular lozenge, said lozenge having a diameter substantially greater than its axial length and substantially greater than the tube openings of the radiator in which it is intended to be used.

2,180,342
MANUFACTURE OF MODIFIED ISOCOLLOID PRODUCTS HAVING CONTROLLED SOLUBILITY
Laszlo Auer, Budapest, Hungary, assignor to J. Randolph Newman, Washington, D. C., as trustee
No Drawing. Application April 21, 1930, Serial No. 446,174. Renewed February 3, 1936. In Great Britain April 24, 1929
14 Claims. (Cl. 87—12)

1. In the manufacture of modified products from fatty oils, said modified products varying from thickened viscous oils to solidified oils and being capable of dissolving in organic solvents, the process which comprises heating together a fatty oil and a polar compound soluble in said organic solvent until a modified product soluble in said solvent is produced, said polar compound being p-nitrophenol and said heating being to at least 200° C., the said modified bodied oil product so obtained being soluble in acetone, butyl acetone and benzene.

2,180,343
HYDRAULIC PUMP OR MOTOR
Elek K. Benedek, Bucyrus, Ohio
Application November 20, 1935, Serial No. 50,671
4 Claims. (Cl. 103—161)



4. In a hydraulic machine of the class described including a plurality of rotatable, radially disposed piston and cylinder assemblies, each comprising a relatively reciprocable element and a relatively non-reciprocable element, the relatively reciprocable elements having rigid head members thereon respectively, a rotary support member having radial flange portions lying alongside the head members, each head member being elongated fore and aft from the axis of the associated piston and cylinder assembly, and there being associated with each piston and cylinder assembly an elongated operating way in one of the said members both fore and aft of the associated piston and cylinder axis and two transverse rollers spaced fore and aft of said associated piston and cylinder axis and each having rolling engagement with the way in one member and being journalled in said other member, and reinforcing means for said heads substantially in the line of the respectively associated piston and cylinder axes.

2,180,344
TERTIARY N,N-DI-CYCLOALKYL-ALKYL AMINES
Frederick F. Blicke, Ann Arbor, Mich.
No Drawing. Application June 21, 1937, Serial No. 149,550
9 Claims. (Cl. 260—563)

6. A compound selected from the group consisting of (*a*) the tertiary amines wherein two cycloalkyl-lower alkyl groups are attached by the alkyl residue to the nitrogen atom and the third substituent is a hydrocarbon group attached directly to the nitrogen atom and (*b*) the inorganic and organic carboxylic acid addition salts thereof.

2,180,345
CATALYST FOR MAKING ETHYL CHLORIDE
Robert D. Blue, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 29, 1936, Serial No. 98,600
4 Claims. (Cl. 23—233)

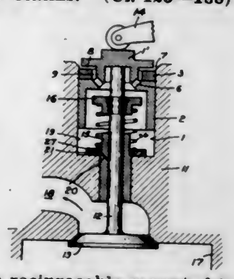
4. In a method of preparing a liquid catalytic medium, the step which consists in contacting a chlorinated aliphatic hydrocarbon with metallic aluminum in the presence of a relatively small amount of an agent which contains a halogen and which is reactive with aluminum under substantially anhydrous conditions and is an activator for the reaction between said chlorinated hydrocarbon and aluminum, at a temperature above about 20° C. but below the boiling point of the chlorinated aliphatic hydrocarbon employed, under the vapor pressure of the reaction mixture at the temperature employed.

2,180,346
WAIST BAND CONSTRUCTION
Henry Brewster, New York, N. Y.
Application December 30, 1937, Serial No. 182,379
1 Claim. (Cl. 2—229)



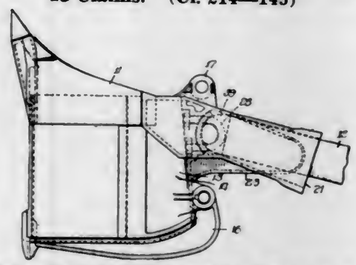
A waistband construction including a plurality of elastic loops and being formed of an elongated strip of fabric, said strip of fabric being reversely folded on itself at its middle portion so as to form an intermediate reversely folded section and upper and lower sections respectively above and below said reversely folded section, the intermediate reversely folded section forming a pocket to receive the bottoms of the loops and stitching extending through said intermediate reversely folded section to hold said reversely folded section together and to hold the ends of said loops in the pockets of said reversely folded section, the upper edge of the upper section and the lower edge of the lower section being adapted to be sewn to a garment in lieu of forming buttonholes therein.

2,180,347
RECIPROCATING VALVE
Hans A. Bohuslav, San Francisco, Calif., assignor to Enterprise Foundry Corporation, San Francisco, Calif., a corporation of Nevada
Application October 15, 1938, Serial No. 235,193
7 Claims. (Cl. 123—188)



1. A piston reciprocably mounted in a cylinder, a piston ring on said piston positioned in a groove substantially wider than the width of said ring so as to provide for relative reciprocative movement of said ring longitudinally of said piston as the piston is reciprocated, and a fluid passage including the space between said ring and the wall of its groove extending from one side of said piston to the opposite side adapted to be closed upon one way reciprocative movement of said piston by relative displacement of said ring in its groove, and opened upon reverse movement.

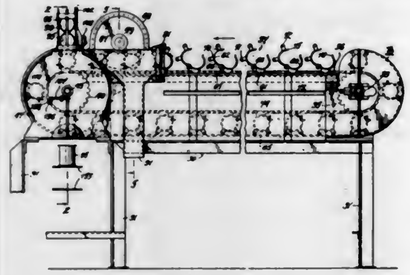
2,180,348
DIPPER
Arthur W. Daniels, Chicago, Ill., assignor to Daniels-Murtaugh Company, Cedar Rapids, Iowa, a partnership comprising Arthur W. Daniels and Joseph P. Murtaugh
Application July 6, 1936, Serial No. 89,142
13 Claims. (Cl. 214—145)



1. The combination of a dipper having a unitary dipper back with a socket formed integrally therewith and extending away therefrom, a dipper stick for operating said dipper extending removably into said socket, and means for eliminating vertically transverse digging slap between the stick and the socket.

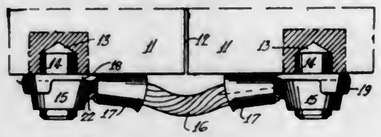
2,180,349
APPARATUS FOR PACKING FOODSTUFFS
William de Back, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York
Application June 26, 1937, Serial No. 150,579
24 Claims. (Cl. 226—101)

1. Apparatus for packing foodstuffs, comprising an endless flexible conveyer, means for supporting said conveyer to traverse a noncircular path, means for moving said conveyer to successively traverse a filling station and a transferring station, a plurality of molds carried by said conveyer in spaced relation and adapted to be filled with said foodstuffs at said filling



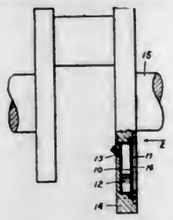
station, means for mounting said molds on said conveyer to hold said molds in a constant, fixed position relative to said conveyer and means for emptying said molds into cans at said transferring station.

2,180,350
ELECTRIC BOND FOR RAIL JOINTS
Edward A. Everett, Long Island City, N. Y., assignor to Matthew H. Loughridge, Bogota, N. J.
Application September 4, 1936, Serial No. 99,432
4 Claims. (Cl. 173—280)



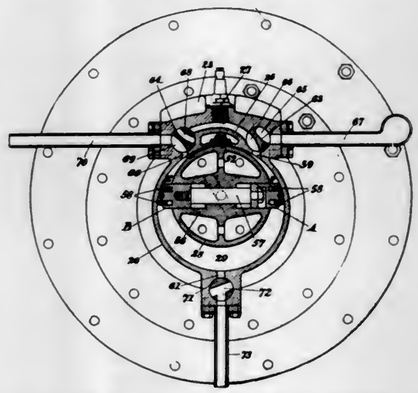
4. In combination, a rail with a conical ended hole, a plug of steel with a welded copper coat of uniform diameter and having a flat nose for driving into the rail hole and a conductor secured to said plug.

2,180,351
TORSIONAL VIBRATION DAMPER
William L. Fischer, Philadelphia, Pa.
Application January 5, 1938, Serial No. 183,493
14 Claims. (Cl. 74—604)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A vibration damper for a torque transmitting shaft having a substantially cylindrical recess formed with its axis parallel to but offset from the axis of rotation of said shaft, and a body of liquid partially filling said recess so as to have a single free surface extending continuously between opposed concave portions of the cylindrical surface of said recess and adapted to swing freely around the axis of said recess upon occurrence of a predetermined speed of said shaft.

2,180,352
ROTARY INTERNAL COMBUSTION ENGINE
Delmer S. Fahrney, United States Navy
Application March 9, 1938, Serial No. 194,883
3 Claims. (Cl. 123—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

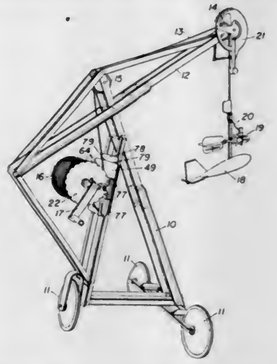


1. A rotary internal combustion engine comprising a cylindrical casing; a cylindrical member of less diameter than said casing rotatably mounted in said casing in excentric tangent relation thereto to provide an expansion chamber therebetween, said casing having a fuel inlet port and an exhaust port communicating with said chamber on opposite sides of the line of tangency between said rotatable member and said casing; vanes slidably mounted in said rotatable member for sealing contact with the wall of said expansion chamber; a firing chamber in said casing and communicating with said expansion chamber on opposite sides of said line of tangency; a valve for controlling communication between said fuel inlet port and said expansion chamber and between said firing chamber and said expansion chamber; a valve for controlling communication between said exhaust port and said expansion chamber and between said firing chamber and said expansion chamber; and means driven by said rotatable member for actuting said valves in timed relation to one another.

2,180,353
VANADIUM OXIDE CATALYST
Harold B. Foster, Williamsville, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 6, 1933, Serial No. 650 593
22 Claims. (Cl. 23—234)

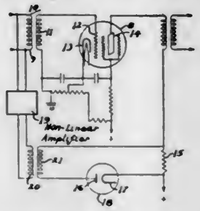
1. The process of producing a catalyst which comprises associating a catalyst carrier with a compound prepared by reducing an oxygen-containing pentavalent vanadium compound with a hydrohalide selected from the group consisting of hydrogen chloride, hydrogen bromide, and hydrogen iodide, and subsequently igniting the resulting mixture.

2,180,354
WATER SURVEYING APPARATUS
Arthur H. Frazier, Washington, D. C., assignor to the Government of the United States, as represented by the Secretary of the Interior
Application September 18, 1937, Serial No. 164,538
3 Claims. (Cl. 73—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



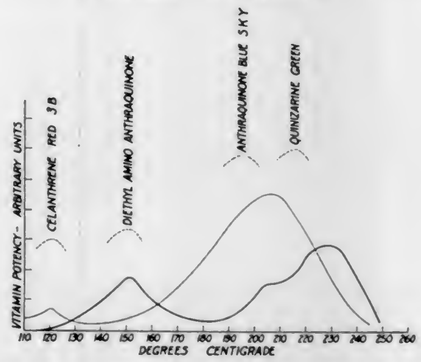
1. A water surveying rig comprising water surveying instruments, a cable attached to the instruments, a spring-loaded reel for said cable, said reel being of the type to store power in the spring as the cable is unreeled, said spring-loaded reel being loadable to such degree as to effect an equilibrium with the pull of the cable on the reel when the instruments are partly lowered, and being further loadable by application of power thereto in increasing amounts to complete lowering of the water surveying instruments, said rig requiring a material increase in application of power to the spring-loaded reel to effect further unreeling upon grounding of the instruments, whereby grounding of the instruments may be readily detected.

2,180,355
MEANS FOR SUPPRESSING NOISE IN RADIO RECEIVERS
Philip M. Haffcke, Washington, D. C.
Application November 5, 1937, Serial No. 172,921
9 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



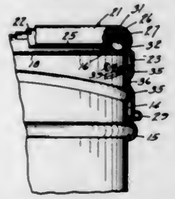
1. The combination with a radio receiver stage that includes a vacuum tube having a cathode, a control grid, and an anode, and an input circuit operatively associated with said tube, of means to feed signal energy to said input circuit, a non-linear amplifying device outside the signal channel through said receiver connected to said means, a diode rectifier, a resistance in series between the electrodes of said rectifier and also in series in the anode supply of said tube, and means coupling the output of said amplifier to the anode of said rectifier.

2,180,356
VACUUM DISTILLATION OF OILS CONTAINING VITAMINS
Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application November 27, 1936, Serial No. 112,847
1 Claim. (Cl. 202—52)



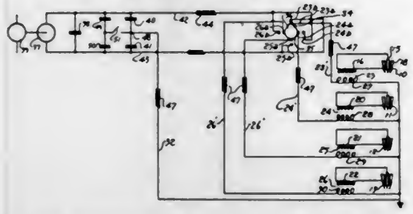
In the process of molecular distillation of fish oils to obtain concentrated fat soluble vitamins the steps which comprise segregating components distilling up to 170° C., separating a fraction at between about 170° and 195° C. and returning it to the fresh incoming oil to be distilled, and separating a fraction high in vitamin content at a temperature between about 195° and 230° C.

2,180,357
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 26, 1935, Serial No. 46,939
4 Claims. (Cl. 220—39)



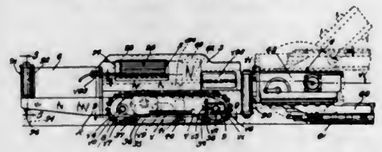
4. A container for easy opening comprising a container body formed with a top ledge defining an opening, a two-piece unitary cover for closing said opening, said cover including a cover disc having a peripheral seating flange and a clamping member having an annular mounting with the flange of said disc and providing relative rotation between said disc and said member to pull down on the disc, a gasket on said flange for engaging said ledge, cooperating screw threads formed in said body and in said clamping member for positively moving said clamping member upwardly and downwardly, peripheral inwardly projecting means spaced around said clamping member above said threads and below said flange adapted to engage said flange and lift the latter and the cover disc out of sealing engagement with said ledge when said clamping member is rotated to release the same from the container body.

2,180,358
IGNITION SYSTEM
Frederick J. Hooven, Dayton, Ohio
Application March 9, 1938, Serial No. 194,784
12 Claims. (Cl. 123—148)



1. The method of successively energizing the primary windings of spark coils to create sparks at successive spark plugs comprising periodically charging a condenser through a primary winding from a source of charging current while discharging a second condenser through the same primary winding to thereby energize said primary winding, and then discharging the first condenser through a second winding while charging the second condenser through the second winding to thereby energize the second winding.

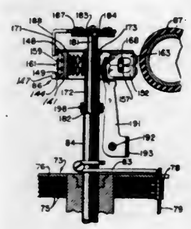
2,180,359
MINING MACHINE
Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 1, 1935, Serial No. 29,310
3 Claims. (Cl. 262—28)



1. The combination with a mining machine having traction means for supporting and propelling the machine, and kerf cutting mechanism supported by said traction means and including a horizontal kerf cutter, of elevating devices on the machine and engageable with the mine floor for bodily elevating the machine together with said traction means out of engagement with the surface over which the traction means moves, thereby to elevate said kerf cutter into different horizontal cutting planes, said machine when so elevated being solely supported by said elevating devices.

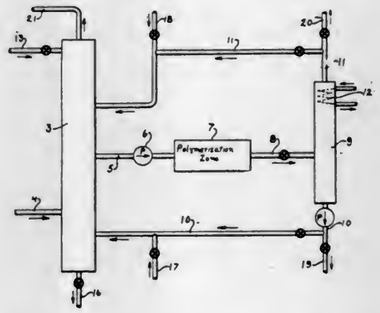
2,180,360
PRINTING TELEGRAPH APPARATUS
Howard L. Krum, Kenilworth, and Carl W. Swan, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 4, 1936, Serial No. 77,794
17 Claims. (Cl. 197—53)

1. In a type wheel mechanism, a plurality of individual type elements, single means for displaceably retaining certain of said type elements, other single means for limiting the displaceability



of all of said type elements, and means for selectively actuating any one of said type elements.

2,180,361
SEPARATION AND TREATMENT OF FLUIDS
Raymond Charles Lassiat, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application March 1, 1937, Serial No. 128,394
4 Claims. (Cl. 196—10)

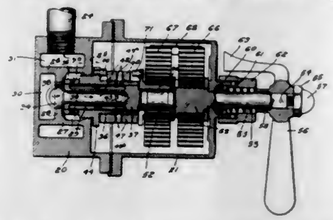


1. In the polymerization of unsaturated hydrocarbons, the process steps of admitting a hydrocarbon fluid containing unsaturates desired as charge for the polymerization reaction and higher boiling material to a fractionating zone, withdrawing from the latter a distillate fraction composed to substantial extent of said unsaturates, subjecting said unsaturates under polymerizing conditions to a polymerizing operation, separating from the resulting products a cut comprising polymers and an excess of hydrocarbons boiling within the boiling range of said distillate fraction, and feeding said cut to said fractionating zone at a level separate from but adjacent and below that for the admission of said fluid thereto, thereby simultaneously to blend said polymers with said higher boiling material and to minimize loss to the resulting fluid of desired unsaturates in the starting material.

2,180,362
MANUFACTURE OF THERMOSTATIC MIXING VALVES
Frederick C. Leonard, Cranston, R. I.
Refiled for abandoned application Serial No. 715,430, March 14, 1934. This application October 25, 1937, Serial No. 170,818
8 Claims. (Cl. 236—12)

1. In a mixing valve, a housing having an inlet

chamber for hot fluid, an inlet chamber for cold fluid, and an outlet chamber for mixed fluid, a member having a bore communicating with one inlet chamber, a sleeve spaced from said member, the space between said sleeve and said member communicating with the other inlet chamber, said member and said sleeve having outflow openings



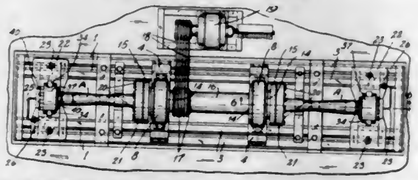
for said bore and said space, a sleeve valve device mounted on said sleeve and movable to control outflow from said openings, a thermostatic chamber in communication with said outflow openings and said outlet chamber, and thermostatic means in said thermostatic chamber responsive to change in temperature of the fluid therein to move said valve device.

2,180,363

APPARATUS FOR TESTING AXLES AND THE LIKE

Oscar J. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application December 23, 1937, Serial No. 181,271
8 Claims. (Cl. 73—51)



1. Testing apparatus of the kind described comprising a rotatably mounted hollow shaft, means for rotating said shaft, means for stopping the rotation of said shaft, a hub member adapted to be press-fitted on the wheel seat of a locomotive axle, means for securing said hub member to said shaft in axial alinement therewith with the end of said axle inside of said shaft, means for applying measured load transversely to the outer end portion of said test specimen at a measured distance from the end of said hub member, and means for counting the revolutions of the test specimen, said shaft rotation stopping means comprising an element which is adjacent in a transverse direction to the free end portion of the test specimen so as to be operable by said specimen when the deflection thereof reaches a predetermined amount short of fracture.

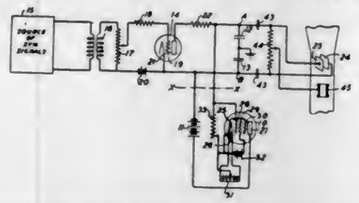
2,180,364

CATHODE RAY SWEEP CIRCUITS

Frank R. Norton, Livingston, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 25, 1936, Serial No. 65,607
13 Claims. (Cl. 250—36)

1. A linear time axis generator comprising two condensers connected in series with their common terminal placed at a fixed potential, means comprising a pentode electron discharge device and a source of direct current for charging said



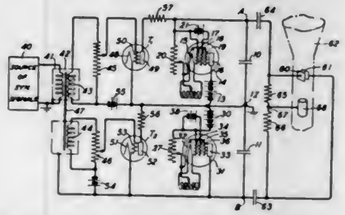
condensers at a substantially uniform rate, and means for periodically discharging said condensers simultaneously.

2,180,365

SWEEP CIRCUITS

Frank R. Norton, Livingston, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 25, 1936, Serial No. 65,608
20 Claims. (Cl. 250—36)



6. A sweep circuit comprising two condensers, means for charging said condensers substantially linearly with respect to time, two electron discharge devices having their discharge paths in a series circuit including said condensers, each of said electron discharge devices having a control element, signal actuated means for initiating a discharge through said first electron discharge device, and means comprising a resistance and capacity coupling between the discharge path of said first electron discharge device and the control element of said second electron discharge device for causing a discharge through said second discharge device substantially simultaneously with the discharge through said first discharge device.

2,180,366

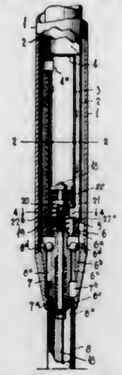
PUMPING APPARATUS

Conrad Reichert, San Antonio, Tex., assignor to Petty Laboratories, Inc., San Antonio, Tex., a corporation of Texas

Application February 14, 1938, Serial No. 190,490
16 Claims. (Cl. 103—46)

1. In a deep well pump, a lower cylinder with a lifting plunger therein for raising liquid, a piston rod for transmitting movement to said lifting plunger, a cylindrical power chamber in line with said rod, a piston within said chamber and connected to said rod, an outer tubing leading to the earth's surface and having walls concentric with said power chamber and in valved communication with said lower cylinder for the discharge passage of oil upwardly, and an inner tube within said outer tubing leading from the earth's surface and extending alongside of and exteriorly of said power chamber and in ported

communication with said power chamber at a point beneath said piston, said power cylinder



and said outer tube being in ported communication at a point above said piston.

2,180,367

METHOD OF PRODUCING MIXTURES FOR USE IN THE MANUFACTURING OF RUBBER GOODS AND IN ALLIED BRANCHES OF INDUSTRY

Fritz Rostler and Vilma Mehner, Vienna, Austria, assignors to Naftolen-Gesellschaft zur Verwertung der Rostler-Mehner'schen Verfahren m. b. H., Vienna, Germany, a corporation of Austria, now Germany

No Drawing. Application September 29, 1937, Serial No. 166,392. In Austria October 4, 1935
11 Claims. (Cl. 106—23)

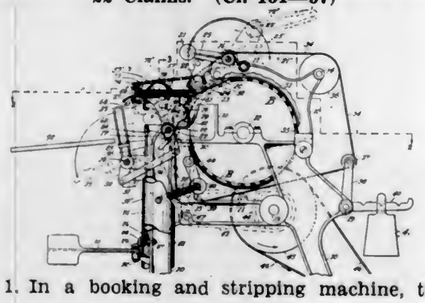
1. A rubber mixture adapted for use in the manufacture of rubber goods, said mixture comprising as essential ingredients rubber and unsaturated hydrocarbon compounds having the general formula $(C_3H_4)_n$, said hydrocarbon compounds being viscous materials of high molecular weight, being compatible with rubber in all proportions, being soluble in sulfuric acid, being highly reactive with sulfur, being present in the mixture in an amount from 5 per cent to 100 per cent of the amount of rubber, and being capable of co-vulcanization with sulfur and rubber to produce high quality rubber goods.

2,180,368

LEAF OPENER FOR TOBACCO STRIPPING AND BOOKING MACHINES

Rupert E. Rundell, Rockville Centre, and Gustaf E. Hagquist, Brooklyn, N. Y., assignors to International Cigar Machinery Company, a corporation of New Jersey

Application February 27, 1935, Serial No. 8,560
22 Claims. (Cl. 131—57)



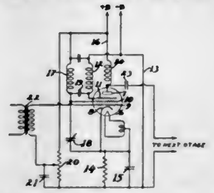
1. In a booking and stripping machine, the combination with a rotary booking drum, of a stripper for separating the stems of tobacco leaves from the blade portions thereof, mechanism for feeding tobacco leaves to said stripper and drum, said mechanism including means for gripping and feeding the stems of the leaves along a predetermined path of travel until the leaves are in partially booked position, pneumatic means cooperating with said stripper for directing air onto and spreading the surface of the leaves being fed to said stripper, and means connecting said mechanism and booking drum for movement in timed relation.

2,180,369

FREQUENCY MODULATION

La Verne R. Philpott, Washington, D. C.

Application November 12, 1937, Serial No. 174,212
13 Claims. (Cl. 179—171.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A vacuum tube having a cathode, an anode, a control grid, a screen grid and a suppressor grid, means to develop a potential drop by current through said tube to maintain said suppressor grid at less than cathode potential, an oscillatory circuit connected to said screen grid and to said cathode, means coupling said suppressor grid to said screen grid to cause said suppressor grid to swing in phase with said screen grid, an input circuit connected to impress varying voltages upon said control grid to effect frequency modulation of the output of said tube and an output circuit connected to said anode and said cathode.

2,180,370

CIGARETTE, CIGAR, AND THE LIKE

Frederick Schallgruber, Bogota, Colombia

Application May 16, 1938, Serial No. 208,273
2 Claims. (Cl. 131—52)



1. A device of the character described, comprising, in combination, a cigarette or the like, a closure for one end of said cigarette having a body hingedly supported by said cigarette and provided with slow and fast burning combustibles, said fast burning combustible adapted to be ignited in isolated position from the end of said cigarette for effecting ignition of said slow burning combustible whereby said slow burning combustible ignites said cigarette upon engagement of said closure with said cigarette.

2,180,371

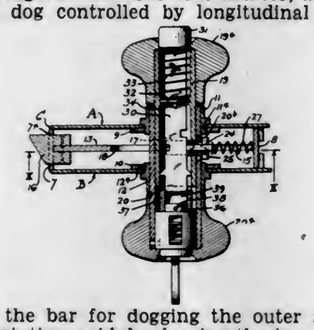
DOOR LOCK

Walter R. Schlage, San Francisco, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California

Application June 18, 1937, Serial No. 148,934
21 Claims. (Cl. 70—146)

1. In a door lock having an inner and an outer

independently operated spindle, a bar within the spindles, means for rotating the bar and for imparting longitudinal movement thereto, a spring actuated dog controlled by longitudinal move-



ment of the bar for dogging the outer spindle against rotation, said dog leaving the inner spindle free to rotate, and means controlled by rotation of the bar for undogging the dog.

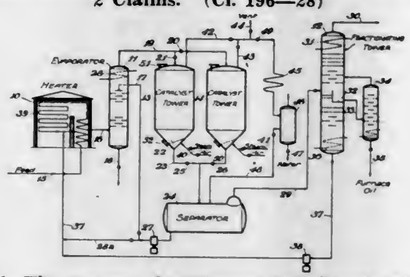
2,180,372

PROCESS OF MAKING GASOLINE

Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 11, 1936, Serial No. 115,293

2 Claims. (Cl. 196—28)



1. The process of producing high knock rating gasoline from heavy hydrocarbon oil, comprising heating the hydrocarbon oil charging stock to cracking temperature and converting about 25% to 40% thereof to gasoline, separating unvaporized heavy residue from the vapors of gasoline and unconverted heavy oil, cooling said vapors of gasoline and unconverted heavy oil and contacting them with a catalytic mass of argillaceous earth at a temperature between 700 and 800° F., thereafter conducting the vapors to a fractionating zone, therein separating gasoline from unconverted heavy oil and recycling said unconverted heavy oil, consisting of about 60% to 75% of the charging stock, to said cracking step.

2,180,373

HEAT INSULATING PANEL

Leon T. Sibley, Rutherford, N. J., and Roy J. Scott, Forest Hills, Long Island, N. Y., assignors to Alfol Insulation Company, Inc., a corporation of Delaware

Application October 29, 1937, Serial No. 171,681

2 Claims. (Cl. 189—34)



1. A heat insulating metal panel comprising an outer sheet metal cover, a substantially rigid reticulated metal basket having one normally open side and being attached to said metal cover at peripheral points along the edges of said normally open side by means of metal connectors which space said reticulated metal basket from said sheet metal cover to provide a heat insulating dead air space therebetween which substantially prevents flow of heat between said cover and basket, a metallic foil, basket shaped, member located within said basket and forming an air impervious heat reflective lining for said reticulated basket and providing an effective heat insulating dead air space within said basket such that flow of air into and out of said basket is substantially prevented, and heat insulating material loosely arranged within said metal foil, basket-shaped member so as to divide said dead air space into a plurality of smaller dead air spaces which substantially prevent transfer of heat through said basket.

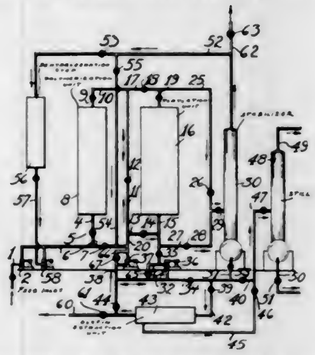
2,180,374

PRODUCTION OF LIQUID SATURATED HYDROCARBONS

Eldon E. Stahly and Erwin M. Hattox, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

Application November 19, 1938, Serial No. 241,350

14 Claims. (Cl. 196—10)



1. A process for the production of a composition composed predominantly of saturated liquid hydrocarbons boiling in the gasoline range which comprises reacting a mixture containing at least one low boiling isoparaffin with at least one member of the group consisting of normally gaseous mono-olefins, dimers, trimers, tetramers and higher polymers thereof, co-, inter-, and cross-dimers, trimers, tetramers, and higher analogous polymers thereof, in the presence of a catalyst taken from the group consisting of a catalyst of the type QX.ZX wherein Q stands for a metal other than aluminum, Z stands for aluminum, the molar ratio of ZX to QX being greater than 1 to 1, and X is a halogen.

2,180,375

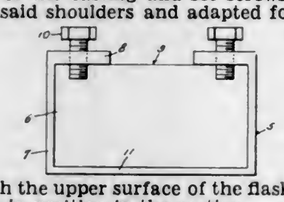
CLAMP FOR DENTAL FLASKS

Frank S. Trusler, Vernon, Tex.

Application September 26, 1938, Serial No. 231,829

2 Claims. (Cl. 18—33)

1. A clamp for dental flasks comprising a casting including an end wall having a flange extending around three sides thereof and adapted to accommodate the end of a dental flask, a pair of shoulders formed on the remaining edge of the wall of the casting and set screws threaded through said shoulders and adapted for engage-



ment with the upper surface of the flask to clamp the same in position in the casting.

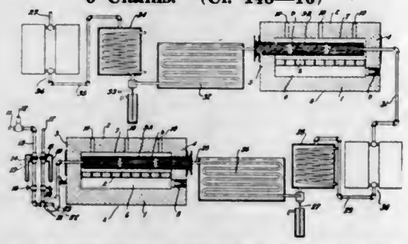
2,180,376

CONTROLLED ATMOSPHERE HEAT TREATMENT

Arthur H. Vaughan, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio

Application July 6, 1937, Serial No. 151,995

6 Claims. (Cl. 148—16)



1. In a method of heat treating, the steps of reacting a hydrocarbon-containing gas with air in predetermined proportions to provide reaction products containing carbon dioxide, water vapor and undissociated hydrocarbons in excess of the amount of carbon dioxide, removing at least a part of the water, reheating the remaining reaction products to about 1800° F. to 2000° F. to react the carbon dioxide and undissociated hydrocarbons and provide a non-decarburizing gas, and utilizing said non-carburizing gas as an enveloping and protecting atmosphere in a heat treating furnace.

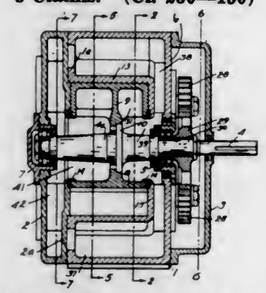
2,180,377

BLOWER

Joseph E. Whitfield, Grove City, Pa.

Application April 24, 1936, Serial No. 76,207

5 Claims. (Cl. 230—150)



1. In a blower, the combination of a case; a rotor mounted in the case, said rotor being spaced from the case forming an enclosed space; a fluid driving abutment on the rotor closing and sweeping said case; a rotating gate across the space, said gate by its rotation passing the abutment past the gate; an exhaust port in the abutment continuously open for discharge; an inlet port in the gate; and means driving the gate and rotor in timed relation.

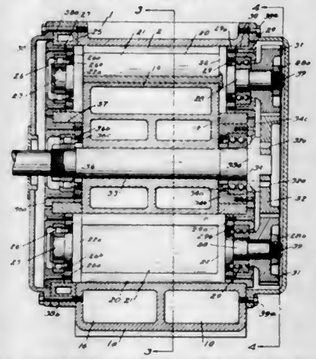
2,180,378

PUMP

Joseph E. Whitfield, Grove City, Pa.

Application January 29, 1938, Serial No. 187,691

7 Claims. (Cl. 103—125)



1. In an apparatus of the character described, the combination of a case having a base; a rotor chamber with an outer cylindrical chamber wall; a rotor mounted in the chamber, the rotor being spaced from the walls of the chamber forming an enclosed space; three driving abutments on the rotor closing and sweeping the walls of the chamber; two rotating gates across the space, one at the top and one at the bottom, said gates by their rotation passing the abutments past the gates, the peripheral chamber walls being provided with a pair of ports for each gate, said ports accommodating the major portion of the fluid passing through the apparatus; an inlet and a discharge passage leading to and from the upper ports from the base along the outer peripheral of the cylindrical wall; the passages extending axially over the major portion of said wall and a cross inlet and discharge passage connecting the inlet and discharge ports at the bottom with the inlet and discharge passages respectively.

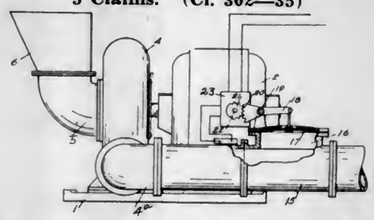
2,180,379

MATERIAL MOVING APPARATUS

Joseph E. Whitfield, Grove City, Pa.

Application June 30, 1937, Serial No. 151,157

5 Claims. (Cl. 302—35)



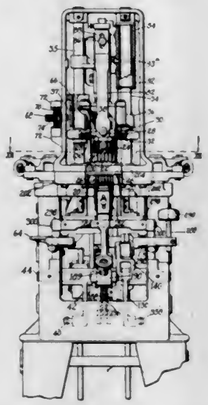
1. In a device of the character described, the combination of a case having separate inlets, one for air and one for material, and a discharge outlet; an air propeller receiving air from one inlet and discharging to the outlet, and entraining material from the other inlet, a motor driving the air propeller, means responsive to dis-

charge pressure conditions controlling motor increasing the drive force of the motor with an increasing pressure at the discharge; and means conveying the material by means of the propelled air to the desired point of discharge.

2,180,380
PERMANENT WAVING OF HAIR
Arnold F. Willat, San Rafael, Calif.
No Drawing. Application March 8, 1937, Serial No. 129,649
11 Claims. (Cl. 132—36)

1. The method of waving hair upon the human head which comprises dividing the hair into compact strands, wetting the hair with an alkaline sulfide solution of low total alkalinity, winding the hair strands and securing the hair in wound form to fix in the cold a permanent wave in the hair while the wound hair is wet.

2,180,381
SHOE MACHINE
Herbert J. Willmott, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 5, 1938, Serial No. 206,207
41 Claims. (Cl. 12—7)

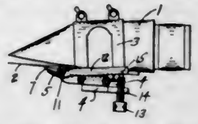


1. In a shoe machine, work-supporting means, and upper-shaping members shaped to embrace an end portion of the upper and constructed and arranged to engage the lasting margin of the upper locally at adjacent points at the toe end of the upper and to move inwardly over the toe end of the bottom of a last in the upper while simultaneously moving bodily away from each other.

2,180,382
PROCESS OF PREPARING CALCIUM CYANAMIDE
Ernst Winter, Cologne-Braunsfeld, and Herbert Polack, Knapsack, near Cologne-on-the-Rhine, Germany, assignors to Aktiengesellschaft für Stickstoffdünger, Knapsack, near Cologne-on-the-Rhine, Germany
No Drawing. Application October 1, 1937, Serial No. 166,714. In Germany October 2, 1936
1 Claim. (Cl. 23—78)

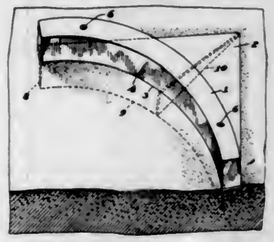
A process of preparing calcium cyanamide which comprises causing nitrogen in fixed amount to act upon finely divided calcium carbide, constantly keeping the calcium carbide in motion by rotating the same in a tubular reaction space while moving the same from end to end thereof, starting the absorption of the nitrogen at a low reaction temperature, controlling the temperature by injection of such an amount of cold calcium cyanamide at a point intermediate the ends of said reaction space where the temperature tends to rise suddenly owing to the heat produced by the exothermic reaction so that the calcium carbide is heated gradually to the final temperature sufficient to completely convert the carbide to calcium cyanamide without agglomeration thereof.

2,180,383
SINGLE REED INSTRUMENT TUNING DEVICE
Franz W. Anderberg, Youngstown, Ohio
Application July 12, 1938, Serial No. 218,773
4 Claims. (Cl. 84—383)



1. The combination of a single reed instrument mouth piece having a curved lay thereon and a vibratory reed positioned thereon by means of a ligature; a spring attached to the said ligature; a lifter pivotally positioned on the said ligature, the said lifter being in positive engagement with both the reed and the spring, the spring adapted to exert pressure on the lifter which in turn exerts pressure on the reed, a lever attached to the said lifter and adapted to raise the portion of the said lifter in contact with the said reed and a thumb screw positioned in the said ligature and adapted to control the position of the said lever so as to vary the clearance between the said reed and the said curved lay of the mouth piece and thus vary the vibratory length of the reed.

2,180,384
TOEBOARD
Frank E. Austin, Hanover, N. H.
Application March 2, 1939, Serial No. 259,410
5 Claims. (Cl. 272—59)



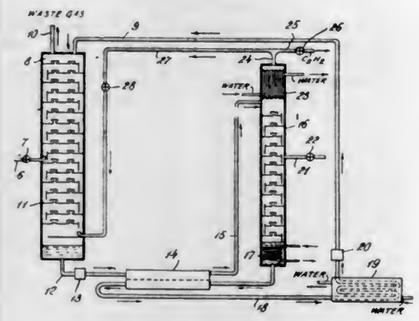
1. The combination with a toeboard presenting an arcuate face, of a foundation plate adapted to be laid horizontally upon the ground and upon which the toeboard is laid and to which it is secured, said foundation plate presenting an arcuate edge similar to the arcuate face of said toeboard, an arcuate apron depending from the arcuate face of said plate to penetrate the ground on which the foundation plate is laid, and means for securing the toeboard to said foundation plate whereby the arcuate face of the toeboard will lie substantially flush with the inner face of said arcuate apron.

2,180,385
SHOE AND METHOD OF MAKING THE SAME
Corwin W. Baker, Stoneham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 16, 1938, Serial No. 190,831
8 Claims. (Cl. 12—142)



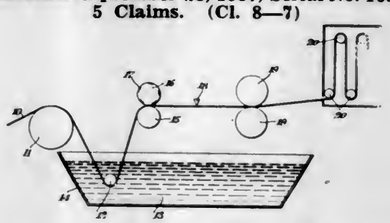
1. The method of making a shoe which comprises bending a sole widthwise in the locality just ahead of the heel breast line in such manner that the attaching face is concave, fastening a flexible member to the sole to maintain it bent, placing the sole upon the bottom of a lasted shoe, pressing the sole including the bent portion against said bottom, and fastening the sole in place.

2,180,386
SEPARATION OF ACETYLENE FROM GASEOUS MIXTURES
Frederick R. Balcar, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 30, 1937, Serial No. 156,464
8 Claims. (Cl. 260—679)



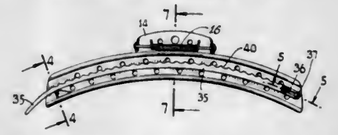
1. The method of recovering acetylene from gaseous mixtures which comprises bringing the gaseous mixture into contact with a solvent for acetylene until acetylene has been dissolved therein substantially to the limit of its solubility, rectifying the resultant acetylene-containing liquid with substantially pure gaseous acetylene to free it of impurities more volatile than acetylene, rectifying in a separate rectification zone the purified acetylene-containing liquid, boiling the liquid descending through said separate rectification zone to liberate contained acetylene together with impurities, passing the vapors from said boiling into said separate rectification zone for use during said rectification therein, separating impurities less volatile than acetylene liberated by said boiling at an intermediate level of said separate rectification zone, and returning a part of the acetylene effluent leaving said separate rectification zone for use as the acetylene for removing impurities from the liquid formed by bringing the initial gaseous mixture into contact with the solvent for acetylene.

2,180,387
ORNAMENTALLY COLORING PAPER
Ethan F. Bassford, Nutley, N. J., assignor to George La Monte & Son, Nutley, N. J., a corporation of New Jersey
Application September 23, 1937, Serial No. 165,237
5 Claims. (Cl. 8—7)



1. A method of making ornamentally colored paper which comprises making paper having portions of a surface thereof of substantially differing absorptiveness for a liquid colored material, portions of lesser absorptiveness being of predetermined form, and producing a shaded effect in local areas adjoining said portions of lesser absorptiveness by successive applications of the coloring material, one application of the coloring material being an all-over application thereof to said surface of the paper, and another application of the colored material being made by spreading free coloring material from portions overlying said portions of lesser absorptiveness onto said adjoining local areas of said surface having greater absorptiveness.

2,180,388
HAIR WAVING DEVICE
Stephen B. Beliaeff, Malverne, N. Y.
Application December 7, 1937, Serial No. 178,465
4 Claims. (Cl. 132—38)

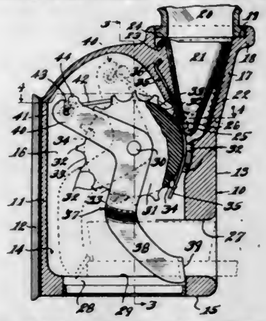


1. In a hair waving clamp of the character described, a pair of spring pressed pivotally interconnected hair clamping jaws, portions of said jaws being spaced apart when said device is in closed position to provide a passageway therebetween, and a tongue member pivotally mounted at one end thereof to one of said jaws and adapted to be received in said passageway, said tongue member being spaced from said jaws when said clamp is in closed position to provide a free hair receiving space surrounding said tongue member whereby that portion of the hair disposed in said hair receiving space and looped over the top of the tongue will not be unduly compressed and will have an unbroken and natural appearing peripheral contour.

2,180,389
TOOTH POWDER DISPENSER
Leo Bethke, Melrose Park, Ill., assignor of one-half to Samuel W. Bradstreet, Maywood, Ill.
Application September 19, 1938. Serial No. 230,568
11 Claims. (Cl. 221—61)

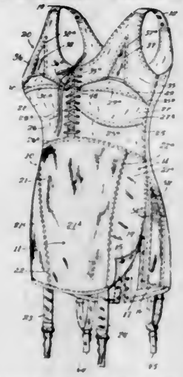
1. In a powder dispensing device, a casing having a hopper for the powder having an outlet, means for receiving and feeding the powder for deposit on a brush or the like, an auxiliary hop-

per movably mounted in the first hopper and having an outlet and means to actuate the auxiliary



hopper to cause agitation and discharge of the powder from the hopper.

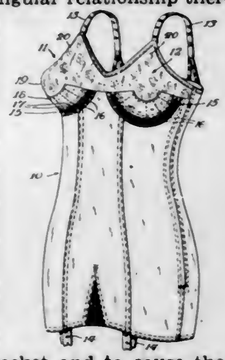
2,180,390
UNDERGARMENT
David Blair, Chicago, Ill.
Application July 16, 1938, Serial No. 219,503
5 Claims. (Cl. 2—31)



1. An undergarment of the class described comprising a brassière construction having longitudinally extensible and adjustably securable breast receiving pockets, each of said pockets formed of two sections, one of said sections arranged to lie adjacent to and completely enclose the breast of the wearer, the other section forming the shoulder portion of said brassière construction and partly overlying said first mentioned section, a corset portion, the front section of which is completely elastic and nonconstricting, a back section provided with flexible stiffening members, and lacing means for rendering the undergarment transversely adjustable.

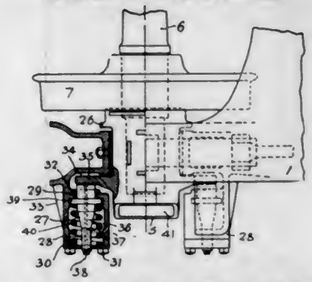
2,180,391
UNDERGARMENT
David Blair, Chicago, Ill.
Application August 8, 1938, Serial No. 223,561
3 Claims. (Cl. 2—30)

1. In an undergarment of the class described, a body portion, breast receiving pockets, each of said pockets being formed of an upper and a lower portion, said portions being secured together throughout a line of jointure therebetween, said lower portion being formed of an arcuate section and another section secured thereto throughout a line of jointure therebetween, said arcuate section secured to said body portion and said other section secured to said upper portion throughout lines of jointure therebetween, said lines of jointure extending across said pocket, said lower portion thereby being adapted to project forwardly relative to said body portion in angular relationship therewith to form



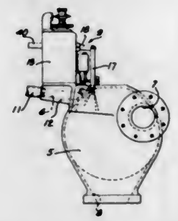
a molded pocket and to cause the breast to be supported in a desired elevated position, said arcuate section being formed of material characterized by relatively high elasticity and a substantially large mesh and adapted to permit the ventilation of the underside of the breast when said undergarment is being worn.

2,180,392
RAILWAY VEHICLE
James G. Blunt, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application April 15, 1937, Serial No. 136,967
3 Claims. (Cl. 105—222)



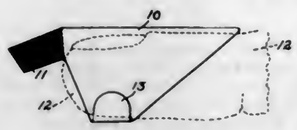
1. In a railway vehicle of the outside bearing type, a side frame member having an opening; a wheeled axle; a box member, housing a portion of said axle and being provided at its front with an opening, disposed in said frame member opening for vertical movement relative to said frame member, and for lateral movement relative to said frame member responsive to wheel flange thrusts; anti-friction bearing means of the SKF type disposed between said axle portion and said box member whereby said axle can tilt in a vertical plane relative to said box member; a separate plate disposed at each side of said box member between said box member and the adjacent face of said frame member opening having means coacting with said frame member permitting said plate to move vertically and preventing said plate from moving laterally relative to said frame member and having means coacting with said box member whereby said box member is prevented from vertical tilting movement, can move laterally relative to said plates, and will move vertically with said plates; and two lateral motion resisting devices, in horizontal alignment with said axle, carried by one of said members and free from attachment to the other of said members, disposed at opposite sides of and beyond said box member front opening laterally outward beyond said frame member leaving said box member free for access through said front opening and for removal from said frame member, each of said devices comprising a plunger having an end operatively disposed opposite said other of said members for coaction therewith responsive to lateral movement of said box member in one direction relative to said frame member, a spring urging said plunger in a direction toward said other of said members, and a casing housing said plunger and said spring whereby by said coaction said last mentioned relative movement will be resisted by said spring.

2,180,393
CONTROL MECHANISM FOR MATERIAL MIXING APPARATUS
Yves A. Bouget, West Orange, and John N. Selvig, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1936, Serial No. 116,626
7 Claims. (Cl. 137—152)



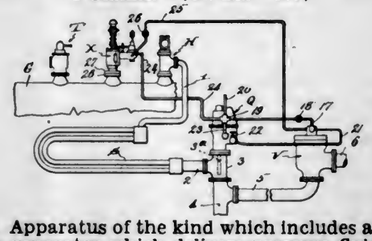
1. Control mechanism for a passage comprising, a gate in said passage for regulating the amount of material normally passing through said passage, an adjustable indicating means for limiting the movement of said gate in one direction, and means responsive to the flow of material through the passage for moving the gate in the opposite direction upon a reduction of flow of material through the passage.

2,180,394
COMB
Abbie G. Bowyer, Los Angeles, Calif., assignor of one-fourth to Samuel E. Fouts, Los Angeles, Calif.
Application October 15, 1938, Serial No. 235,293
7 Claims. (Cl. 132—19)



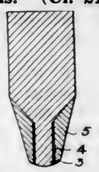
1. A comb which comprises a tubular body having a cut-away portion on its lower side at one of its ends, and a series of teeth projecting from the body at that end and extending over said cut-away portion, the comb being adapted to fit about and upon a finger.

2,180,395
APPARATUS FOR CONTROLLING PRESSURE FLUID
James Briscoe, Bridgeport, Conn., assignor to Manning, Maxwell & Moore Incorporated, New York, N. Y., a corporation of New Jersey
Application June 29, 1937, Serial No. 150,905
4 Claims. (Cl. 122—479)



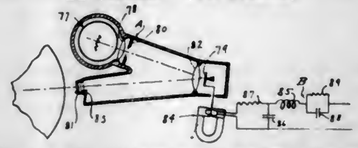
1. Apparatus of the kind which includes a pressure generator which delivers pressure fluid to a superheater and wherein the superheater is provided with a pressure-loaded relief valve having a back pressure chamber and wherein the generator is provided with a pop safety valve including a movable valve feather, said valve having a low blowdown and designed to open at a predetermined pressure in excess of the working pressure in the generator, characterized in having a conduit leading from the back pressure chamber of the relief valve, an exhaust valve normally closing said conduit, and motion-transmitting means including a lever device, so constructed and arranged as to transmit motion from the valve feather of the pop safety valve, when the latter opens, to the exhaust valve thereby to open the latter.

2,180,396
ELECTRICAL CONTACTOR
James P. Burke, Knoxville, Tenn.
Application January 27, 1938, Serial No. 187,143
9 Claims. (Cl. 219—4)



1. An electrical contactor comprising a main body portion composed of a metal of high electrical conductivity, a retaining wall composed of a metal of high tensile strength encompassing a portion of said main body portion, and a portion of high electrical conductivity encompassing said wall of high tensile strength.

2,180,397
FACSIMILE SYSTEM
Richard Wallace Carlisle, Elmsford, N. Y.
Application February 18, 1935, Serial No. 6,993
14 Claims. (Cl. 178—6)

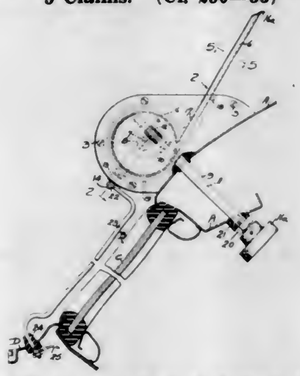


6. In a facsimile recording system, the method of recording a grainless picture comprised of pass-

ing incoming pulses through a critically damped resonant system, and subsequently passing it through another critically damped resonant system.

9. The method of modulating and transmitting shaded pictures which comprises scanning a picture, generating a low frequency electrical wave the amplitude of which is substantially proportional to the shade of the elemental areas of the picture being scanned, limiting the maximum values of both positive and negative half-cycles and eliminating small instantaneous values of current in said low frequency wave, transposing instantaneously the phase of said limited current by a predetermined angle of substantially 90 degrees relative to said low frequency electrical wave at the end of each scanning trace, and varying an alternating current of carrier frequency from a nominal value of half-maximum to either maximum value or zero in accordance with the polarity of said limited low-frequency wave.

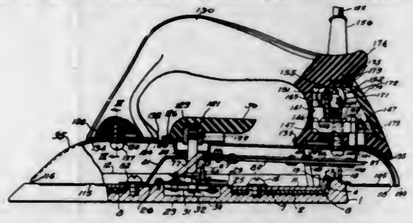
2,180,398
AERIAL
Harry J. Chapman, Detroit, Mich.
Application April 26, 1938, Serial No. 204,386
5 Claims. (Cl. 250—33)



1. An aerial comprising a housing adapted to be mounted upon the top of a car roof, a spool mounted for rotation in the housing, a sleeve extending from the housing and adapted to pass through the car roof, means for holding said sleeve and housing immovable relative to the roof, a resilient aerial member having an inherent tendency to straighten wound around said spool and having its outer extremity projecting through a slot formed through the housing, means extending through the sleeve for rotating the spool and varying the distance which the outer extremity of said member projects, a terminal carried by the housing, an electrical contact extending from the terminal to the aerial member, and insulation so positioned with reference to the assembly as to form an insulated electric conductor between said aerial and said terminal.

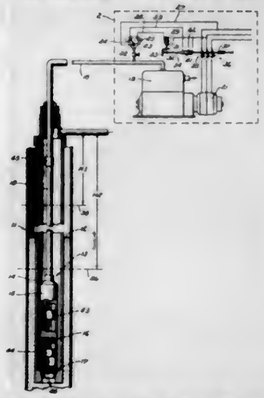
2,180,399
SADIRON
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1936, Serial No. 81,052
6 Claims. (Cl. 219—25)

1. In a sadiron, a heavy base plate, a housing covering said plate and a handle mounted on said housing, said handle having a recess in the rear end, a flexible connector extending into said re-



cess through a side wall thereof in a direction oblique to the base, making an angle with the longitudinal direction of the handle less than an obtuse angle.

2,180,400
METHOD AND APPARATUS FOR CONTROLLING FLUID OPERATED PUMPS
Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada
Application May 13, 1936, Serial No. 79,475
18 Claims. (Cl. 103—46)

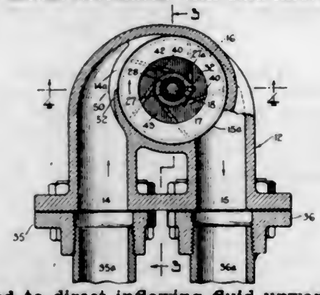


1. A method of operating a well pump so as to obtain substantially the maximum capacity of the well, comprising: operating the pump so that its capacity is greater than the capacity of the well whereby the level of liquid in the well will drop; reducing the capacity of the pump when the power required to operate the same reaches a predetermined high value; continuing the operation of the pump at such reduced capacity so that the level of liquid in the well will again rise so as to reduce the power required to operate the pump; and then increasing the capacity of said pump when the power required to operate the same reaches a predetermined low value.

2,180,401
WATER CIRCULATOR
Edward S. Cornell, Jr., Larchmont, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application August 4, 1937, Serial No. 157,272
3 Claims. (Cl. 103—103)

1. A centrifugal pump, including a pump casing having inlet and outlet passages tangentially located with respect thereto, an impeller race eccentrically located within said casing in the

zone of the outlet passage thereof, a multi-bladed impeller arranged to be rotated within said race, an annular plate supported by the blades of said impeller, said plate having a central opening communicating with said impeller race, a chamber disposed above said impeller race and divided therefrom by means including said annulus, and passage means associated with said inlet passage



arranged to direct inflowing fluid upwardly and to discharge said fluid into said chamber at an increased velocity and in a direction substantially tangential to the direction of rotation of said impeller, said passage means including a wall common to said chamber and to said impeller race and having a discharge orifice of smaller area than the sectional area of said inlet passage, communicating with the said chamber.

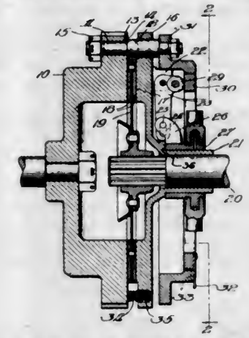
2,180,402
HOLLOW ARTICLE
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application November 19, 1937, Serial No. 175,462
5 Claims. (Cl. 223—75)



1. A hollow article comprising two concave sections and a plate interposed therebetween, said plate having a row of bosses parallel to the edges thereof and spaced therefrom, and the peripheral edges of the sections resting upon the faces of the plate between the bosses and the edges of the plate.

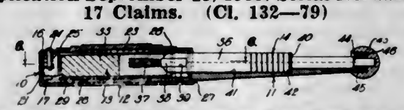
2,180,403
CLUTCH
Henry J. Dunkelow, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application September 18, 1937, Serial No. 164,431
2 Claims. (Cl. 192—68)

1. In a clutch, the combination of a clamping plate having a tubular extension coaxial with the axis of the clutch, pin means adapted for mounting in a rotary part constituting one of the members of the clutch and having driving and supporting connection with the plate, an abutment member carried by the pin means, an operating lever pivoted on the plate and adapted to fulcrum on the member for shifting the plate to



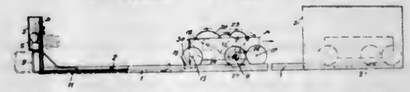
driving position, and means shiftable on the extension and engageable with the lever to actuate the same.

2,180,404
DEVICE FOR CONTAINING AND APPLYING COSMETICS
Mona V. Eastley, Los Angeles, Calif., assignor to Charles A. Mureau, Los Angeles, Calif.
Application September 13, 1938, Serial No. 229,681
17 Claims. (Cl. 132—79)



4. A device of the character described comprising a cup-like body having a lateral opening, a cosmetic holder in the body having a lateral opening aligned with the first named opening, a lateral handle projecting from the body, a brush for applying the cosmetic comprising a handle and bristle means on the handle, and releasable means retaining the brush in the position where its handle lies against the first named handle and its bristle means is received in said openings.

2,180,405
TOY RAILWAY
Georg Einfalt, Nuremberg, Germany
Application April 26, 1937, Serial No. 139,028
In Germany February 26, 1937
1 Claim. (Cl. 46—216)

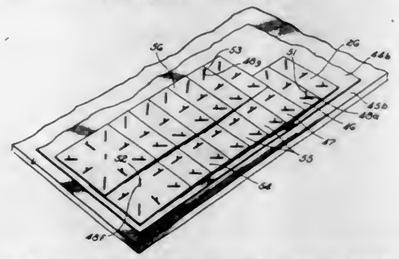


In a toy railway, in combination with a track and a vehicle movable thereon, a reversible gear-train in said vehicle, a member extending from the reversing mechanism of said gear-train down between the rails, and an optical signalling device at an end of the track, two projections extending upwardly between the rails and being spaced in the direction thereof and located near said signalling device, the projection located nearest thereto being stationary and so arranged relatively to said downwardly extending member of the reversing mechanism as to be adapted to engage it so as to operate thereby this mechanism, and the other projection being shiftable in the direction of the track and adapted to be engaged by the vehicle, and means for transmitting the movement of this projection to the said signalling device.

2,180,406
METHOD AND APPARATUS FOR ASSEMBLING MAPS

Leon T. Eliel, Pasadena, and Edward R. Polley and Maxwell A. Phillips, Los Angeles, Calif., assignors to Fairchild, Polley & Eliel, Inc., Los Angeles, Calif., a corporation of California

Application February 9, 1937, Serial No. 124,882
9 Claims. (Cl. 33—1)



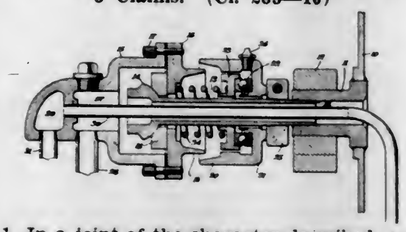
1. A templet representative of a map area having radial slots therein defining the central angles of said map area, and conjoining means adapted to be passed through said slots to adjustably connect said templet to adjoining templets of similar character, said conjoining means having centralized guides, and marking means guided by said guides and being adapted to be moved into marking engagement with a surface on which a record of the positions of said conjoining means is to be made.

2. A method of establishing control in the making of maps from aerial photographs taken of a terrain, by use of templets having center points and radial lines defining outlying points, comprising: establishing a plurality of control points; determining the azimuth of another point on said terrain; preparing a surface member on which to assemble templets, by locating said control points thereon and also locating thereon the azimuth of said other points; forming a set of templets representing the map areas of said terrain; and assembling said set of templets on said surface member so that the indications of said control points thereon will coincide with said control points located on said surface member and so that the representation of said other point on said templets will lie on said azimuth located on said surface member.

2,180,407
STEAM JOINT

Ernald Liddon Few, Wimbledon, England

Application December 7, 1938, Serial No. 244,315
3 Claims. (Cl. 285—10)

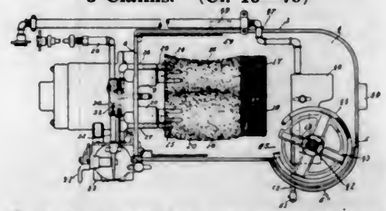


1. In a joint of the character described, a casing comprising a cup-shaped body and an apertured cover detachably connected thereto, a ring slidably engaging the inner surface of said cover in alinement with the aperture therein, a pipe passing through said ring and aperture, said pipe and ring having contacting bearing surfaces of which one is concave and the other convex and each constitutes a segment of a sphere, said body portion having a recess communicating with the interior of said pipe and having a chamber, a conduit leading from said chamber through said pipe, and resilient means exterior of said casing for maintaining said bearing surfaces in fluid-tight relation.

2,180,408
GLASS WASHING MACHINE

George T. Fielding, Stamford, Conn.

Application January 16, 1936, Serial No. 59,340
3 Claims. (Cl. 15—75)



1. In a glass washing machine, the combination with a receptacle base, having side walls extending upwardly therefrom to form a sink and a rear wall extending upwardly to form a supporting plate, of a plurality of brushes rotating in contiguous relation to one another supported from said plate and extending forwardly with their forward ends free, said base having a laterally offset well at its front end thereof and a rinsing structure mounted within said well.

2,180,409
PHOTOGRAPHIC MATERIAL

Walter Frankenburger, Ludwigshafen, and Hermann Schulz, Heidelberg, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application November 11, 1937, Serial No. 174,058. In Germany November 19, 1936

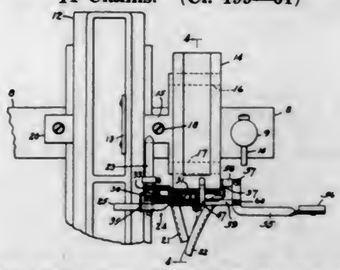
1 Claim. (Cl. 95—8)

A photographic material comprising a silver halide emulsion layer containing a dye selected from the group consisting of a phthalocyanine, a sulfonated phthalocyanine and a metal phthalocyanine.

2,180,410
ATTACHMENT FOR LINE CASTING MACHINES

Leonard C. Geissel, South Pasadena, Calif.

Application February 2, 1939, Serial No. 254,172
11 Claims. (Cl. 199—61)

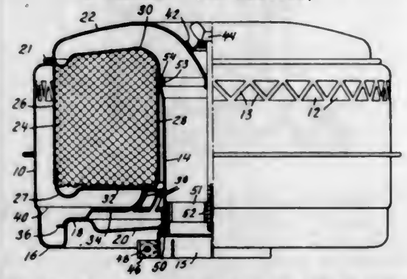


1. An attachment for a line casting machine having a composing stick, comprising a magazine for a supply of pre-formed line-length elements, a chute at the side of the magazine for feeding the elements into the composing stick, means to move the bottom element from the magazine to the chute, means to maintain the element at the chute, and key-controlled mechanism operable independently of the line casting means of the machine, to manually release the latter means, to drop the element down the chute into the composing stick.

2,180,411
AIR CLEANER

Erwin William Graham, Madison, Wis., assignor to Burgess Battery Company, Madison, Wis., a corporation of Wisconsin

Application July 14, 1936, Serial No. 90,452
3 Claims. (Cl. 183—15)

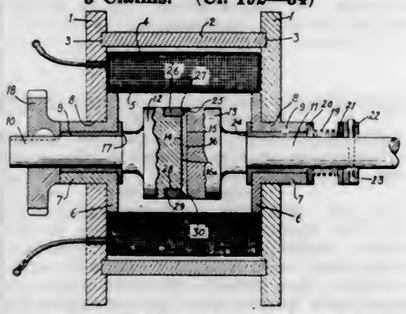


1. In an air cleaner, a casing having air inlet and discharge openings therein and having a liquid sump in the bottom thereof, an interstitial mass of filtering material arranged above said liquid sump, said casing having an air passage therethrough leading from said inlet opening downwardly toward and adjacent said sump and upwardly from said sump and through said filter to said outlet opening, a baffle member spaced from the bottom wall of said sump, and a partition connecting intermediate portions of said baffle and the bottom wall of said sump, said partition extending transversely of the path of air travel, said baffle member being constructed and arranged to provide a passageway to the liquid below said baffle on each side of the partition.

2,180,412
CLUTCH

Earl R. Hart, Cleveland Heights, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio

Application February 5, 1937, Serial No. 124,285
3 Claims. (Cl. 192—84)

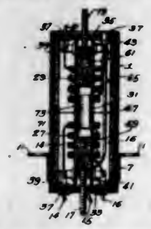


2. In a magnetic clutch, a pair of rotatably supported ferrous clutch elements, having confronting surfaces providing a magnetic air-gap therebetween, an electro-magnetic winding disposed to cause, when energized, magnetic flux to flow through the air-gap to exert mutual magnetic attraction of the clutch elements, an element of non-ferrous material secured to one clutch element and having an annular substantially frusto-conical friction surface thereon, a corresponding annular substantially frusto-conical friction surface on the other clutch element, one of said frusto-conical surfaces being concave and the other being convex the magnetic attraction causing the said surfaces to frictionally engage to effect a driving connection between the clutch elements, and the non-ferrous element maintaining the said air-gap to reduce residual magnetism when the winding is de-energized.

2,180,413
MAGNETICALLY TUNED HIGH FREQUENCY CIRCUITS

Robert L. Harvey, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application December 31, 1935, Serial No. 56,993. Divided and this application November 30, 1936, Serial No. 113,468
17 Claims. (Cl. 171—119)

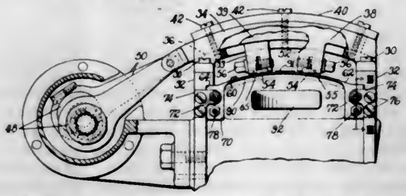


1. In a radio frequency transformer comprising an elongated shield housing, and magnetic means therefor, a pair of coupled inductors in said housing having adjusting members extending beyond the opposite ends respectively of said housing for individual inductance adjustment of said inductors, said adjusting members having substantially no effect on the coupling between said inductors.

2,180,414
STITCH-CUTTING MACHINE

George Hazelton, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

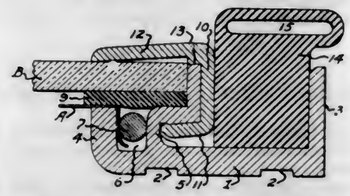
Application January 17, 1939, Serial No. 251,379
In Great Britain February 2, 1938
8 Claims. (Cl. 12—1)



1. A stitch-cutting machine having, in combination, a plate constructed and arranged to be interposed between the heel end of an attached sole of a shoe and the bottom of the shoe, cutting means, mechanism for causing said cutting means

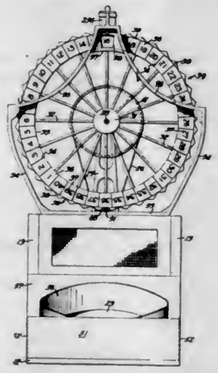
to vibrate back and forth, and means for causing the plate normally to mask said cutting means, said plate being movable in response to pressure exerted against the same by uncut stitches securing the heel end of the sole to the shoe upper thereby rendering said cutting means operative to sever said stitches.

2,180,415
COMBINATION STORM SASH AND SCREEN FRAME CONSTRUCTION
Arthur L. Herrmann, Detroit, Mich.
Application June 11, 1938, Serial No. 213,117
2 Claims. (Cl. 189—64)



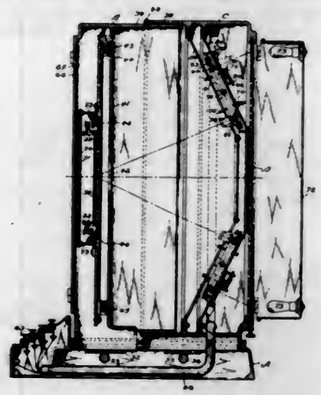
1. In a combination storm sash and screen frame construction, a principal frame composed of a plurality of rails, each of said rails having a base, an outer wall and an inner wall, a central wall spaced from said inner wall, means for holding the end of screen wire within the space intermediate said inner wall and central wall, a layer of rubber positioned upon the screen wire and said central wall so as to cushion a sheet of glass positioned immediately thereupon.

2,180,416
GAME APPARATUS
Charles A. Hill, Oakland, Calif.
Application January 10, 1939, Serial No. 250,190
11 Claims. (Cl. 273—142)



1. A game apparatus comprising a support, an element pivotally mounted intermediate its ends on said support, a game wheel rotatably mounted at one end of said element, a turntable rotatably mounted at the other end of said element onto which an animal may run to rotate said turntable and by its weight to move said element about its pivot in one direction, means connecting said game wheel and turntable for rotation together, and means operative upon movement of said element about its pivot in the other direction after passage of said animal from said turntable for stopping said rotation.

2,180,417
MEANS FOR PHOTOGRAPHICALLY COMPOSING TYPE CHARACTERS
William C. Huebner, New York, N. Y.
Application January 22, 1937, Serial No. 121,780
10 Claims. (Cl. 95—4.5)



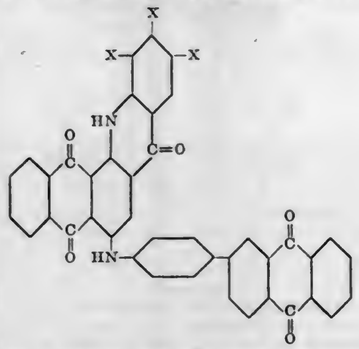
1. An apparatus for photographically composing printing characters, comprising: means having thereon a font of printing characters, said characters being circularly arranged around a common center and disposed in a flat field; means to support a medium having a light sensitive coating thereon; a plurality of projectors correlated in number to the number of characters, means supporting said projectors in operatively and relatively fixed position relative to the respective characters and to a master-position located in a line which is normal to said flat field and extends through said common center, each of said projectors including a plurality of elements arranged to direct an image of a correlated character successively from one to the next and finally to said master-position, all of those elements of all of said projectors from which the images are respectively ultimately directed to said master position being disposed around and equi-distant from said normal line and also all uniformly angularly disposed relative to and equi-distant from said master-position; means for individually and selectively exposing said characters to project images onto a portion of said medium correlated to said master position; and means to effect shift of said medium relative to said master-position to present different portions of said medium to the same correlated position to be successively photographically impressed by the selected character images.

2,180,418
RESINIFICATION OF OXIDIZED TERPENE HYDROCARBONS
Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, Sewickley, Pa., trustee
No Drawing. Application October 1, 1935, Serial No. 43,082
1 Claim. (Cl. 260—2)

In the treatment of a mixture of different terpene hydrocarbons, the steps consisting of heating said mixture and treating it with a gas containing free oxygen under conditions producing a liquid formed mainly of a plurality of oxygen derivatives of terpene hydrocarbons, and resinifying said product.

2,180,419
VAT DYESTUFFS OF THE ANTHRAQUINONE-ACRIDONE SERIES
Erwin Kramer, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 4, 1939, Serial No. 249,253. In Germany January 7, 1938
4 Claims. (Cl. 260—277)

1. The compounds of the following formula



wherein X stands for a member of the group consisting of hydrogen and halogen.

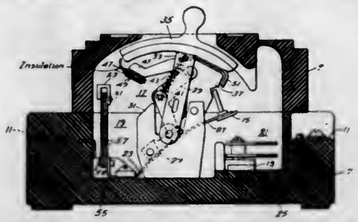
2,180,420
INSULATED SPOOL FOR ELECTRO-MAGNETS
Leonard O. Larsen, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1936, Serial No. 108,684
6 Claims. (Cl. 175—21)



5. In an electromagnetic device, a spool having a head and a core, and an insulating washer adjacent to the inner face of the head, comprising a peripheral portion lying in a plane and engaging the inner face of said spool head, a central portion engaging the core, and an intermediate portion extending from the periphery of the washer to the core-engaging portion dished away from the plane of the periphery into a normally concave shape which is distorted when the washer is positioned against the head for urging the peripheral and central portions of the washer respectively into close contact with the head and core.

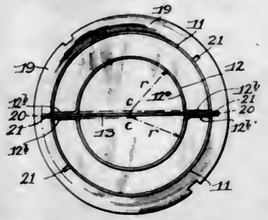
2,180,421
CONTROL DEVICE
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 20, 1936, Serial No. 111,816
11 Claims. (Cl. 200—113)

1. In a circuit controlling device, contact means, a current responsive composite control member connected in a circuit and operable in response to predetermined current conditions in said circuit to control said contacts, said member consisting of a plurality of bimetal elements disposed in face-to-face engagement and secured to a common support so that they all flex in the same direction when heated by the current, and means connecting the free ends of said elements for simultaneous deflecting movement together,



said connecting means permitting relative sliding movement between said elements so that the faces of the unsecured portions of the elements slide one over the other when the elements are flexed.

2,180,422
METAL MOLD
Harvey B. Lindsay, Evanston, Ill.
Application August 19, 1937, Serial No. 159,852
9 Claims. (Cl. 25—121)

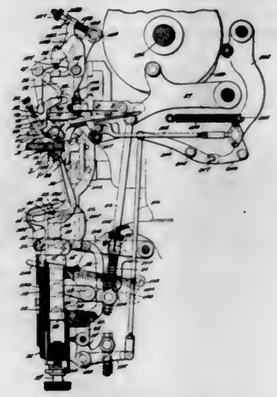


1. A mold for hollow tubular bodies comprising a pair of outer shell members, a pair of inner shell members, each of said inner shell members having integral flanged extremities abutting the ends of their respective outer shell members to form two similar mold cavities, and means for detachably securing said inner and outer shell members in assembled relation, including a plurality of one-piece rings fitting over the exterior surface of said outer shell members and maintaining the adjacent ends thereof in mutually registering position.

2,180,423
SEWING MACHINE
Rowland Augustus Lineham and Frank Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 19, 1937, Serial No. 131,847
In Great Britain April 28, 1936
30 Claims. (Cl. 112—62)

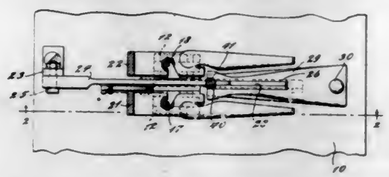
2. A machine for sewing together a shoe sole and the overlapping margin of an upper while unsupported on a last having, in combination, stitch forming and work feeding devices including a curved needle arranged to pass through the upper and enter and emerge from one surface of the sole, an external work support arranged to press the upper against the other sole surface opposite the sewing point, and means for actuating the work support to move its work engaging surface away from said last mentioned sole surface in a path substantially perpendicular to said surface and then transversely of the direction of feed away from the center line of the shoe in

a path substantially parallel to said surface during each stitch forming and work feeding cycle



to relieve the pressure of the work support on the upper during the feed of the work.

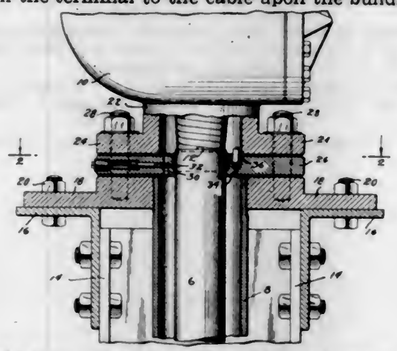
2,180,424
CUTTING AND HEMMING AND STITCHING APPARATUS
Andrew A. Mackenzie, Passaic, N. J.
Application May 14, 1938, Serial No. 207,890
6 Claims. (Cl. 112—122)



1. In an apparatus of the type described, a support, a pair of feed dogs, a guide member for a strip of fabric material positioned on said support, in advance of said feed dogs, a vertically reciprocable cutter operable by the movement of said feed dogs, a pair of reciprocably mounted needles, one on each side of said cutter, and a pair of presser feet having means for engaging and guiding the severed edges of the material to form said edges progressively into a tight, closed, and flat condition, in which condition said edges are adapted to be penetrated by the reciprocating needles carrying threads, whereby said edges of the fabric material are hemmed and stitched.

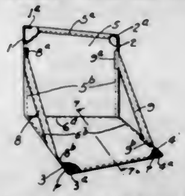
2,180,425
ELECTRIC CABLE SYSTEM
Fred C. Meyer, Wyckoff, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application December 8, 1937, Serial No. 178,686
1 Claim. (Cl. 174—11)

In combination a cable, fluid insulation therefor, a terminal for the cable filled with fluid insulation, and a check valve intermediate the cable and the terminal, said valve closing toward the terminal for preventing at all times the passage of insulating fluid from the cable to the terminal, said valve being set to open toward the cable to permit of passage of fluid insulation from the terminal to the cable upon the building



up of a pressure in the terminal in predetermined excess to the pressure in the cable.

2,180,426
PORTABLE COLLAPSIBLE SEAT
John B. Milligan, San Diego, Calif.
Application August 16, 1937, Serial No. 159,376
1 Claim. (Cl. 155—153)

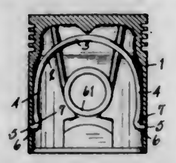


In a portable collapsible seat, a pair of side members provided with hinged loop portions connecting the same together at their inner ends, another similar pair of side members positioned in spaced relation and substantially parallel therewith, and flexible fabric members of suitable width secured to said side members at the sides, extending the full length of said side members, the fabric member between two of said side members forming a seat bottom member and the fabric member between the other two members forming a back member and flexible brace strips connecting the upper portion of said back member with the forward portion of said bottom member at the side members, the outer end of each of said side members being provided with a short right angle turn.

2,180,427
CORROSION PREVENTION
Robert Wighton Moncrieff and Edward Boaden Thomas, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 20, 1937, Serial No. 160,124. In Great Britain September 19, 1936
5 Claims. (Cl. 23—239)

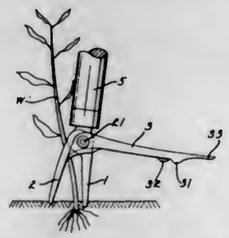
1. A liquid composition containing a nitrogenous base which normally has a corrosive action on iron and an alkaline earth metal compound which is convertible by aqueous carbon dioxide into a water-insoluble carbonate, said compound being present in an amount sufficiently to materially inhibit the corrosive action of the nitrogenous base on iron.

2,180,428
PISTON EXPANDER
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.
Application October 29, 1938, Serial No. 237,686
7 Claims. (Cl. 309—12)



1. An expander for the skirt of an internal combustion engine piston, comprising a U-shaped expanding member of circular section having a continuously curved bight portion and curved leg portions merging with said bight portion, said leg portions being offset radially inwardly then outwardly to provide lugs for mounting the expander on a piston skirt provided with diametrically opposed holes to receive the lugs, said radial inward offsetting of the leg portion defining a section thereof spaced substantially from said lugs for thrust engagement with the skirt at points spaced substantially above the lowermost edge of the skirt and said lug receiving holes.

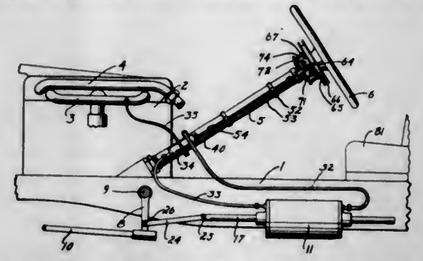
2,180,429
WEEDER
Edward L. Rasmussen, near Seattle, Wash.
Application September 10, 1938, Serial No. 229,297
9 Claims. (Cl. 254—132)



1. A weeder comprising at least three ground-piercing fingers normally spaced apart and grouped to surround a weed root, and means to move said fingers together, and guiding them during such movement to converge on such root.

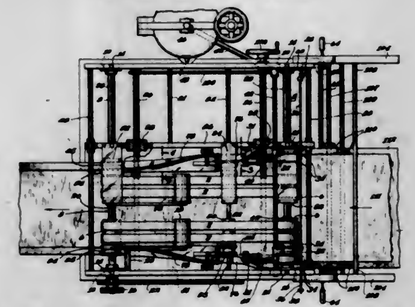
2,180,430
STEERING MECHANISM
August P. Reitz, Houston, Tex., assignor, by mesne assignments, to Gary Gillis, Harris County, Tex.
Application December 27, 1937, Serial No. 181,840
3 Claims. (Cl. 180—79.2)

2. In combination, in a means for manually actuating a steering linkage and controlling a power booster therefor, an operator's post, a steering member connected to said post by a universal joint and rotatably and tiltably movable with respect to said post, means for transmitting rotary movement of said steering member by an operator to the steering linkage to manually operate the same, and a booster controller connected to said steering member to be actuated thereby upon tilting movement thereof by an operator, said tilting movement being always in a constant direction with respect to the



operator's position to cause said power booster to assist in the operation of said steering linkage.

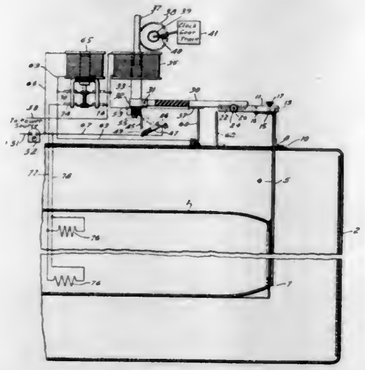
2,180,431
METHOD OF AND MACHINE FOR PRODUCING CRINKLED PAPER LINED BAGS
Francis T. Robinson, Rockville Centre, N. Y., assignor to Arkell Safety Bag Company, New York, N. Y., a corporation of New York
Application June 23, 1933, Serial No. 677,238
Renewed April 26, 1939
11 Claims. (Cl. 93—8)



1. The method of forming bag linings of the class described which comprises feeding longitudinally two strips of crinkled paper of different widths, the crinkles in the paper extending transversely thereof, bringing the strips together into superposed relation with the longitudinal edges of the wider strip projecting beyond the longitudinal edges of the other strip, folding the projecting edges of the wider strip over the longitudinal edges of the other strip, applying lines of glue to the strips whereby said edges are secured together when said projecting edges are folded over to form a tube, severing said tube into bag tubes, closing one end of the bag tubes, and folding over the longitudinal margins of the tube previously to severing the tube into bag tubes.

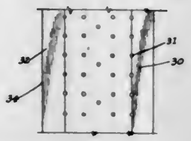
6. In a machine for use in the manufacture of bag linings, the combination of means for feeding two sheet portions of crinkled paper longitudinally, said sheet portions being arranged in superposed relation, comprising two sets of feeding devices for respectively engaging opposite longitudinal edge portions of the material, means for folding over the longitudinal margins of said material as it is being fed comprising two sets of folding devices arranged to act respectively on the longitudinal edges of the material, and means for adjusting one set of said feeding devices and the associated folding device toward and from the other set of feeding devices and the other folding device.

2,180,432
WATER HEATER CONTROL SYSTEM
John K. Ostrander, Philadelphia, Pa.
Application August 26, 1936, Serial No. 98,101
14 Claims. (Cl. 236—46)



1. In a water heating system, a heater, a device responsive to the temperature of the water, an elapsed-time device, a contact at times controlled by the mutually dependent action of the two, a time-of-day mechanism, a contact controlled thereby and means for turning on power to the heater controlled by both contacts, whereby said elapsed-time device is ineffective to control said means unless said responsive device occupies a certain position relative to said elapsed time device.

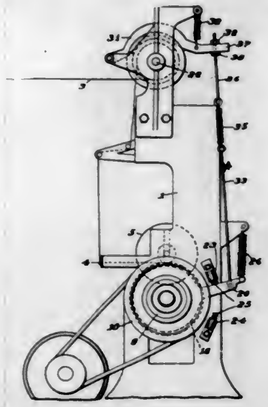
2,180,433
METHOD OF AND APPARATUS FOR MANUFACTURING WALLBOARD JOINT TAPE
John Page, Evanston, and Charles R. Southwick, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application December 27, 1937. Serial No. 181,770
19 Claims. (Cl. 93—1)



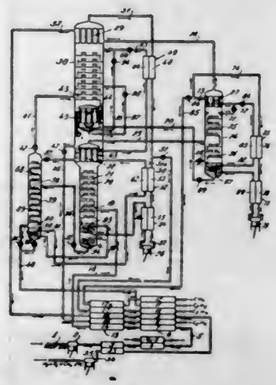
1. The method of preparing a flat paper tape from a tape in which the edges of said tape have been made wavy and also longer than the body of the tape, which comprises wetting said tape, stretching said tape while moist to bring said body and edges to the same length, and drying said tape while in flat condition to produce a tape free from wavy edges.

2,180,434
STOP MOTION FOR WINDING MACHINES
Leslie A. Runton, Andover, Mass.
Application March 14, 1938. Serial No. 195,733
7 Claims. (Cl. 242—18)

1. In a winding machine the combination comprising means for winding a yarn mass including a drum, means for driving said drum, means for stopping rotation of said drum including a brake, an idler roll from which the yarn passes to said drum, means for stopping the rotation of said roll including a brake, and means whereby the brake for said roll will be applied through an application of force developed by the continued rotation of said drum after disconnection of the means driving said drum.



2,180,435
METHOD OF SEPARATING THE CONSTITUENTS OF GASEOUS MIXTURES
Joseph L. Schlitt, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1938, Serial No. 248,379
14 Claims. (Cl. 62—175.5)

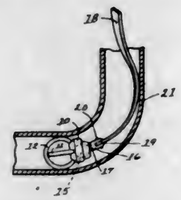


1. The method of recovering ethylene in substantial purity by rectification from a complex gaseous mixture including besides ethylene, propylene, ethane, methane and hydrogen, which comprises separating a portion containing substantially all of the propylene and higher boiling constituents, thereafter separating from the remainder at the same pressure a portion containing substantially all of the methane and other constituents of boiling points lower than that of ethylene and thereafter separating the ethylene from the remaining constituents at a lower pressure.

2,180,436
TEXTILE MATERIALS
Richard R. Sitzler, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 26, 1937, Serial No. 171,065
18 Claims. (Cl. 28—1)

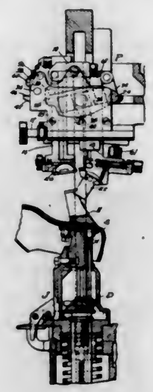
1. In a method of preparing a finish for textile materials, the step of reacting one mole of alkali bisulphite with more than one mole of a cycle ether.

2,180,437
PIPE CLEANER
Clifford F. Smith, Sioux Falls, S. Dak., assignor to Wolverine Brass Works, Grand Rapids, Mich., a corporation of Michigan
Application September 18, 1936, Serial No. 101,376
4 Claims. (Cl. 15—104.30)



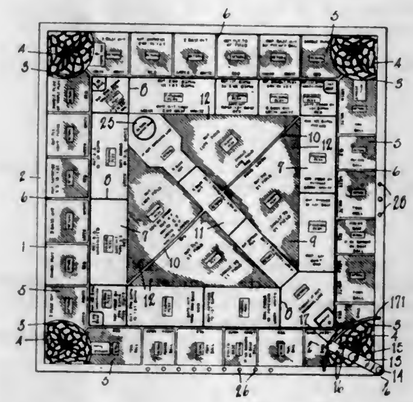
1. In a device of the class described, a base member provided with a spherical socket and having a pair of forwardly projecting pipe cleaning bowed members crossing each other at an angle, and a ball universally turnably disposed within the socket provided with a rearwardly projecting cable connecting shank.

2,180,438
HEEL-PRESSURE MECHANISM
John F. Standish, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 30, 1937, Serial No. 166,618
11 Claims. (Cl. 1—32)



1. Heel-pressure mechanism comprising movable members for contact with the tread and lateral surfaces of a heel, means for connecting the members to transmit the movement of one to the other, and means arranged to vary the force exerted upon the heel by the respective members.

2,180,439
GAME BOARD AND APPARATUS FOR USE THEREWITH
Freeman R. Stearns, Ludington, Mich., assignor to The Carrom Company, Ludington, Mich., a corporation of Michigan
Application September 27, 1937, Serial No. 165,878
4 Claims. (Cl. 273—89)

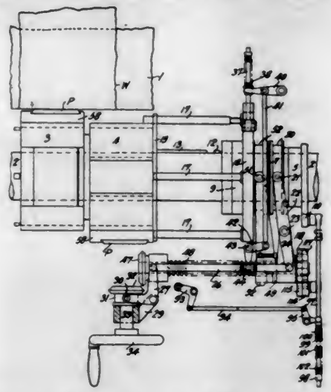


1. In combination, a rectangular game board having a smooth playing surface surrounded by a retaining wall, said surface having indicia impressed thereon for use in playing a game closely simulating baseball, and a one-piece batting or propelling device pivotally mounted on said retaining wall at one corner thereof and movable angularly equal distances on both sides of a line diagonal of the board and extending through said corner to intersect the path of a missile traveling toward the device, said device having angular stops adapted to engage said wall to limit the angular movement thereof, a depending finger of spring metal at the free end of said device for causing a missile striking the finger to rebound therefrom, and an arcuate guide rail connected at its ends to said retaining wall for guiding and slidably supporting the device during angular movement thereof.

2,180,440
PRINTING MACHINE
Leslie Norman Stone, Greenford, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application May 11, 1938, Serial No. 207,183
In Great Britain May 22, 1937
15 Claims. (Cl. 101—221)

1. Late news printing mechanism comprising an impression cylinder, a printing head, means rotating the head and cylinder to print on a web passing between them, a loading head, means supporting the loading head for rotation coaxial with the printing head, means on the loading head to receive printing plates below type height means operable to speed up the loading head and bring it into registration with the printing head, means for moving a plate longitudinally to bring it from the loading head to

the printing head, and means operating in the final part of the longitudinal movement to move



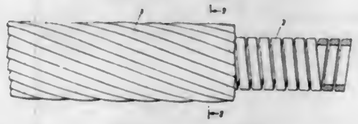
the plate obliquely to the axis of the printing head to bring it to type height.

2,180,441
FLUID PUMPING ARRANGEMENT
Raymond W. Tibbetts, Camden, Maine, assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application October 14, 1937, Serial No. 168,958
6 Claims. (Cl. 62—115)



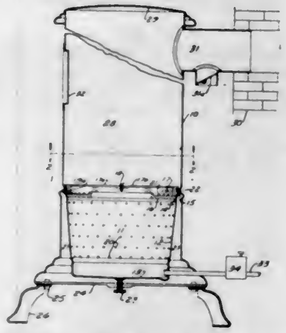
1. In a system of the class described which contains circulating fluids, a purger for exhausting non-condensable gases from the system, said purger including a drop tube of small diameter into the upper end of which successive liquid globules are fed to pump and compress bodies of gas, the lower end of the tube having an outlet opening, an upwardly extending duct having an open lower end juxtaposed to the outlet opening, a receptacle surrounding the lower ends of the tube and duct and containing a body of liquid in which the lower ends of the tube and duct are immersed, said body of liquid having its surface exposed to the atmosphere, and a gas deflector secured to the lower end of the tube but being arranged to deflect gas bodies from rising into the duct and thus returning to the system, whereby liquid may rise from said body into the duct but gas may rise to the surface of said liquid and be exhausted to the atmosphere.

2,180,442
MECHANISM GENERALLY KNOWN AS BOWDEN MECHANISM
Rene Tondeur, London, England
Application November 8, 1938, Serial No. 239,476
In Great Britain April 11, 1938
5 Claims. (Cl. 74—501)



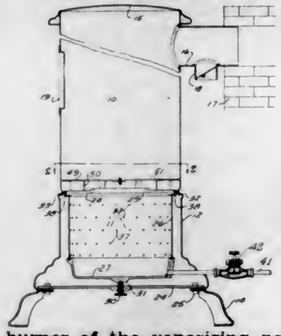
1. Bowden mechanism comprising an outer member and an inner member and adapted to transmit power by relative longitudinal displacement of said members, said members being mounted so that when the power is transmitted by said displacement the outer member is subjected to axial compressive forces and the inner member to axial extension forces, said inner tension member being composed of a single shell of helically laid coarse-pitched wires and a hollow core in the form of a fine pitched open coil substantially fitting the interior of said shell to afford adequate support to the latter so that the said inner member forms a hollow structure which is flexible and readily transversely deformable when the mechanism is curved and such inner member is under working tension.

2,180,443
COMBUSTION APPARATUS
Ben Valjean, East Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application January 2, 1937, Serial No. 118,867
2 Claims. (Cl. 158—91)



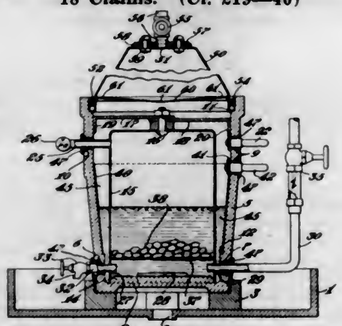
1. Combustion apparatus comprising a burner of the vaporizing pot type having a tubular side wall provided with an integral radially outwardly extending annular rib adjacent the top thereof, a plurality of air inlet openings formed in said rib, a centrally apertured top wall positioned within the burner below said air inlet openings, and a centrally apertured baffle ring positioned above said rib, the opening in the baffle ring being substantially larger than and arranged in alignment with the opening in the top wall, the baffle ring and said air inlet openings being constructed and arranged so that the axes of said air inlet openings intersect the plane of the baffle ring at a substantial angle, whereby the air admitted through said openings impinges against the baffle ring.

2,180,444
COMBUSTION APPARATUS
Ben Valjean, East Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Original application July 23, 1934, Serial No. 736,509. Divided and this application February 25, 1937, Serial No. 127,602
5 Claims. (Cl. 158—91)



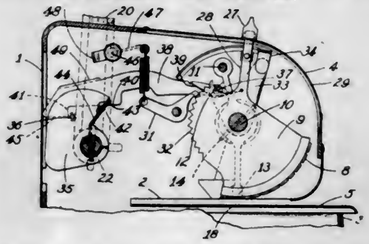
1. A burner of the vaporizing pot type comprising a vertically disposed tubular side wall, a centrally apertured horizontal top wall having a periphery extending beyond the side wall, means for delivering liquid fuel to the burner in regulatable quantities to be vaporized in the burner, a plurality of primary air inlet openings formed in the side wall of the burner below the top wall, said primary air inlet openings being proportioned and arranged to introduce air to the burner for premixing without any substantial amount of visible combustion with fuel vapors generated in the burner at certain rates of oil flow to the burner, a plurality of secondary air inlet openings formed in the top wall and adapted to admit air to the apparatus above the top wall outwardly of the side wall, and a centrally apertured baffle ring positioned in spaced relation above the top wall over said secondary air inlet openings, said baffle ring being constructed and arranged to present an obstruction against which the air admitted through said secondary air inlet openings impinges, said baffle having a central opening larger than the aperture in the top wall and having an overall diameter less than the overall diameter of the top wall.

2,180,445
ELECTRIC STEAM GENERATOR
Ralph W. E. Vickery, Brockton, Mass.
Application April 8, 1938, Serial No. 200,875
18 Claims. (Cl. 219—40)



1. An electric steam generator comprising a steam-generating vessel, an inverted container disposed within said vessel and defining a steam-generating zone between the exterior of the container and the interior wall of said vessel, said container having means defining a communication between its interior and the lower part of said vessel, means providing a communication between the upper end of said container and the exterior of said vessel, and a source of electric energy operatively associated with said steam-generating zone and effective to heat water therein.

2,180,446
CHECK WRITING MACHINE
Herman C. Welter, Rochester, N. Y., assignor to Hall-Welter Co., Incorporated, a corporation of New York
Application September 27, 1937, Serial No. 165,850
4 Claims. (Cl. 101—93)

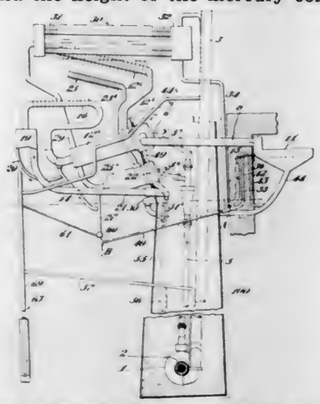


1. In a check writing machine, the combination with a printing couple embodying a plurality of movable types individually adjustable to produce, collectively, different amount combinations, a platen movable toward and from a printing line on which said types are so assembled and a plurality of operating keys for said types selectively movable out of alinement with one another to effect such amount combinations on the said printing line, of means for so operating the platen, a resetting device for the keys adapted to restore them to a neutral position and comprising a yoke, a spring normally maintaining said yoke in an inoperative set position, a draw bar pivoted to the yoke and having a shoulder, a rocking element on the operating means adapted to engage the shoulder and to actuate the yoke against the tension of its spring, and a device on the rocking element adapted, upon the return of the operating element, to lift the draw bar from engagement with the rocking element and permit the return of the yoke.

2,180,447
REFRIGERATING SYSTEM
Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application October 27, 1937, Serial No. 171,325
21 Claims. (Cl. 62—115)

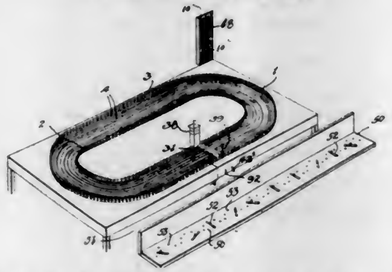
1. Refrigerating apparatus of the class described comprising a propellant circuit and a refrigerant circuit, said circuits having a common part where propellant vapor pumps and compresses refrigerant vapor and where the propellant vapor is condensed, said propellant circuit also including a boiler, a duct supplying propellant vapor from the boiler to said common part, and a return pipe directing condensed propellant from said common part to the boiler and containing liquid propellant to balance the boiler pressure, said refrigerant circuit also including a refrigerant condenser and a cooler, and a drum

disposed between said common part and said return pipe, said drum having a cross-sectional size substantially greater than that of the return pipe, whereby, when the boiler pressure rises, the upper part of the liquid column is received in the drum and the height of the mercury column in



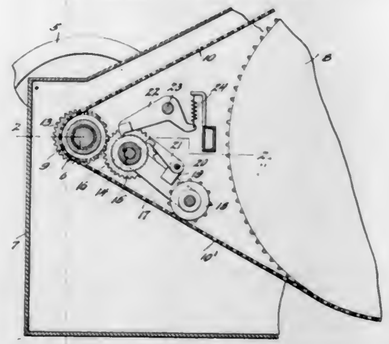
the boiler is decreased in response to further increase in temperature of the boiler, so that the boiler pressure may be automatically maintained within rather closely predetermined limits despite variations in the amount of heat being supplied to the boiler.

2,180,448
AMUSEMENT DEVICE
Frederick W. Williams, Headingly, Manitoba, Canada
Application February 15, 1934, Serial No. 711,405
Renewed June 1, 1937
22 Claims. (Cl. 273—86)



1. In an amusement race course, a plurality of tracks positioned side by side and encircling the course, a racing carriage mounted on each track and means for propelling said racing carriages, primary electric circuits connected through said tracks with said propelling means, each primary circuit containing a resistance selected to compensate for the variation in the distances required to be travelled by the carriage in encircling the course, a secondary circuit for each carriage and connected with said means for propelling said racing carriages through the track rails, a second selected resistance introduced in each secondary circuit, the second resistance being in each case less than the resistance in the primary circuit, a multi-contact player controlled electric switch in each secondary circuit and means for intermittently making or breaking during the race any switch contact connection in said multi-contact player-controlled switch of any secondary circuit and a releasable stop means associated with the track at the start and finishing point of the race and engageable with the carriages to align the same across the course at the start of the race.

2,180,449
ADJUSTING DEVICE FOR ENDLESS CHAINS
John Hart Wilson, Wichita Falls, Tex.
Application June 21, 1938, Serial No. 215,016
6 Claims. (Cl. 74—242.16)



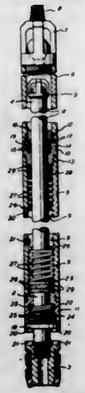
2. In combination with chain-driven mechanism including a chain, a frame, a sprocket shaft, means adjustably supporting said sprocket shaft in said frame, a sprocket on said shaft in driving engagement with said chain, means for actuating said supporting means to effect adjustment of said sprocket shaft relative to said frame, said actuating means comprising a rotatable ratchet, means operatively connecting said ratchet and said supporting means, a pivoted arm, a pawl carried by said arm and having an operative engagement with said ratchet, and a member carried on the free end of said arm and adapted to ride on a reach of said chain, whereby said arm and pawl are caused to fall as said reach becomes slack and to be lifted by said reach as the latter becomes taut, said pawl being adapted to remain in engagement with the same tooth of said ratchet so long as the slackness of said reach remains within a predetermined limit.

2,180,450
CENTER SILLS CONSTRUCTION FOR FREIGHT CARS
John J. Tatum, Baltimore, Md.
Application August 8, 1938, Serial No. 223,732
1 Claim. (Cl. 105—416)



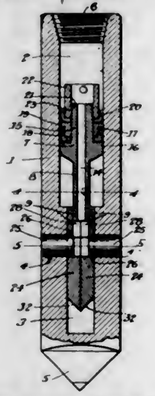
A center sills construction for railroad cars embodying channeled beams each having a corrugated reinforcement disposed within the channel and secured to the web and flanges thereof, each reinforcement having a plurality of outwardly facing corrugations formed with flattened apex faces lying in the plane of the free edges of the beam and functioning as guides in the movement of the sill in a car bolster.

2,180,451
PUMP MECHANISM
Paul B. Barnett and Clarence G. Upton, Freer, Tex.; said Upton assignor to John P. Muller, Fort Worth, Tex.
Application September 8, 1938, Serial No. 228,986
5 Claims. (Cl. 103—180)



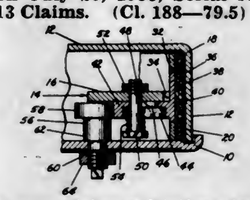
1. In a pump for oil wells having a stationary tubular plunger and a hold down assembly, a tubular housing operatively receiving the said plunger and adapted to reciprocation thereon, a grease chamber in the said housing around the said plunger, packing arranged in each end of the said grease chamber, check valves on the upper ends of the said plunger and the said housing and resilient retaining means for the said packing in the said chamber.

2,180,452
UNDERREAMER
George M. Boulter, Bakersfield, Calif.
Application October 1, 1937, Serial No. 166,818
1 Claim. (Cl. 255—76)



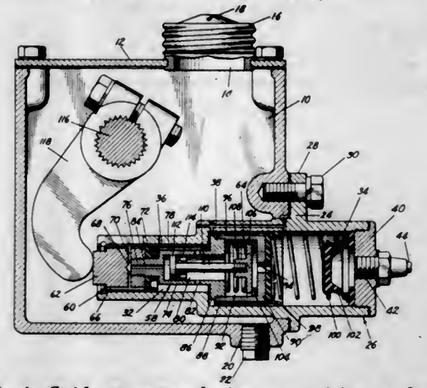
An underreamer comprising a body, a plunger formed with a depending shank and a pair of prongs on the lower end of said shank, said plunger and shank being provided with a bore extending therethrough, a pair of scraper blades pivotally mounted in said body, said blades being formed with recesses, to receive said prongs, and with circulating channels, and means whereby fluid under pressure is introduced into said body to force said plunger, shank and prongs downwardly in said body, whereby the ends of said prongs are caused to engage the walls of said blade recesses and swing said blades outwardly from said body, and to bring said circulating channels of said blades into register, so that part of the fluid introduced into said body will circulate through said bore in said plunger and shank, and through said registering blade channels, outwardly from said body over said blades.

2,180,453
BRAKE
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application July 20, 1936, Serial No. 91,513
13 Claims. (Cl. 188—79.5)



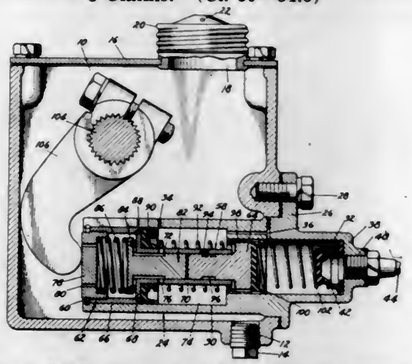
1. A brake comprising a friction element, a retractile stop associated therewith, and a member spring pressed against the element to provide frictional engagement therewith, said member having a wear resisting lining and cooperating with the stop.

2,180,454
FLUID PRESSURE BRAKING SYSTEM
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 12, 1937, Serial No. 142,165
7 Claims. (Cl. 60—54.6)



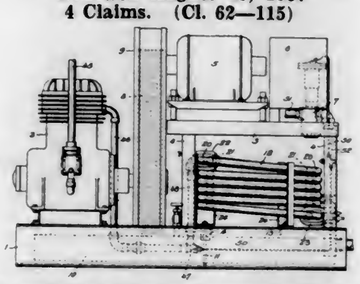
1. A fluid pressure device comprising a low pressure cylinder and a high pressure cylinder, a piston in each cylinder, a passage permitting flow of fluid past said low pressure piston, a valve for closing said passage, said valve having a face exposed to the fluid pressure in the low pressure cylinder and an opposite face exposed to the fluid pressure in the high pressure cylinder, a head having a surface exposed to the fluid pressure in the high pressure cylinder, said surface having an area less than the area of the valve face exposed to the fluid pressure in the low pressure cylinder, said head having an opposite surface exposed to substantially atmospheric pressure, and means connecting said head with said valve.

2,180,455
FLUID PRESSURE PRODUCING DEVICE
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 20, 1937, Serial No. 143,694
5 Claims. (Cl. 60—54.6)



1. A fluid pressure producing device comprising a reservoir, a cylinder supplied therefrom including a large and a small chamber, a piston reciprocable in the cylinder including spaced heads movable in the respective chambers, a sleeve slidably connecting the heads, a spring on the sleeve yieldingly supporting one of the heads, a valve in the other head adapted to be actuated by the yieldingly supported head, and a spring for said valve yieldable under a fluid pressure less than the fluid pressure required to overcome said first mentioned spring whereby said valve operates independently of said head.

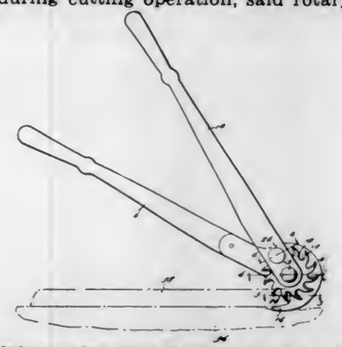
2,180,456
REFRIGERATING SYSTEM
Leon Buehler, Jr., Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application November 14, 1935, Serial No. 49,817
Renewed August 13, 1937
4 Claims. (Cl. 62—115)



1. A portable motor-compressor-condenser unit comprising an elongated base, a compressor mounted on said base adjacent one end, a condenser mounted on said base adjacent its other end, a platform supported by said base above said condenser, a motor carried by said platform, a driving connection between said motor and compressor, said entire unit forming a compact arrangement.

2,180,457
CAST CUTTER
Felix Butkiewicz, Omro, Wis.
Application April 15, 1938, Serial No. 202,317
4 Claims. (Cl. 128—317)

1. A cast cutter comprising a stationary blade having a rearwardly extending work engaging hook, a rotary blade mounted in cutting cooperation with said stationary blade, said blades being adapted for movement in a rearward direction during cutting operation, said rotary blade



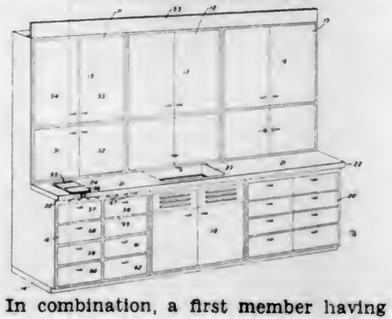
embodying a plurality of cutting teeth and ratcheting means engageable with the teeth for operating the blade, said teeth being arcuately formed and embodying work penetrating prongs and adapted to engage and force the work into cutting engagement with said stationary blade.

2,180,458
DISK HARROW
John H. Clasen, Anaheim, Calif.
Application August 9, 1938, Serial No. 223,841
11 Claims. (Cl. 55—83)



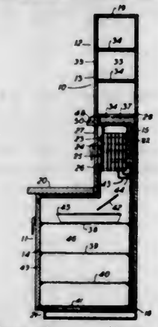
1. A harrow of the class described comprising a leading section and a following section, a spacing bar disposed between said sections and articulately connecting the leading section to the following section at points between the two sections, a secondary draw-bar articulately connecting the leading section to the following section, a bifurcated main draw-bar, one leg of which is connected to the forward edge of the leading section and the other leg of which is connected to the lever end of the spacing bar, a turning arm rigidly associated with the main draw-bar, and a collapsible angle element connecting the turning arm with the leading section adjacent its forward end.

2,180,459
KITCHEN DEVICE
Guyon L. C. Earle, Forest Hills, N. Y.
Application February 7, 1938, Serial No. 189,036
11 Claims. (Cl. 126—37)



1. In combination, a first member having an enclosed space therein, a second member having a smaller horizontal cross-sectional area than said first member, all portions of said second member being located above said first member, a stationary burner in the bottom portion of an enclosed space in the second member, a utensil supporting member associated with and closely adjacent said burner, a door for the enclosed space in said second member, and a handle for said door, said door being so arranged and mounted that when it is in the open position and its outside surface separated from the top of said first member by a distance which is substantially the depth of said handle its inside surface is at substantially the same level as the top of said utensil supporting member.

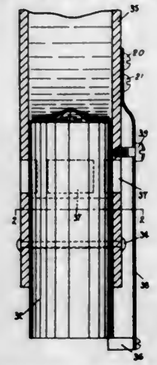
2,180,460
REFRIGERATOR
Guyon L. C. Earle, Forest Hills, N. Y.
Application March 14, 1939, Serial No. 261,730
4 Claims. (Cl. 62—89)



1. In a refrigerator unit, a bottom enclosure member having a back wall, side walls and a front wall, said front wall having an opening therein and a closure member for said opening, an upper enclosure member located above said bottom enclosure member, said upper enclosure member having a back wall, side walls, and a front wall which is set back from the front wall of said bottom enclosure member, the front wall of said upper enclosure member having an opening therein and a closure member for said opening, a fixed, substantially horizontal table top for said bottom enclosure member which top is in front of said upper enclosure member, said upper enclosure member having a space adapted to be refrigerated and said bottom enclosure member also having a space adapted to be refrigerated, said last mentioned space having a rear portion substantially under the refrigerated space in said upper enclosure member and a front portion under at least a part of said table top, each of said refrigerated spaces containing supporting means for the storage of food, a cooling coil, and ice cube trays within the space bounded by said coil, said upper refrigerated space being open to said bottom refrigerated space, whereby cold air from said coil circulates between upper and lower refrigerated spaces to cool both of them.

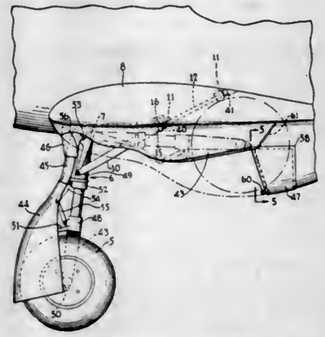
2,180,461
PIPE CLOSURE
Owen William Ellis, Forest Hill, Ontario, Canada
Application September 16, 1936, Serial No. 100,969
1 Claim. (Cl. 169—41)

In pipe closures, a pipe having an open end and apertures adjacent thereto, a valve adapted to be inserted in the open end of said pipe, a thermally responsive element having one end fixedly secured to the exterior wall of the pipe, an adjusting screw adapted to be threaded into



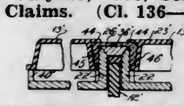
said pipe and extending through said thermally responsive element, and a latch fixedly secured to the free end of the thermally responsive element and adapted to engage the underside of said valve.

2,180,462
AIRCRAFT STRUCTURE
Alexander P. de Seversky, Northport, N. Y., assignor to Seversky Aircraft Corporation, a corporation of Delaware
Application December 16, 1937, Serial No. 180,077
4 Claims. (Cl. 244—102)



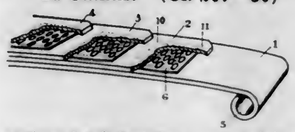
1. In an aircraft, the combination with a wing of a retractable landing gear comprising a strut with a wheel carried thereby, said strut being pivoted to move downward and forward to landing position and upward and rearward to a retracted position against the under surface of the main wing structure, a streamline housing on the underside of the wing to receive said strut, closure members carried by the strut arranged to form a streamline closure for the housing when the strut and landing wheel are in retracted position, said strut comprising a hydraulic cylinder, and a plunger movable therein, a pair of links pivoted to each other and each pivoted to one of the members to prevent relative rotation of the plunger and cylinder, and a second closure member pivoted to the wing aft of the wheel when in retracted position and arranged to be moved by movement of the wheel to retracted position to permit the wheel to pass to and from retracted position.

2,180,463
STORAGE BATTERY
Carl J. Dunzweiler, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application July 29, 1936, Serial No. 93,212
3 Claims. (Cl. 136—134)



2. In combination a container having compartments and a partition therebetween, upwardly dished cell covers for said compartments providing therebetween a groove into which the upper portion of said partition extends, plate groups in the compartments having posts extending upwardly on opposite sides of the partition and connected by means extending across the partition, said covers having depending walls with portions thereof recessed adjacent said posts to provide an enlargement of said groove, and sealing compound in said groove and enlargement, said covers having extension portions overlying said recessed wall portions.

2,180,464
LUBRICATING BEARING FOR SPRING LEAVES
Walter Fred, Chattanooga, Tenn.
Application June 20, 1936, Serial No. 86,410
14 Claims. (Cl. 267—50)



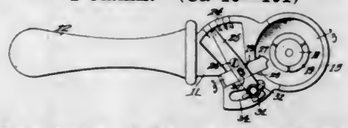
1. A spring leaf bearing comprising a bowed plate for insertion between a pair of spring leaves adjacent their ends, rows of lubricant receiving openings formed therein, the openings of each alternate row being staggered with respect to the others, lubricant seated in said openings, and means cooperaing with one of a pair of spring leaves to hold said plate against relative displacement with respect thereto.

2,180,465
PRETZEL STICK PACKAGE
George Gelfand, Wilkes-Barre, Pa.
Application June 5, 1939, Serial No. 277,522
1 Claim. (Cl. 99—172)



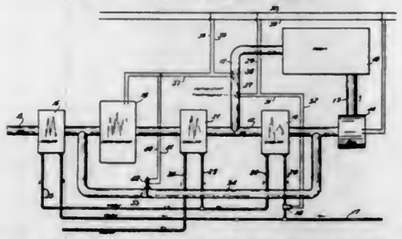
Pretzel stick package comprising in combination a bundle of elongated brittle pretzel sticks, each having a wedge-shaped cross-section with the dihedral apices substantially in the axis of the bundle, the contiguous faces of the pretzel sticks being planiform, and a girder wrapper enveloping said bundle of pretzel sticks binding them tightly in said bundle and in turn being itself maintained in girder shape by the bulk of said bundle, said wrapper comprising a U-shaped portion with stiffening corrugations extending longitudinally of the bundle, and a complementary binding portion bridging the space about said bundle between the limbs of said U-shaped portion.

2,180,466
TUBE THREADING IMPLEMENT
Henry Lauritz Hanson and Henry Lloyd Hanson, Worcester, Mass.; Thekla C. Hanson executrix of Henry Lauritz Hanson, deceased
Application February 28, 1939, Serial No. 259,002
4 Claims. (Cl. 10—101)



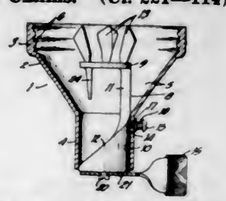
1. In a device of the character described, the combination with a frame having a rigid handle thereon by which it can be supported, a scale on the frame for indicating the size of the work, a lever pivoted on the frame having a pointer cooperating with the scale, means for clamping the work in adjusted position, means on the frame for supporting the work, and a thread cutting tool movable along a course radial with respect to the work, connected with said lever to be operated thereby toward and from the work for adjustment.

2,180,467
AIR CONDITIONING SYSTEM
Herbert W. Heisterkamp, Cleveland, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application September 25, 1937, Serial No. 165,710
2 Claims. (Cl. 62—129)



1. In an air conditioning system, an air recirculating line including a compartment in which the air is to be conditioned, an air cooling means in said line, means for introducing dehumidified air into said line on the intake side of said cooling means, and means for introducing fresh cooled outdoor air into said line on the outlet side of said cooling means.

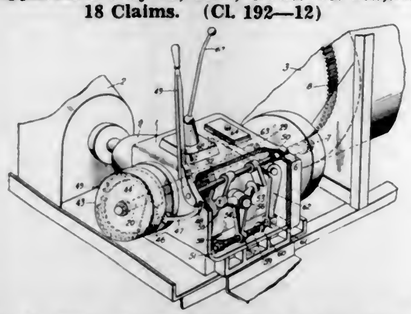
2,180,468
DISPENSER
Samuel Hochstim, Schenectady, N. Y.
Application October 11, 1937, Serial No. 168,387
7 Claims. (Cl. 221—114)



1. In a dispensing device of the character described, a tubular element forming a passageway for the flow of material therethrough, a valve element slidably fitted within said tubular element and comprising spaced closure elements for

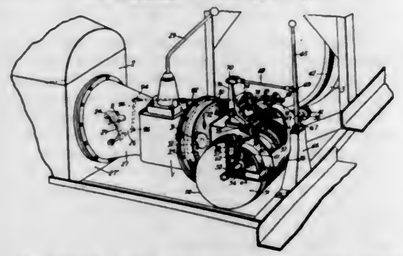
said tubular element, means for connecting said valve to said tubular element and for guiding said valve, when actuated, in an axial and rotary movement and means associated with said valve for agitating the material for dispensation.

2,180,469
TRANSMISSION
Gebhard Jaeger, Columbus, Ohio, and Chris Gerst, Detroit, Mich., assignors to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application July 10, 1937, Serial No. 152,934
18 Claims. (Cl. 192—12)



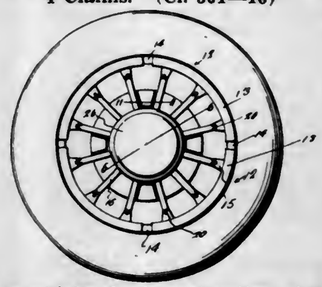
1. A device for transmitting power from a power unit to a driven unit comprising an in-put shaft and an out-put shaft, a pair of gears rotatably mounted on a hollow shaft and adapted to be driven by the in-put shaft, a clutch associated with each of said gears for selectively clutching it to the hollow shaft on which it is mounted, a brake shaft extending into said hollow shaft, a brake unit associated with said brake shaft, gearing for normally connecting the hollow shaft to the brake shaft, and gearing for continuously connecting the brake shaft to the out-put shaft.

2,180,470
TRANSMISSION
Gebhard Jaeger, Columbus, Ohio, and Chris Gerst, Detroit, Mich.
Application November 15, 1937. Serial No. 174,602
10 Claims. (Cl. 192—4)



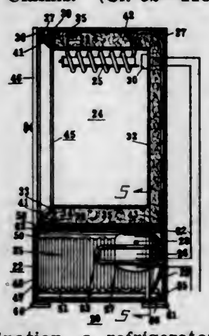
1. A device for transmitting power from a power unit to a driven unit comprising an in-put shaft and an out-put shaft, means for selectively connecting and disconnecting the shafts, a brake unit for applying a braking force to the out-put shaft whenever the in-put shaft and the out-put shaft are disconnected, said brake unit embodying a brake drum mounted on a shaft independent of the out-put shaft, means for connecting said out-put shaft and the brake shaft in such a manner that the brake shaft will be driven by the out-put shaft at a greater rate of speed than the out-put shaft, said means comprising gearing connecting the out-put shaft to the brake shaft in such a manner that increased torque will be applied to the out-put shaft by the brake unit, and means for applying the brake whenever the in-put shaft and the out-put shaft are disconnected from each other and for releasing the brake whenever they are connected to each other, said means being under the control of a single control lever.

2,180,471
COLLAPSIBLE VEHICLE WHEEL
Jay J. R. Johnson, Mumford, N. Y.
Application May 29, 1937, Serial No. 145,604
4 Claims. (Cl. 301—16)



1. In a vehicle wheel construction of the class described, an annular circumferentially expansible and contractible rim, an attaching and supporting hub bodily movable in an axial direction toward and from said rim, said hub including a ring-shaped plate and a shell provided with a ring-shaped axially inner end, means for connecting the said inner end of the shell with the ring-shaped plate, the axially inner end of the shell and the outer portion of the plate having circumferentially spaced depressions in their peripheral portions forming ball sockets, spokes having balls at their inner ends fitting in said sockets, hinge connections between the outer ends of the spokes and the rim and means for detachably connecting the hub to a brake drum.

2,180,472
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio
Application November 12, 1936. Serial No. 110,494
12 Claims. (Cl. 62—116)



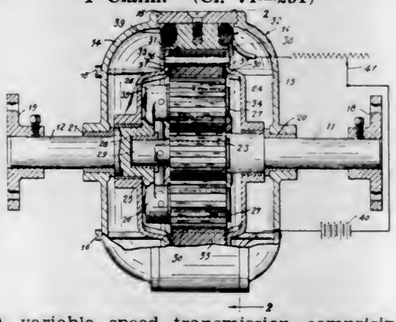
1. In combination, a refrigerator cabinet; a base for supporting the cabinet, sa'd base including interfitting sheet metal shells hermetically joined with one another at the peripheries thereof and spaced at least partly between the peripheries to provide a condenser for a refrigerating apparatus.

2,180,473
MOVING COIL INDUCTION METER
Karl Lange, Hamburg, Germany
Application January 24, 1938, Serial No. 186,705
In Germany August 4, 1937
3 Claims. (Cl. 171—95)



1. An electro-dynamometer type galvanometer, comprising a closed iron core forming an air gap; an energizing winding located at one end of the core for producing a field of force through the air gap; a pivoted coil energized by the unknown quantity to be measured and movable within the air gap in proportion to the repulsive force between itself and the field of force, said energizing winding being so disposed that its magnetic lines of force will cut the pivoted coil substantially at right angles; and a pointer and scale for indicating the instantaneous magnitude of such repulsive force.

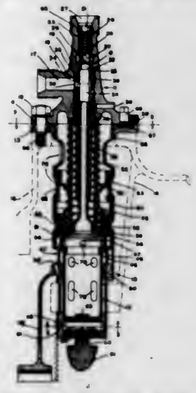
2,180,474
VARIABLE SPEED TRANSMISSION
Bennett M. Leece, Shaker Heights, Ohio, assignor to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application May 22, 1937, Serial No. 144,219
1 Claim. (Cl. 74—291)



A variable speed transmission comprising a housing having therein a plurality of spaced field poles carrying energizing windings, means for varying the excitation of said windings, a pair of substantially aligned shafts journaled on said housing and extending thereinto, a hollow body mounted for rotation in said housing between said poles and about said shafts, a gear within said hollow body and coaxially carried by one of said shafts, a gear carrier in said hollow body and eccentrically carried by the other of said shafts, a second gear rotatable on said carrier and meshing with the first-mentioned gear, said hollow body having a laminated annular rim portion carrying a series of circumferentially spaced short-circuited inductor bars adjacent its outer periphery, and a ring gear meshing with said second gear and comprising a series of gear teeth formed on said laminated rim portion and extending around its inner periphery.

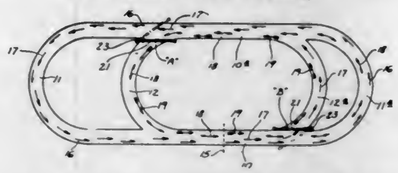
2,180,475
FUEL INJECTOR PUMP
Olof Ljungstrom, Detroit, Mich.
Application December 13, 1937, Serial No. 179,584
8 Claims. (Cl. 103—37)

1. In a fuel injector of the displacement type having an intake opening for fuel, a reciprocable plunger for displacing the fuel and acting as a slide valve to control the intake port, a reciprocable member coaxially arranged with respect to the plunger, a sleeve carried by the reciprocable member and rotatable relative thereto, a tubular member carried by the plunger and rotatable rel-



ative to the latter, said tubular member having a portion threadedly engaging the sleeve, means for rotating the sleeve relative to the tubular member to adjust the stroke of the plunger, and separate means for rotating the tubular member relative to the sleeve to initially determine the effective stroke of the plunger.

2,180,476
RACE TRACK
Anthony W. Molinare, Oak Park, Ill.
Application March 13, 1939, Serial No. 261,517
2 Claims. (Cl. 272—4)

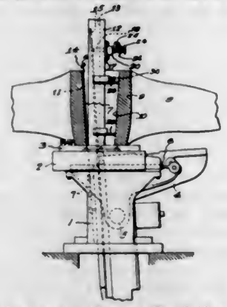


1. A race track comprising two oval courses each having straight long side portions and short curved end portions, said ovals having minor axes of the same dimension and major axes of different dimensions and superposed with the straight side portions of each coincident throughout their common extent, the oval with the shorter major axis being non-symmetrically placed within the larger oval whereby the corresponding curved end portions of the two ovals are spaced different distances apart, thereby to provide four oval race courses of different lengths.

2,180,477
WORK LOCATING AND TOOL GUIDING MEANS FOR KEYWAY FORMING DEVICES
Henry Earl Morton, Muskegon Heights, Mich.
Application February 24, 1938, Serial No. 192,335
20 Claims. (Cl. 90—43)

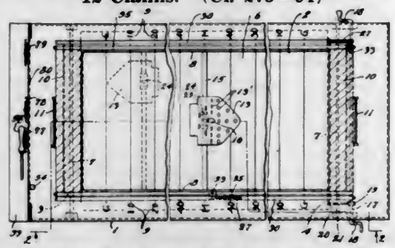
1. Means for the purpose described including a centering post for rigid connection to a work support of a machine, said post being adapted to project into a bore in the work in the wall

of which bore a keyway or channel is to be formed, and means adapted to fit within the bore



of the work between the wall of the bore and said post to center the work relative to said post.

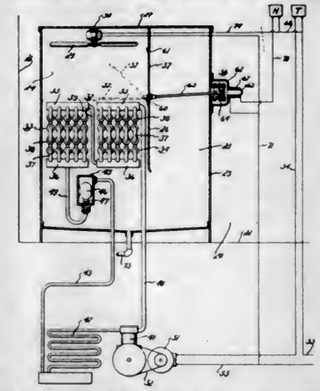
2,180,478
GAME APPARATUS
Stanley Pekalski and Joseph Bennis, Greenfield, Mass.
Application April 4, 1938, Serial No. 200,004
12 Claims. (Cl. 273—94)



1. Apparatus of the class described, comprising a body having a rectangular opening in one side thereof proportioned to conform to the side and end boundaries of a playing field, a member of substantially greater length than the opening in the body and disposed contiguous to said body and having a flat surface registering with said opening and shiftable in opposite directions, the margins of said opening defining a corresponding field of play on said member and also defining scoring zones at the opposite exposed ends thereof, a game piece carried by said member intermediate its opposite ends, said body having supporting means for supporting said member during its shifting movements, and including means for shifting said member.

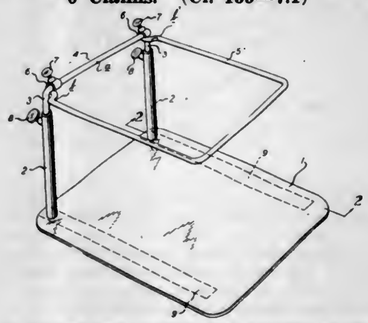
2,180,479
AIR CONDITIONING SYSTEM
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application March 7, 1934, Serial No. 714,431
3 Claims. (Cl. 62—6)

3. The method of conditioning air in a single treating zone which serves to condition air to the desired temperature and humidity conditions which comprises, causing air to circulate at a substantially constant rate, controlling the amount of sensible heat removed from the air by reducing the temperature of said zone in accordance with a demand for reduction in temperature of the air, controlling the amount of latent heat removed from the air during said demand by concurrently by-passing some of said circulating air around said zone and causing a further reduction in temperature in said zone for



dehumidifying the air passing through said zone to the desired condition solely upon an increase of the relative humidity of the air, and merging the air thus treated with the by-passed air.

2,180,480
ANESTHETIC SCREEN
Mary Grace Richardson, Fort Worth, Tex.
Application October 31, 1938, Serial No. 237,921
6 Claims. (Cl. 135—7.1)

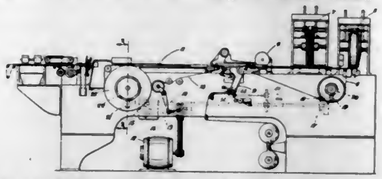


1. In apparatus providing a screen for the administration of anesthetics comprising a base plate having a pair of tubular uprights, an inverted U-shaped frame member slidably received by the said uprights and including a horizontal portion, a fixedly adjustable screen supporting frame hingedly supported by the horizontal portion of the said U-shaped member permitting adjustability of the said screen supporting frame in variable planes with respect to said base plate.

2,180,481
VARIABLE SPEED GEARING
Félix Fréderic Ruau, Deptford, London, England, assignor to Molins Machine Company, Limited, Deptford, London, England
Application November 30, 1936, Serial No. 113,513
In Great Britain December 28, 1935
1 Claim. (Cl. 131—39)

In a machine for manufacturing mouthpiece cigarettes, the combination of a core feeding conveyor comprising an endless band to feed an axially moving core of axially aligned cigarettes and mouthpieces, mechanism for feeding short

lengths of wrapping material to adjacent elements in said core, a slower moving endless band conveyor to continue the axial movement of the axially aligned cigarettes and mouthpieces together with the short lengths of wrapping material, said last named conveyor moving at a slower linear speed than the said core feeding conveyor, driving mechanism for such slower moving conveyor, a variable speed gear interposed between the slower moving endless band con-



veyor and the driving mechanism therefor, and means for adjusting the transmission ratio of said variable speed gear within fine limits while the machine is in operation to produce small differences in the speed of the said slower moving endless band conveyor relatively to the core feeding conveyor and to the mechanism for feeding the short lengths of wrapping material whereby compensation for minute variations in the lengths of elements in the core may be effected.

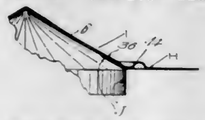
2,180,482

SOUND REPRODUCER AND METHOD OF MANUFACTURING THE SAME

Osborne I. Price, Frederick, Md.

Application November 12, 1937, Serial No. 174,241

6 Claims. (Cl. 179—115.5)



1. A sound reproducing diaphragm comprising a flexible supporting rim member, a fabric sheet having a body portion and a coil mounting edge portion thereon, and a second fabric sheet, said second fabric sheet being secured in surface contact with the body portion of said first fabric sheet, with an inner peripheral portion of said rim member interposed therebetween.

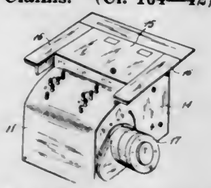
2,180,483

TICKET ISSUING MECHANISM

Louis Scher, Shaker Heights, Ohio, assignor to The Ticket Issuing Machine Company, Cleveland, Ohio, a corporation of Ohio

Application June 29, 1937, Serial No. 150,892

2 Claims. (Cl. 164—42)



1. In a ticket delivering machine adapted to selectively issue one or a greater number of tickets, ticket issuing and severing mechanism, actuating means for said mechanism, a master key for starting and stopping said actuating means, and a plurality of manually operable keys for controlling said master key, certain of said manually operable keys acting to limit movement of said actuating means while another of said keys merely operates the master key without limiting movement of the actuating means, wherefore when this latter key is operated said actuating means will have its maximum movement for actuating said mechanism to deliver the maximum number of tickets within the capacity of the machine.

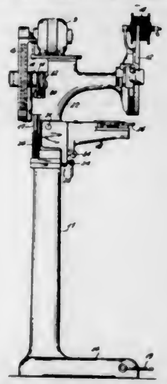
2,180,484

METAL STITCHING MACHINE

William O. Sims, Niagara Falls, N. Y., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware

Application December 21, 1936, Serial No. 116,851

6 Claims. (Cl. 1—2)



1. In a stitching machine, means for driving a staple in a vertical plane, clinchers arranged normally to support the work just beyond the legs of the staple as the latter is being driven, two horizontal bars upon the forward ends of which said c inchers are mounted, said bars being supported exclusively at points removed from their forward ends and means for actuating said bars for moving the clinchers thereafter toward each other for clinching the legs of the staple.

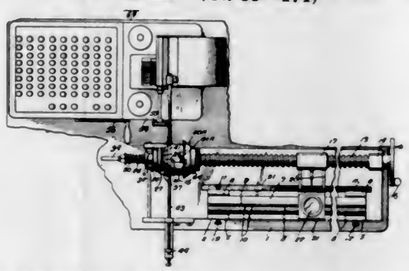
2,180,485

APPARATUS FOR MAKING MEASUREMENTS AND GRAPHS OF SUCCESSIVE TREE RING WIDTHS

Linton M. Solomon, Macon, Ga.

Application May 19, 1938, Serial No. 208,906

8 Claims. (Cl. 33—174)



1. Apparatus for measuring the width of successive tree rings from a tree boring and automatically translating the measurements into a proportional graph, comprising a base, a screw mounted on the base, a carriage mounted and threaded upon said screw to travel axially thereupon when the screw is turned, a holder for supporting a tree boring parallel to the axis of said screw, an index point moving with said carriage in proximity to said tree boring, means for rotating said screw, means actuated by said screw mounted on the base for moving a pencil or other marking stylus rectilinearly upon a graph sheet, clutch means for connecting said pencil-moving means to said screw for moving said pencil in one direction from a repose position when said screw is turned, means connected to said pencil moving means operable upon release of said clutch for moving said pencil in the opposite direction independent of said screw, and means on said base for moving said graph sheet step by step in a direction perpendicular to the direction of movement of said pencil-moving means and means actuable at will for operating said graph sheet moving means.

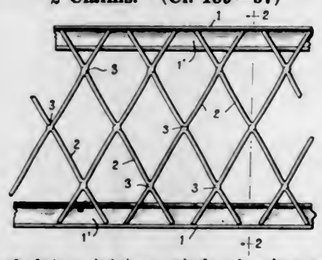
2,180,486

WELDED SKELETON JOIST OR TRUSS

Frederick Tench, White Plains, N. Y., assignor to L. T. Corporation, Exchange Place, Hudson County, N. J., a corporation of New Jersey

Application April 29, 1936, Serial No. 76,876

2 Claims. (Cl. 189—37)



1. A skeleton joist or girder having a pair of chords or longitudinals spaced apart and comprising L-shaped beams the vertical members of which are provided with enlargements on their edges and diagonal web members crossing one another and integrally united at their intersections by homogeneous welds, said cross members also being welded to the aforesaid enlargements on said vertical members and having their ends abutting against the horizontal members of said L-shaped longitudinals.

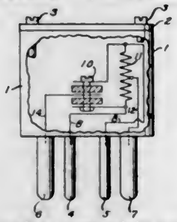
2,180,487

DETACHABLE RECTIFIER PLUG

Ray L. Triplett, Bluffton, Ohio

Application October 20, 1937, Serial No. 170,075

10 Claims. (Cl. 175—363)



1. A rectifier plug comprising a casing having a plurality of exteriorly mounted contact terminals, a multi-disk solid rectifier and a resistor within the casing, said resistor being connected across the end disks of the rectifier, an electrical connection between an intermediate disk of the rectifier and one of said terminals, electrical connections between the ends of the resistor and a pair of other terminals, and an electrical connection between an intermediate terminal on the resistor and another of said terminals.

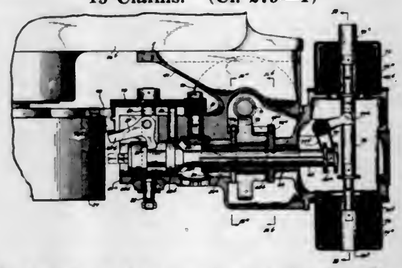
2,180,488

CHUCK CLOSING AND OPENING MECHANISM

John J. N. Van Hamersveld, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio

Application January 17, 1936, Serial No. 59,571

15 Claims. (Cl. 279—1)



2. A closing and opening mechanism for the jaws of a chuck, said mechanism including a wrench, means supporting said wrench for both rotary movement and endwise movement from a normal position laterally of the chuck into engagement with a part of the chuck to be actuated, power means for rotating the wrench and for moving it endwise from its normal position to the chuck, additional power means for retracting the wrench at the conclusion of the opening or closing operation and for moving it back to its normal position, and movable means constituting an operative connection between said additional power means and said wrench.

2,180,489

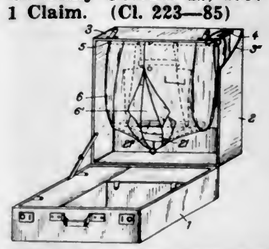
GARMENT HANGER AND SUPPORT THEREFOR

Siegfried Meyer, Berlin, Germany

Application May 4, 1938, Serial No. 205,962

In Germany October 12, 1937

1 Claim. (Cl. 223—85)



In combination, a support, two parallel rails fixed thereto, and a hanger structure removably mounted on said rails and comprising a straight main portion adapted to receive a garment thereover in folded condition, and an inwardly directed bent portion extending from each end of said main portion, said bent portions terminating in free opposite spaced apart ends and being spaced from said main portion, said free ends of said bent portions being directed toward said main portion and approaching each other to such extent as to provide a space therebetween to freely render accessible the major part of said main

portion for unobstructed reception of said garment on said major part, said ends of said inwardly directed bent portions coacting with said main portion to grip the garment therebetween.

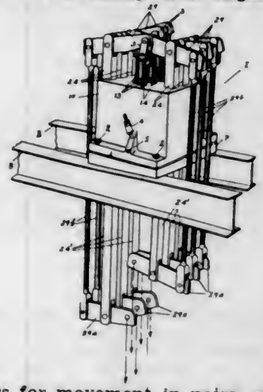
2,180,490
CARD INDEX DEVICE
Max Vogel, Frankfort-on-the-Main, Germany
Application May 15, 1937, Serial No. 142,770
In Germany May 19, 1936
2 Claims. (Cl. 129—16)



1. In a card index device, a series of rectangular index cards hinged at one edge and arranged in overlapping relation at their free edges and adapted to be moved between closed and open positions, a flat support for said cards, said hinged edges being in a plane parallel to said support and said free edges in the normal closed position of the cards being in a plane parallel to and outwardly spaced from the plane of said hinged edges, guide means carried by said support in parallel relation to the side edges of said cards, a slide member engaged upon said guide means for sliding movement parallel to said side edges, a bar rigidly secured to said slide member disposed at a right angle to said guide means extending over said cards in parallel relation to the hinged and free edges of said cards, and spaced from said support a distance greater than the spacing of the hinged edges of said cards from said support and less than the spacing of the free edges in the normal closed position of said cards, whereby upon movement of said bar in a direction toward the free edge of a card in normally closed position it will enter beneath said card to raise it to open position, will support it along a line parallel to said free edge whereby both ends of said free edge are uniformly supported at any point of movement of said bar between the hinged and free edges of the card, and will release said card simultaneously with the passage of the bar over said free edge parallel thereto.

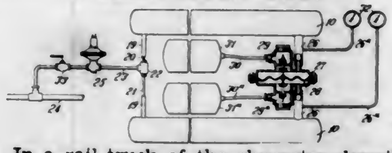
2,180,491
CABLE EQUALIZER
Thomas J. Wilson, Pittsburgh, Pa., assignor to Hydraulic Equalizer Company, a corporation of Pennsylvania
Application March 11, 1938, Serial No. 195,284
5 Claims. (Cl. 187—1)

1. In equalizer apparatus including a plurality of hydraulic pressure units in common hydraulic communication, and means for transmitting severally to such units the stresses of a plurality of cables under tension; the refinements herein described in which said means include a plurality of angularly movable members arranged at the top of said apparatus and connected, at points spaced from their centers of turning, severally to said pressure units, and a corresponding plurality of angularly movable members arranged at the bottom of said apparatus, said last-mentioned members providing, at points spaced from their centers of turning, means for severally securing the ends of said cables, and means severally interconnecting said angularly movable



members for movement in pairs, each of which includes one of said angularly movable members at the top of the apparatus and one of the angularly movable members at the bottom of the apparatus, whereby the tension stresses in said cables are resolved into compressive stresses effective upon said hydraulic units and equalized.

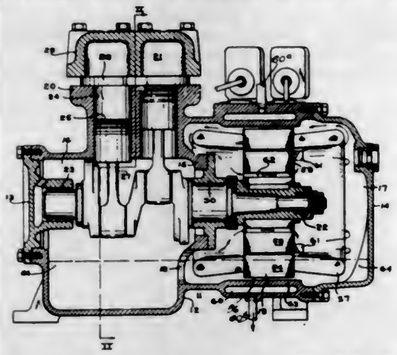
2,180,492
AIR CUSHION RAIL TRUCK
William J. Wilson and Ernest F. Dohe, Omaha, Nebr.
Application November 29, 1937, Serial No. 177,037
3 Claims. (Cl. 105—208.1)



1. In a rail truck of the character described, inflatable resilient casings interposed between the load carrying and the load supporting elements at opposite sides of a car; a pressure controlling connection between the casings and the air brake line; an auxiliary reservoir for each casing, a valve controlled connection between each resilient casing and its respective reservoir, the reservoirs normally being in communication with their respective casings, and air pressure controlled means whereby the communication between a casing and its reservoir is interrupted when the pressure on said casing exceeds the pressure on the opposite casing, said means being adapted to establish communication between the casing and its reservoir when said excess pressure on the casing has been relieved.

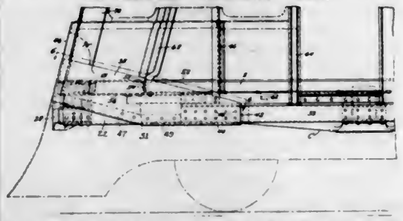
2,180,493
REFRIGERATION APPARATUS AND METHOD
Edward R. Wolfert, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1938, Serial No. 205,350
15 Claims. (Cl. 62—115)

5. The method of cooling the motor of a motor-compressor unit contained in a sealed casing which is in communication with the low pressure side of a refrigerating system operating at variable refrigeration loads, which method comprises circulating, with a circulating device, low pres-



sure refrigerant gas in contact with the motor, and increasing and decreasing the amount by weight of gas circulated and, therefore, its cooling effect in response to increases and decreases in refrigeration load and, therefore, motor load.

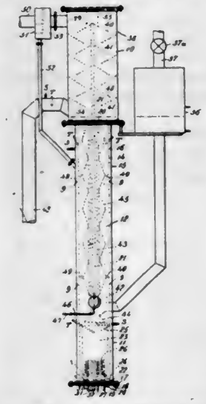
2,180,494
END CONSTRUCTION FOR RAILWAY CARS
Joseph C. Abel, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 15, 1937, Serial No. 148,257
16 Claims. (Cl. 105—414)



1. In a railway power car having propelling machinery mounted therein, the combination of an integral machinery bed casting terminating inwardly of the car end, side sills spaced outwardly of the bed casting, a draft pocket casting located adjacent the end of the car and spaced longitudinally from said bed casting, and means rigidly connecting said sills and castings and forming with said sills and castings a substantially closed box-section end forwardly of the bed casting.

2,180,495
RECOVERY OF SULPHUR DIOXIDE
Raymond F. Bacon, Bronxville, N. Y.
Application May 18, 1938, Serial No. 208,551
9 Claims. (Cl. 261—111)

1. Apparatus for use in the absorption treatment of a gas containing sulphur dioxide with a liquid absorption medium of such character that a finely divided solid becomes precipitated therein during the cycle of absorption and release of sulphur dioxide, comprising an absorption chamber, a stripping chamber disposed at an elevation lower than the elevation of the absorption chamber, means for introducing a liquid absorption medium into the absorption chamber, means for contacting the gas to be treated by absorption with liquid absorption medium within the absorption chamber, conduit means connecting the interior of the absorption chamber with the interior of the stripping chamber permitting the flow of absorption medium from the absorption chamber to the stripping chamber by gravity, said conduit means being sufficiently steeply inclined and free of obstructions to enable gravity flow of the absorption medium with finely divided solids dispersed therein without local accumulation of such solids in said conduit, whereby said conduit means may accommodate flow of absorption medium therethrough without clogging due to accumulation of solids, means

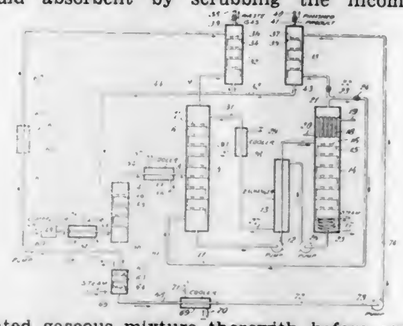


for stripping or liberating absorbed sulphur dioxide from absorption medium within the stripping chamber, means for collecting sulphur dioxide liberated in the stripping chamber, and means for returning absorption medium after liberation of absorbed sulphur dioxide from the stripping chamber to the absorption chamber, said returning means being sufficiently free of constrictions and pockets to enable return of the absorption medium with finely divided solids therein without local accumulation of said solids in said returning means, whereby said absorption medium may be returned to said absorption chamber without clogging of the returning means by accumulation of solids therein.

2,180,496
METHOD OF RECOVERING SOLVENT EMPLOYED IN THE SEPARATION OF ACETYLENE FROM GASEOUS MIXTURES
Frederick R. Balcar, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 30, 1937, Serial No. 156,463
7 Claims. (Cl. 260—679)

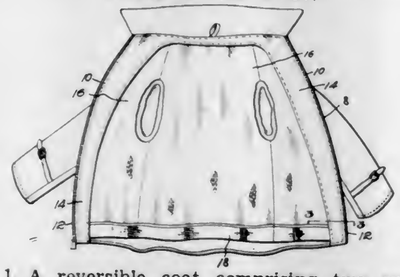
6. In the separation of acetylene from gaseous mixtures in which the gaseous mixture is brought into contact with a solvent capable of dissolving acetylene selectively from the gaseous mixture and the solvent containing dissolved acetylene subsequently is heated to liberate acetylene and the solvent from which the acetylene is liberated is returned for dissolving more acetylene; the improvement which comprises heating the gaseous mixture prior to bringing it into contact with the solvent, scrubbing the acetylene liberated from the solvent and the effluent gas which is not dissolved by the solvent with a liquid absorbent capable of dissolving the solvent and having a higher boiling point than the solvent

and separating the dissolved solvent from the liquid absorbent by scrubbing the incoming



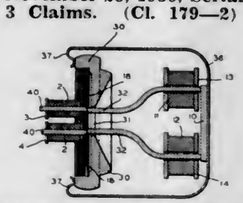
heated gaseous mixture therewith before separating acetylene therefrom.

2,180,497
COAT
David D. Barkin, Brookline, Mass.
Application February 20, 1939, Serial No. 257,386
2 Claims. (Cl. 2—97)



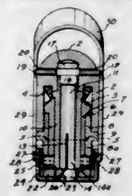
1. A reversible coat comprising two superposed shells, each having separable edges and the shells being united along said edges, means for securing together said edges operable in either portion of inversion of the coat, the lower portion of one of the shells embodying a resiliently expansible band anchored at its ends to said edges and otherwise substantially free from the overlying portion of the other shell, the band being normally shorter than said overlying portion and adapted to be tensioned about the body of the wearer when the edges of the overlying part of the shell are secured together.

2,180,498
TELEPHONE COUPLING DEVICE
James C. Barnes, White Plains, N. Y., assignor to Associated Press, New York, N. Y., a corporation of New York
Application November 25, 1936, Serial No. 112,686
3 Claims. (Cl. 179—2)



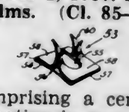
1. In a device of the character described, an electric circuit and a telephone system including receivers; means to connect said circuit to said telephone system, which includes a pair of magnets connected to said circuit, polepieces for magnets shaped to fit the opening in a receiver cap, and means for securing the first mentioned means to a telephone receiver so that said polepieces extend through the opening in said receiver cap and engage the diaphragm of said receiver.

2,180,499
CONTRA-ANGLE DENTAL HAND PIECE
Harold H. Beardsley, Denver, Colo.
Application October 3, 1938, Serial No. 232,947
6 Claims. (Cl. 32—27)



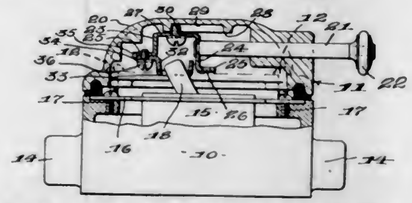
1. In a dental hand piece having a housing and a rotatable burr-shank chuck therein, a clamping ring slidable over the shank-receiving end of the chuck, a reciprocable but non-rotatable carrier for said ring and a lever fulcrumed on the housing and having an arm engaging and adapted to reciprocate said carrier to move said ring onto and off of the end of the chuck.

2,180,500
ATTACHING MEANS FOR COIL SPRINGS AND THE LIKE
Samuel S. Bernstein, Beverly Hills, Calif.
Application December 1, 1937, Serial No. 177,551
6 Claims. (Cl. 85—49)



1. A staple comprising a centrally apertured metal strip terminating in pronged end portions, said metal strip being bent back upon itself adjacent each end to form a substantially flat apertured top portion and two under portions, the pronged end portions being curved downwardly and outwardly.

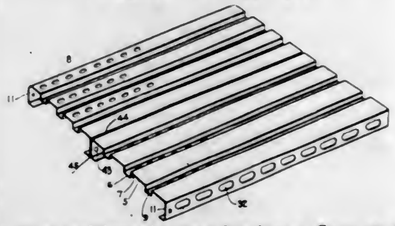
2,180,501
SWITCH ACTUATING MECHANISM
Robert A. Blood, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 224,349
5 Claims. (Cl. 200—172)



1. The combination of an enclosed switch housing having a cover, a switch mounted in the switch housing and having an operating handle, of means carried by the cover for actuating the handle of the switch to move the same into on and off positions, said means comprising a stem slidably mounted in the cover, a support member secured to the inner end of the stem and being provided with a plurality of surfaces arranged in different planes relative to the axis of said stem, a member cooperable with the handle of the switch and adapted to be interchangeably

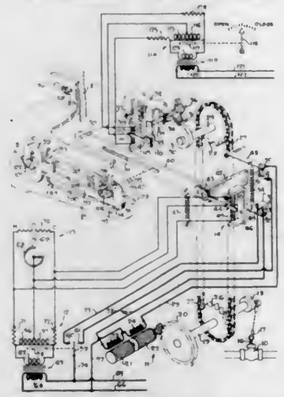
arranged on any one of said surfaces of the support, and means for detachably securing said member to any one of said surfaces.

2,180,502
REFRIGERATOR CAR FLOOR RACK
Charles David Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application December 12, 1936, Serial No. 115,516
7 Claims. (Cl. 105—375)



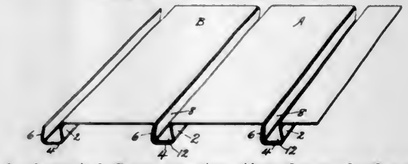
1. In a refrigerator car having a floor, a floor rack spaced above said floor to provide a flue therebetween and means to induce an air current in said flue, said rack comprising a metallic sheet formed with alternating upper and lower portions in spaced apart parallel planes connected by webs, one of said portions being provided with apertures, said sheet formed with a depending flange at each side margin thereof parallel with the webs which extend below the portions for engagement with the floor of the car, said flanges formed with reflanges, and cross members each having horizontal parts supporting said lower portions and other parts extending diagonally therefrom which are secured to said flanges at their junctures with the reflanges.

2,180,503
ADJUSTABLE FOLLOW-UP CONTROL SYSTEM
George D. Bower, Columbia Heights, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 6, 1937, Serial No. 141,112
9 Claims. (Cl. 172—239)



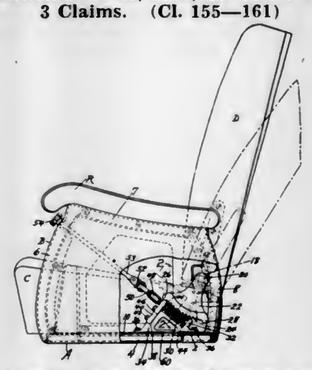
1. In a control system, the combination of a control means movable through a given range of movement, motor means for performing a function, follow-up means operated by the motor means, means controlled by the control means and the follow-up means for controlling the operation of the motor means to position the motor means in accordance with the position of the control means whereby the motor means is moved through a given range of movement upon movement of the control means through a given range, and means for mechanically adjusting the follow-up means to increase or decrease the range of movement of the motor means with respect to the range of movement of the control means and for maintaining any desired point of the range of movement of the motor means substantially constant.

2,180,504
METAL FLOOR CONSTRUCTION
George K. Bradfield, Hackensack, N. J., Allen W. Clarke, St. Charles, Mo., and Victor Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 9, 1937, Serial No. 119,724
8 Claims. (Cl. 189—34)



1. A metal floor construction formed of a plurality of interengaging metal sections and comprising, a first metal section having a substantially plane main body portion formed along at least one edge with an upwardly opening channel shaped portion, a second metal section having a substantially plane main body portion formed along at least one edge with an angular shaped portion having an outwardly directed flange, said flange being of such a width and form as to permit substantially vertical entrance thereof into the channel while maintaining said main body portions substantially parallel and said flanges undeformed, and means engaging a wall of said channel and said flange for locking said first and second metal sections together for relative horizontal movement of said main body portions.

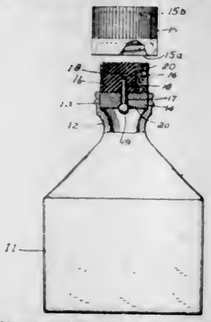
2,180,505
RECLINING SEAT MECHANISM
George K. Bradfield, Jr., Hackensack, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 15, 1937, Serial No. 148,251
3 Claims. (Cl. 155—161)



2. In a reclining seat, a base frame, end frames

secured to the base frame, a seat back pivotally supported between and by the end frames, and means for shifting said seat back on its pivotal support comprising a gear sector rigidly secured to and depending from the seat back, a worm rotatably supported by the base frame and arranged in meshing relation with the gear sector, and operating means supported by the end frame and connected with the worm for actuating the latter.

2,180,506
FLUID CONTROL FOR APPLICATORS
Henry C. Burbig, Ridgefield, Conn.
Application September 9, 1939, Serial No. 294,129
5 Claims. (Cl. 91—67.2)



1. An applicator for dispensing liquids, adapted for use at the mouth of a liquid container, comprising a closure for the mouth of the container having a recess for passage of the liquid, a resilient applicating medium seated on said closure; means for controlling the flow of liquid through the recess, which means are supported by the resilient applicating medium in the liquid controlling position whereby the liquid is normally controlled by the resiliency of the applicating medium, and the means moved to the non-controlling position by applying pressure to the resilient applicating medium.

2,180,507
CAR DOOR LOCKING DEVICE
John Christiansen and John B. D. Thompson, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 25, 1936, Serial No. 102,477
3 Claims. (Cl. 292—204)

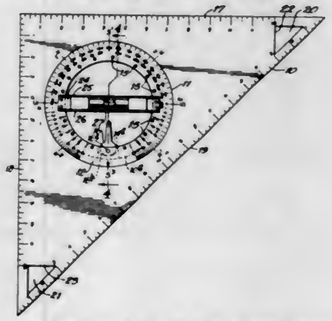


1. In a locking device for hinged door sections, guideways on each section and means for holding said sections against relative movement and for operating the sections to and from closed position comprising a handle member overlapping the hinged connection when in door holding position, said handle member being substantially U-shaped in plan and having one of its leg portions pivoted to one door section and its other leg portion provided with a retainer adapted to engage within the guideways, said handle member being shiftable out of engagement with the guideway on the adjacent door section and into engagement with the other guideway to permit swinging of the door sections on their hinge, and brace means joining the leg portion of said handle member together and adapted to overlap said guideways and hinged connection when said handle is in door locking position.

2,180,508
METHOD AND MATERIAL FOR MARKING LAUNDERED ARTICLES
John L. De Fraine, Brooklyn, and James Y. Smith, Mastic Park, Long Island, N. Y.; said Smith assignor to said De Fraine
No Drawing. Application June 20, 1934, Serial No. 731,576
8 Claims. (Cl. 250—81)

3. A material for marking laundry comprising a substantially clear or colorless lacquer as a vehicle, and a luminescent pigment carried by said lacquer, said lacquer and said pigment being substantially inert to heat and chemicals to which said laundry is subjected during laundering operations, and being substantially invisible under ordinary light when applied to laundry articles but visible under ultra-violet rays.

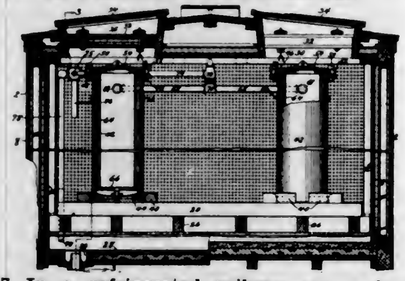
2,180,509
COMBINED SQUARE, LEVEL, PROTRACTOR, ETC.
Charles L. Dickson, Harvard, Ill.
Application November 19, 1938, Serial No. 241,444
7 Claims. (Cl. 33—89)



6. In an instrument of the class described, a flat body in the form of a right triangle presenting a straight uninterrupted edge along each of its three sides, the hypotenuse and at least one of the adjacent edges being graduated to display units of linear measurement, a circular member rotatably mounted within the plane of the body, a straight edge carried by said circular member and presenting its sides outwardly beyond the plane of the body and limited in length to rotate within the confines of the edges of the body, markings on said instrument for indicating the rotative positions of said straight edge, and a spirit-level carried by and set to read with the straight edge.

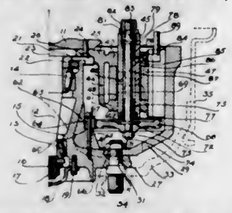
2,180,510
REFRIGERATOR CAR
William F. Dietrichson, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 15, 1937, Serial No. 163,952
13 Claims. (Cl. 62—91.5)

5. In a refrigerated railway car, a bunker holding water ice, a container arranged in said bunker and closed for pressure storage of solid carbon dioxide, and pressure relief means connected with the container and so formed as to be operative in response to predetermined pressure within the container to discharge carbon dioxide gas into the interior of the car.



7. In a refrigerated railway car, a bunker holding water ice, a solid carbon dioxide holding container arranged in the bunker, and means for venting carbon dioxide gas from the container into thermal contact with the water ice whereby to prolong the refrigerating effect of said water ice.

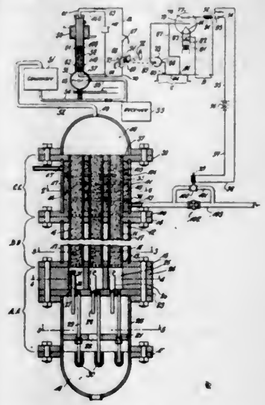
2,180,511
SPEEDOMETER DRIVE
Richard Farrell, Detroit, Mich.
Application December 21, 1937, Serial No. 181,044
19 Claims. (Cl. 74—12)



1. In a vehicle wheel of the type which is recessed to at least partly house an internal brake assembly, means supported by said brake assembly to drive a meter or the like, and means on said wheel within said recess to drive said latter means in accordance with the rotation of said wheel.

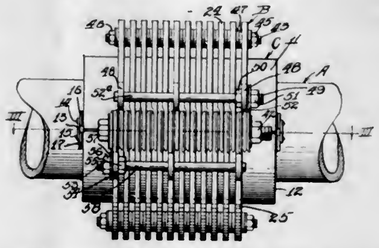
2,180,512
PROCESS AND APPARATUS FOR FRACTIONATING
Merrell R. Fenske, State College, Pa., assignor to The Pennsylvania Research Corporation, State College, Pa., a corporation of Pennsylvania
Application August 7, 1937, Serial No. 157,926
9 Claims. (Cl. 196—94)

1. A process for fractionating a mixture comprising, flowing said mixture in the vapor phase through a plurality of fractionating units countercurrently to a liquid phase while maintaining said fractionating units under adiabatic conditions, separately subjecting the rectified vapors produced by each individual fractionating unit to fractional condensation in an individual condenser to produce said liquid phase for said individual fractionating unit, combining the remaining uncondensed vapors to produce the product, and increasing and decreasing the volume of condensate formed by said individual condensers with increase and decrease of the temperature spread of said product about the desired value.



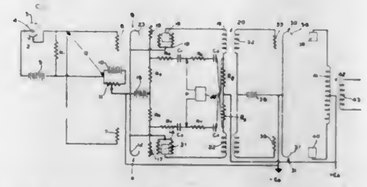
5. Apparatus comprising a plurality of individual fractionating units, an individual partial condenser for each fractionating unit, means common to said condensers for controlling the condensing capacity thereof, means for sampling the combined product produced by said individual fractionating units and partial condensers, and means for controlling said first mentioned means through said second mentioned means.

2,180,513
APPARATUS FOR RELIEVING STRESSES IN WELDS
Alfred P. Fugill, Ferndale, and Donald H. Corey, Grosse Pointe, Mich., assignors, by mesne assignments, to Kuhlman Electric Company, Bay City, Mich., a corporation of Michigan
Application July 27, 1936, Serial No. 92,786
1 Claim. (Cl. 219—13)



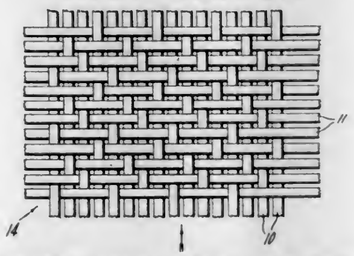
A multi-turn coil having each turn formed of a pair of arcuate sections of flat conducting material laid sidewise and pivotally connected to each other at one end and connected by a common pivot to other turns of said coil, the free ends of one group of sections forming the coil being each apertured to receive a rod, a rod entered through the apertures and connected with means maintaining the said free ends in spaced rigidly assembled and insulated relation to each other and to the rod, the free ends of another group of sections being each provided with a slot, and being held assembled in spaced and insulated relation to define a plurality of switch blades movable into sliding contact with desired free ends of said one group and into guided engagement with said rod.

2,180,514
MODULATION SYSTEM
Alfred S. Gano, New York, N. Y., assignor to Associated Press, New York, N. Y., a corporation of New York
Application July 6, 1937, Serial No. 151,988
2 Claims. (Cl. 179—171.5)



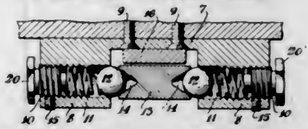
1. In a modulator for picture transmission systems for the purpose of obtaining a high ratio of side band output to carrier output and at the same time suppressing the signal in the output, a source of signal current, a pair of vacuum tubes, each having an anode, a cathode and a plurality of grids, including a screen grid; a circuit connecting a grid in each tube to the same pole of said source of signal current, a circuit connecting the opposite pole of said signal source to the cathodes of said tubes; a pair of circuits each connecting a screen grid of one tube with the anode of the opposite tube, an oscillator having opposite output terminals connected to each of the last mentioned circuits, an output circuit connecting said anodes, and means including resistances and condensers in said pair of circuits balanced so that substantially no oscillator current flows in said output circuit.

2,180,515
ASBESTOS FABRIC COVER FOR IRONING SURFACES
Boutwell H. Foster, Maplewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 15, 1938, Serial No. 230,057
2 Claims. (Cl. 139—420)



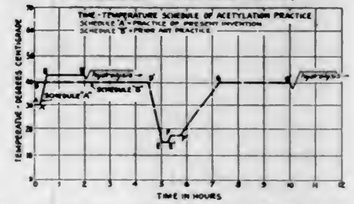
1. A single ply asbestos fabric cover for ironing surfaces having a life two or more times that of the cotton covers for ironing surfaces now in use, comprising a broken twill fabric having at least a 75% asbestos content and formed of nearly the same number of single end asbestos warp threads and single end asbestos weft threads united in a broken twill weave having the sum of at least 50 longitudinal and transverse asbestos thread counts to the square inch and a weight of not more than 24 ounces per square yard, to thereby provide an asbestos fabric having an ironing surface that is sufficiently smooth to mark the goods being ironed less than they are marked by the cotton duck covers now used upon commercial laundry machines for ironing home laundry.

2,180,516
LOCKING DEVICE
Charles L. Gehnrich, Elmhurst, N. Y.
Application February 11, 1939, Serial No. 255,887
5 Claims. (Cl. 292—340)



1. A locking device for oven doors or the like having a locking bolt thereon, said locking device comprising a bracket having spaced uprights extending outwardly from the plane of said door to receive said bolt therebetween, a keeper for said bolt positioned between said uprights, and releasable means carried by said uprights normally holding said keeper in position but permitting said keeper to be released in response to a predetermined opening pressure on said door.

2,180,517
MAKING CELLULOSE DERIVATIVES
Lionel Elmer Goff, Alton, Ill., assignor to The Cellulose Research Corporation, East Alton, Ill., a corporation of Delaware
Application November 28, 1936, Serial No. 113,155
2 Claims. (Cl. 260—227)

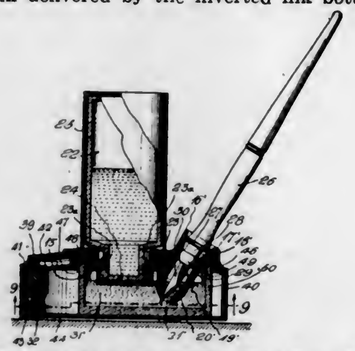


1. In the manufacture of purified wood cellulose suitable for the production of chemical derivatives, the process of converting unbleached sulphite wood fibres into a permeable network of activated cellulose which comprises removing the ligneous material by treatment of the fibres with an amount of chlorine that is exhausted in the order of 20–30 minutes, removing the reaction products with dilute alkali, removing oxidizable material by a hypochlorite bleach, terminating the bleach having a pH greater than 7.4 before the cellulose is substantially degraded, and rendering the residual membranous material permeable by boiling in sodium hydroxide solution of the order of 7% concentration.

2,180,518
DESK SET
Carey Garfield Gregory, Los Angeles, Calif.
Application June 10, 1938, Serial No. 213,056
8 Claims. (Cl. 120—59)

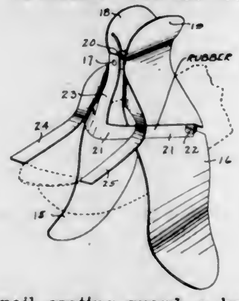
1. A desk set having a base structure formed by a pair of coacting, coextensive and interengaging members, one of said members having means for supporting an ink bottle in inverted position and having a dip pen guide extending there through, the other of sa'd members having a container for ink formed integrally therewith eccentric with respect to said base structure and having an area substantially less than the area

of said member, said container providing a pool for ink delivered by the inverted ink bottle for



supplying ink to a dip pen inserted through said dip pen guide.

2,180,519
NAIL COATING STENCIL
Francis F. Hamilton and Arthur R. Lundquist, Miami, Fla.
Application June 30, 1938, Serial No. 216,771
16 Claims. (Cl. 132—73)

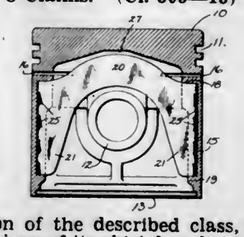


1. In a nail coating guard, a body having a bore therethrough to receive a nail carrying member for alignment, a nail contacting member shaped to limit the extent of the pattern of coating desired on the nail, and means for yieldingly retaining the contacting member against the nail, said body comprising a pair of clamp members defining said bore therebetween and hinged and normally swung together by a spring, and said contacting member comprising an elastic band interconnected with the clamp members to be stretched therebetween upon separation of the clamp members, whereby those clamp members may engage the nail carrying member and have said band stretched over the nail.

2,180,520
PROCESS FOR THE SEPARATION OF NICKEL FROM COPPER
Guenther Hamprecht and Gustav Pauckner, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 1, 1939, Serial No. 265 604. In Germany April 7, 1938
2 Claims. (Cl. 75—119)

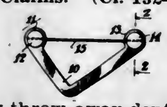
1. In a process for the separation of nickel from copper contained in nickel-copper matte by treating the said matte with copper chloride solution with the formation of nickel chloride and cuprous chloride and converting the cuprous chloride with chlorine into cupric chloride and employing the solution thus obtained for the treatment of further amounts of nickel-copper matte, the steps which comprise dividing the nickel chloride-cuprous chloride solution obtained by treating the nickel-copper matte with cupric chloride solution, and re-forming in one part of the said nickel chloride-cuprous chloride solution by treatment with chlorine the cupric chloride necessary for the treatment of further amounts of nickel-copper matte, and precipitating from the other part of the solution the copper by the action of nickel-copper matte.

2,180,521
PISTON
William S. Harley, Milwaukee, Wis., assignor to Harley-Davidson Motor Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 8, 1937, Serial No. 178,675
8 Claims. (Cl. 309—13)



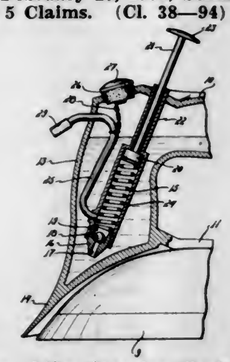
7. A piston of the described class, having the bearing portions of its skirt free from direct connection with the piston head and cross connected by a thin web having a relatively low co-efficient of expansion marginally anchored to the bearing portions substantially throughout their vertical length, said web being intermediately unconnected with any other portions of the piston, and adapted to resiliently yield sufficiently to allow the anchored portions to impose predetermined resistance and form maintaining stresses upon the bearing portions during expansion and contraction of the piston.

2,180,522
DENTAL FLOSS THROW-AWAY UNIT AND METHOD OF MAKING SAME
Isabelle Henne, Brooklyn, N. Y.
Application November 1, 1938, Serial No. 238,287
12 Claims. (Cl. 132—91)



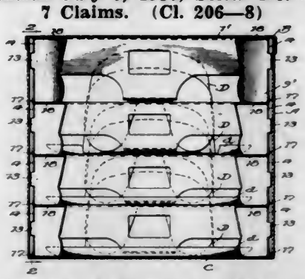
1. A sanitary throw-away dental unit comprising a sterilized miniature bow shaped framework formed of plasticizable material, the arms of said bow being resilient and normally spaced apart at a distance slightly greater than the length of the span of a standard unit leng h of dental floss, a unit length of sterilized dental floss extending between the tips of said bow, the bow being small enough to be inserted in the mouth with the sterilized dental floss engageable in the space between adjacent teeth, and means comprising Celluloid plastic wherein the opposite ends of the length of dental floss are embedded, said plastic being operable when set hard to anchor the ends of said dental floss to said bow tips so as to retain said dental floss under tension at all times between said bow tips when the latter are allowed to return to their normal position.

2,180,523
SMOOTHING IRON RESERVOIR
Frank J. Horton, Detroit, Mich.
Application February 10, 1937, Serial No. 125,056
5 Claims. (Cl. 38—94)



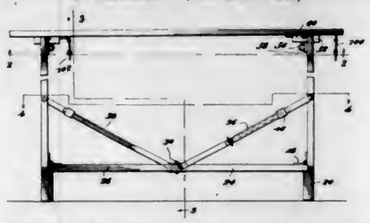
1. A device of the class described, adapted for use with a smoothing iron comprising: a hollow handle-forming portion; means for mounting said portion on and in spaced relation to the iron with which used; a chamber communicating with one end of said handle-forming portion and projecting downwardly therefrom at the forward end thereof; a delivery conduit projecting forwardly from said chamber for conducting water therefrom; means for forcing water from said chamber outwardly of said delivery means; a shield projecting downwardly of and outwardly from said chamber-forming portion and adapted for overlying and covering the forward portion of the iron and serving as a deflecting member for deflecting drops of water dropping from said delivery conduit.

2,180,524
HAT PACKING STAY AND COMBINATION THEREOF WITH A HAT BOX
Joseph G. Huye, New Orleans, La.
Application July 6, 1937, Serial No. 152,218
7 Claims. (Cl. 206—8)



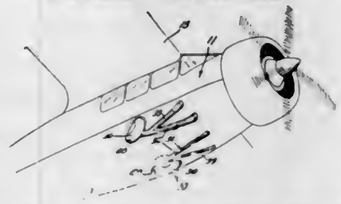
1. A storing and shipping package comprising a tubular box body, a bottom closing the lower end of said body, in combination with a plurality of packing stay units and a plurality of hats, said hats and stay units being arranged in alternation in nested superposed stack relation in said box, each said stay unit comprising a collapsible packing stay formed with a large central opening to receive a hat crown and a pair of hat crown guards interlocked with said stay and disposed in said opening between the wall edge defining the same and the opposed face of said hat crown, each said stay in erected condition comprising an upper supporting body, upwardly inclined side flanges depending from said body, movement limit stops extending from said flanges to points closely adjacent the hat brim immediately below said body to limit the movement of the said hat brim toward said body, corner flange portions integral with said side flanges and extending appreciably below said side flanges at points beyond said hat brim to provide a clearance for the same and to rest on the immediately below supporting surface beyond said hat brim, and means for locking said flanges in erected condition, each said stay being of such size and shape as to contact the opposed internal face portions of the box with which it is used at such points as will suffice to prevent substantial shifting movement of the stack or any portion thereof in a direction perpendicular to the axis of the stack, the lower stay resting directly on the upper face of the box bottom and the remaining stays resting directly on and being supported by the upper faces of the respective next lower stays, and the combined height of said stays as arranged in stack relation being substantially equal to the distance between the upper face of the box bottom and the lower face of the box top, and said box top being substantially in engagement with the upper end of said box body.

2,180,525
TABLE
George V. Ingram, Oakland, Calif.
Application March 28, 1938, Serial No. 198,574
3 Claims. (Cl. 311—92)



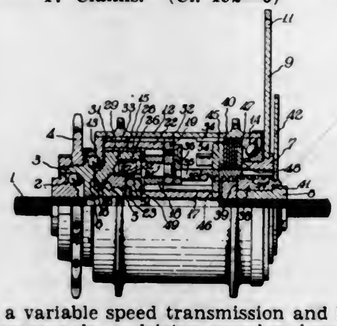
1. A table of the class described comprising, a pair of legs, foldable means for bracing said legs when in unfolded position, a central leaf, means for securing said central leaf on the upper end of said legs, side leaves, means for securing said side leaves adjacent the side of said central leaf to form a top, said bracing means upon being folded supporting said legs in juxtaposed position, said side leaves being adapted to be disposed adjacent one another and placed against the outer side of one of the legs, the central leaf being disposed adjacent the outer side of the other leg, and means secured to the inner sides of the outer leaves and the inner side of the central leaf securing said aforementioned parts together.

2,180,526
RETRACTABLE LANDING GEAR
George E. Johnsen, Phoenix, Ariz.
Application January 25, 1938. Serial No. 186,845
2 Claims. (Cl. 244—102)



1. In an airplane, a retractable landing gear comprising: a landing wheel; a leg structure on one end of which said wheel is mounted; means for pivotally mounting the other end of said leg structure on said airplane on a biased axis inclined inwardly and downwardly relative to the transverse axis of said airplane, the inclination of said axis rendering said structure swingable to shift said wheel from a rearwardly, upwardly and centrally located retracted position and a forwardly, downwardly and laterally outwardly disposed extended position; and mechanism for effecting the movement of said structure and said wheel between said two positions.

2,180,527
TRANSMISSION
Burr W. Jones, Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 28, 1937, Serial No. 161,504
17 Claims. (Cl. 192—6)



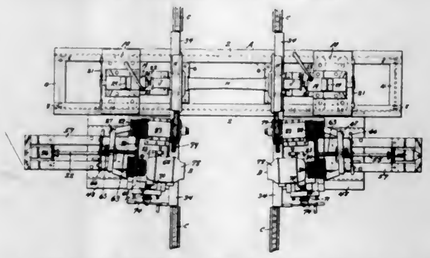
1. In a variable speed transmission and brake, a stationary axle, a driving member journalled thereon, a transmission member having an overrunning clutch connection therewith, an anchor member fixed on said axle, a wheel hub rotatably mounted on the driving and anchor members, means comprising planetary gearing for connecting the transmission member to rotate the hub, including a sun gear slidably mounted on the axle, brake means for frictionally connecting the hub and anchor member, and means whereby backward rotation of the driving member causes longitudinal movement of the sun gear to control the brake means.

2,180,528
SPARK PLUG
Armen A. Kasarjian, Jackson Heights, Long Island, N. Y.
Application September 9, 1933, Serial No. 688,710
4 Claims. (Cl. 123—169)



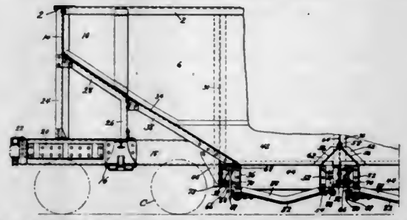
1. A spark plug with electrodes having a large area of sparking surfaces composed of a center electrode having a surface, the intersection of which with any plane passed thru the axis of the plug is a straight line, and a side electrode having a similar surface spaced from the first surface a distance substantially equal to the desired spark gap.

2,180,529
GRINDING MACHINE
Theodore C. Kaseberg, Granite City, Ill., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 5, 1937, Serial No. 146,531
12 Claims. (Cl. 51—48)



1. In a machine for grinding the treads of railway wheels assembled on their axles, the combination of a pair of spaced center bearing spindles adapted to engage the axle centers of the wheel and axle assembly, track along which the assembly may be rolled into and out of the machine, a gap in said track substantially in vertical alignment with the center bearing spindles, means positioned in the gap for rotating the assembly upon the axle centers, and grinder means movable into engagement with the wheel tread for grinding the same.

2,180,530
DROP BOTTOM RAILWAY CAR
Adolph Kassler, New York, N. Y., and Robert A. Shields, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 7, 1937, Serial No. 152,438
16 Claims. (Cl. 105—253)



1. In a railway car of the drop bottom type the combination of plate girder side walls supported at their ends by wheel and axle assemblies, hopper sheets connected to the side walls and sloping downwardly to form a discharge opening between the side walls, and a door for closing the opening and hinged to rotate downwardly about an axis extending transversely of the car, said door being supported by the girder side walls independently of the hopper sheets.

2,180,531
CARRIAGE
Samuel Kroll and Nathan J. Kroll, Chicago, Ill.
Application August 18, 1937, Serial No. 159,683
19 Claims. (Cl. 280—47)

1. In a device of the class described, a back rest

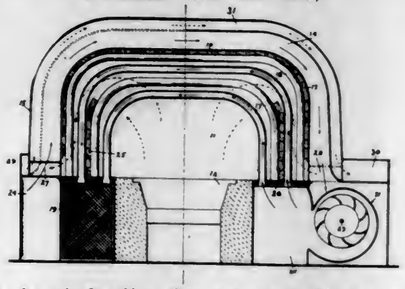
mounted for pivotal movement about a horizontal axis, a footwell and means mounting the same for pivotal movement about a horizontal axis and also for horizontally sliding movement, means for automatically latching said back rest in a desired position, and mechanism arranged for operation by movement of said footwell in a particular direction for effecting driving connection with said back rest and effective by continued movement of said footwell in said particular direction to raise said back rest, said back rest being movable into adjusted position independently of the aforesaid mechanism.



2,180,532
AIR HEATING SYSTEM

Leif Lee, Youngstown, Ohio; Halfdan Lee executor of the estate of said Leif Lee, deceased

Application December 18, 1936. Serial No. 116,523
8 Claims. (Cl. 126—110)



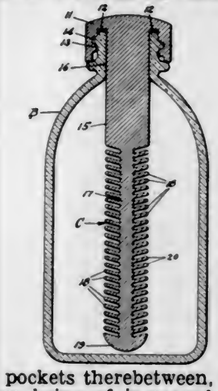
1. An air heating furnace comprising a combustion chamber having spaced side walls and an arched roof, heating ducts comprising inverted U-shaped tubes positioned within said chamber and conforming to the curvature of the roof, a retort positioned in the center of said chamber between the vertical portions of said tubes, an insulating baffle wall extending between said side walls at either end of said chamber, said walls so positioned that the vertical portions of certain of said tubes are between the walls and the outer end walls of the chamber, the vertical portions of the other of the tubes being positioned between said walls and the retort, means forcing air through said tubes, and means to draw off the products of combustion from said chamber comprising a plurality of laterally and evenly spaced ducts connecting with the end walls of the chamber in a common horizontal plane adjacent the bases of the insulating baffle walls.

2,180,533
APPLICATOR

Edmund J. Leffler, Glendale, Calif.

Application April 24, 1939, Serial No. 269,704
1 Claim. (Cl. 128—267)

An applicator comprising a stem, and plurality of annular disk-like flanges surrounding and supported by said stem in closely spaced relation to one another and being inclined upwardly and outwardly from the stem for forming a plurality



of annular pockets therebetween, the end flange on said stem being of increased thickness and rounded on its outer face.

2,180,534
CLASP OR COUPLING DEVICE FOR BRACELETS, CHAINS, NECKLACES, AND THE LIKE

Arthur H. Levesque, North Attleboro, Mass., assignor to R. F. Simmons Company, Attleboro, Mass., a partnership consisting of Harold E. Sweet and Hayward H. Sweet

Application February 18, 1938, Serial No. 191,217
4 Claims. (Cl. 24—241)



4. A clasp for wrist-watch bracelets, bands, necklaces and the like comprising a channel-shaped body-member having a bottom wall, side walls and an open top, said body-member having slots in its side walls adjacent one end to receive the bail of a terminal member and a transverse wall adjacent its opposite end generally curved between the upper and lower edges of the side walls, a catch pivoted intermediate its ends between the side walls of the body-member and having a top portion at one side of its pivot adapted to overlie the slots in the side walls of the body-member to retain the loop of the terminal member therein, said catch being rockable to move its top portion into the body-member to open the slots and having depending side walls with curved edges engageable with the edge of the transverse wall and the bottom wall of the body-member to retain the catch in its closed position overlying the slots therein, and a cover hinged to the end of the body-member adjacent the slots and having a curved lip at its free end adapted to snap over the curved end wall of the body-member to retain it in closed position thereon.

2,180,535
METHOD OF MAKING VARNISHES HAVING HIGH PARAFFIN HYDROCARBON TOLERANCE AND THE PRODUCT THEREOF

Evart E. Mayfield, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

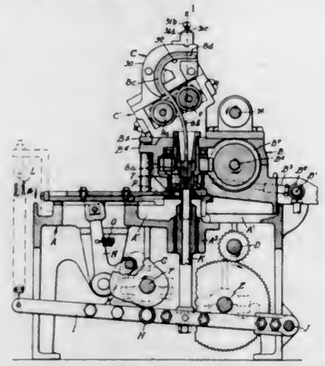
No Drawing. Application December 2, 1937,
Serial No. 177,826
16 Claims. (Cl. 134—26)

1. The method of making a varnish, containing a paraffin hydrocarbon-insoluble resin derived from pine wood, having a substantial tolerance for a paraffin hydrocarbon, liquid at ordinary temperatures, which includes the step of cooking together at a temperature from about 565° F. to about 600° F. said resin, an oil selected from the group consisting of drying oils and semi-drying oils and a compound of a metal selected from the group consisting of zinc, lead, tin, manganese, cobalt, and mixtures thereof, said compound being characterized by substantial reactivity with the oil-resin mixture at temperatures of cooking.

2,180,536
MACHINE FOR THREADING NUTS

John J. McLaughlin, North Tonawanda, N. Y., assignor to Buffalo Bolt Company, North Tonawanda, N. Y., a corporation of New York

Application September 10, 1938, Serial No. 229,367
18 Claims. (Cl. 10—139)

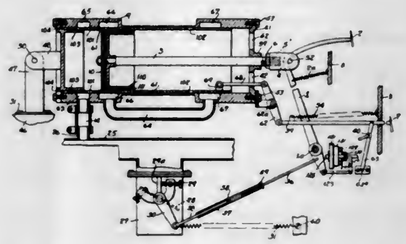


1. A nut threading machine including frame members formed with an open drainage depression for lubricants and chips; a bridge piece across said depression forming a support for lateral supply of nut blanks; a lateral plunger for pushing blanks over an upward opening in said bridge piece; a plunger reciprocating upwardly through said opening for pushing said blanks upward; and a stationary support carrying a rotary chuck above and in alignment with said pusher, its periphery rotating above one edge of said bridge piece, the bottom of the chuck and the adjacent edge of said bridge piece being correlatively sloped downwardly away from the chuck opening to permit free escape of lubricant and chips; said support having passages for supplying lubricant to the chuck, and said chuck having nut rotating elements in the form of fingers extending downwardly, with wide spaces between them for lubricant from said supply passages; a tap which is centered in the axis of rotation of said chuck fingers by nuts being threaded on the tap, and which has an upwardly extending shank having an intermediate portion inclined away from the axis of the chuck and on which the nuts are exposed for open down-drainage of lubricant and chips; power driven means for successively lifting the exposed nuts at rates substantially greater than the rate at which they are propelled by nuts screwed upward on the tap; said shank having also an upper portion that is reversely curved to an approximately horizontal portion crossing the axis of the chuck, and which is floatingly supported and prevented from rotation by a train of threaded nuts sliding thereon and slidingly engaging a similarly curved stationary guideway; support portions of said guideway between the reversely curved part and the part that crosses the axis of the chuck being intersected by an interior passage affording free down-drainage for lubricants and chips.

2,180,537
MOTOR VEHICLE CLUTCH CONTROL MECHANISM

James H. K. McCollum and Henry J. De N. McCollum, Evanston, Ill.

Original application January 17, 1931, Serial No. 509,310. Divided and this application April 23, 1936, Serial No. 76,054
24 Claims. (Cl. 192—.01)

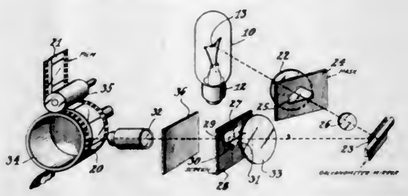


1. Apparatus of the character described comprising a fluid pressure power device having means responsive to differential pressure therein connected to the operative member of a motor vehicle clutch having a normal bias to operative position, and a control valve mechanism operative to one position for establishing differential pressure in said power device and to another position for releasing said power device to permit the clutch to return to normal position, said valve mechanism being provided with a port controlled by the differential pressure responsive means of said power device and operative thereby for retarding movement of the clutch elements as they approach operative position.

2,180,538
INCANDESCENT FILAMENT AND LAMP

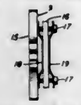
Gjon Mili, Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 13, 1937, Serial No. 125,548
7 Claims. (Cl. 176—16)



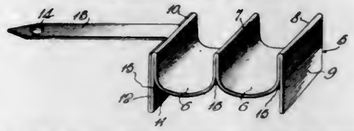
1. A lamp having an incandescible tungsten coil filament slightly bent into an arc of less than 90°, and having substantially straight end portions, supplemental coils formed of a metal of lower melting point than tungsten enclosing over said end portions, leading-in conductors, and said coil covered end portions welded to said leading-in conductors in order to provide a greater radiating area for said end portions and to reduce the operating temperature at the welds.

2,180,539
RELAY
Daniel D. Miller, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1936, Serial No. 71,237
2 Claims. (Cl. 175—345)



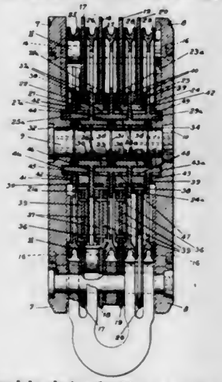
2. In an electromagnet having a core, an armature cooperating with said core and front and back stops for limiting the movement of said armature, an inertia element supported on the free end of said armature for absorbing the energy stored in said armature to prevent the rebound thereof when it engages either said front or said back stops, said element comprising headed studs carried by said armature, a bar slidably supported on said studs and a pair of leaf springs engaging said studs for positioning said bar on said studs.

2,180,540
BUN SERVER
Robert H. Moebus and Jeanne V. Moebus, Omaha, Nebr.
Application December 21, 1938, Serial No. 247,115
3 Claims. (Cl. 65—53)



1. A sandwich server comprising a length of sheet metal bent upon transverse lines to provide a series of trough-like sandwich-holding members joined to each other in edge-to-edge relation, the metal being bent downwardly from the outer edges of the endmost of said members to provide supporting legs therefor, the metal being bent upwardly from the lower end of one of said legs and extending outwardly therefrom to form a handle.

2,180,541
MULTIPLE SHEAVE BLOCK CONSTRUCTION
Harry Talmage Nichols, Los Angeles, Calif.
Refiled for abandoned application Serial No. 485,275, September 29, 1930, renewed November 6, 1934. This application June 19, 1935, Serial No. 27,415
21 Claims. (Cl. 254—192)



1. A sheave block including a plurality of rigidly connected spaced apart plates, sleeves carried by said plates, a set of sheaves each sheave member of which has cylindrical extensions formed on either side and at the axial center thereof and operatively supported within adjacent sleeves, and a second set of sheaves each sheave member of which has its web disposed to abut adjacent ends of cylindrical extensions of adjacent sheaves of the first said set of sheaves and has cylindrical extensions at its axial center rotatably contained within some of the first said cylindrical extensions of the first said set of sheaves for relatively independent rotation with respect thereto.

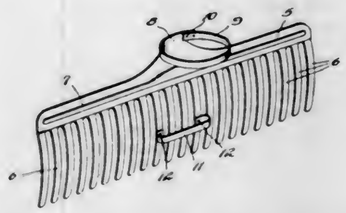
2,180,542
GLUE BASE
George H. Osgood, Tacoma, Wash.
No Drawing. Application November 27, 1937, Serial No. 176,869
5 Claims. (Cl. 134—23.8)

4. As a substitute for protein of the class consisting of milk casein, blood albumin and egg albumin, to be used as a solid adhesive element of a glue base with an aqueous alkaline medium, a composition consisting essentially of said protein and hulls separated from seeds and rich in hemicellulose, said hulls being impregnated with said protein in precipitated condition.

2,180,543
CASEIN GLUE
George H. Osgood, Tacoma, Wash.
No Drawing. Application April 26, 1938, Serial No. 204,349
5 Claims. (Cl. 134—23.9)

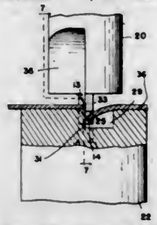
1. A wood veneer casein glue having the desired body and working life, adapted to form a bond of the desired strength and water resistance, and comprising an admixture of an aqueous alkaline medium, isolated milk casein and sodium formaldehyde bisulphite, as separate ingredients, the amount of the water being at least four (4) times the amount of the casein by weight, whereby the amount of said sodium formaldehyde bisulphite may be at least about two and three-quarters percent (2¾%) to three percent (3%) of the amount of casein by weight.

2,180,544
ARM RAKE AND CARRIER
Alfred Nissen, Lake Forest, Ill.
Application December 2, 1937, Serial No. 177,703
4 Claims. (Cl. 294—49)



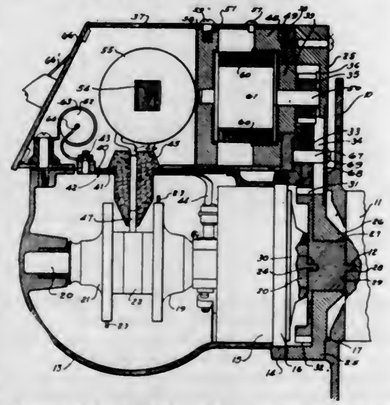
1. An arm rake and pickup comprising a header having a plurality of teeth extending therefrom, an arm loop on the back of the header opposite the teeth, a finger grip attached to spaced teeth at the back thereof and adapted to be engaged by fingers of a user's arm inserted through the loop for use as a pickup.

2,180,545
APPARATUS FOR TAPPING SHEET METAL
John H. Parsons, Pontiac, and Robert M. Powell, Detroit, Mich.
Application November 13, 1936, Serial No. 110,572
7 Claims. (Cl. 153—2)



1. Means for punching, shearing and forming sheet material to impart a desired configuration thereto, comprising cooperating male and female members, the former having a punch portion and a shearing blade of substantial but definitely limited thickness intersecting and extending outwardly from the punch portion, the female member having a substantially flat work-backing rim, a die opening adapted to receive such punch portion and a countersunk area extending partly around the die opening between such die opening and the rim, a substantially flat and segmental land substantially co-planar with the rim of the female member and extending inwardly to the die opening, said land having a cooperating shearing edge positioned in operative alignment with one face of the shearing blade, said rim having a circumferentially extending cut out area substantially wider than the thickness of the shearing blade, into and from which the blade is reciprocable, one side of the cut out portion being defined by said shearing edge, whereby excess free bending of the work due to the thickness of the blade may occur in said cut out area without obstruction by the female member.

2,180,546
MAGNETO ATTACHMENT
August Victor Pellet, Chicago, Ill.
Application January 30, 1939, Serial No. 253,559
12 Claims. (Cl. 123—149)

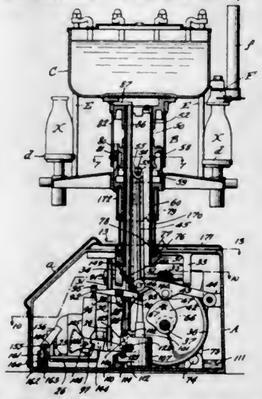


1. A magneto attachment for ignition systems having a distributor housing secured to an engine with a removable driving connection between a rotating part of the distributor and a shaft of the engine comprising a bracket adapted to be mounted between the housing and the engine, a driving element carried by said bracket and engageable by said shaft for rotation therewith, a magneto carried by said bracket and means for driving said magneto from said driving element.

2,180,547
WOOD VENEER GLUE
Russell G. Peterson, Tacoma, Wash., assignor to George H. Osgood, Tacoma, Wash.
No Drawing. Application September 7, 1938, Serial No. 228,796
14 Claims. (Cl. 260—9)

1. A glue having a consistency adapting it to be mechanically applied by rolls and comprising the combination of an artificial-resin partial condensation product and cellulosic flour in combination with a nitric acid salt of a member of the class consisting of sodium and potassium.

2,180,548
PACKAGE ADVANCING MECHANISM
Thorvald Petersen, Erie, Pa., assignor to R. G. Wright & Company, Buffalo, N. Y.
Application April 21, 1937, Serial No. 138,138
28 Claims. (Cl. 226—76)



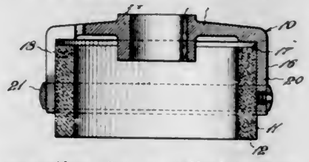
18. In a bottle filling and capping machine, the combination of a housing, a pillar extending upwardly from said housing, bottle filling and capping devices mounted on the upper end of said pillar, a table mounted to rotate about said pillar and to move vertically thereon, mechanism in said housing for raising and lowering said table and for imparting rotary motion thereto, a motor for operating said mechanism, a releasable driving connection between said motor and said mechanism, means operated by said mechanism for interrupting said driving connection, and means for reestablishing the driving connection after bottles have been filled and capped.

21. A bottle filling and capping machine, including a housing, a pillar rigidly secured to said housing and extending upwardly therefrom, a bottle supporting table having a cylindrical bearing on the exterior of said pillar, a sleeve journalled about the lower portion of said pillar and movable at intervals through a portion of a revolution and having parts adapted to engage with a part of the bearing of said table when said table is in lowered position to impart rotary movement thereto, and interlocking parts on a fixed part of the machine and another portion of said table bearing which move into engagement when said table is raised to prevent rotation of said table when out of engagement with said sleeve.

2,180,549
DENTURE
Charles H. Prange, Lyndhurst, N. J., assignor to Austenal Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 28, 1938, Serial No. 198,491
5 Claims. (Cl. 32—2)

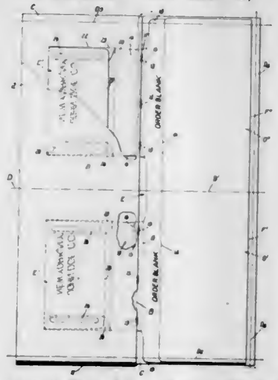
1. As a new article of manufacture, a denture comprising an alloy having cobalt as the principal constituent and containing chromium from approximately ten per cent to approximately forty per cent and molybdenum over five per cent and not exceeding approximately twenty per cent, said denture having the characteristic of slight shrinkage in solidifying.

2,180,550
MOUNTING FOR A GRINDING WHEEL
Joseph M. Redinger, Johnston, R. I.
Application February 5, 1938, Serial No. 188,863
4 Claims. (Cl. 51—209)



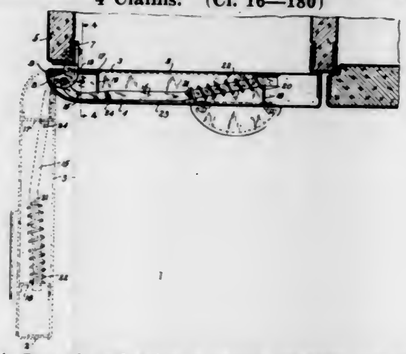
1. A mounting for a cylinder type grinding wheel comprising a cup-like structure having a cylindrical wall adapted to be moved inwardly to receive and extend along the cylindrical surface of the wheel in contact therewith, and releasable means comprising an abutment and a member carried by said wall and adjustable outwardly relative thereto against said abutment for forcibly moving said wall inwardly whereby a grinding wheel when positioned within said wall may be engaged thereby and secured in different adjusted positions with the edge of the wheel projecting therebeyond.

2,180,551
PRINTED PUBLICATION
Victor J. Sawdon, Bronxville, N. Y., and Arthur E. Brigham, Worcester, Mass.
Application January 5, 1937, Serial No. 119,062
6 Claims. (Cl. 281—3)



1. In a printed publication, the combination with a conventional printed signature component, of a composite signature component bound therewith and comprising a complete envelope element and an order blank element respectively adjoining each other in the region of the line of binding by which said signatures are fastened together, the order blank extending a substantial distance, heightwise, beyond the envelope in at least one direction and formed with an aligning and positioning edge to space the envelope from the upper and lower boundaries of the publication, said composite signature component including an intermediate binding zone integral with the envelope and order blank elements and attached to the publication, said binding zone being formed with perforations to facilitate separation of said elements from the publication.

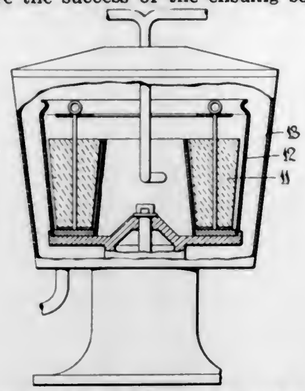
2,180,552
CONCEALED COMBINATION HINGE, OPENING AND CLOSING, AND LIMIT STOP DEVICE FOR DOORS
Lawrence R. Schroeder, Lakewood, and Felix W. Cichoski, Cleveland, Ohio, assignors to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio
Application October 23, 1937, Serial No. 170,608
4 Claims. (Cl. 16—180)



4. In a door having a cavity between its front and rear faces, the combination of a hinge mechanism including a support having a portion extending into the cavity, means within the cavity for hingedly connecting the door to the support for swinging movement about an upright axis, a spring operated mechanism including an arm operatively associated with the hinge mechanism and a spring arranged to urge the arm in a predetermined direction while reacting against the door, said spring operated mechanism being disposed within said cavity, and the arm being operatively connected to the support and door in such manner that the spring acts on the door in an over-center position of the arm with respect to the hinge axis to swing the door to open position when the door is partially open, said arm having an abutment operative to engage an abutment carried by the door and to stop the door in open position.

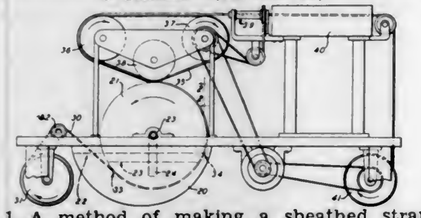
2,180,553
PROCESS OF SEPARATING A LIQUID INTO CONSTITUENT PARTS
Paul Schuftan, Hollriegelskreuth, near Munich, and Friedrich Steinbacher, Munich, Germany, assignors of one-half to Gesellschaft für Linde's Eismaschinen A.-G., Wiesbaden, Germany, and one-half to Georg Alexander Krause, Hollriegelskreuth, near Munich, Germany
Application March 18, 1936, Serial No. 69,594
In Germany March 26, 1935
8 Claims. (Cl. 62—124)

8. A process of separating a liquid into constituent parts, which comprises adjusting the concentration of said liquid so that the structurally stable body produced in the subsequent cooling step may possess sufficient mechanical strength and contain pores of sufficient width to ensure the success of the ensuing separation



treatment by adding thereto a stripping fraction from a previous operation of the process, cooling the thus treated liquid to produce said structurally stable body, and subjecting said body to the treatment for separating the liquid and solid phases thereof.

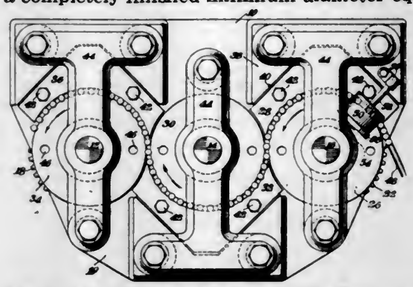
2,180,554
METHOD FOR HANDLING STRANDS
John N. Selvig, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1936, Serial No. 110,611
5 Claims. (Cl. 92—41)



1. A method of making a sheathed strand, which comprises the steps of forming a tape of wet pulpous material while applying a strand longitudinally thereto to be embedded therein and while effecting a sinuous lateral displacement of one with respect to the other, and forming the tape into a sheath about the strand with the seam of the sheath twisting to and fro about the strand.

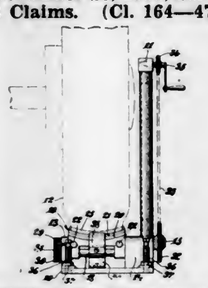
2,180,555
MACHINE AND METHOD FOR ROLLING RIVETS
Harry E. Sipe, New York, N. Y., assignor of one-fourth to Nathaniel L. Foster, Montclair, N. J.
Application June 4, 1937, Serial No. 146,328
11 Claims. (Cl. 80—18)

1. The method of rolling rivets and the like which are to be finished to a plurality of diameters, which comprises passing such rivets through at least three sets of interconnected dies, all of which act on at least one portion of the rivet so that the metal at that point is reduced intermittently, and, while the rivet is being rolled in at least one such set of dies, also rolling at least one other portion of the rivet to a completely finished minimum diameter equal



to the minimum diameter given to the first-specified portion by that set of dies.

2,180,556
TIRE SLITTING MACHINE
Harry E. Sipe, New York, N. Y.
Application November 26, 1938, Serial No. 242,455
8 Claims. (Cl. 164—47)



1. A tire slitting machine, comprising a low flat base adapted to be entered beneath the tire of a jacked up wheel, cranks rotating in the same direction on parallel axes on said base, a reciprocating knife carrier carried by said cranks, a tire slitting knife mounted on said carrier, means for conjointly operating said cranks and an upstanding column on the base, said operating means including a hand crank at the head of said column and connecting gearing from said hand crank to said blade carrier cranks.

2,180,557
FISHHOOK
John R. Skoverski, Oakland, Calif., assignor to Joseph Schor, San Francisco, Calif.
Application November 16, 1937, Serial No. 174,795
6 Claims. (Cl. 43—28)

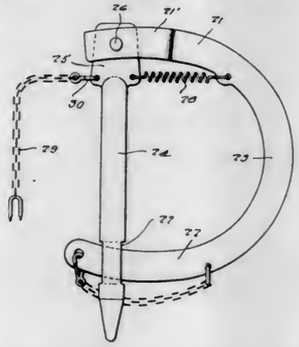


1. A fishhook comprising a shank having a recess therein to provide a socket, and a snell having an end extending back along itself to form a double thickness thereof and lying in said recess, the portions of the shank about the recess extending inwardly against the snell and thereby fastening the latter.

2,180,558
COUPLING PIN
John Stastny, Rogers, Tex.
Application April 11, 1938. Serial No. 201,450
1 Claim. (Cl. 280—33.15)

A coupling device of the class described comprising a coupling pin having a head at its

upper end and said pin having a slot adjacent its lower end, a substantially C-shaped member having its upper end pivoted to the head with its lower end passing through the slot, said lower end being longer than the upper end and said lower end entering the slot when the parts are in a neutral position, a chain having one end connected to the lower part of the C-shaped member an appreciable distance from the end



of said lower part and means for detachably connecting the other end of the chain to said end of the lower part, said chain forming a loop around the lower end of the coupling pin, and a spring connecting the upper part of the C-shaped member to the head of the pin and tending to hold the lower part of the C-shaped member in position passing through the slot of the coupling pin.

2,180,559
FRUIT SIZER
Fred Stebler, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application September 28, 1936, Serial No. 102,866
9 Claims. (Cl. 209—102)



4. In a sizer for fruit and the like, means forming a trough-like gradeway having a longitudinally divergent sizing section and a preliminary non-divergent section in advance thereof, stationary track means along each side of said gradeway, means for conveying fruit along said gradeway comprising endless driving means engaging the respective track means for travel therealong and opposed flexibile aprons connected at their outer edges to said respective driving means and depending therefrom to cover said gradeway and carry a single file of fruit therealong, a shaking mechanism associated with the depending portions of said aprons in the preliminary section of said gradeway for effecting vibration thereof in a direction laterally transverse to the gradeway without changing the width of the trough formed therebetween, and means for operating said shaking mechanism whereby to effect uniform positioning of the pieces of fruit carried by said aprons in advance of their movement over the sizing section.

2,180,560
WRITING INSTRUMENT
Herman K. Stempel, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application January 11, 1939, Serial No. 250,289
2 Claims. (Cl. 120—9)



1. A writing instrument comprising a barrel for housing a marking medium, said barrel having a rigid and tapered gripping portion at one end thereof from which the marking medium extends, said tapered gripping portion having spirally extending alternate ridges and grooves on the external surface thereof.

2,180,561
COMBINED CANTEEN, COOKING, AND MESS KIT
William H. N. Stevens, Columbus, Ohio
Application November 21, 1938, Serial No. 241,680
4 Claims. (Cl. 206—4)

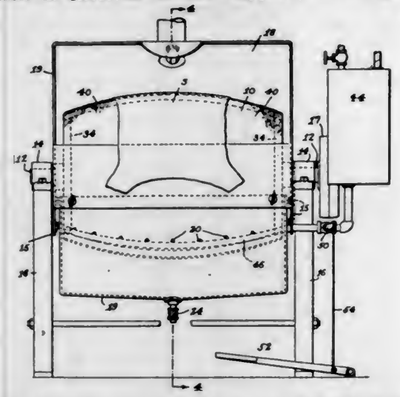


1. A device of the character described, comprising, a canteen having a neck, laterally extending arms on the bottom of said canteen, a frying pan arranged on one side of said canteen, a cooking pan arranged on the other side of said canteen, said pans having side walls interposing said canteen and said arms, a clamping member mounted on said neck and having arms engaging said side walls for coaction with said first mentioned arms to secure said pans to said canteen.

2,180,562
APPARATUS AND METHOD FOR TREATING ANIMAL SKINS
Louis J. Strobino, Bethel, Conn.
Application July 21, 1937, Serial No. 154,785
6 Claims. (Cl. 8—150)

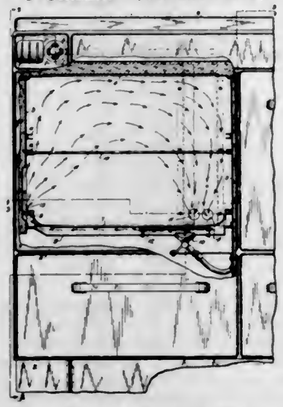
1. Apparatus for treating animal skins, comprising a traveling support which in every direction on its operating surface is convex and

has a covering of fibrous material capable of carrying a treating liquid among its fibres; there being a location where said covering on a top part of the support is exposed to receive a skin, and to receive pressure thereon from a source which is external to the support, covering and



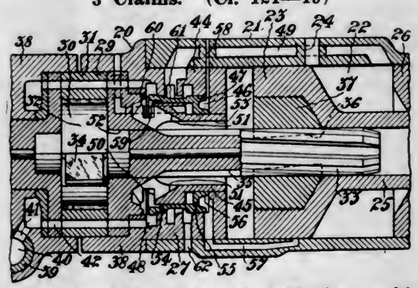
skin thereon; means in front of the support against which a skin may be engaged to hold that skin stationary with a portion of the skin on top of the travelling surface; the said travel of the top being in direction away from the engaging means; and means for supplying a treating liquid to the fibrous material of the support.

2,180,563
OVEN FOR DOMESTIC RANGES
Thomas E. Taylor, Cleveland, Ohio, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio
Application August 25, 1937, Serial No. 160,841
5 Claims. (Cl. 126—273)



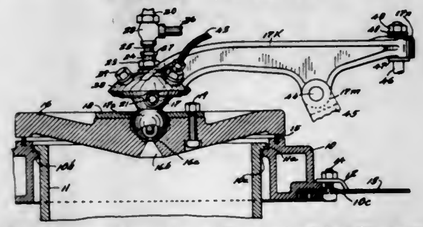
2. An oven comprising a closed compartment having a heat conducting, substantially imperforate floor member slidably supported in the compartment for removal therefrom and replacement therein and on which receptacles for food can be directly supported, the compartment having side, top and rear walls, the side walls having guides for the floor member, a burner beneath the floor member in closely spaced relation thereto, a heat absorbing and distributing relatively heavy metal plate interposed between the burner and the floor member and in very slightly spaced relation to the under side of the floor member for concentrating the heat from the burner at a localized zone of the floor member and applying said heat substantially uniformly throughout said zone.

2,180,564
VALVE MECHANISM FOR ROCK DRILLS
Edward F. Terry, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application June 22, 1937, Serial No. 149,554
3 Claims. (Cl. 121—19)



1. In a fluid actuated rock drill, the combination of a casing having a piston chamber and a piston therein, a valve chest comprising an outer member and a plug extending through the outer member and cooperating therewith to define a valve chamber, a supply chamber in the outer member opening into the rearward end of the valve chamber, an inlet passage opening into the outer surface of the valve chamber forwardly of the supply chamber and leading to the front end of the piston chamber, an inlet passage in the plug opening into the rearward end of the valve chamber in the same transverse plane as the supply chamber and leading to the rear end of the piston chamber, a valve in the valve chamber to control communication between the supply chamber and the inlet passages, and actuating surfaces on the valve subjected to fluid under pressure for throwing the valve.

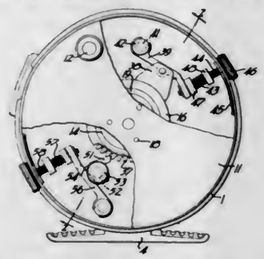
2,180,565
CLOSURE STRUCTURE WITH SPRAYING DEVICE
Paul W. Thayer, Minneapolis, Minn.
Application June 4, 1936, Serial No. 83,478
9 Claims. (Cl. 48—87)



7. The combination with a retort having a vertically extending chamber therein with an opening at its top, of a closure member for said opening, a supporting member having a ball disposed in said closure member about which the latter is universally movable, said supporting member having a chamber therein and having an enlarged portion above said ball with a semi-spherical top surface, a swinging arm having an end portion with a semi-spherical lower surface en-

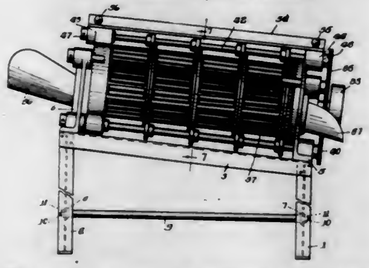
gaging said first mentioned surface, means connecting said supporting member and arm, a conduit extending into said supporting member for delivering fluid under pressure into said last mentioned chamber and a conduit connected to said supporting member for delivering oil into said last mentioned chamber, said oil and fluid being mixed in said supporting member and discharged downwardly therefrom into said first mentioned chamber.

2,180,566
FISHING REEL
Richard B. Thompson, San Francisco, Calif., assignor, by direct and mesne assignments, to Thompson Reel Co., San Francisco, Calif., a corporation of California
Application March 9, 1937, Serial No. 129,851
10 Claims. (Cl. 242—84.6)



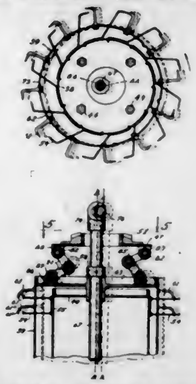
10. In a fishing reel, the combination with an overrunning clutch and a brake ring journaled upon the clutch and actuated thereby for rotation in one direction only, of means for restraining rotation of the brake ring, said means comprising a rigid arm pivoted at one end, an adjusting screw engaging the free end of the arm, brake ring engaging means pivotally engaged by the arm at a point intermediate its ends, a follower upon the screw, and a spring engaged between the follower and the free end of the arm.

2,180,567
FRUIT STEMMER
William E. Urschel, Valparaiso, Ind.
Application February 25, 1937, Serial No. 127,647
22 Claims. (Cl. 146—55)



1. In a fruit-stemming mechanism comprising a plurality of rotatable fruit-carrying cylinders, each cylinder comprising a plurality of rollers thereon, such cylinders being associated in interfitted relationship with said rollers adjacently disposed in pairs, means for rotating the cylinders and rollers simultaneously and means for translating the axes of said rollers in a direction toward each other for creating an increased pressure between adjacent rollers for removing the stems of the fruit.

2,180,568
MACHINE FOR PICKING COTTON
William E. Urschel, Valparaiso, Ind.
Application April 23, 1937, Serial No. 138,545
21 Claims. (Cl. 56—40)



1. A cotton picker machine comprising a movable picking means, means for moving said picking means in a selected path relatively to said machine, an additional movable picking means cooperable with the first named picking means, and means for moving said additional picking means relatively to and substantially transversely of the direction of movement of the first picking means and about said first picking means during movement of said first picking means through a portion of such path.

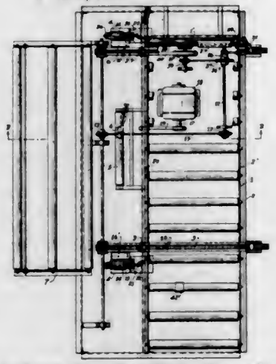
2,180,569
ELECTRICAL CONNECTOR
Walter H. Walls, Darwin, Minn.
Application February 23, 1938, Serial No. 192,033
1 Claim. (Cl. 173—361)



In a separable electrical connector, a plug comprising an ou er shell, a block of insulating material in said shell and substantially filling the forward portion of the shell, said block having a pair of oppositely disposed channels open at the front end thereof and at opposite sides thereof and terminating forwardly of the rear end of said block, a pair of contact bars having rear portions ex ending through and anchored in the rear portion of said block, the extreme rear ends of said contact bars being bent against the back of said block and having binding posts thereon, said bars extending forwardly from the rear of the block and having medial portions lying in the bottoms of said channels, the forward portions of said bars extending forwardly of said block and shell and being reversely bent to bring the outer ends of said bars into said channels in spaced relation

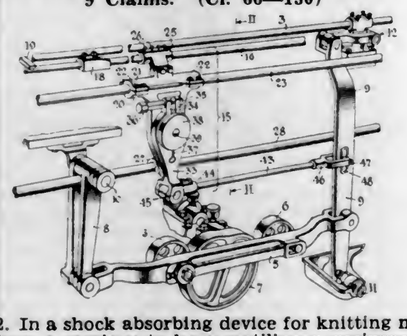
to said medial bar portions, said forward ends being flexible toward said medial bar portions between the walls of said channels and having apertures therein, and pins slidably mounted in said shell and contacting the forward ends of said bars, said pins being slidable inwardly with respect to said shell to permit flexing of the ends of said bars inwardly, whereby said bars can be detachably connected to projecting portions in a cooperating socket where said projections are adapted to fit into the apertures in the ends of said bars.

2,180,570
APPARATUS FOR FINISHING THE EDGES OF WALLBOARD
Curry Ora Walper, Hamilton, Ontario, Canada
Application July 16, 1937, Serial No. 154,048
In Canada July 18, 1936
9 Claims. (Cl. 51—80)



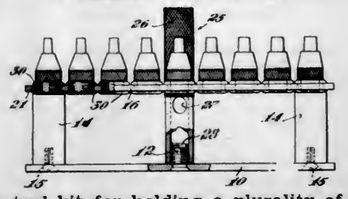
9. Apparatus for grinding the edges of wallboard comprising a conveyor for the wallboard, grinding means mounted adjacent the outer limits of said conveyor and adapted to engage the edges of wallboard upon said conveyor, means adapted to position a wallboard on said conveyor, and means responsive to a predetermined positioning of a wallboard on said conveyor for actuating the latter.

2,180,571
KNITTING MACHINE
Frank G. Welsbecker, Glenside, Pa., assignor to Arcadia Hosiery Co., Lansdale, Pa., a corporation of Pennsylvania
Application September 25, 1937, Serial No. 165,747
9 Claims. (Cl. 66—130)



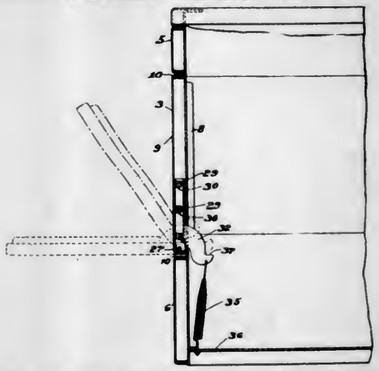
2. In a shock absorbing device for knitting machines, a carriage to have rectilinear, reciprocating movement, a driving element pivotally connected to said carriage for driving same, and yielding means for normally maintaining said carriage and element in a fixed driving relation and permitting relative pivotal, shock absorbing movement thereof when a predetermined force opposes movement of said carriage.

2,180,572
TOOL KIT
Frank E. White, Lynn, Mass., assignor of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York
Application May 5, 1938, Serial No. 206,183
5 Claims. (Cl. 206—16)



1. A tool kit for holding a plurality of interchangeable operating elements and a handle or the like to which said elements may be removably attached, comprising a base member adapted to rest upon a bench or the like, a supporting member in superposed spaced relation to said base member, said supporting member having an opening in which said handle may be inserted and a plurality of openings for the reception of said elements, and means associated with the latter openings for releasably retaining said elements therein.

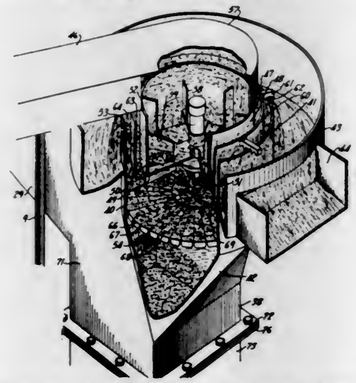
2,180,573
STOVE DOOR ASSEMBLY
Clarence F. Wiley, Norton, Mass., assignor to Glenwood Range Company, Taunton, Mass., a corporation of Massachusetts
Application November 4, 1938, Serial No. 238,719
6 Claims. (Cl. 126—191)



2. In a stove having a frame formed with a doorway the combination comprising elements fixed to the frame in spaced relation to each other, each of said elements including spaced arms and a pin borne by said arms, said pins for the respective elements providing an axis outwardly displaced from said frame, a door for said doorway closing against the frame, said door having spaced openings in the edge thereof by

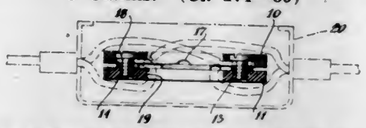
which the door may fit over said elements attached to the frame concealing them when the door is closed, elements within the door fixed thereto having forked ends adapted to fit between the spaced arms of said respective elements fixed to the frame and have engagement with the pins carried by said arms for hingedly hanging said door, and tension means functioning to maintain engagement between said forked ends and said pins and for holding the door closed and for returning it to a closed position when open.

2,180,574
CONCENTRATING APPARATUS
Charles E. Wood, Baxter Springs, Kans.
Application March 28, 1934, Serial No. 717,739
8 Claims. (Cl. 209—158)



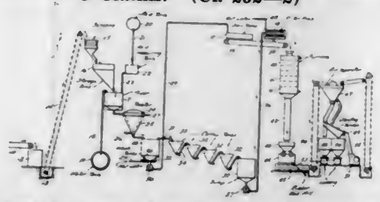
1. In an apparatus of the character described, a tank, a separating chamber having communication with the tank, a cylinder rotatably supported in the separating chamber with its upper end extending above the level of water in the chamber and having an apertured bottom, means for discharging a stream of pulp tangentially into the cylinder to maintain a fixed static head in the cylinder for effecting flow through the apertured bottom thereof at uniform velocity, and regulating means in the separating chamber for regulating the velocity through said chamber to effect gravity separation of selected particles carried in said stream.

2,180,575
INSERT TO BE USED IN CONJUNCTION WITH AN OUTLET BOX AND OTHER ELECTRICAL UNITS
Kern Badger, Ridgewood, N. J.
Application May 14, 1938, Serial No. 207,879
3 Claims. (Cl. 174—59)



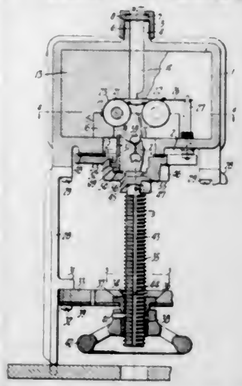
1. In a device as described comprising two thin polygon shaped non-conducting plates, having a polygonal shaped central recess, said plates being secured together at each corner thereof, a contacting strip between said plates parallel with each side edge of said plates, said strips not touching each other, binding posts passing through one of said insulating plates, through the contact strips and into the other insulating plate, said binding posts acting as an anchor to hold the wires of a cable between the upper plate and the contact strip, said upper plate containing channels therein to enable wires to reach each of said binding posts.

2,180,576
ADSORBENT CLAY AND METHOD AND MEANS OF PRODUCING SAME
Walter S. Baylis and William Kelley, Los Angeles, Calif., assignors, by mesne assignments, to Fullerite, Incorporated, a corporation of California
Application May 8, 1937, Serial No. 141,575
5 Claims. (Cl. 252—2)



1. The process of producing a highly active acid treated fuller's earth or clay which includes: mixing a quantity of unground hydrous aluminum silicate and a strong mineral acid with sufficient water to make a readily flowable pulp therefrom; heating said mixture under pressure with substantially no agitation thereof, whereby the natural grain size of the silicate particles is preserved; washing the treated mixture to remove free acid and soluble salts therefrom; and drying said washed silicate.

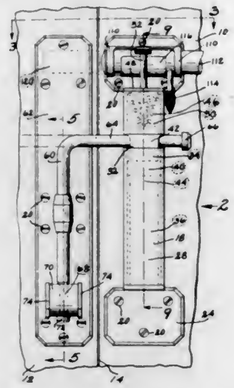
2,180,577
FURNACE
Elmer H. Berryman, San Francisco, Calif.
Application February 13, 1937, Serial No. 125,617
7 Claims. (Cl. 22—69.1)



1. A casting furnace comprising: a casing having an opening in the bottom face thereof; a block of refractory material accommodated in said casing and provided with a recess in registration with the opening in said casing; a tray of refractory material disposed in said recess and provided with a central opening in line with the opening in said casing; a resistance element supported on said tray; means for connecting said resistance element to a source of electric current;

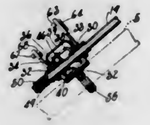
and means for holding an investment ring in registration with the opening in the bottom of said casing.

2,180,578
DOOR GUARD AND STAY
Joe B. Bradshaw, Stanford, Ky.
Application June 17, 1938, Serial No. 214,235
19 Claims. (Cl. 292—272)



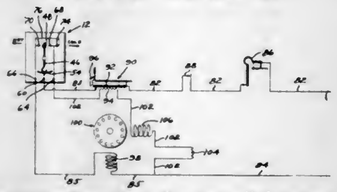
1. The combination with a door handle, of a boom having an angular headed portion, a friction device having a part slidably engaging an intermediate portion of the boom, means for mounting the boom on the door casing including a plate universally supporting one end of the boom, and apertured to receive a part of the friction device, said handle being slotted to receive the angular portions of the boom, and means for retaining the boom portion within the slot of the handle, said boom being releasable from the handle only when the door is tightly closed.

2,180,579
GEAR SHIFTING MECHANISM
Orville K. Butzbach, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application August 15, 1938, Serial No. 224,879
8 Claims. (Cl. 74—473)



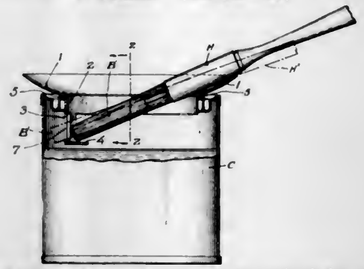
1. Remotely controlled shift means comprising a rod mounted for axial and rotative movement, an arm carried by said rod adjacent one end thereof, a pair of sleeves about said rod on opposite sides of said arm, a housing providing a journal for said sleeves and enclosing said arm, a fork on each sleeve having end portions turned toward each other within said housing and adapted to receive the end of said arm, and means between said arm and housing preventing rotation of said arm except in limiting axially shifted positions of said rod and preventing axial shifting of the rod except in alined position of said forks.

2,180,580
CONTROL SYSTEM
Kendall Clark, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill., a corporation of Illinois
Refiled for abandoned application Serial No. 128,739, March 3, 1937. This application January 3, 1938, Serial No. 183,148
6 Claims. (Cl. 158—28)



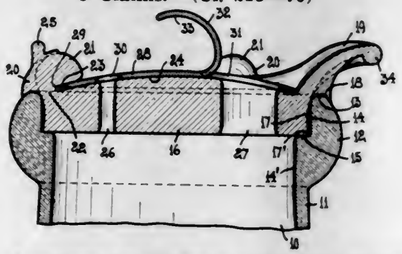
1. A control system for an oil burner, or the like, comprising, in combination with the burner and its motor and igniter, said motor having starting and running windings, a source of electric current and a room-thermostat control therefor, two circuits one of which includes the motor starting winding and igniter and the other of which includes the motor running winding and not the igniter, a safety device in said one circuit actuated by operation of the igniter for more than a predetermined time and which when so actuated renders the entire system inoperative, and a control device including thermostatic means affected by heat from the operation of the burner and a switch actuated thereby when the burner is cold to connect said circuits in parallel to said source of current ready for operation of the motor and igniter when the room-thermostat calls for heat and actuated after the burner has been in operation a relatively short time to disconnect said one circuit from said source and to leave said other circuit connected thereto.

2,180,581
ATTACHMENT FOR PAINT CANS OR THE LIKE
Leonard Eisenberg, Bronx, N. Y.
Application July 29, 1938, Serial No. 221,932
1 Claim. (Cl. 91—63)



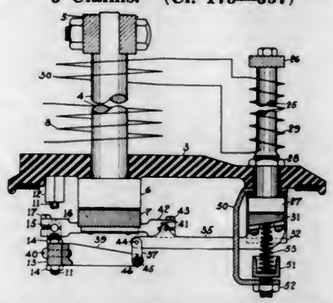
A device of the character described for use in combination with paint cans or the like comprising an annular body member with inwardly sloping sides and having an outer perimeter extending beyond the perimeter of said paint can, a vertical flange integral with said annular body and having a circumference equal to the circumference of the inner closure edge of the paint can whereby said flange member extends into said can, said flange member carrying integrally at one end thereof spaced strips having a horizontal ledge formed thereon and extending into and spaced from the can body at a point lower than the annular body member.

2,180,582
MILK BOTTLE STOPPER
Theodore D. Crane, Council Bluffs, Iowa
Application September 30, 1936, Serial No. 103,274
Renewed March 31, 1939
5 Claims. (Cl. 215—76)



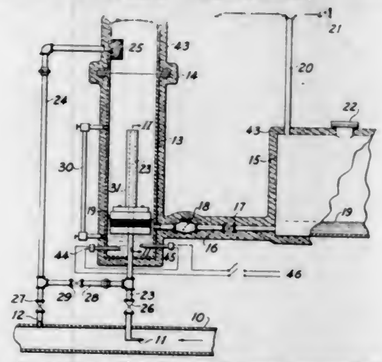
1. A stopper for a container having a recessed annulus in the neck thereof comprising a resilient washer provided with a plurality of spaced apart apertures and having a convex outer surface, said washer adapted to be squeezed into cooperative relation with said annulus for sealing said container, revoluble sealing means for said apertures of the washer engaging the convex surface of the washer, comprising a disc axially disposed with respect to and removably secured to said washer, said disc having a plurality of apertures spaced apart coincidingly with respect to the apertures of the washer, said disc adapted to be manually rotated for causing the apertures thereof to align with the apertures of the washer for permitting pouring of contents of the container through the stopper, and inwardly projecting means carried by said washer frictionally engaging the marginal portions of said disc.

2,180,583
RELAY
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 23, 1935, Serial No. 12,623
5 Claims. (Cl. 175—337)



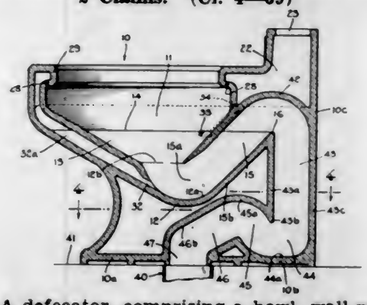
4. In a relay, a main armature and spaced therefrom a retaining armature, a main winding and a retaining winding for said armatures, respectively, means energizing the retaining winding actuated by a change of current in the main winding, a retaining armature arm pivotally fixed at one end and carrying the retaining armature at the other end, and a main armature arm carrying the main armature and pivotally fixed at one end and positively pivotally attached at the other end to an intermediate portion of the retaining armature arm whereby the main armature arm and the retaining armature arm must always move together.

2,180,584
ODORIZER FOR NATURAL GAS
William A. Green, Jonesboro, Ark., and Edward Rolle, New York, N. Y., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application May 24, 1938, Serial No. 209,690
3 Claims. (Cl. 261—39)



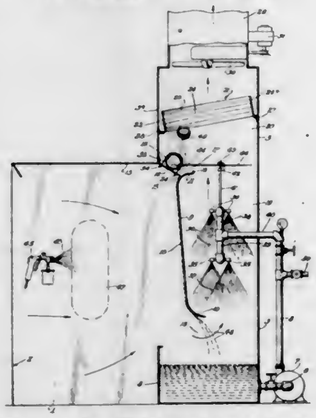
1. An evaporative type odorizer, comprising an upright housing, an odorant reservoir, a conduit connecting the lower portions of said housing and said reservoir, means in said conduit for permitting gravity flow from said reservoir to said housing and preventing reverse flow, a float in said housing, a capillary means supported by said float to contact and be uniformly wetted by said odorant liquid independently of the level thereof, means for passing gas into said housing through said wetted capillary material above the level of said odorant liquid, a gas outlet from said housing and means for maintaining the temperature of the odorant liquid in said housing at a constant value to provide a constant odorizing rate.

2,180,585
FLOOR DISCHARGING DEFECATOR
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application January 5, 1937, Serial No. 119,069
2 Claims. (Cl. 4—69)



1. A defecator, comprising a bowl, wall means therefor arranged to provide a supporting base for said bowl, means for introducing liquid into said bowl for flushing the same, and means for evacuating the contents of the bowl upon the flushing thereof, said means comprising an upflow syphon leg, a substantially vertical posterior syphon leg operatively connected thereto, an upwardly directed elbow communicating with said posterior syphon leg and arranged to retain a body of liquid subsequent to the stage of flushing the bowl, said elbow discharging sharply upwardly at an angle substantially less than the vertical into a downwardly directed outflow leg arranged within the confines of said suporting base, a forward wall of said posterior syphon leg being substantially continuously vertical and arranged substantially centrally of said upwardly directed elbow and serving in part to define said elbow, the lower terminus of said syphon leg wall being disposed relatively closely above the level of fluid retained by said elbow and in positive spaced relationship therewith.

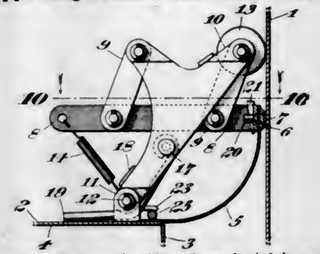
2,180,586
SPRAY BOOTH
Eric Gustafsson, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 1, 1937, Serial No. 177,563
13 Claims. (Cl. 91—60)



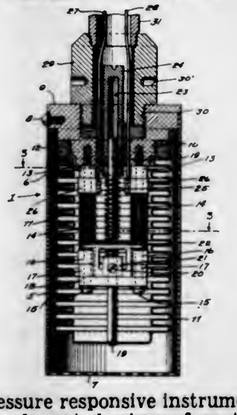
3. In a spray booth having spraying and washing chambers with a generally upright apron separating said chambers and with openings provided between said chambers at the upper and lower ends of said apron whereby air may flow from said spraying chamber to said washing chamber through the lower of said openings and flushing liquid may flow through the upper of said openings to and over the surface of said apron which is exposed to said spraying chamber and toward which spray fumes are directed, and wash fluid projecting means in said washing chamber for washing out the spray fumes carried by the air passing through said washing chamber, a device for supplying liquid for flushing said exposed surface of said apron, comprising a liquid distributing means above the upper of said openings for delivering a sheet of liquid across said opening to said apron to flow downwardly in the form of a sheet over said exposed surface of said apron, and liquid projecting means located in the upper portion of said washing chamber at about the level of the upper end of said apron for projecting liquid toward and against a portion of said distributing means for supplying the flushing liquid delivered to said apron.

2,180,587
FLOATING ROOF SEAL
Hans Hammeren, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application December 10, 1937, Serial No. 179,050
13 Claims. (Cl. 220—26)

1. The combination with a liquid storage tank and a floating roof therefor, of a flexible sealing member secured at one edge to the roof for closing the annular space between the edge of the roof and the tank, a contact bar secured to the free edge of the sealing member adjacent the wall of the tank, a carrier bar for the free edge of the seal, a supporting member attached to said carrier bar, an upwardly projecting bracket hinged at its lower end to the roof and having a bearing at its upper end for contact with the wall of the tank, and links pivotally attached to said bracket and to said supporting member so as to maintain said supporting member in horizontal swinging position.



2,180,588
MEASURING INSTRUMENT
Hubert A. Henze, Wood-Ridge, N. J.
Application January 15, 1936, Serial No. 59,192
2 Claims. (Cl. 201—48)



1. In a pressure responsive instrument, in combination, an elongated, circumferentially corrugated, cylindrical bellows, a fitting supporting one end of the bellows stationary, but permitting the opposite end to move in response to pressure variations, said fitting cooperating with the bellows to provide a chamber completely sealed against ingress of the surrounding medium, electrical impedance means supported from the fitting within the bellows, a stem within the bellows connected to the movable end of the bellows, a sliding contact carried by said stem, a plug threaded through the fitting, said plug containing an axial bore of slightly larger diameter than the stem and through which the stem slides, and a spring interposed between the plug and the sliding contact, said spring being adjustable by turning of the threaded plug.

2,180.589
WELL DRILLING AND REAMING TOOL
Finers F. Hodges, Dallas, Tex.
Application August 28, 1937, Serial No. 161,490
1 Claim. (Cl. 255—75)

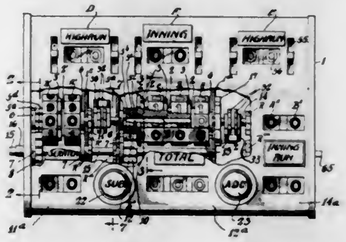
A well drilling and reaming tool including in

combination a body portion, said body portion having an axial bore therein, said bore terminating at its lower end in a slot and a pair of grooves to provide a trackway, a pair of reamer blades slidably mounted in said grooves, spring means connected to said blades by a pair of links and



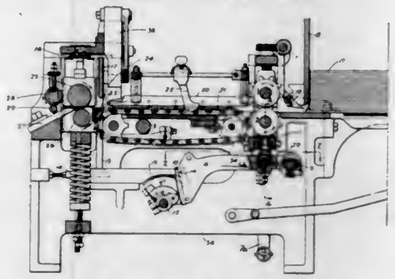
arranged to urge said blades into upward and expanded position, a slot adjacent the lower portion of each of said cutter blades, and a spring actuated catch arranged to removably engage each of said slots when said blades are moved to downward position against the tension of said first named spring means.

2,180,590
SCORE REGISTER
Adolf Holzner, Brooklyn, N. Y.
Application May 17, 1937, Serial No. 142,975
5 Claims. (Cl. 235—117)



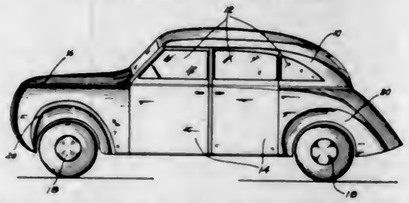
1. A score keeper of the character described, including a counter for total score, a counter for separate score, means to couple the total and separate score counters, and comprising a third counter, each of said three counters including a transfer mechanism, operating means to operate the total and separate score counters in one direction for adding in both of these counters while the third counter remains stationary, means to operate the total score counter in opposite direction for subtraction, means to couple the total score counter and the third counter during the subtraction operation with the separate score counter uncoupled and remaining stationary, and a means actuated by the transfer mechanism when starting the counting operation in the total score counter for subtraction to cover the number of wheels of the total score counter during the operation of the third counter for adding.

2,180,591
GRADING MACHINE
James W. Johnston, Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York
Application July 25, 1938, Serial No. 221,159
14 Claims. (Cl. 33—147)



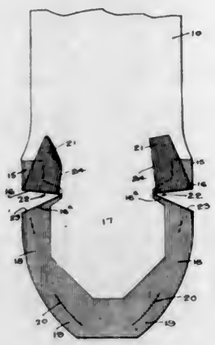
1. A grading machine comprising measuring mechanism including a movable measuring member for measuring the grade of successive blanks according to a thickness dimension, adjustable grading mechanism responsive to the measuring mechanism, and setting mechanism controlled by the measuring mechanism for adjusting and setting the grading mechanism in response to the measuring movements of the measuring member, said setting mechanism including a transmission lever, means connecting the measuring member with the transmission lever by which means the lever is actuated in response to measuring movements of the measuring member, and mechanism responsive to angular movements of the lever adapted automatically to shift the effective point of application of the measuring movement to the lever toward and from the fulcrum of the lever, thereby varying the length of the power arm to compensate for angular movements of the lever.

2,180,592
VEHICLE
Victor W. Kliesrath, South Bend, Ind., assignor, by mesne assignments, to International Engineering Corporation, Chicago, Ill., a corporation of Illinois
Application January 6, 1938, Serial No. 183,625
5 Claims. (Cl. 180—54)



1. An automotive vehicle having at one end a support, wheels connected to said support by individual spring suspension devices, an engine mounted on said support and which has a transversely-extending hollow driven crankshaft, a differential at one end of the crankshaft, clutch and transmission means for drivably connecting the crankshaft to the differential at a plurality of speeds, means for connecting one side of the differential to one of said wheels, a shaft drivably connected at one end to the other side of the differential and extending through the hollow crankshaft, and means connecting the other end of said shaft to the other of said wheels.

2,180,593
STOCKING AND METHOD OF MAKING SAME
Jack Kugelman, Abington, and Joseph Earnest Garrett, Philadelphia, Pa.; said Garrett assignor to said Kugelman
Application January 2, 1937, Serial No. 118,870
2 Claims. (Cl. 66—187)



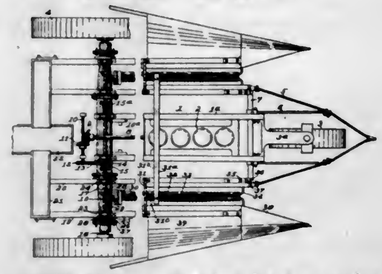
1. A full-fashioned stocking blank knitted in the form of a flat web having opposed selvedged edges and including non-reinforced leg and instep fabrics and reinforced high splice heel, sole and toe fabrics, the main body yarn of said non-reinforced leg and instep fabrics being extended throughout every course of said reinforced fabrics, said high splice heel and sole fabrics being split to accommodate therein separately knitted reinforced heel pocket tabs, the edges of said sole fabrics along the lines of said splits being formed of loose courses knitted of said body yarn in continuous extensions of the corresponding plain knit courses of the non-reinforced instep fabric, and separately knitted reinforced heel pocket tabs disposed at opposite sides of said web and interposed between the proximate edges of the said high splice heel and sole fabrics, the inner selvedge edges of said heel tabs being respectively secured to the non-reinforced loose courses in said sole fabrics.

2,180,594
CORN HARVESTER
Henry J. Kuhlman, Waterloo, Iowa, assignor to Kuhlman Manufacturing Company, Waterloo, Iowa, a corporation of Iowa
Application December 10, 1936, Serial No. 115,112
5 Claims. (Cl. 130—5)



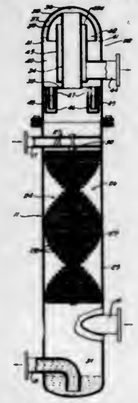
1. A snap roller for corn harvesters comprising a body grooved spirally throughout the major portion of its length, the forward part of the grooved portion being of less diameter than the rearward part of said grooved portion and being generally tapered from the smaller forward end to its junction with said rear portion, the pitch of the grooves on the forward part being greater than the pitch of the grooves on the rearward part, the pitch of the grooves on the rearward part being uniform throughout and the grooves gradually decreasing in depth from the forward end of the rearward part to the rear end thereof.

2,180,595
CORN HARVESTER
Henry J. Kuhlman, Waterloo, Iowa, assignor to Kuhlman Manufacturing Company, Waterloo, Iowa, a corporation of Iowa
Application January 6, 1937, Serial No. 119,247
1 Claim. (Cl. 56—18)



In combination, a tractor having a forward prow, a pair of like corn harvesters positioned on opposite sides of the tractor and having forward prows, the corn harvesters having frames containing longitudinal pairs of oppositely rotatable coacting gathering, snapping and husking rolls driven by the mechanism of the tractor, the harvester frames extending alongside the tractor, longitudinal side bars on said frame, rigid adjustable connecting means between the forward ends of said bars and unconnected to the tractor, and means for hinging the rear ends of the said bars to the rear tractor construction, whereby said frames may be limitedly adjusted laterally to and from the tractor by adjustments of said connecting means between the bars and rocking adjustments of said hinging means on the tractor.

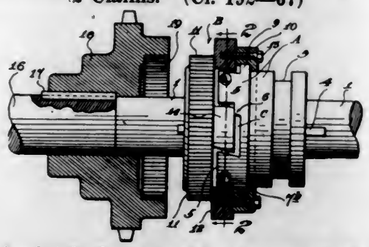
2,180,596
METHOD OF TREATING NATURAL GAS
Bernard M. Laulhere, Walnut Park, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application March 5, 1938, Serial No. 194,120
12 Claims. (Cl. 183—120)



1. The method of treating natural gas containing hydrate forming compounds, that includes passing a stream of the gas under high pressure and at a temperature above the temperature of hydrate formation at that pressure, through a cooling zone, and cooling the gas in said zone to a temperature below the temperature of hydrate formation in the presence of

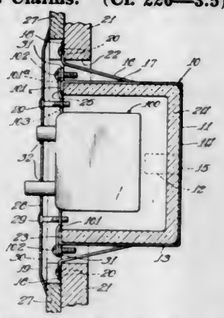
water introduced to the gas stream in sufficient quantity to prevent clogging accumulations of precipitated hydrates in said zone at their temperature of formation.

2,180,597
SELF-ALIGNING CLUTCH
George F. Le Bus, Longview, Tex.
Application September 30, 1937, Serial No. 166,464
2 Claims. (Cl. 192—67)



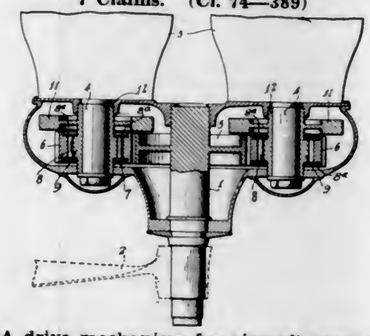
1. A clutch for operably connecting a drive shaft with a driven shaft, said clutch comprising a clutch block having radially spaced and tapered jaws and slidably keyed to the drive shaft, a companion clutch block provided with radially spaced and tapered jaws, said companion block being loosely supported on said first mentioned block, means for so supporting the companion block to the first mentioned block, said companion block including a gear with external beveled teeth, a clutch hub provided with internal beveled teeth and keyed to the driven shaft; the jaws of the first mentioned block having an offset formation, the jaws of the first mentioned block and the companion block being spaced from each other on each side and the jaws of the companion block engaging the offset formations of the jaws of the first mentioned block to enable the jaws of the companion block to shift circumferentially from side to side in adjusting the jaws to a wedged seating position to bring about a meshed connection of said gear and said clutch hub.

2,180,598
RECEPTACLE HOLDER
James Steel Mahan, Chicago, Ill.
Application January 21, 1938, Serial No. 186,168
3 Claims. (Cl. 220—3.5)



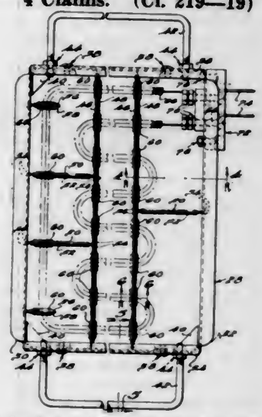
3. A receptacle holder of the class described embodying a flexible metallic member bent to form a base portion and a pair of arms adapted to clamp a receptacle therebetween, each of said arms being bifurcated to form a clamping portion and a mounting portion, said latter portion comprising a pair of integral flexible extensions on each side of the clamping portion of the arm adjustable substantially independently of the clamping portion toward and away from said receptacle whereby said holder may be mounted in wall openings of varying sizes and the receptacle may be clamped therein without disturbing said mounting, an integral cross member connecting the ends of the extensions of each arm respectively, and fastener formations in said cross members.

2,180,599
MULTIPLE MOTOR DRIVE
Albert S. Menasco, Beverly Hills, Calif., assignor, by mesne assignments, to Vega Airplane Company, Burbank, Calif., a corporation of California
Application March 10, 1936, Serial No. 68,069
7 Claims. (Cl. 74—389)



1. A drive mechanism for aircraft comprising, a driven shaft adapted to drive a propeller and having a gear wheel secured thereon, a plurality of drive shafts for driving the propeller shaft, a drive pinion carried by each drive shaft and meshing with said gear wheel, inertia means secured to each drive shaft, said inertia means having an axially extended hub portion, an overrunning clutch interposed between each extended hub portion and each drive pinion, whereby the propeller shaft may be driven by any one or all of said drive shafts, and whereby the inertia means on any running drive shaft produces a fly-wheel effect irrespective of whether its associated clutch is driving or overrunning.

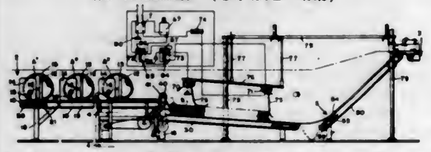
2,180,600
HEATING UNIT
Herbert E. Mills, Detroit, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application June 21, 1937, Serial No. 149,350
4 Claims. (Cl. 219—19)



2. In a device of the class described, a rec-

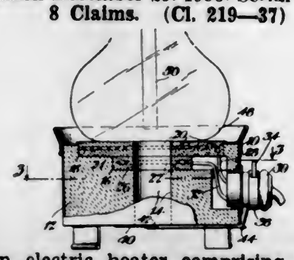
tangular supporting frame having side portions formed of channel members, the legs of which converge toward one another, resistor supporting elements extending transversely of the frame and having their ends flared and loosely received within the converging portions of the side channels, and longitudinally extending supporting elements for spacing said transverse elements one from the front and one from the rear of the frame.

2,180,601
ACCUMULATING CONVEYER
Allister S. Mitchell and Clarence J. Davies, Detroit, Mich., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application December 27, 1937, Serial No. 181,932
22 Claims. (Cl. 271—2.2)



1. An accumulating conveying mechanism comprising a first conveyer, a second conveyer positioned to receive material from said first conveyer, automatic means responsive to the amount of material on said second conveyer for effecting simultaneous, intermittent operation of both of said conveyers, said first conveyer arranged to operate at a substantially higher speed than said second conveyer.

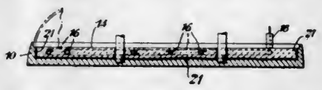
2,180,602
ELECTRIC HOT PLATE
John D. Morgan, South Orange, N. J., assignor to Power Patents Company, Hillside, N. J., a corporation of Maine
Application December 29, 1936, Serial No. 118,058
8 Claims. (Cl. 219—37)



4. An electric heater comprising an electric warming plate, an electric hot plate mounted on the upper surface of the warming plate, said hot plate having a heating capacity greatly exceeding that of the warming plate, means including a switch for alternately supplying electric current to said plates, a ventilation passageway through said plates, and means for controlling the admission of air to said passageway.

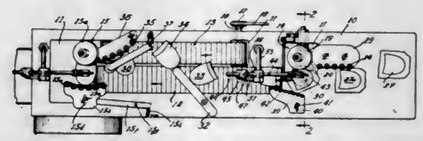
2,180,603
ELECTRICAL HEATING IRON AND METHOD OF MAKING THE SAME
John D. Morgan, South Orange, N. J., assignor to Power Patents Company, Hillside, N. J., a corporation of Maine
Application November 16, 1936, Serial No. 111,092
5 Claims. (Cl. 219—25)

5. An electric iron comprising an iron body having a cavity therein, a firing-cured heat conductant refractory liner united to the iron surface of the cavity, a preformed and heat-fired heating element composed of a heat hardened refractory having an electrical resistance wire



embedded therein, said refractory heating element having a high dielectric property and having a high thermal conductivity, said element being removably mounted within said lined cavity and making a full surface contact with the liner.

2,180,604
TRIMMING APPARATUS FOR MOLDED RUBBER ARTICLES
Thomas W. Morris, Chicago, Ill.
Application August 6, 1938, Serial No. 223,409
15 Claims. (Cl. 164—63)

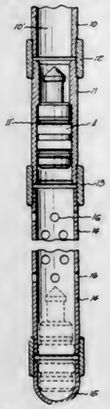


10. In a heel trimming apparatus of the character described, a cutter assembly, a rotating platform for supporting the heel during the trimming operation, a conveyor belt for removing the heel from the platform upon completion of the trimming operation, a downwardly, yieldably impelled roller for engaging the upper surface of the heel during the trimming operation, means for mounting said roller, said means including a standard, a lever arm pivotally mounted on said standard, said lever arm having said roller rotatably secured to its lower end and having a housing at its upper end above the point of said pivot mounting with the standard, said housing being non-pivotally associated with said standard and having a passage therethrough for receiving the upper end of said lever arm, a set screw element operatively mounted through the upper end of the housing and extending downwardly and into said passage and into abutment with the upper side of said lever to limit the downward movement of the roller carrying end thereof, a plunger mounted in the lower portion of said housing and spring means bearing against the outer face of said plunger for yieldably urging the upper face thereof against the lower side of the lever at a point directly opposite that engaged by said set screw, and an adjustment screw having threaded engagement through the bottom of said housing and being adapted to engage the outer end of said spring to adjust the expansive pressure applied thereby to the plunger and to thus regulate the yieldable downward pressure exerted by the roller upon the upper surface of the heel.

2,180,605
WELL PLUG
Herbert C. Otis, Dallas, Tex.
Application April 14, 1938, Serial No. 201,887
10 Claims. (Cl. 166—13)

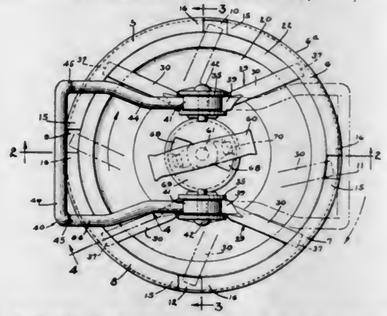
1. A well plug device including, a tubular section arranged to be connected in a well tubing string and having a stop, and a plug movable in

said section downwardly from and upwardly to said stop and having means engageable with said



section and releasable under pressure for holding said plug in position against said stop.

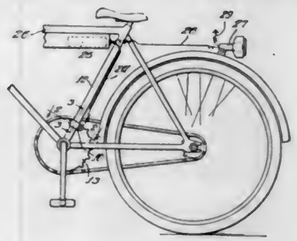
2,180,606
SPRAYER CONSTRUCTION AND COVER CLAMPING DEVICE
John E. Oys and Walter C. Perron, Hastings, Minn., assignors to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota
Application November 6, 1936, Serial No. 109,538
4 Claims. (Cl. 220—57)



1. A tank having a filling opening having a seat, a cover for the opening which is to be pressed into sealing relation with the seat, a lever fulcruming on the cover at two points and having outer arms to engage with portions of the tank, and means attached and movable relatively to the cover, and adapted to act on the lever at a point between the fulcrum points, to rock the lever and cause the cover to be pressed against the seat.

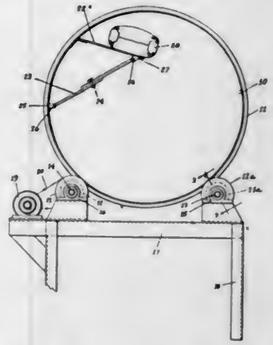
2,180,607
CIRCUIT CLOSING DEVICE
Edward B. Parsons, Chicago, Ill., assignor of one-half to Lee W. Ford, Chicago, Ill.
Application May 29, 1937, Serial No. 145,484
3 Claims. (Cl. 200—52)

1. The combination with a bicycle having a reciprocally rotatable driving sprocket wheel, of a circuit closer comprising a member mounted on the frame of the bicycle and positioned in spaced relation to one face of said wheel, said member providing an elongated bore of generally circular cross section in proximity to and extending substantially parallel to said wheel face, the bounding face of said member adjacent said wheel intercepting said bore to provide an elongated slot, a conductor insulated from said member and



having a bare free end in said bore, a ball of conducting material positioned in said bore and projecting through said slot into rolling contact with said wheel and operable by reciprocatory movement of the wheel to engage and disengage said conductor.

2,180,608
BAG TESTING DEVICE
Cecil B. Pooler, Riverside, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application April 14, 1937, Serial No. 136,705
2 Claims. (Cl. 73—51)

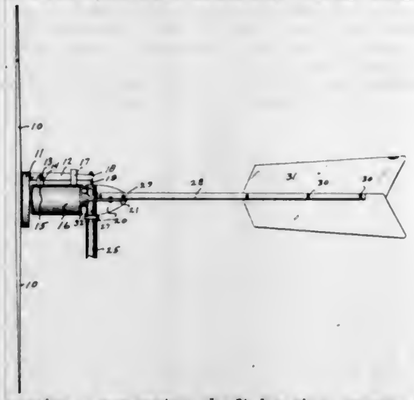


1. In a bag testing device, a cylinder mounted for rotation about a horizontal axis, a single bag supporting member mounted within said cylinder and adapted upon rotation of said cylinder to repeatedly lift a filled bag to a predetermined height and repeatedly drop said bag from said height until said bag is ruptured, said cylinder being arranged to permit said bag to slide about a major portion of the inside periphery of said cylinder after each drop.

2,180,609
GENERATOR TURNTABLE MOUNTING
John Prince, Sioux City, Iowa, assignor to Wincharger Corporation, Sioux City, Iowa, a corporation of Minnesota
Application August 5, 1937, Serial No. 157,576
7 Claims. (Cl. 290—55)

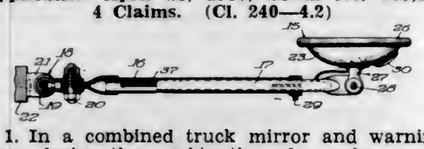
1. A generator turntable mounting comprising a pivoting member, said pivoting member having

a forward cylindrical horizontal cavity adapted



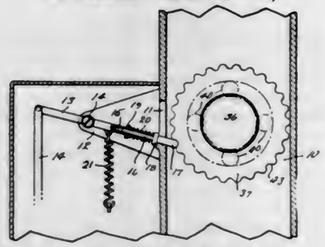
to receive a generator shaft bearing, means for attaching a tail vane structure to said mounting.

2,180,610
COMBINATION TRUCK MIRROR AND CLEARANCE LAMP DEVICE
Oliver C. Ritz-Woller, Chicago, Ill.
Application April 28, 1937, Serial No. 139,385
4 Claims. (Cl. 240—4.2)



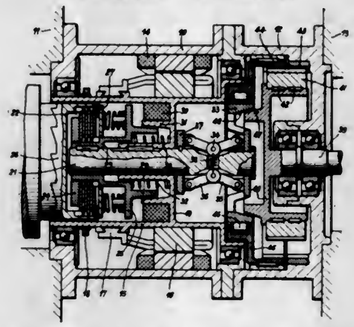
1. In a combined truck mirror and warning lamp device, the combination of a casing member of sheet metal pressed into dished form and having an opening therethrough at one side and provided about its outer edge with a seat for a mirror, a lens in said opening, a light bulb within the casing adjacent to said lens, a closure member in the form of a mirror positioned on said seat so as to enclose the light bulb within the casing member, and a ring of yielding material removably mounted about said casing member and said mirror serving to hold the mirror removably in position and to cushion a blow on the edge of the casing member.

2,180,611
CHECK AND CHECK-CONTROLLED DEVICE
William K. Schauweker, Cleveland, Ohio
Application July 22, 1937, Serial No. 155,051
6 Claims. (Cl. 194—4)



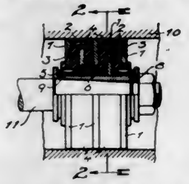
1. A check for operating a check-controlled device, comprising, in combination, an internally toothed gear, an externally toothed gear and planetary gearing interposed between and meshing with said two first mentioned gears.

2,180,612
STARTING DEVICE FOR INTERNAL COMBUSTION ENGINES
Kurt Schlenker, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application July 20, 1938, Serial No. 220,351
In Germany July 28, 1937
11 Claims. (Cl. 290—4)



1. A starting device for internal combustion engines comprising, in combination, a dynamotor, an auxiliary internal combustion engine, a releasable clutch and a transmission gear disposed between said dynamotor and said auxiliary engine, said dynamotor being arranged between the main internal combustion engine and said transmission gear.

2,180,613
ELASTIC MOUNTING DEVICE
Fritz Schmidt, Harburg-Wilhelmsburg, Germany
Application December 13, 1937, Serial No. 179,625
In Germany December 14, 1936
5 Claims. (Cl. 248—358)



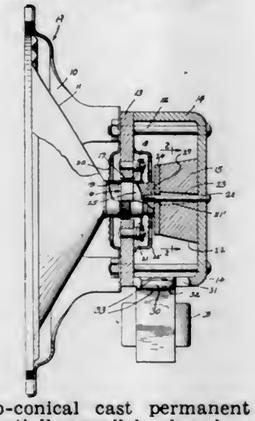
1. An elastic mounting for resiliently supporting one member on another, comprising axially spaced discs, rubber between the discs, an element having a part engaging the axially outer side of each disc and having a part projecting through an opening in the disc and into abutting relation with the other disc, means for holding the elements together axially of the discs and for mounting them on one of said members, and means supporting the rubber and adapted to engage the other of said members.

2,180,614
METHOD FOR THE PREPARATION OF EPI-ALLO-PREGNANOL (3)-ONE (20)
Erwin Schwenk, Montclair, N. J., Bradley Whitman, New York, N. Y., and Gerhard A. Fleischer, Montclair, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application May 6, 1937, Serial No. 141,102
11 Claims. (Cl. 260—397)

1. The method of producing epi-allo-pregnanol

(3)-one (20) which comprises subjecting allopregnandione to the action of hydrogen in the presence of a hydrogenation catalyst acting to limit the reduction substantially to the 3-keto group.

2,180,615
SPEAKER
Igor B. Serge, Grosse Pointe Park, Mich.
Application May 7, 1937, Serial No. 141,217
6 Claims. (Cl. 179—117)



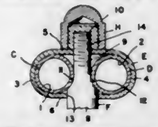
1. A frusto-conical cast permanent magnet having substantially parallel polar plane surfaces and having a radial slot extending from the axis thereof to the outer peripheral surface, said slot being tapered reversely with respect to the taper of said peripheral surfaces of said magnet.

2,180,616
GAS LIGHTER
Elmer H. Smith, Minneapolis, Minn., assignor, by mesne assignments, to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Minnesota
Application November 29, 1937, Serial No. 177,025
3 Claims. (Cl. 67—6.1)



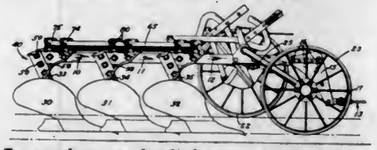
1. A gas lighter comprising a pair of relatively swingable arms, ignition means carried by said arms, a hood supported on one of said arms adjacent to the ignition means, said hood being dish-shaped and comprising a bottom wall and an outwardly flared side wall, perforations in said bottom wall adjacent said side wall, and similar perforations in the side wall adjacent the bottom wall, whereby a gaseous fuel directed against said member from any angle may readily be ignited.

2,180,617
HANDLEBAR STRUCTURE
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 21, 1938, Serial No. 197,290
12 Claims. (Cl. 74—551.1)



1. In a handlebar assembly, a pair of individually adjustable handlebar arms having substantially straight cylindrical portions disposed in laterally spaced relation, a hollow housing for the straight portions of said arms having curved side walls substantially concentric with and forming bearings for the straight cylindrical portions of said arms, and a supporting stem extending between and having means for wedging said straight arm portions laterally against the curved side walls of said housing.

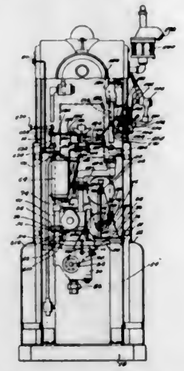
2,180,618
PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 3, 1937, Serial No. 140,332
Renewed May 12, 1939
22 Claims. (Cl. 97—100)



1. In a plow, a draft beam, a plow standard separate from said beam, and means for rigidly joining said beam and said standard in a predetermined angular relation to one another, comprising a unitary casting having divergingly disposed tubular passages formed therein and adapted to receive the ends of said beam and said standard, respectively, there being aligned apertures in the walls of said casting and in said beam and said standard, and bolts disposed therewithin for securing the beam and standard rigidly to said casting, the heads of said bolts being smaller than the apertures associated therewith to permit said heads to seat against the side of said beam and the side of said standard.

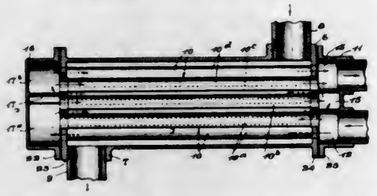
2,180,619
LIQUID DISPENSING APPARATUS
Frederick W. Sturm, Fort Wayne, Ind., assignor to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application April 19, 1939, Serial No. 268,813
4 Claims. (Cl. 221—95)

1. In liquid dispensing apparatus, the combination of a casing having spaced, vertically extending supporting frame members, a transversely extending platform connecting said frame members, a pump disposed below said platform and supported thereon, the suction side of said pump being adapted to be connected to a source of liquid supply, the outlet of said pump being connected to a pipe extending to a point above said platform, an assembly readily removable from said casing including a meter, an air separator and registering mechanism carried by and supported on said platform, said separator being above said meter, said registering mechanism being above said separator, said separator having an inlet provided with a pipe adapted to be connected to said first named pipe, the outlet connection from said separator being connected to the inlet of said meter and forming a support for



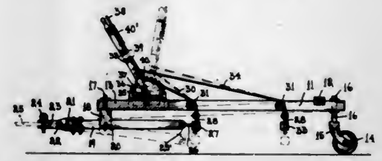
said separator, a discharge pipe from said meter, supporting means interposed between and connected to said separator and registering mechanism whereby said registering mechanism is supported on said separator, a discharge line spaced laterally from said discharge pipe, and offset connecting means adapted to connect said discharge pipe and discharge line but readily removable therefrom.

2,180,620
WATER HEATER AND METHOD OF MAKING SAME
Homer A. Thrush, Peru, Ind., assignor to H. A. Thrush & Co., Peru, Ind., a corporation of Indiana
Application January 31, 1939, Serial No. 253,938
5 Claims. (Cl. 29—157.3)



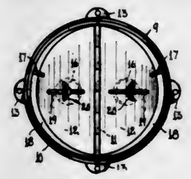
1. A water heater comprising a shell body of cast metal having end walls formed integrally therewith and provided with substantially aligned openings, a plurality of substantially straight tubes of relatively thin gauge material of a heat conductivity considerably higher than that of the shell body located in substantially parallel relation with their opposite ends extending through said openings and expanded into engagement with the walls of the body around said openings to form a fluid-tight joint, said tubes being upset on opposite sides of each of the end walls to provide firm contact and anchorage of the tubes in the end walls, headers at opposite ends of the tubes, said shell being formed with an inlet port at one extremity and an outlet port at the opposite extremity for the circulation of heating water through the shell and around the tubes, one of said headers being formed with partitions defining inlet and discharge passages into and from certain of the tubes and an intermediate chamber sealed off from the inlet and outlet ports operating to reverse the flow of water back to the opposite header through other of the tubes, the latter header being formed with a partition defining sealed chambers arranged to reverse the flow of water first back to said first-named chamber and then back to said outlet passage.

2,180,621
TRAILER CRANE
Jake Thomason and Roy Arnett, Litchfield, Nebr.
Application March 20, 1939, Serial No. 262,940
2 Claims. (Cl. 254—4)



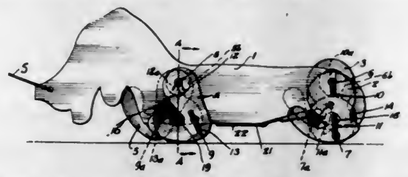
1. A trailer-crane for transporting articles thereunder, comprising a frame of A-shape in plan, wheels at the wider end of said frame for supporting said end above a roadway, a tongue pivotally connected for vertical and horizontal swinging movements under and to the other end of said frame, a universal-joint towing hitch secured to one end of said tongue adapted to be pivotally connected to a tractor for towing said frame and holding said end of said tongue elevated above said roadway, a plurality of spaced apart bars transversely disposed under said frame between said tongue and wheels, a link connection between the other end of said tongue and one of said bars, and means including flexible strands connected to each bar for raising said bars and the narrower end of said frame at times when said end is hitched to said tractor for a transportation of an article removably attached to said bars under said frame.

2,180,622
AIR DRAFT CONTROL APPLIANCE
Cuthbert Vincent, Omaha, Nebr.
Application January 28, 1939, Serial No. 253,299
1 Claim. (Cl. 277—60)



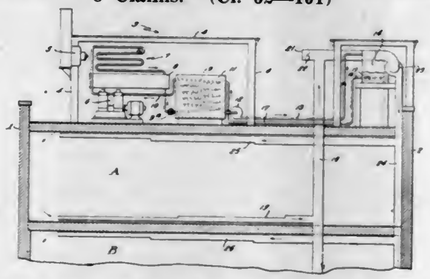
The herein described means for air draft control comprising, in combination with a horizontal air draft pipe provided interiorly with an upwardly and outwardly inclined pintle, a pair of wings each provided with a horizontal slot and swingably mounted on the pintle, a pair of keepers each engaging in a slot of a wing and provided with a weight-member arranged to be secured to a wing at selected distances from said pintle to control the degree of swinging movement thereof for a control of air movements through said draft pipe.

2,180,623
TOY
Harold D. Allen, East Hampton, Conn., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn., a corporation of Connecticut
Application March 8, 1939, Serial No. 260,533
6 Claims. (Cl. 46—105)



5. A toy comprising a figure, wheels upon which said figure is mounted, leg members having an upper and lower slot formed therein movably mounted upon said wheels, a pin eccentrically mounted upon each wheel, each of said pins extending through the lower slot of each leg member, a stationary pin secured to the figure above each wheel and extending through the upper slot of each leg member, a spacer rotatably mounted on each of said stationary pins, the peripheral faces of said spacers and the peripheral faces of said wheels abutting each other, each of the pins cooperating with their respective slots to impart a series of alternate movements to each leg.

2,180,624
METHOD OF REFRIGERATION AND BRINE COMPOSITION THEREFOR
Frederick W. Binns, Quincy, Mass., assignor to Virginia Smelting Company, Portland, Maine, a corporation of Maine
Application January 20, 1936, Serial No. 59,880
8 Claims. (Cl. 62—101)



8. In combination, a refrigerant unit containing an expanding refrigerant gas, a cooling unit containing the medium or substance to be cooled, and a heat transferring liquid in heat exchange relation with the expanding gas and in heat conductive relation with the medium or substance to be cooled and circulated therebetween, said heat transferring liquid being inert with respect to the apparatus of the heat exchange system and including a constituent of such character as to be reactive with said refrigerant gas to form a stable compound miscible with and nonseparable from the heat transferring liquid, and which is inert with respect to the system and does not materially interfere with the heat absorbing and heat delivering values of the heat transferring liquid within the temperature and pressure ranges within which the system is ordinarily operated.

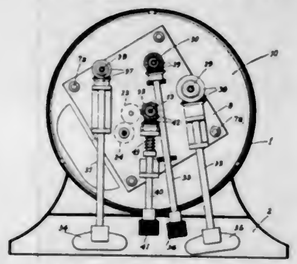
2,180,625
MANUFACTURE OF LAMINATED GLASS
Frederic L. Bishop, Fox Chapel Manor, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 6, 1933, Serial No. 669,741
14 Claims. (Cl. 49—81)

13. In the manufacture of laminated glass, the steps comprising heating a solution comprising a strengthening material and a solvent therefor, heating a glass sheet, forming a layer of said heated strengthening material on said heated glass sheet, said glass sheet and said strengthening material being heated to a temperature sufficient to drive off a portion of the solvent or other liquid in the solution, drying the layer of strengthening material, and thereafter uniting said coated glass sheet to a second similarly coated glass sheet with the layer of strengthening material therebetween.

2,180,626
THERMOPLASTIC COMPOSITION AND PROCESS OF MAKING SAME
Jean Delorme, Aubiere, France, assignor to George Morrell Corporation, Muskegon, Mich., a corporation of Michigan
No Drawing. Application December 13, 1937, Serial No. 179,617
4 Claims. (Cl. 260—119)

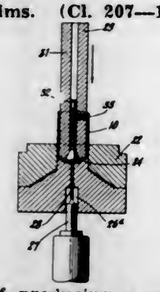
4. The process of producing a thermoplastic solid which consists in subjecting an acid casein to the action of a compound having a benzyl radical in the presence of ethyl alcohol and an alkali carbonate, first at normal room temperature not exceeding 70° C. for a period less than 14 hours and afterward continuously mixing the ingredients and subjecting them to a temperature of approximately 80° C. for a period of from 4 to 8 hours and until a smooth homogeneous paste is produced.

2,180,627
CLOCK
Edward F. Farrens, Stockton, Calif., assignor of forty per cent to Richard Foo, Stockton, Calif.
Application August 16, 1938, Serial No. 225,157
2 Claims. (Cl. 58—125)



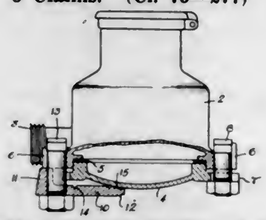
1. In combination with a clock movement having front and rear frame plates, and a minute-hand shaft projecting rearwardly of the rear plate, tie rods connecting the plates and projecting rearwardly of the rear plate, a third plate disposed rearwardly of said rear plate and secured on the projecting portions of the tie rods, another minute-hand shaft turnably supported in said third plate and axially alined with the first named shaft, and a gear train connecting the shafts to cause said second named shaft to turn in a direction opposite to that of the first named shaft and mounted partly on the rear plate and partly on said third plate.

2,180,628
METHOD OF MAKING COLLAPSIBLE CONTAINERS
John H. Fridén, Maplewood, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey
Original application April 30, 1936, Serial No. 77,136. Divided and this application September 28, 1937, Serial No. 166,061. Renewed August 12, 1939
3 Claims. (Cl. 207—10)



2. A method of producing a collapsible tube which comprises squeezing an imperforate slug of extrudable material between a die and a blunt-ended punch under sufficient pressure to cause the metal to flow, and providing an outlet for the metal in the bottom of the die and also around the punch, the outlet in the die bottom being too small for the entry of any portion of the punch and being such as to cause simultaneous extrusion therethrough and around the punch.

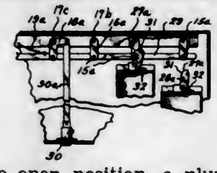
2,180,629
FLUID-METER STRUCTURE
Frederick W. Hanks, Cleveland, Ohio
Application October 25, 1937, Serial No. 170,798
3 Claims. (Cl. 73—277)



1. In fluid-meter construction, a housing, a separable closure plate having a body and a housing-engaging peripheral portion, and lever-means for supporting said closure plate internally of its housing-engaging peripheral portion, said means comprising an L-lever having a long leg bridging beyond said housing-engaging peripheral portion to bear against the body of the closure plate internally of its housing-engaging peripheral portion and a short upstanding leg bearing against the housing lug, and bolt means for joining the lever and lug.

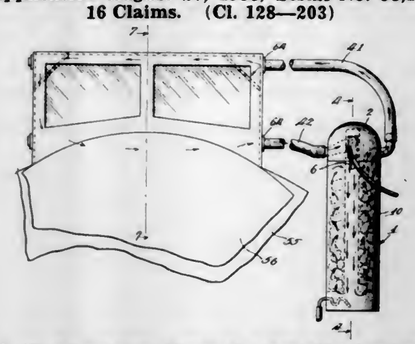
2,180,630
LOCKING DEVICE
Thomas A. Hearn, Ludlow, Ky., assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application December 19, 1938, Serial No. 246,610
2 Claims. (Cl. 45—94)

1. In combination with an article of furniture having a plurality of vertical rows of drawers, said drawers being provided with resiliently rockable hook portions having a cam surface thereon, a number of vertical locking rods equal in number to the number of vertical rows of drawers, said rods mounted for arcuate movement about axes parallel thereto and being connected together for simultaneous movement, means urging



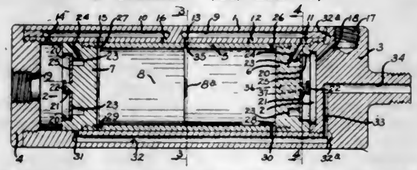
said rods to open position, a plunger type lock for said article of furniture, and a connection between the plunger of said lock and said rods whereby when said lock is locked, said rods are moved to locking position, the resilient mounting of said hook portions and said cam surfaces permitting the locking of a drawer by pushing it in after said lock has been locked.

2,180,631
PORTABLE OXYGEN THERAPY APPARATUS
Frank A. Hetessy, Chicago, Ill., assignor of one-half to Charles M. Helyan, Chicago, Ill.
Application August 27, 1936, Serial No. 98,130
16 Claims. (Cl. 128—203)



1. In an oxygen therapy apparatus having a closed circulating system, an inlet for oxygen under pressure, a combined turbine and blower unit for maintaining constant circulation and operable by said incoming oxygen, said unit comprising a single freely rotatable rotor in the path of circulation.

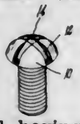
2,180,632
REVERSIBLE SINGLE-LINE FEEDER
David R. Hillis, Detroit, Mich., assignor to Trabon Engineering Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1936, Serial No. 105,781
3 Claims. (Cl. 184—7)



3. In a lubricating device of the character described the combination of a body having a

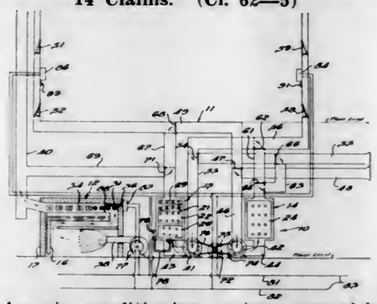
cylinder therein and having lubricant inlet and outlet passages communicating with said cylinder, a plunger shiftable in said cylinder by lubricant pressure for discharging predetermined quantities of lubricant therefrom, and valve means shiftable in said cylinder by lubricant pressure for cooperation with said passages and said plunger, said valve means having a passage therethrough rendered effective by shifting of the plunger and valve means for by-passing lubricant through the device.

2,180,633
SCREW HEAD
Clarence G. Holt, Melrose, Mass.
Application July 19, 1938, Serial No. 220,024
5 Claims. (Cl. 85—45)



5. A screw head having a substantial unrecessed surface portion, said head having four radial grooves extending symmetrically from said central surface portion, each said groove having parallel side walls and a straight bottom starting flush with said central surface portion and sliping radially outward and downward therefrom at an angle of more than 45° with the axis of the screw.

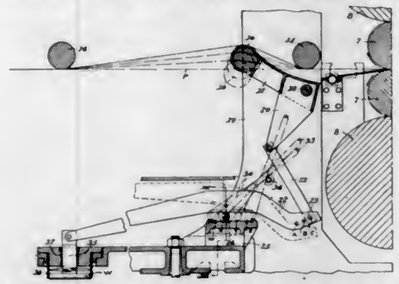
2,180,634
AIR CONDITIONING SYSTEM
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application December 23, 1935, Serial No. 55,725
14 Claims. (Cl. 62—5)



1. An air conditioning system comprising a heat dissipating unit having a liquid condenser therein, a generator for vapor being condensed by said condenser, means for delivering a blast of air upon said condenser for reducing the pressure of the fluid within said condenser, said means being adapted to circulate air to be heated between said heat dissipating unit and a room to be heated, and means responsive to the pressure of the fluid within said condenser for completely controlling the operation of said generator.

2,180,635
METHOD AND APPARATUS FOR COLD ROLLING STRIP METAL
Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1935, Serial No. 31,432
13 Claims. (Cl. 80—35)

1. In the method of cold rolling strip metal in a tandem mill having a plurality of driven stands, the steps consisting in driving the stands each at constant speed, subjecting the strip to successive



cold reductions in the several stands, maintaining the strip under tension between two successive stands, and varying the tension between such stands independently of the driving of the stands.

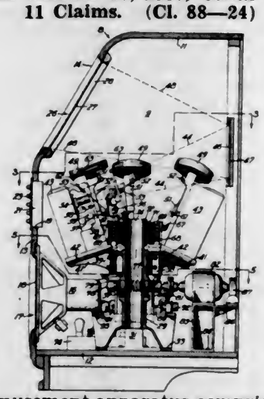
2,180,636
AMINO ACIDS PRODUCT AND METHOD OF MANUFACTURE
Kenneth S. Kemmerer, Evansville, Ind., assignor to Mead Johnson & Company, Evansville, Ind., a corporation of Indiana
No Drawing. Application July 6, 1937, Serial No. 152,236
6 Claims. (Cl. 260—529)

1. Process of preparing a nutrient material suitable for oral, rectal, and intravenous administration, containing all of the amino acids resulting from the hydrolysis of highly purified proteid material, which comprises washing acid-precipitated protein with acidified water until free from mineral salts, refluxing the washed protein with a mineral acid, heating the hydrolyzed material, diluting the material with water, adding barium hydroxide in a quantity sufficient to neutralize the hydrolytic agent, adding activated carbon, filtering the product, concentrating the same under vacuum, carefully adding additional barium hydroxide until complete removal of the hydrolytic agent and freedom from mineral acid is effected, adding hydrogen sulphide to precipitate heavy metals, filtering, concentrating and drying the product.

2,180,637
AMINO ACIDS PRODUCT AND METHOD OF MANUFACTURE
Kenneth S. Kemmerer, Evansville, Ind., assignor to Mead Johnson & Company, Evansville, Ind., a corporation of Indiana
No Drawing. Application August 19, 1938, Serial No. 225,717
5 Claims. (Cl. 260—529)

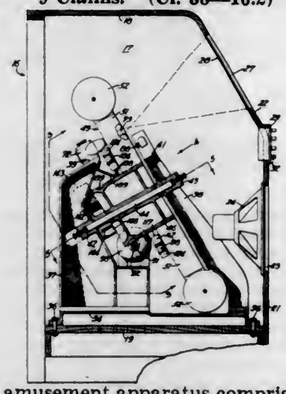
4. The process of preparing from highly purified proteid material, a nutrient product suitable for oral, rectal and intravenous administration and characterized by the preservation therein of all the amino acids naturally occurring in the chosen proteid material, which comprises preparing a mixture of water, highly purified protein, alkali, proteolytic enzymes and easily removable germicidal and bacteriostatic agents, the alkali being sufficient to maintain a pH value of 6 to 9, subjecting the mixture to a digestion period at approximately 100° F. for three to five days, until fairly complete hydrolysis of the protein has taken place and all anaphylactogenic properties of the original protein are lost, adding another portion of the enzymes equal in amount to the original amount used, continuing the digestion for another three to five days, or until there is no increase, from day to day in the amino nitrogen content and protein tests are negative, adding an amount of acid chemically equivalent to the alkali used, adding decolorizing carbon, boiling for a short time, filtering and drying the filtrate.

2,180,638
AMUSEMENT APPARATUS
John H. McMahon and Arthur W. Miller, Berkeley, Calif.
Application October 27, 1937, Serial No. 171,236
11 Claims. (Cl. 88—24)



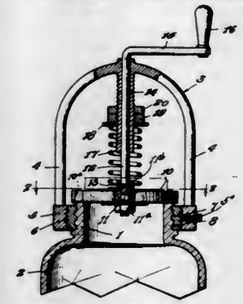
3. An amusement apparatus comprising a cabinet provided with a picture screen, a rotatable support, a plurality of independently operable picture projecting units carried by said support in such manner as to be movable past said screen, a motor for imparting movement to said support, selective control means for said motor, said control means including independently operable selective motor disabling means operable by movement of said support for arresting movement of the motor in such manner as to place a pre-selected projecting unit in operative projecting relation with respect to said screen.

2,180,639
AMUSEMENT APPARATUS
John H. McMahon and Arthur W. Miller, Berkeley, Calif.
Application January 3, 1938, Serial No. 183,110
9 Claims. (Cl. 88—16.2)



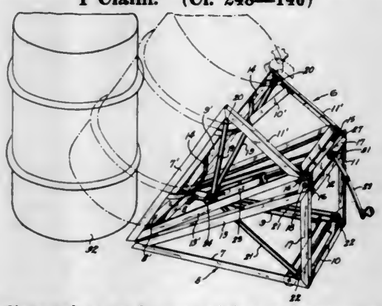
3. An amusement apparatus comprising a cabinet provided with a picture screen, a fixed lamp adapted to project its beam to said screen, a rotatable turret provided with a plurality of radiating supports, a plurality of film projecting units secured to the respective supports, there being one unit for each support, so positioned that during rotation of the turret said units will travel successively past said lamp, a fixed member, a motor for rotating said turret, and selective control means for said motor, said control means including independently operable selective motor-disabling means carried by each support and operable by engagement with said fixed member during rotation of the turret to stop the motor in such manner as to place the projector of a preselector projecting unit in register with said lamp and said screen.

2,180,640
FRUIT JAR GRINDER
Arthur V. Mikalson, Arlington, Wash.
Application April 24, 1939, Serial No. 269,721
7 Claims. (Cl. 51—241)



4. A grinder for a jar neck comprising a U-shaped yoke, a tubular sleeve carried by said yoke and extending inwardly therefrom, a shaft slidably and rotatably received through said sleeve and having turning means at its outer end, means for removably mounting the yoke in straddling relation to the neck of the jar, a grindstone carried by the inner end of said shaft, a spring for urging the shaft and stone toward the inner end of said yoke, and abutment means for the outer end of said spring carried by said sleeve and adjustable longitudinally thereof for placing the spring under predetermined tension.

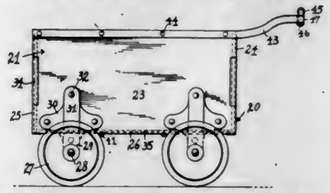
2,180,641
DISPENSING RACK
Peter Milton, Milwaukee, Wis., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 5, 1937, Serial No. 124,197
1 Claim. (Cl. 248—140)



A dispensing rack comprising a base, uprights

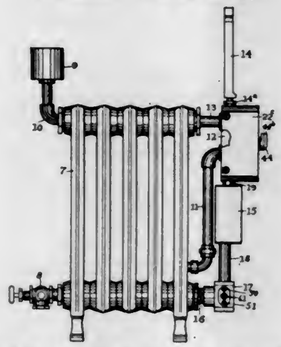
rising from one end of said base on opposite sides thereof, a frame member including inverted L shaped sides which are pivotally connected at one end to said uprights whereby said frame is adapted to swing in a vertical plane, the ends of the L shaped sides of the frame remote from the pivot being adapted to swing from a position near the base to a position substantially above the point of pivotal connection, and means including a screw for raising and lowering said frame.

2,180,642
FOLDABLE TRUCK
George Mochan, New York, N. Y.
Application November 17, 1938, Serial No. 240,926
4 Claims. (Cl. 280—36)



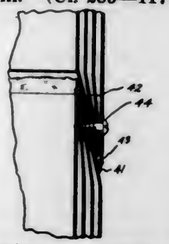
1. In a foldable vehicle, a box-shaped upper structure, said upper structure having side walls and a bottom, each two adjacent side walls being pivoted to one another, and said bottom being pivoted on one of the side walls, a support on one of the other side walls for said bottom, releasable means on said bottom and on one of said walls, respectively, the engagement of said means securing said bottom and said side walls into their normal operative position, while the releasing thereof permitting the folding of said upper structure with the wheels thereon into a flat condition, substantially along one plane.

2,180,643
MULTICONTACT THERMAL-CONTROL APPARATUS
William B. Mullin, Seattle, Wash.
Application October 1, 1938, Serial No. 232,788
1 Claim. (Cl. 219—20)



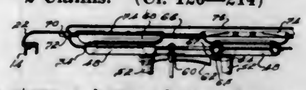
In combination, a radiator structure having a chamber adapted to retain a fluid heating medium, an electric heating element disposed in said chamber, a plurality of bar-shape thermostats fastened at one end flat against a metallic wall exposed to heat from any fluid in said chamber adapted to be curved outward from said wall thereby, said metalic wall adapted to have the temperature of any fluid within said chamber, a plate of electric insulation, a plurality of spring circuit-breaking contact strips each disposed flatwise opposite one of said thermostats spaced therefrom fastened at one end to said insulation plate, screws adjustably engaged in said contact strips extended toward said thermostats spaced therefrom at varying distances, electric insulation disposed between said screws and said thermostats to insulate said screws from electric contact with said thermostats, a bus-bar fastened on said plate disposed for electric contact by the free ends of said spring contact strips, a manually operable switch contact arm mounted for oscillation on said plate to connect electrically with each and none of said contact strips in turn, and means to establish a service electric current through said electric heating element operable when said switch arm electrically connects with one of said contact strips then in contact with said bus-bar, unoperable when said thermostats curve and one pushes said one contact strip out of electric contact with said bus-bar and again operable when said thermostats straighten and said one spring contact strip may return to contact said bus-bar.

2,180,644
CONDUIT CONSTRUCTION
Robert E. Peck, Cincinnati, Ohio, assignor, by direct and mesne assignments, of nine-twentieths to William Burchenal, and one-twentieth to Morss Lippincott, both of Cincinnati, Ohio
Application June 11, 1936, Serial No. 84,729
1 Claim. (Cl. 285—117)



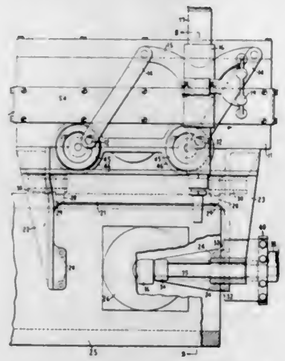
Conduit construction composed of spun rectangular sections of air cell, fibrous, non-inflammable material, having compressed end edge connecting portions, and cement forming a bond between edge connections with metal screws extending through said connecting portions.

2,180,645
STOVE
Alvin G. Sherman, Detroit, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application April 3, 1935, Serial No. 14,390
2 Claims. (Cl. 126—214)



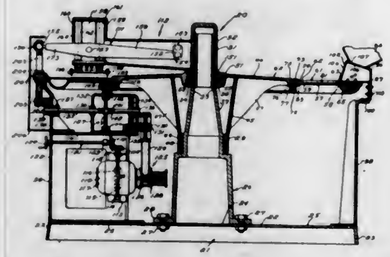
1. In a stove, a burner box, a top panel having a depressed portion over said burner box, burners in said burner box, and a second panel positioned within the depressed portion of the top panel and lying beneath the upper level of said top panel but above said burners, said second panel having annular troughs formed above each burner, each of said panels being provided with an aperture above each burner, said burners being ring-shaped and having inwardly directed flame ports which project a flame through the apertures in said panels and clear of the edges thereof.

2,180,646
CUTTING MACHINE
Donald L. Smith, Dunellen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 14, 1936, Serial No. 90,471
6 Claims. (Cl. 266—23)



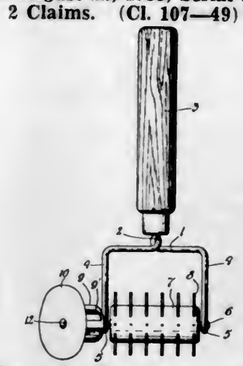
1. A machine of the character described, including a housing, a shaft extending through a wall of the housing, an eccentric in which the shaft turns, said eccentric being rotatable in the wall of the housing, an arm fixed on the shaft, torch-holder means supported by the arm, and guide means within the housing constructed and arranged to cause the eccentric to move into a definite angular position for each angular position of the shaft so that the torch-holder on the arm is held to a fixed course.

2,180,647
FRUIT PITTING MACHINE
Carl H. Steinbiss, San Francisco, Calif., assignor to Lyons-Magnus, Incorporated, San Francisco, Calif., a corporation of Delaware
Application October 21, 1937, Serial No. 170,274
13 Claims. (Cl. 146—19)



1. A fruit pitting machine comprising a conveyor adapted to be continuously moved and having pockets for receiving fruit to be pitted, means for pitting said fruit, a fruit receiving chamber extending along the outer edge of said conveyor and moving with said conveyor, guard means extending along the edge of said conveyor, and plate means connected to said guard means at predetermined points and projecting over said chamber and said conveyor, said plates providing stations for manual loading of the pockets of said conveyor.

2,180,648
KITCHEN UTENSIL
William E. Thompson, Winnipeg, Manitoba, Canada
Application August 22, 1938, Serial No. 226,182
2 Claims. (Cl. 107—49)



1. A kitchen utensil for trimming and perforating the pastry of pies and the like, comprising in combination, a frame, a handle secured upon the rearward end of said frame, the forward end of said frame consisting of a pair of spaced, forwardly projecting arms, an axle secured upon the forward ends of said arms, one end portion of said axle extending for a short distance beyond the adjacent arm and being angled obliquely to the main body portion thereof, a roller rotatably mounted upon said axle and between said arms, a plurality of spikes, said spikes being radially secured in even spaced relationship upon the peripheral surface of said roller and a second roller having a corrugated peripheral surface, said second roller being rotatably secured upon said end portion of said axle.

2,180,649
NONSKID TIRE
David E. White, Silver Spring, Md.
Application July 20, 1938, Serial No. 220,353
15 Claims. (Cl. 152—209)



1. A tire for vehicles having a tread comprising a plurality of ribs, each rib having a tensioned portion and another substantially untensioned portion forming part of the same rib.

2,180,650
METHOD OF MAKING A NONSKID TIRE
David E. White, Silver Spring, Md.
Application July 20, 1938, Serial No. 220,354
11 Claims. (Cl. 154—14)



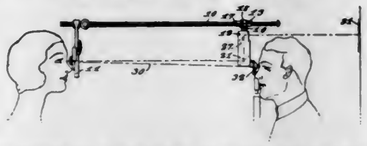
1. The method of forming a tire rib, which consists in slicing a ring from a rubber cylinder, turning said ring on its side to provide a tire rib having sides under unequal tension, and attaching said ring to the periphery of a tire part.

2,180,651
FASTENING DEVICE
Frederick W. Williams, Honolulu, Territory of Hawaii
Application May 4, 1937, Serial No. 140,729
8 Claims. (Cl. 72—118)



6. A one piece sheet metal blind fastener for attaching wallboards and the like to a support, said fastener including a prong adapted to penetrate the wallboard, a second prong adapted to penetrate the support and having its inner end disposed in contiguous relation with the inner end of the first prong, and means extending laterally from the inner end of the second prong provided with an inwardly projecting spur adapted to penetrate the wallboard after penetration thereof by said first prong.

2,180,652
EYE TESTING INSTRUMENT
Walter R. Wilson, Douglas, Ga.
Application August 17, 1937, Serial No. 159,563
1 Claim. (Cl. 88—20)



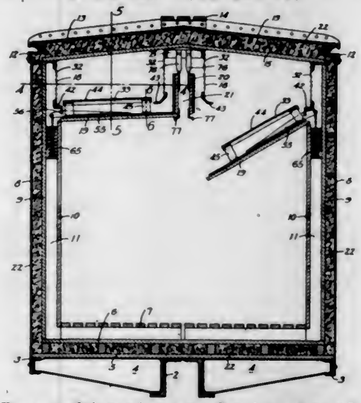
Eye testing apparatus comprising a horizontally disposed rod, a lensed instrument extending downward from one end of the rod through which a patient may maintain vision in a direction along the length of the rod below the rod, a casing rotatively mounted on a vertical axis of rotation on the rod extending downward from the opposite end of the rod within said line of vision of the patient and above a line of vision of an operator sighted from in rear of and below the casing to the lensed instrument to permit the operator obtaining a view of the patient's eyes in natural condition back of the lensed instrument, inclined mirrors extending parallel with each other in the casing and exposed through respective openings in the casing to form a periscope when one side of the casing is turned toward the patient, and a chart carried by the casing and exposed to the line of vision of the patient when another side of the casing is turned toward the patient.

2,180,653
CONTAINER
William O. Yancey and Iva Lee Erlach, San Francisco, Calif.
Application July 12, 1938, Serial No. 218,825
2 Claims. (Cl. 35—1)

1. A toy for instruction in shoe lacing, comprising a body providing a container and shaped to simulate a shoe, said body being open throughout one entire side thereof, top, front and bottom walls included in said body, a tongue simulating portion included in the front wall, a side wall hinged to the bottom wall for closing the open side of the body and extending a substantial distance forwardly beyond the tongue simulating portion, a fixed side wall likewise extending a substantial distance forwardly beyond the tongue simulating portion, the forwardly extending portions of both side walls being in parallelism with each other and cooperating with the front wall to provide a deep recess throughout the upper portion of the front of the body, said forwardly extending portions each having a row of openings therein disposed for registration and adapted to have a lace threaded therethrough in bridging relation to the recess, and said lace acting to hold the hinged side wall in closed position.



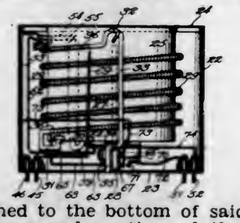
2,180,654
REFRIGERATOR CAR
Kurt E. Zeidler, Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application August 1, 1938, Serial No. 222,382
9 Claims. (Cl. 62—16)



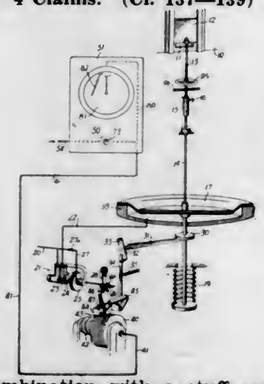
1. In a refrigerator car having spaced apart walls, a main floor and a roof provided with a hatch in combination with a refrigerant container below the hatch, a substantially horizontal drip pan below said container, the bottom of said container being secured to the drip pan independently of the rest of the container, said drip pan and the bottom of said container being hinged to the car structure for simultaneous swingable movement to remove the refrigerant from the container, and means to detachably secure said drip pan in its horizontal position.

2,180,655
ELECTRIC SIPHON COFFEE MAKER
Louis Michael Abbate, Chicago, Ill.
Application March 1, 1938, Serial No. 193,345
5 Claims. (Cl. 219—43)

1. In an electric coffee maker, a cylindrical lower unit and a correspondingly cylindrical upper unit detachably mountable on said lower unit, said lower unit comprising an outer casing and a concentric inner beverage receptacle in spaced annular relation to said outer casing, a coffee holding and filtering element located in the upper portion of said beverage receptacle in the lower unit, said upper unit comprising an outer casing and a concentric water receptacle within said outer casing in spaced annular relation thereto, a helical siphon pipe coil surrounding said water receptacle in said upper unit casing, the lower end of said coil being communicably attached to the bottom of said receptacle and the upper end portion of the coil being looped upwardly in a plane above the normal level of the water in said receptacle and having a downward vertical extension from said looped portion terminating in discharging relation below the receptacle and above the coffee holding and filtering element of said lower unit, and means for heating said siphon pipe coil.



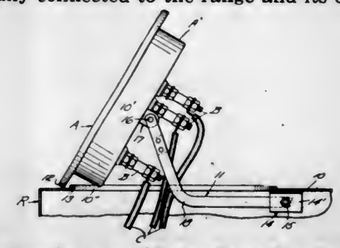
2,180,656
STUFF GATE CONTROL
Albert Allen, Sharon, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application November 26, 1937, Serial No. 176,417
4 Claims. (Cl. 137—139)



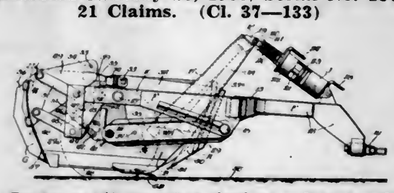
1. In combination with a stuff gate, a fluid pressure motor for actuating the gate, a fluid supply line to the motor, control means for controlling the supply of fluid to said motor including first means frictionlessly responsive to a remote manual adjustment, second means responsive to gate position, and means for translating the action of said first and second means into control effects whereby said motor positions the gate in correspondence to the adjustment of said frictionlessly responsive means.

2,180,657
ELECTRIC RANGE
Oscar M. Anderson, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application February 27, 1937, Serial No. 128,226
6 Claims. (Cl. 219—37)

6. In an electric range, a horizontal top having an aperture therethrough, an electrical hot plate located in said aperture and supported by said top, said hot plate having a depending part provided with an aperture, a pivot member closely fitting said aperture, and a link having one end pivotally connected to the range and its opposite end connected to said pivot member to permit movement of said hot plate about a horizontal axis through the pivot member of said connection whereby said plate may be raised horizontally to clear said top and then tilted relatively thereto.

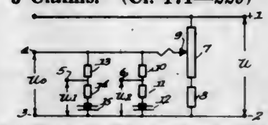


2,180,658
EARTH MOVING DEVICE
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Co. Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application January 26, 1938, Serial No. 187,020
21 Claims. (Cl. 37—133)



8. In an earth moving device, a frame, wheels for supporting said frame, a bowl pivoted to said frame and including sides and a bottom, a front apron, a rear gate, means for relatively adjusting said frame and wheels for raising and lowering said bowl relative to the ground surface for scraping and carrying purposes, and an adjustable lost motion connection between said wheels and said bowl which folds to permit movement of the bowl during the scraping and carrying operations and which effects pivotal movement of said bowl to dumping position when said means is adjusted to an excessively high carrying position.

2,180,659
MULTIPLE VOLTAGE DIVIDER
Herbert Bähring, Berlin-Zehlendorf-Mitte, Germany, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application March 3, 1938, Serial No. 193,801
In Germany March 3, 1937
3 Claims. (Cl. 171—229)



1. A circuit for simultaneous variation of a plurality of voltages through ranges of different magnitude and of different percentage of variation by operation of one control element only, comprising a variable voltage-divider possessing

a tap, means for producing a voltage drop between the tap and one terminal of said voltage-divider, means for applying said voltage to a work circuit, a series combination of a source of substantially constant voltage and a fixed voltage-divider possessing a tap, said series combination being shunted across said variable voltage-divider between the tap thereof and said terminal, and means for applying the voltage produced between the tap of said fixed voltage-divider and said terminal of said variable voltage-divider to another work circuit.

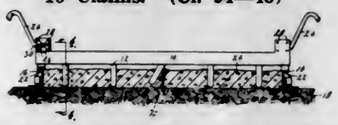
2,180,660

APPARATUS FOR CONSOLIDATING PLASTIC MATERIALS

Robert William Baily, Narberth, Pa.

Continuation of application Serial No. 725,580, May 14, 1934. This application December 8, 1936, Serial No. 114,877

15 Claims. (Cl. 94—48)



1. Apparatus of the character described comprising a supporting member, a plurality of material vibrators pivotally attached thereto and depending normally substantially vertically from their pivots into the material to be vibrated, said supporting member being movable substantially parallel relative to the surface of the material and means for vibrating the supporting member in a horizontal plane and thereby imparting vibrations to said material vibrators.

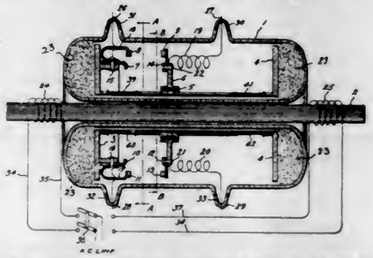
2,180,661

VACUUM SWITCH

Sydney N. Baruch, New York, N. Y., assignor to Nortron Patents Corporation, New York, N. Y., a corporation of New York

Application May 11, 1938, Serial No. 207,263

11 Claims. (Cl. 200—91)



1. A vacuum switch comprising a rarefied envelope, a magnetizable core extending through the axis of said envelope, but not within the envelope, leads, contacts, and means for magnetizing said core to open said contacts.

2,180,662

DETACHABLE ELECTRICAL CONNECTOR

John Everett Benoit and Clifford B. Reynolds, Willsboro, N. Y.

Application August 20, 1938, Serial No. 225,976

6 Claims. (Cl. 173—343)

5. In a detachable electrical connection, a plug member having a body, a pair of conducting prongs extending from the body and separated by a non-conducting bridge spaced from the body, a socket member provided with an end wall having an aperture capable of admitting said prongs and bridge on endwise movement of the same and having a pair of slots extending through the end wall and opening into said aperture and adapted to admit said prongs only on edgewise movement of the same, a portion of the



interior of the socket member being hollow to provide a recess, a stop disposed between said slots and between said recess and end wall adapted to cooperate with the bridge to prevent endwise withdrawal of the plug member when the bridge is received in said recess, and contact elements positioned in the socket member for engagement with the prongs.

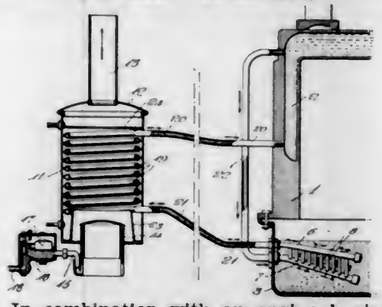
2,180,663

CRANKCASE OIL HEATER FOR ENGINES

Adelard P. Bergeron, Edward J. Page, and Alec C. Rushia, Claremont, N. H.

Application September 16, 1938, Serial No. 230,346

3 Claims. (Cl. 123—174)



1. In combination with an engine having an oil pan, a radiator in said pan adjacent the bottom thereof, a water heating coil disposed exteriorly of said engine, means connecting the coil with said radiator and with the water jacket of the engine, a water discharge connection between said water jacket and said radiator, and an oil burner for heating the water in said coil.

2,180,664

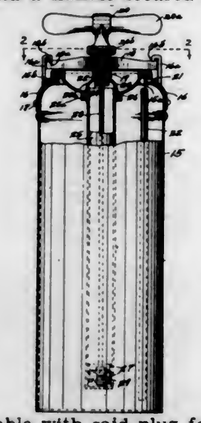
DISPENSING TANK CLOSURE STRUCTURE

Henry E. Brandt, North St. Paul, Minn., assignor to Dobbins Manufacturing Company, North St. Paul, Minn., a corporation of Minnesota

Application June 5, 1936, Serial No. 83,660

18 Claims. (Cl. 221—77)

1. A sprayer construction having in combination, a container having an opening at its upper end with a portion extending around said opening, a cover too large to enter said opening for closing said opening engaging the top of said portion around said opening, a member engageable with and removable from said container and extending over and disposed entirely above said cover, a plug threaded into said member and engaging said cover to press the same to closing position, a plump plunger rod extending through said plug and a handle secured to said plunger



rod engageable with said plug for carrying said container and rotating said plug and releasable from said plug for reciprocating said plunger rod.

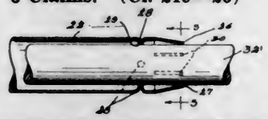
2,180,665

ELECTRICALLY HEATED TOOL

Bertrand F. Bruggerman, Los Angeles, Calif.

Application February 1, 1939, Serial No. 254,092

6 Claims. (Cl. 219—26)



1. An electric soldering device having an electrically insulated handle, an electric current conducting hollow sleeve supported at one end by said handle, and a carbon tip coaxially supported within the other end of said sleeve and spaced from the interior walls thereof to form a heat insulating air space between the carbon tip and the sleeve, and a slotted portion in said sleeve communicating said space with the atmosphere.

2,180,666

ANTIOXIDANT

Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 29, 1934, Serial No. 746,268

15 Claims. (Cl. 18—50)

1. The process of preserving rubber which comprises treating the same with a composite product obtained by causing a primary aromatic amine to react with a saturated monohydric aliphatic hydrocarbon alcohol in approximately molar proportions at a temperature between about 275° C. and 300° C. for a period of about 7 to 15 hours.

2,180,667

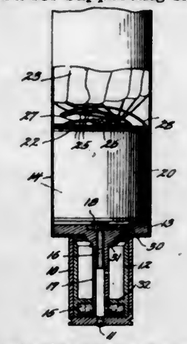
PARACHUTE SIGNAL

Josef B. Decker, Elkton, Md., assignor to Triumph Explosives, Inc., a corporation of Maryland

Application April 13, 1938, Serial No. 201,818

7 Claims. (Cl. 102—24)

1. A signal projectile including, in combination, a casing having a closed base, a pyrotechnic signal and parachute housed in said casing, means to eject the casing contents, lanyards on said parachute, a cord for supporting said signal from



said lanyards and cable means for supporting said casing from said lanyards, said cable means passing through the base of said casing, and including a loop outside of said base, said loop encircling a portion of the base of reduced diameter.

2,180,668

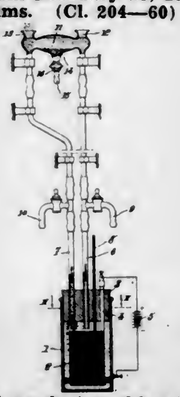
PROCESS FOR THE ELECTROLYTIC PREPARATION OF OXYCHLORINE SALTS

Lucien Delavenna and Jean Maillard, Paris, France

Application February 13, 1936, Serial No. 63,801

In Belgium February 25, 1935

5 Claims. (Cl. 204—60)

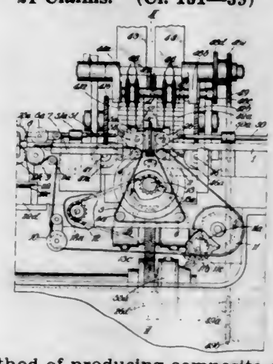


1. A method of producing chlorates of alkali and alkaline earth metals and hydrogen by electrolysis from the corresponding chlorides in aqueous solution, comprising circulating the electrolyte along a single path, under the action of the hydrogen developed by the electrolysis, between a closed and diaphragmless electrolytic cell and a vessel positioned at a level above the cell sufficient to produce a pressure in the cell of about 400 grams per square centimeter, maintaining the electroyte saturated by constant addition thereto, in said vessel, of said chloride in crystalline form, collecting the chlorate in said vessel, and permitting the escape of the hydrogen at the upper part of said vessel.

4. A method of producing oxychlorine salts of the alkali and alkaline earth metals by electrolysis from the corresponding chlorides in aqueous solution, comprising circulating the electrolyte along a single path, under the action of

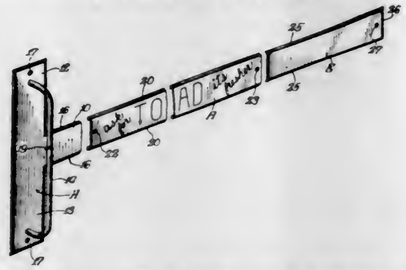
the hydrogen developed by the electrolysis, between a closed and diaphragmless electrolytic cell and a vessel positioned at a level above the cell sufficient to produce a pressure in the cell of about 400 grams per square centimeter, maintaining the electrolyte saturated by constant addition thereto, in said vessel, of said chlorides in crystalline form, removing the oxychlorine salts formed, and permitting the escape of the hydrogen at the upper part of said vessel.

2,180,669
MANUFACTURE OF CIGARETTES
William Frederick Maitland Edwards, London, and Rowland Frank May, Middlesex, England, assignors to Filter Tips Limited, London, England, a British company
Application December 20, 1934, Serial No. 758,504
In Great Britain December 23, 1933
21 Claims. (Cl. 131—39)



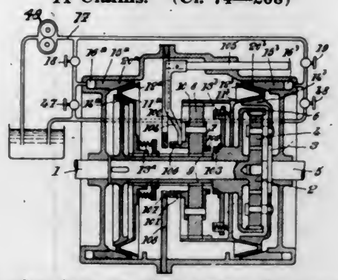
1. A method of producing composite cigarettes, wherein cigarettes or lengths of cigarette rod fed in a continuous stream are accelerated to form spaces permitting the assembly of lengths of insertion in line with the cigarettes or lengths of cigarette rod and to cause the latter to butt against the lengths of insertion, and wherein, during the continued forward travel of the assembled lengths butted one against the other, bands of external tipping material are applied to unite the same.

2,180,670
ADVERTISING DOOR PULL
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application February 20, 1939, Serial No. 257,323
10 Claims. (Cl. 40—125)



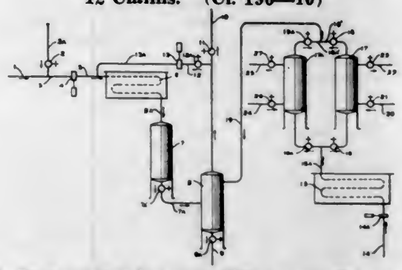
1. In a door pull, a handle plate adapted to be attached to the surface of a door adjacent one side thereof, an advertising plate telescopically connected with and extending laterally from said handle plate at a point substantially midway between the upper and lower ends thereof, said advertising plate being adapted for either end thereof to connect with and be supported by said handle plate and an extension plate for telescopic connection with the other end of said advertising plate.

2,180,671
PLANETARY TRANSMISSION SYSTEM
Gaston Fleischel, Bieneau, Yonne, France
Application January 31, 1939, Serial No. 253,907
In France February 5, 1938
11 Claims. (Cl. 74—268)



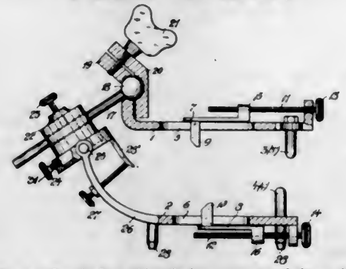
1. A planetary gearing system for connecting two shafts, which comprises, in combination, a main planetary train and at least one coupling planetary train, each of these trains comprising three elements, means for permanently connecting two elements of said main train to said shafts, respectively, the elements of said coupling train being rotatable with respect to said shafts, means for detachably connecting one element of said coupling train with the third element of said main train or for immobilizing said element of the coupling train, and means for controlling the two other elements of said coupling train.

2,180,672
PROCESS FOR CONVERTING GASEOUS HYDROCARBONS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 16, 1936, Serial No. 80,160
Renewed January 26, 1939
12 Claims. (Cl. 196—10)



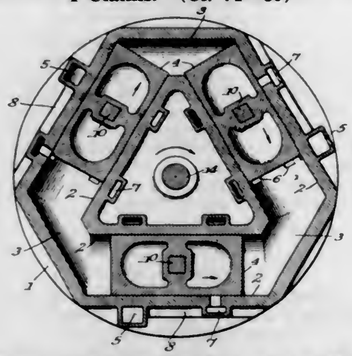
1. In a process for converting normally gaseous hydrocarbons into organic products of higher molecular weight predominantly hydrocarbons, passing normally gaseous hydrocarbons admixed with oxides of carbon into contact with a catalytic body containing a metal of the iron group in intimate admixture with a difficultly reducible oxide of the group alumina, thoria, zirconia, chromium oxide at a temperature between 150° and 350° C. whereby the hydrocarbons and oxides of carbon react to yield the said organic products, then separating from the catalytically treated gases the higher molecular weight organic products.

2,180,673
ARTICULATOR
Mario Galetti, Milan, Italy
Application January 15, 1937, Serial No. 120,789
In Italy January 31, 1936
3 Claims. (Cl. 32—32)



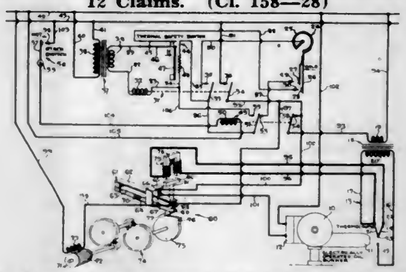
1. In a dental articulator comprising two articulated sections each adapted to support a plaster model, a rod connected by means of a ball and socket joint at one of its ends to one of said sections, a support for the second section in which support said rod is slidably and rotatably engaged, a ring rotatably retained on said support, and means connecting the ring to the second section, said means being pivoted to the ring about an axis at right angles to the axis of rotation of the ring, the support for the second section having an inner member encircled by said ring, an outer ring member, said inner support member being encircled by said first-mentioned ring member, both the support member and said outer ring member being formed with openings through which the connecting rod extends, and said support member having also a clamp screw arranged to clamp said rod to the support and to clamp the ring members against rotation thereon.

2,180,674
INTERNAL COMBUSTION ENGINE
John Harlin Geisse, Washington, D. C.
Application July 24, 1937, Serial No. 155,533
4 Claims. (Cl. 74—50)



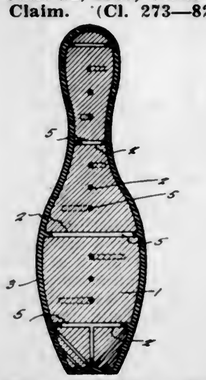
1. In combination, cylinders arranged in the form of a polygon, pistons operable in said cylinders, a crankshaft, and a single functionally solid transmission member interconnecting the pistons and crankshaft.

2,180,675
FUEL COMBUSTION CONTROL SYSTEM
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 6, 1936, Serial No. 94,502
12 Claims. (Cl. 158—28)



1. A switch comprising two relatively movable contact members, means for controlling the movement of said members into engagement, said means being operative only when said members are in a predetermined position relative to said means, a second means operative to periodically move said members while spaced apart from each other into said predetermined position, and means operable upon said contact members being brought into engagement to render said last named means inoperative while said contact members are in engagement.

2,180,676
BOWLING PIN
Isadore E. Guimond, Kankakee, Ill.
Application June 21, 1939, Serial No. 280,402
1 Claim. (Cl. 273—82)

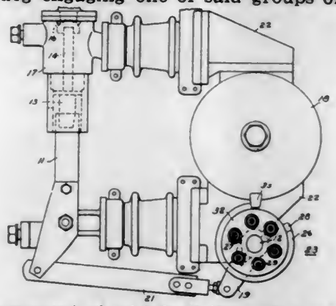


A bowling pin comprising a body having a plurality of passages extending therethrough, a rubber covering enclosing the body, and ties integral with the rubber covering extending through the passages and constituting means for retaining said covering on the body.

2,180,677
DISK BRAKE
Arnold Haller, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application June 1, 1936, Serial No. 82,712
In Germany June 3, 1935
7 Claims. (Cl. 200—153)

1. An electric switch comprising a frame, a

movable contact member, a rotary shaft supported by said frame for actuating said contact member, and means for limiting the movement of said shaft and comprising a pair of interleaved groups of disks relatively movable in frictional engagement, and a dog engaging one of said groups of disks



upon movement of said shaft through a predetermined angular position for braking said shaft by the friction between said groups of disks and engaging the other of said groups of disks upon further movement of said shaft into another predetermined angular position to stop said shaft.

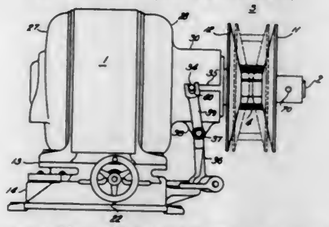
2,180,678

ADJUSTABLE SPEED DRIVE

Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California

Application June 26, 1934, Serial No. 732,452

14 Claims. (Cl. 74—230.17)



1. In an adjustable speed drive having a belt in active power transmitting relation to a driving pulley structure and to a driven pulley structure, one of said pulley structures having a positively adjustable effective diameter, and the center distance between the axes of said pulley structures being variable, the combination therewith of positive means for adjusting the center distance between the axes of said pulley structures, means for adjusting the effective diameter of said positively adjustable pulley structure in accordance with the adjustment of said center distance, means for interlocking said center distance adjusting means with said pulley diameter adjusting means, and means for adjusting the relative rates of adjustment of said center distance and of the effective diameter of said adjustable pulley structure.

2,180,679

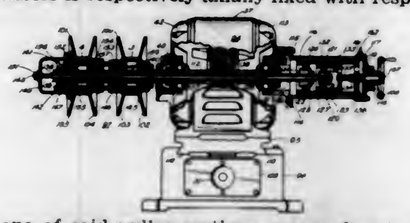
MULTIPLE BELT ADJUSTABLE SPEED DRIVE SYSTEM

Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California

Application April 15, 1935, Serial No. 16,340

4 Claims. (Cl. 74—230.17)

2. In an adjustable speed drive, a shaft, an adjustable pulley structure mounted on said shaft, said adjustable pulley structure having a pair of pulley sections with opposed inclined belt engaging faces, forming by relative axial adjustment variable effective pulley diameters, a pair of bearing members, means whereby each of said bearing members is respectively axially fixed with respect



to one of said pulley sections, means forming a pair of bearing housings for respectively engaging said pair of bearings, and means for adjusting the axial positions of said bearing housings by substantially equal and opposite amounts, one of said bearing housings providing means for guiding the axial movement of the other of said bearing housings.

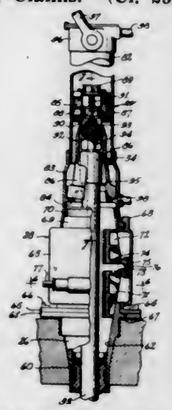
2,180,680

CASING HEAD FOR PRESSURE DRILLING

Frederic W. Hild, Los Angeles, Calif.

Application November 2, 1936, Serial No. 108,777

11 Claims. (Cl. 255—1)



1. In a snubbing jack for engaging a drill string or casing in a well, an elongated fluid pressure cylinder closed at one end and having an open end for detachable connection to the top of a well column, a piston therein, means for passing fluid under pressure to either side of the piston, and valve means for automatically draining the cylinder and operated, after removal of the cylinder from the well column, upon standing the cylinder on its bottom.

2,180,681

CONVEYER

Fred P. Johnson, Raeford, N. C.

Application February 18, 1938, Serial No. 191,282

5 Claims. (Cl. 198—213)

1. In an apparatus for conveying cotton seed and the like, the combination of a rotary conveyer screw, an open sided tubular member concentrically and rotatably mounted about said screw, a stationary tubular member concentrically mounted relative to said first tubular member,

and means disposed on the first tubular member, upon the rotation thereof, for engaging the in-



terior surface of the stationary tubular member to gather the material therefrom into the first tubular member.

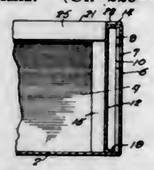
2,180,682

LIGHTPROOF SHIPPING CONTAINER

Anthony Lapara, New Orleans, La., assignor to Great Southern Box Company, Inc., Southport, La., a corporation of Louisiana

Application June 7, 1938, Serial No. 212,337

3 Claims. (Cl. 229—33)



2. Shipping container of the type formed by folding a blank of sheet material along predetermined lines of fold, comprising bottom, front and back panels and hollow ends fixedly related to said panels, said ends including spaced inner and outer walls, lateral extensions from the ends of said front and back panels, the front and back panel extensions being folded toward one another and in contact with the outer walls of said ends and secured thereto, making said outer walls of double-ply thickness, said outer walls being provided with hand holes through both plies, and said inner walls being imperforate whereby light entering said hand holes is excluded from the interior of said container.

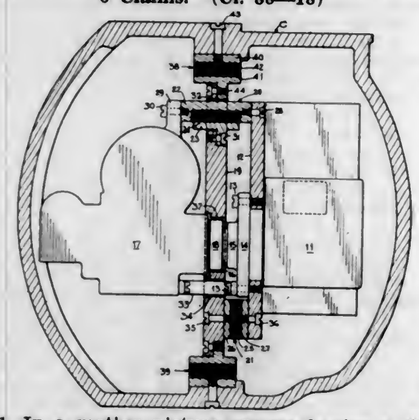
2,180,683

SOUND INSULATION MEANS FOR MOTION PICTURE CAMERAS

Grover Laube, Robert Colby Stevens, and Charles Melvin Miller, Los Angeles, Calif., assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York

Application December 11, 1937, Serial No. 179,322

6 Claims. (Cl. 88—18)



1. In a motion picture camera having a film moving mechanism, a gear drive and a case, means for mounting said film moving mechanism and said gear drive within said case, said means including elastic members mounted upon said case, a comparatively large, dense, heavy plate mounted upon said elastic members, elastic members mounted upon said plate and means for mounting said intermittent film moving mechanism and said gear drive upon said last mentioned elastic members.

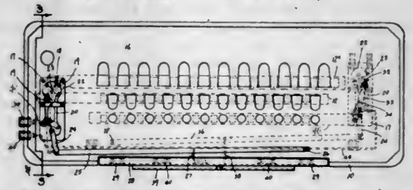
2,180,684

DOUBLE BASS SHIFT FOR ACCORDIONS

Carl Lindeberg, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation

Application July 29, 1938, Serial No. 221,919

8 Claims. (Cl. 84—376)



1. In a piano accordion including a bass section box having parallel sliding valves therein, a pair of shift mechanisms each operatively connected with one of said valves, an actuator bar hingedly mounted along one edge of the bass section box operatively connected with one of said shift mechanisms, and a second actuator bar hingedly connected to said box in alignment with the hinged connections of the first-mentioned bar positioned midway between the ends thereof, and means for operatively connecting said second-mentioned bar to the other of said shift mechanisms.

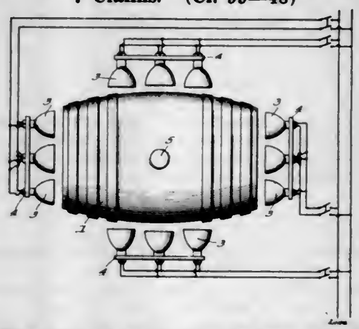
2,180,685

PROCESS FOR THE ARTIFICIAL MATURING OF ALCOHOLIC LIQUORS

Lucius Freeman Little, Owensboro, Ky.

Application October 23, 1934, Serial No. 749,636

7 Claims. (Cl. 99—48)



7. The process of treating whiskey which consists in subjecting the whiskey while in contact with charred wood to the action of infra-red rays.

2,180,686

SKI PROTECTOR

Alec Lorinovich, Springfield, Vt.

Application April 28, 1939, Serial No. 270,677

2 Claims. (Cl. 280—11.37)

1. A ski protector of the class described com-

prising a cover of flexible material for the reception of a ski, said cover having an opening extending across its rear end and along the rear portion of one side for the insertion and removal of the ski, and means for closing the opening, said



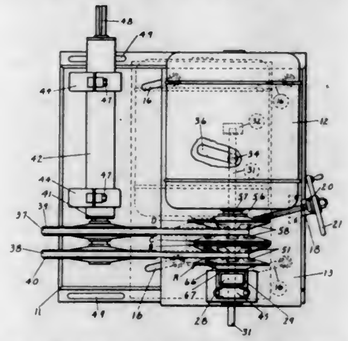
cover conforming substantially to the shape of the ski and including a curved forward end portion accommodating the corresponding end portion of the ski and further including a raised intermediate portion accommodating the ski binder.

2,180,687

VARIABLE SPEED PULLEY

Isaac E. McElroy and Richard H. Shadrick, Minneapolis, Minn., assignors, by mesne assignments, to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California

Application June 9, 1933, Serial No. 675,140
29 Claims. (Cl. 74—230.17)



10. A variable-speed transmission of the character described, including: a belt; a motor, a shaft member; a pair of pulleys over which said belt runs, one of said pulleys being mounted on said motor and the other on said shaft member, one of said pulleys being of adjustable V-type having a fixed flange and an axially movable flange; adjusting means for positively and directly moving said movable flange relative to said fixed flange as desired so as to vary the effective diameter of said adjustable pulley; and means operative in consequence of said adjusting means to shift said motor to keep said pulleys in operative alignment through all positions of adjustment of said adjustable pulley.

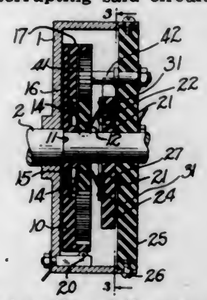
2,180,688

STEERING COLUMN DIRECTIONAL SIGNAL SWITCH

Herbert E. Metcalf, Walnut Creek, Calif., assignor to E. H. Kueffer, Oakland, Calif.

Application January 31, 1938, Serial No. 187,878
8 Claims. (Cl. 177—339)

1. In combination with a vehicle steering gear embodying a shaft having a reversing cycle of rotation of more than one revolution, an oscillating member movable on said shaft over a predetermined arc of rotation and limited to said arc, means for frictionally coupling said oscillating member with said shaft, make and break means operated by movement of said oscillating member to open and close a signalling circuit in accordance with direction of rotation of said shaft, and means positively driven by said shaft for interrupting said circuit over a single



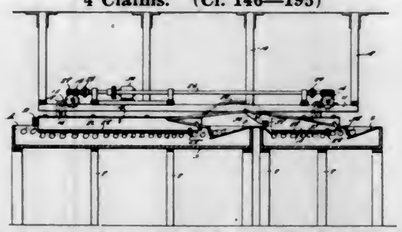
predetermined portion of the complete rotational cycle of said shaft.

2,180,689

FRUIT TREATING AND WASHING MACHINE

Jacob F. Millard, Gerrardstown, W. Va.

Application November 30, 1938, Serial No. 243,255
4 Claims. (Cl. 146—195)



1. A fruit treating and washing machine comprising elongated liquid containing tanks arranged in endwise relation, a transfer ramp extending from one of said tanks into the other of said tanks, a ramp located at one end of one of the tanks, fruit advancing and submerging devices slidable on said tanks during the movement thereof toward the ramp and extending into the liquid of said tanks, a supporting means arranged over said tanks, crank devices journaled on said supporting means, means connecting said crank devices to the fruit advancing and submerging devices to reciprocate the latter and to elevate said fruit advancing and submerging devices clear of the liquid of said tanks during the movement thereof away from the ramps, means for connecting said crank devices to a power source, and means on said fruit advancing and submerging devices to advance fruit over the ramps during the movement of said fruit advancing and submerging devices toward the ramps.

2,180,690

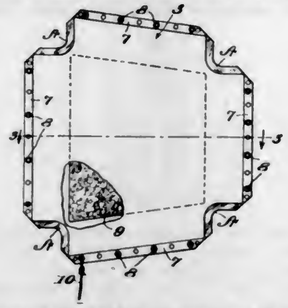
CHAIR BOTTOM

Daniel A. Monroe, Biscoe, N. C.

Application April 6, 1938, Serial No. 200,516
4 Claims. (Cl. 155—182)

4. In a chair having a chair seat of generally rectangular configuration, a covering of generally rectangular configuration for the seat, said covering comprising a relatively stiff but bendable foundation sheet, a flexible cover sheet superjacent said foundation sheet, said foundation sheet and the cover sheet being fashioned with flaps along their four sides with the flaps of one sheet overlapping the flaps of the other sheet and secured thereto, padding between the foundation sheet and the cover sheet, eyelets

attached to the overlapping flaps, said covering lying on the chair seat and the overlapping flaps being bent underneath the chair seat, and a unit



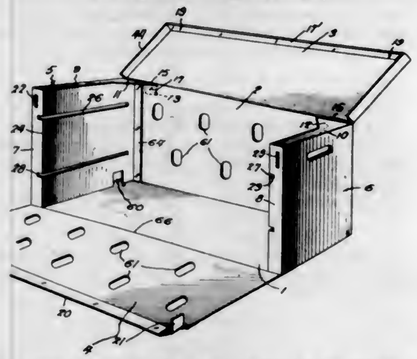
lacing means threaded through said eyelets underneath the chair seat for connecting the covering with the chair seat.

2,180,691

FOLDING DISPLAY CARTON

Paul E. Olivier, New Orleans, La., assignor to Great Southern Box Company, Inc., Southport, La., a corporation of Louisiana

Application June 6, 1938, Serial No. 212,137
10 Claims. (Cl. 206—44)



1. Container of the type formed by folding a blank of sheet material along predetermined lines of fold, comprising a bottom and a back panel, hollow parallelepipedal ends fixedly related to said bottom and back panels having flat front faces of appreciable width, a front panel hingedly related at its lower edge to said bottom panel having its lateral margins resting against the flat front faces of said ends when said front panel is closed, and a flanged lid hingedly related at its rear to the upper edge of said back panel having its front flange overlapping said front panel when said front and top panels are closed.

2,180,692

PROCESS OF TREATING ORES

John S. Potter, Denver, Colo., assignor to The S. W. Shattuck Chemical Company, Denver, Colo., a corporation of Colorado

No Drawing. Application November 6, 1935, Serial No. 48,604
10 Claims. (Cl. 23—19)

5. The process of treating ore containing vanadium and uranium values which comprises moistening such ore in comminuted condition with water, then mixing concentrated sulphuric acid with the comminuted ore and allowing the ensuing reaction to proceed until the mixture becomes substantially solid, breaking up the solidified mass and leaching with water, separating the leach liquor and concentrating it by evaporation to relatively thick consistency, thoroughly roasting the resultant concentrated material under oxidizing conditions at temperatures in the neighborhood of 600° C., leaching the roasted material with cold water to extract uranium and other soluble values therefrom, separating the leach solution from the residual vanadium concentrate, and recovering uranium values from the leach solution.

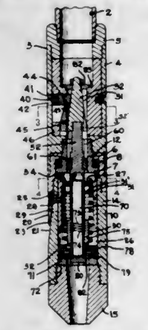
9. In a process of treating a vanadiferous ore carrying uranium and radium values, the steps which include preparing a relatively thick mixture of the ore, in comminuted condition but not comprising a large proportion of fines, with strong sulphuric acid, allowing the ensuing reaction to take place substantially by the heat of reaction alone, breaking up the resultant reaction mass and leaching with water to obtain a leach liquor containing dissolved vanadium and uranium values, together with radium-bearing slimes suspended therein, separating from the residual sands said leach liquor with the suspended slimes, and then separating said slimes from the leach liquor as a radium-bearing concentrate.

2,180,693

INSIDE PIPE CUTTER

Dempson H. Reed, Houston, Tex.

Application February 19, 1935, Serial No. 7,175
13 Claims. (Cl. 164—0.4)



1. An inside pipe cutter comprising cutter blades, a cutter support adapted to be anchored in the well, a cutter body swiveled to said support, a mandrel positioned to engage said cutter blades and to rotate with said cutter body to advance and retract the cutter blades upon rotation of said body, and means to advance and then retract said mandrel upon relative rotation of said body and support in one direction.

2,180,694

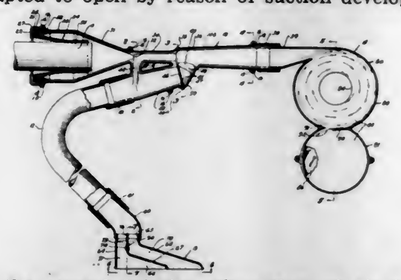
VACUUM CLEANER

Walter C. Reed, North Hollywood, Calif.

Application August 8, 1938, Serial No. 223,570
11 Claims. (Cl. 230—95)

1. An aspirator comprising a hollow body having a pressure fluid inlet at one end and an outlet at the other end, a first injector and a second injector arranged in tandem between said inlet and outlet, a suction passage having one connection with the throat of the first injector and a second connection with the throat of the

second injector, said passage being adapted for connection of a vacuum cleaner hose and nozzle, a check valve controlling said second connection adapted to open by reason of suction developed



by the second injector when flow of air into said passage is relatively unrestricted, and adapted to close by virtue of development of relatively high suction in said suction passage when flow of air into said passage is relatively restricted.

2,180,695

PIPE COUPLING ASSEMBLY AND THE METHOD OF MAKING THE SAME

Ernest Wayne Rembert, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application August 30, 1937, Serial No. 161,576
4 Claims. (Cl. 285—114)



1. In making a pipe assembly of the class described, the method which comprises arranging two sections of pipe end to end and in slightly spaced relationship to each other, closing the space between the ends of adjacent sections, placing over the thus formed joint a sleeve of internal diameter larger than the outside diameter of the said pipe sections, caulking the spaces between the opposite ends of the sleeve and the pipe sections with a temporary sealing means, drawing free ends of said means away from the ends of the sleeve at the top portion thereof, to form inlets, filling, with a fluent hardenable composition, the space between the sleeve and the ends of the pipe sections, through one of the said inlets, allowing air to escape from the other, and then hardening the said composition.

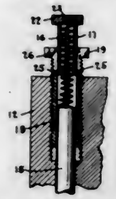
2,180,696

SEWING MACHINE

Howard A. Scavelli and George Scavelli, Sr., Dover, N. J.

Application August 31, 1937, Serial No. 161,835
2 Claims. (Cl. 112—236)

1. In a sewing machine including a spring-pressed presser rod, the improvement which includes a presser-foot adjustment comprising a hollow cylindrical sheath axially adjustably mountable in a sewing machine head in coaxial relation to the free end of the presser rod, said sheath having a slot formed therein, opening at the free end of said sheath; a hollow cap slidably received within and engaging with parts of said sheath for holding the tensioning spring against the presser rod; and means, operable by rotation of said cap relative to said sheath, for



releasing said cap to permit free sliding motion thereof with respect to said sheath, whereby free untensioned motion of the presser rod is permitted, said means comprising a stud carried on said cap riding in said slot formed in said sheath.

2,180,697

LUBRICATING OIL COMPOSITION

Arnold C. Vobach, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 17, 1937, Serial No. 143,121
16 Claims. (Cl. 87—9)

1. A liquid lubricating oil composition comprising a petroleum lubricating oil and a metallic phenyl stearate selected from the class consisting of the phenyl stearates of aluminum, barium, cadmium, chromium, magnesium and nickel.

2,180,698

LUBRICATING OIL COMPOSITION

Arnold C. Vobach, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 27, 1937, Serial No. 155,920
2 Claims. (Cl. 87—9)

1. A liquid lubricating oil composition comprising a petroleum lubricating oil and stannous phenyl stearate.

2,180,699

LUBRICATING OIL COMPOSITION

Arnold C. Vobach, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 27, 1937, Serial No. 155,921
2 Claims. (Cl. 87—9)

1. A liquid lubricating oil composition comprising a petroleum lubricating oil and zinc phenyl stearate.

2,180,700

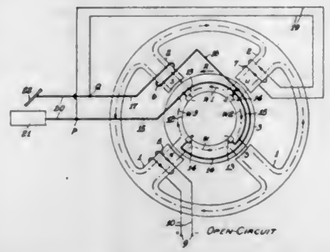
DIRECT-CURRENT ARC-WELDING GENERATOR

Ernest E. Tisza, Englewood, and Joseph Tyrner, Elizabeth, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application April 16, 1938, Serial No. 202,456
5 Claims. (Cl. 171—223)

1. A direct-current generator for arc welding comprising a four-pole series-wound armature, a field magnet frame having four pole elements circumferentially disposed about said armature, a single constant-field winding for producing a constant work-field through one pair of adjacent

pole elements, a single series-field winding for producing a series counter-field through the opposite pair of adjacent pole elements, said constant-field and series-field windings being re-



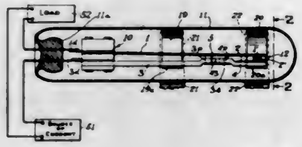
spectively located on adjacent pole elements, and a shunt-field winding positioned on the pole element opposite to the pole element carrying said constant-field winding, said shunt-field winding opposing said series-field winding.

2,180,701

ELECTRIC SWITCH

Herbert O. Wilson, Livingston, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application November 21, 1936, Serial No. 111,977
18 Claims. (Cl. 200—122)



2. In a switch assembly including a sealed envelope, a member movable therewithin, and means for producing movement of said member: means within said envelope adapted upon magnetization to render unstable the movement of said member within at least a portion of its movement range, and a permanent magnetic system outside of said envelope for magnetizing said last mentioned means.

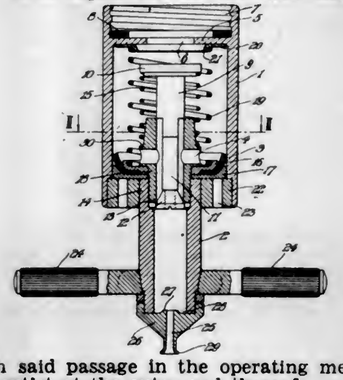
2,180,702

DEVICE FOR DELIVERING MEASURED QUANTITIES OF LIQUID

Frederick William Berwick and Albert George Berwick, Streatham, London, England, assignors, by mesne assignments, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application November 29, 1937, Serial No. 177,146
In Great Britain February 3, 1937
6 Claims. (Cl. 221—102)

1. A device for delivering measured quantities of liquid comprising a measuring chamber, an operating member movable axially within said measuring chamber and having an outlet passage extending axially therethrough to an outlet at its outer end, a valve member slidably guided in the inner end of the outlet passage in said operating member and having a valve on its inner end adapted to close the inlet to said chamber, and a piston mounted on said operating member to force liquid out of the said chamber



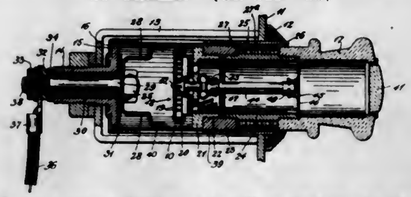
through said passage in the operating member to the outlet at the outer end thereof.

2,180,703

CIGAR LIGHTER

Louis C. Carissimi, Fairfield, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut

Application August 11, 1936, Serial No. 95,365
18 Claims. (Cl. 219—32)



6. In a cigar lighter, a holding device; an igniting unit supported by and completely removable from the holding device for use; a heating element carried by the igniting unit; electrical circuit means carried by the holding device; means for closing a circuit from the holding device through the heating element; an overload circuit breaker in said circuit; and means responsive to heat from the heating element for reducing the resistance of the circuit to cause an overload of current through said circuit breaker in the event that the heating element reaches a predetermined dangerous heat, so as to open the circuit through the element.

2,180,704

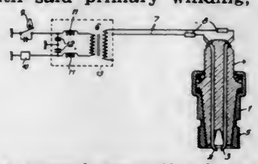
INTERFERENCE PREVENTING ARRANGEMENT FOR INTERNAL COMBUSTION ENGINES

Johannes Dietrich, Berlin-Charlottenburg, and Kurt Hagenhaus, Berlin-Siemensstadt, Germany, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application November 13, 1937, Serial No. 174,282
In Germany November 14, 1936
5 Claims. (Cl. 123—148)

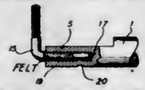
1. In an arrangement for preventing the ignition system of internal combustion engines from causing radio disturbances, comprising an ignition transformer having a primary winding, and a secondary winding insulated from said primary winding, a bipolar cable having its conduc-

tors connected with said secondary winding and insulated from said engine, a spark plug having a casing mounted on said engine and bipolar electrodes insulated from said casing and connected with said conductors, an energizing circuit connected with said primary winding, said circuit



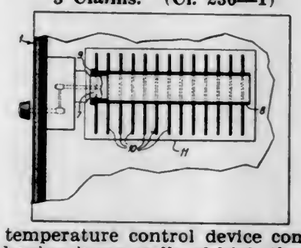
including a ground connection between said primary winding and said engine, shunt means for blocking high frequency currents from passing through said ground connection, and a conductive casing enclosing said transformer and said shunt means, said casing being insulated from said engine.

2,180,705
RELAY
Jacob R. Fry, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 5, 1937, Serial No. 157,513
8 Claims. (Cl. 175—336)



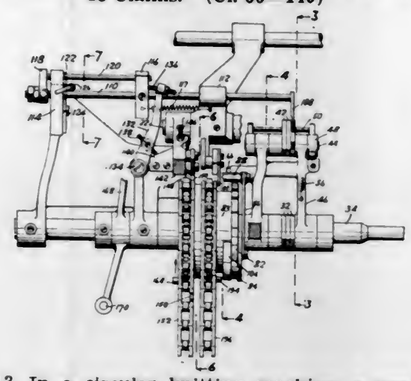
1. In an electromagnetic structure having a core and an armature, a back stop for adjusting the air-gap between the core and the armature, said back stop comprising an L-shaped screw, one end of which is positioned in a longitudinal hole in the end of said core and secured therein by cushioning means interposed between the walls of said hole and said screw, and a back stop nut threaded on the other end of said screw for engagement by said armature.

2,180,706
TEMPERATURE CONTROL DEVICE
Hallan Eugene Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1936, Serial No. 108,434
3 Claims. (Cl. 236—1)



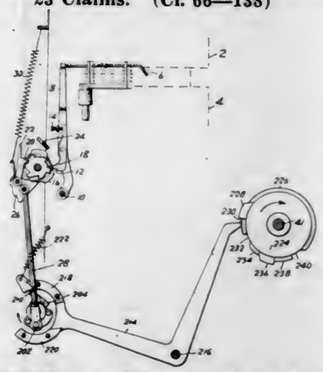
1. A temperature control device comprising a casing having inner walls of high thermal conductivity metal, a heating element within the walls of said casing, a thermostat to control said heating element to maintain the temperature of said walls substantially the same, means to make said thermostat immediately respond to changes in temperature within said casing, said means comprising a hollow metallic member surrounding said thermostat and located parallel to one of the walls of said casing and closely adjacent thereto, and a plurality of heat conducting vanes mounted outside of said metallic member and secured to the wall by a metallic plate.

2,180,707
KNITTING MACHINE
Harold E. Houseman, Laconia, N. H., assignor to Scott & Williams, Inc., Laconia, N. H., a corporation of Massachusetts
Application July 21, 1938, Serial No. 220,422
18 Claims. (Cl. 66—140)



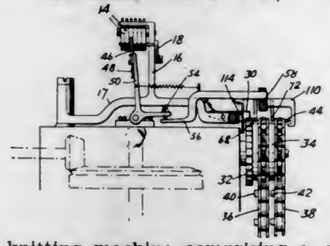
13. In a circular knitting machine, a needle cylinder carrying independent needles, a plurality of yarn fingers, clamping and cutting means for the yarns, means for selectively effecting striping changes of yarns, means for operating the clamping and cutting means when yarn changes are effected, and pattern controlled means timed with the means for selectively effecting said striping changes of yarns for preventing the operation of the clamping and cutting means when certain striping yarn changes take place.

2,180,708
KNITTING MACHINE
Harold E. Houseman, Laconia, N. H., assignor to Scott & Williams, Inc., Laconia, N. H., a corporation of Massachusetts
Application August 30, 1938, Serial No. 227,452
23 Claims. (Cl. 66—138)



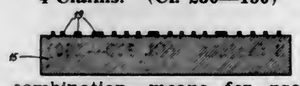
19. A knitting machine comprising a circular series of needles; means for selectively feeding a plurality of yarns to said needles; yarn changing means including two pattern devices and a selector arranged to be variously positioned to determine yarn changes by the action of either of said pattern means; means for cyclically moving at least one of said pattern devices through a plurality of cycles during the knitting of a stocking and means for timing said pattern device so moving through a plurality of cycles to bring it to a predetermined initial position during the knitting of a portion of a stocking involving no patterning under its control.

2,180,709
KNITTING MACHINE
Harold E. Houseman, Laconia, N. H., assignor to Scott & Williams, Inc., Laconia, N. H., a corporation of Massachusetts
Application September 27, 1938, Serial No. 231,855
14 Claims. (Cl. 66—138)



1. A knitting machine comprising a circular series of needles; means for selectively feeding a plurality of yarns to said needles; yarn changing means arranged to cause said feeding means to present their yarns selectively to the needles; a plurality of pattern devices arranged to control the yarn changing means; means for cyclically moving said pattern devices at equal speeds through a plurality of cycles during the knitting of a stocking; and automatic means arranged to render either of said pattern devices operative to control the yarn changing means.

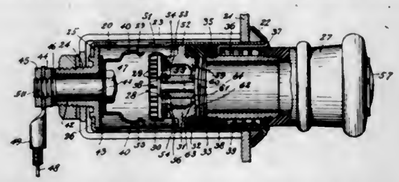
2,180,710
CATHODE RAY TUBE SCREEN
Max Knoll, Bernhard Bartels, and Otto Spengler, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 19, 1937, Serial No. 137,599½
In Germany March 19, 1936
4 Claims. (Cl. 250—150)



2. In combination, means for producing a focused beam of electrons, a target electrode of predetermined specific secondary electron emissivity, a plurality of elemental particles of a material having a different specific secondary electron emissivity than that of the electrode, said particles being positioned on the target electrode to form elemental areas of a half-tone picture, the area of said particles corresponding to the density of the elemental areas of the half-tone picture, means for deflecting the focused beam to scan substantially the entire area of the target and all of the plurality of particles to cause secondary electrons to be emitted from the target and plurality of particles, and means to collect the emitted secondary electrons, beam producing means, said secondary electron collecting said means and said electrode being within said envelope.

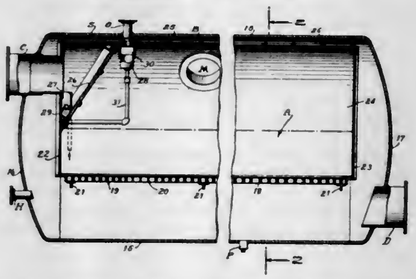
2,180,711
CIGAR LIGHTER
Herbert G. Lehmann, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application August 14, 1936, Serial No. 95,951
16 Claims. (Cl. 219—32)

9. An electric cigar lighter comprising essentially two parts, one of said parts being a holding device and the other of said parts being an igniting unit supported by and completely removable from the holding device for use; a heating element carried by the igniting unit; electric circuit means having a pair of contacts carried by the holding device and a pair of cooperating contacts on the igniting unit for completing an energizing circuit through the heating element; means for closing the circuit between the contacts upon operation of at least a part of the igniting unit, said circuit means including a pair of contacts carried



by one of the parts in spaced relation to one another to form a gap; a bridging member for closing the gap between the contacts and yieldingly urged into open-circuit position; and thermoplastic means for holding the bridging member in closed-circuit position against the urging means, said thermoplastic means being in heat-receiving relation with the heating element and adapted to respond to overheating of the heating element by softening so that the bridging member is released for movement by the urging means into a position to open the energizing circuit.

2,180,712
ADSORBER APPARATUS
Leonard A. Logan, Flushing, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application August 31, 1937, Serial No. 161,735
2 Claims. (Cl. 183—4)



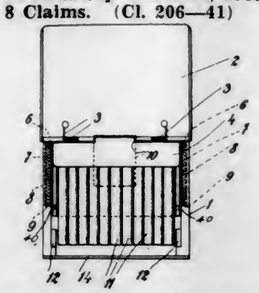
1. An adsorber for recovering solvent vapors from mixtures thereof with air, said adsorber comprising a cylindrical container vessel, a bed of activated carbon adsorbent in said vessel, a basket supporting said bed in horizontal spaced relation with the walls of said vessel and including a foraminous under support for said adsorbent, a fluid tight canopy connected with said under support and forming a closed gas space above the adsorbent, inlet means for air to be treated communicating with the interior of said canopy above the adsorbent, exit means for denuded air outside of said canopy, steam inlet and exit means in the reverse position respectively to said air inlet and exit, and means at the fluid inlet and exit within said canopy to collect condensate and carry the same to the outside of said basket.

2,180,713

CASE FOR THE RECEPTION OF ELONGATED ARTICLES

Hermann Lorant, Vienna, Austria

Application September 23, 1936, Serial No. 102,058
In Austria September 26, 1935
8 Claims. (Cl. 206—41)



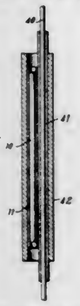
1. A case for the reception of elongated articles comprising: a body-section, a cover-section hinged to said body-section, a movable tray-member for the reception of the elongated articles slidably arranged in said body-section, pins arranged on the rear portion of the side walls of said tray-member, lateral guides arranged on said body-section for the reception of said pins, inclined surfaces located in said body-section opposite to the front-edge of said tray-member, said lateral guides and said inclined surfaces being adapted to guide said movable tray-member into a forwardly advanced position with its front part protruding from the upper edge of said body-section, and springs acting on said pins to urge the tray-member in its retracted position within the body-section, said tray-member being adapted to lift said cover-section during its movement into said advanced position for an extent sufficient to permit the passage of the front portion of the articles carried by said tray-member, and said body-section being provided with an opening permitting access to said tray-member to advance same.

2,180,714

THERMIONIC DEVICE

John D. McQuade, Lakewood, Ohio, assignor to Kemet Laboratories Company, Inc., a corporation of New York

Application April 30, 1938, Serial No. 205,221
7 Claims. (Cl. 250—27.5)



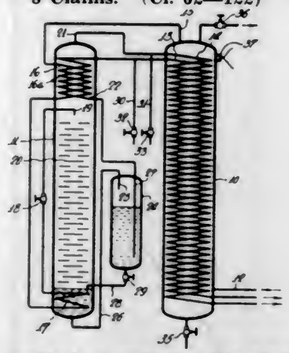
6. Device for use in producing high vacuum which comprises a wire of high electrical resistance provided with a coating of electrical insulation, a compound getter wire composed of a core of alkaline earth metal and a shell of metal chosen from the group consisting of nickel, iron, nickel-base alloys, and iron-base alloys, and a metal envelope that substantially encloses said getter wire and holds it in firm contact with the insulated resistance wire.

2,180,715

LIQUEFACTION AND SEPARATION OF GASES

Adolf Messer, Frankfort-on-the-Main, Germany

Application October 9, 1936, Serial No. 104,791
8 Claims. (Cl. 62—122)



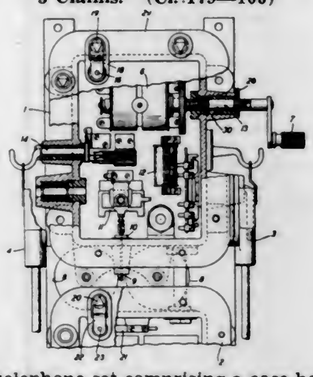
1. The method of reducing the starting time of an intermittently operated air separating plant of the type which includes a rectification column, which comprises storing a portion of the liquid oxygen formed by said plant during its normal operating period in a separate storage tank, and permitting said liquid oxygen to evaporate in said rectification column during a normal shut-down period, to maintain said column cold.

2,180,716

TELEPHONE SET

André Montel and Mendel Rabine, Boulogne-Billancourt, France, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 7, 1936, Serial No. 94,720
In France October 3, 1935
3 Claims. (Cl. 179—100)



1. A telephone set comprising a case having an open portion, a magneto and normally-closed circuit-controlling contact springs in said case, a cover for said open portion, and secured to said case, a crank member outside of said case for operating said magneto, said cover having an apertured off-set portion through which a portion of said crank member extends, said cover not being removable from said case unless said crank member is first removed, means on said cover member for maintaining said contact springs in normal condition until the cover is loosened or removed from the case, said cover containing a recess, a contact member in the bottom of said recess, a microphone unit in said recess having a contact member engaging said recess contact member, a mouthpiece plate member closing said recess for holding said unit in said recess, and means in said recess for disengaging said contact members when said plate member is removed.

2,180,717

KEY CONTAINER

Earl C. Nelson, Detroit, Mich.

Application August 2, 1938, Serial No. 222,665
3 Claims. (Cl. 70—456)



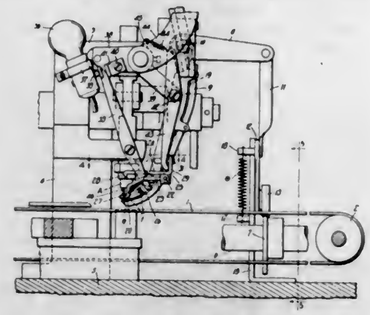
1. In a key container, a unitary case structure, said structure comprising a body, a pair of longitudinally extending channels within said body, said channels in spaced apart relation and having one of their ends closed and the closures being in opposed relation, a groove within the floor of each of said channels and parallel with the same; a stud and a nut therefor, the head of said stud adapted to slidably engage one of aforesaid grooves, a U spring interposed intermediate said stud and nut and a conventional key positioned within said spring.

2,180,718

ENVELOPE FASTENER MACHINE

Daniel Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York

Application June 24, 1938, Serial No. 215,551
9 Claims. (Cl. 1—3)



1. In a machine for attaching fasteners to envelopes or like articles, the combination of a movable plunger adapted to apply the fasteners to the envelopes, means for feeding the fasteners to the end of said plunger, a feeler device connected to the lower end of said fastener feeding means and arranged to engage the fastener in position to be attached to the end of the plunger upon its first downward movement, a signal device, and means associated with said feeler device and arranged to operate said signal device in the absence of a supply of fasteners in said fastener feeding means.

2,180,719

ADJUSTABLE ROD GUIDE FOR PUMPS

Ernest W. Ostrom, Pasadena, Calif., assignor to Axelson Manufacturing Co., Los Angeles, Calif., a corporation of California

Application April 19, 1938, Serial No. 202,895
6 Claims. (Cl. 103—181)



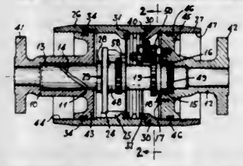
1. In a pump assembly, a barrel, a plunger reciprocable in said barrel, a plunger rod extending into said barrel and connected to said plunger, an abutment on said plunger rod, a guide having an abutment thereon engageable with the plunger rod abutment, and means mounting said rod guide on said barrel for adjustment longitudinally of said barrel to adjustably limit the movement of said plunger in said barrel.

2,180,720

PIPE JOINT

Theodor Raedle, New York, N. Y.

Application March 17, 1939, Serial No. 262,369
10 Claims. (Cl. 285—162)



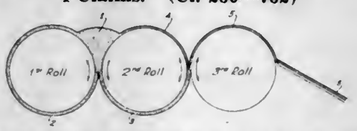
1. A pipe joint, comprising a rotary adjusting element, and means connected with said element and actuated by the expansion and contraction of a pipe caused by temperature variations to impart rotation to said rotary adjusting element.

2,180,721

METHOD OF SPEEDING UP THE MAKING OF PIGMENT PASTES

Leo Roon, South Orange, and Arthur Minich, East Orange, N. J., assignors to Nuodex Products Co., Inc., Elizabeth, N. J., a corporation of New York

Application October 5, 1939, Serial No. 298,156
4 Claims. (Cl. 260—762)



1. The herein described method of speeding up the making of pigment pastes, which comprises commingling a pigment and an organic liquid

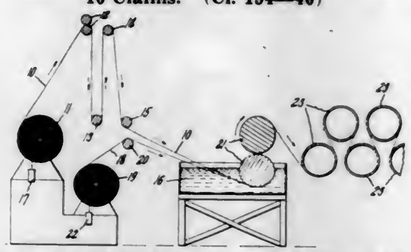
vehicle, selected from the group consisting of oils, varnishes, resins, and plasticizers, to form a pigment-vehicle system, adding to such system a grinding aid for conditioning the pigment-vehicle system for increased utilization of grinding energy and concurrently expediting distribution of pigment particles in the vehicle and comprising a solution of one or more xylol-soluble high molecular weight organic polymers, selected from the group consisting of natural and synthetic rubber, and one or more wetting agents capable of forming a homogeneous solution with the polymer constituent, the polymer constituent being present in quantities not exceeding 2½ per cent based on the total weight of the resulting mass and the grinding aid solution having a viscosity of not less than 50 centipoises, and thereafter applying grinding energy to said mass for the purpose of finely subdividing the pigment constituent and distributing the pigment particles uniformly throughout the vehicle.

2,180,722
LEAD-IN ARRANGEMENT
Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 4, 1936, Serial No. 77,726
In Great Britain June 8, 1935
2 Claims. (Cl. 174—27)



1. In a lead-in arrangement, a central conductor comprising a flat strip of conducting material which is given a slight twist from end to end, two outer conductors comprising wires positioned so as to follow the twist of said strip but on opposite sides thereof, a sheath for enclosing said three conductors and bead insulator members threaded upon said wires at spaced apart points thereof so as to come on either side of said strip, said bead insulators being shaped so as to provide insulation between the three conductors and proper spacing between the conductors and the sheath while maintaining flexibility of the lead-in.

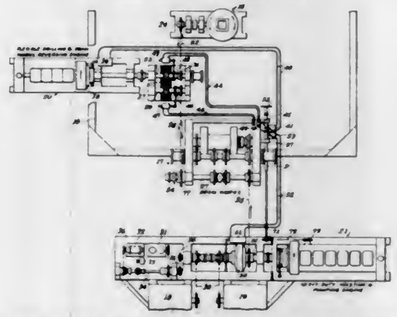
2,180,723
MANUFACTURE OF FABRIC-REINFORCED ARTIFICIAL LEATHERS
Milton O. Schur and Benjamin G. Hoos, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a corporation of Maine
Application May 10, 1935, Serial No. 20,829
10 Claims. (Cl. 154—40)



1. In a method of producing a sheet of fabric-reinforced, binder-impregnated felt, those steps which comprise progressively and simultaneously passing a felt and a fabric under separately applied tensions through a bath of settable liquid binder in which the lower roll of a pair of squeeze rolls rotates partially submerged, causing the wet impregnated felt and the wet impregnated fabric to pass in superposed relationship about the submerged periphery of said lower roll and thence into the nip of the rolls with the felt lying directly on said submerged periphery, maintaining the tension on said fabric greater than on said felt as they are passing into said bath and about said lower roll, and setting the binder content of the composite sheet being progressively delivered by said squeeze rolls.

3. A method of producing a composite sheet comprising a felt layer bonded to a cloth reinforcement which comprises flattening the threads of which the cloth is composed, napping the face of the cloth to come into contact with the felt layer, and bonding the cloth to the felt layer.

2,180,724
ROTARY DRILLING
Waldo Sheldon, South Norwalk, Conn.
Application July 3, 1937, Serial No. 151,774
10 Claims. (Cl. 255—19)



1. In rotary drilling, the combination of rotary and drawworks, a relatively low power non-reversible flexible engine for operating the rotary and reversing the drawworks, a greater power heavy duty non-reversible hoisting engine for forward drive of the drawworks and reverse rotation of the rotary, one way running rotary drive connections from the drilling engine to the rotary, one way running forward drive connections from the hoisting engine to the drawworks, reversely running one way drive connections from the drilling engine to the drawworks and means for selectively controlling said drive connections for driving the rotary forwardly and the drawworks reversely from the drilling engine and for driving the drawworks forwardly and the rotary reversely from the hoisting engine.

2,180,725
METHOD OF MAKING GOODS OF CELLULAR RUBBER
Albert Nelson Ward, Bordesley Green, Birmingham, and Frank Theodore Purkis, Moseley, Birmingham, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
No Drawing. Application November 8, 1937, Serial No. 173,456. In Great Britain December 21, 1936
7 Claims. (Cl. 260—723)

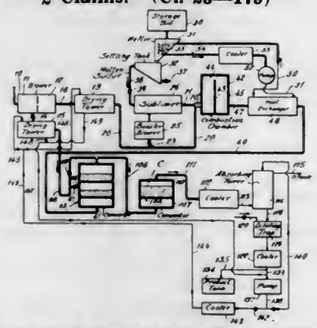
1. A method for the production of goods of rubber or similar material of sponge-like or cellular structure from foamed aqueous dispersions of the kinds hereinbefore specified containing an oxide of a metal of fixed bivalency of group II of the periodic system, which comprises adding to the aforesaid foamed aqueous dispersions an aqueous solution of ammonium salts normally having a pH value less than 7 and conditioned to have a pH value greater than 7.

2,180,726
NOVELTY JEWELRY AND ACCESSORIES
Elizabeth K. Bradley, New York, N. Y.
Application May 26, 1939, Serial No. 275,820
6 Claims. (Cl. 63—1)



1. In an article of jewelry, the combination of a flexible member adapted to be worn as an ornament, a plurality of gripping devices suspended from said flexible member and adapted to detachably receive and retain natural and artificial ornaments, said gripping devices comprising a pair of pivotally connected pins having opposed piercing points, spring means normally urging said piercing points toward each other, and manually operable means for moving said piercing points apart.

2,180,727
MANUFACTURE OF SULPHURIC ACID
Bernard M. Carter, Montclair, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application July 24, 1937, Serial No. 155,528
2 Claims. (Cl. 23—175)



1. The method for catalytically making sulphur trioxide in a plurality of stages which comprises forming a gas mixture containing sulphur dioxide and oxygen in amount by volume less than that needed in practice for commercially complete conversion of such sulphur dioxide, contacting the gas mixture at reactive temperature with a first body of catalytic material of given cross-sectional area and of volume substantially less than that normally employed when all the gases involved in the conversion reaction are passed through said first body of catalytic material whereby part of the sulphur dioxide is oxidized to sulphur trioxide, the temperature of the gas mixture increased and the oxygen content diminished, introducing further quantities of oxidizing gas at relatively low temperature into the partially oxidized gas mixture to cool the gas mixture to approximate initial conversion temperature and to supply oxygen needed for oxidation of further amounts of sulphur dioxide, whereby the gas volume is substantially increased, and then passing the resulting gas mixture in contact with a second body of catalytic material having a cross-sectional area greater than the area of the body of catalytic material of the preceding stage in direct proportion to the increase in gas volume between the stages.

2,180,728
SEPARATION OF SULPHONATES
Frank W. Corkery, Crafton, Pa., assignor to Pennsylvania Industrial Chemical Corporation, a corporation of Pennsylvania
No Drawing. Application March 16, 1937, Serial No. 131,182
4 Claims. (Cl. 260—503)

1. The herein described method of recovering sulphonate sludge from still residue resultant from the treatment and distillation of light oil derived from the by-product coking of coal and containing water-insoluble sulphonates formed by acid purification and alkaline neutralization in the light oil prior to distillation, which consists in precipitating sulphonates from the still residue by agitating the still residue with low boiling aliphatic hydrocarbon, wetting the precipitate by agitating the mixture with water before the precipitated sulphonates coagulate, effecting stratification of the mixture and settling of the precipitate expedited by injection of live steam into the mixture to form a water layer containing the sulphonates and a hydrocarbon layer containing the other still residue ingredients in solution, separating the layer of still residue solution and the sulphonate-containing water layer, and by drying recovering the sulphonates as a residual sludge.

2,180,729
PAINT AND TILE BASE
Frank W. Corkery, Crafton, Pa.
No Drawing. Application June 18, 1937, Serial No. 148,962
2 Claims. (Cl. 260—23)

1. As a material of commerce the herein described viscous elastic composition suitable for position for mastic tile which is solid at normal room temperature and having a color intensity below a No. 10 color on the coal tar resin color scale; said composition consisting of a self-compatible oxidized mixture of an oxidizable drying oil and an oily aromatic substance composed preponderantly of the dimers of coumarone and indene and having by virtue of freedom from any substantial content of polymers in stages of polymerization higher than that of the dimers elasticity in high order and no definite melting point, the said material consisting in substantial proportion of its oxidized aromatic initially oily component and being solid at normal room temperature.

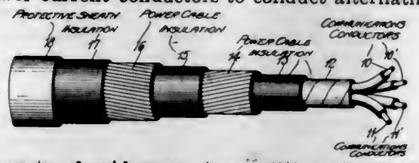
2,180,730
ALKYL 12-KETOSTEARATE
Henry L. Cox, South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application June 7, 1934, Serial No. 729,442
3 Claims. (Cl. 260—410)

1. An alkyl ester of 12-ketostearic acid.

2,180,731
COMBINED POWER AND COMMUNICATION CABLE
Harry F. Dickinson, Yonkers, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application March 27, 1937, Serial No. 133,373
4 Claims. (Cl. 174—105)

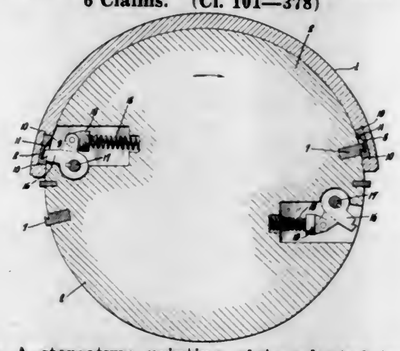
1. A modulated communication circuit and a

power transmititng circuit comprising a cable having an inner group of insulated conductors for transmitting modulated currents of said communication circuit and an electric power transmission circuit comprising a plurality of outer power current conductors to conduct alternating



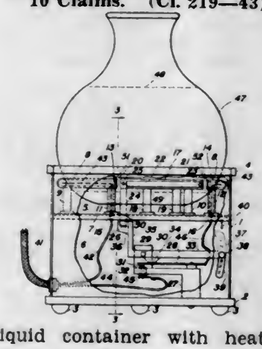
currents of said power transmitting circuit and arranged symmetrically about said inner group of conductors to provide a zero electric field at said inner group of conductors and to prevent distortion of the currents transmitted by said inner group of conductors.

2,180,732
STEREOTYPE PLATE
Hobart N. Durham, Manhasset, N. Y., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application April 26, 1938, Serial No. 204,270
6 Claims. (Cl. 101—378)



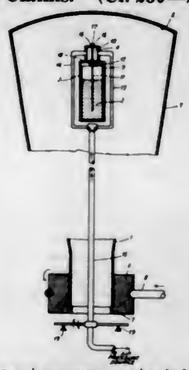
1. A stereotype printing plate adapted to be held upon the plate cylinder by peripheral tension and having a plurality of spaced-apart metallic hook-engaging insets cast into and integrated with the plate along and adjacent at least one of its straight edges.

2,180,733
LIQUID CONTAINER WITH ELECTRIC HEATING MEANS
Clarence B. Fowler, West New Brighton, N. Y.
Application March 14, 1939, Serial No. 261,706
10 Claims. (Cl. 219—43)



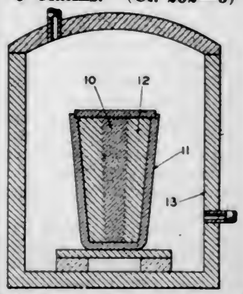
1. A liquid container with heating means, comprising a stove and a bowl having a bottom without functional elevations or depressions removably mounted thereon by stove members contacting with the exterior surface of the bowl at points above a predetermined minimum liquid level therein, one of said stove members also constituting means for transmitting heat to the bowl and the other of said stove members also constituting means for receiving heat from the bowl.

2,180,734
SCREEN MATERIAL
Roscoe H. George, West Lafayette, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1935, Serial No. 42,816
15 Claims. (Cl. 250—27.5)



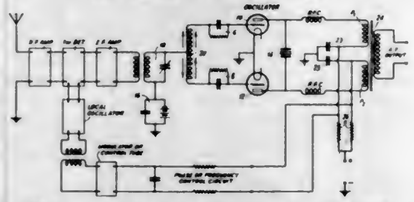
1. A fluorescent screen material comprising the reaction product resulting from the heating in air of the tungstate of an alkaline earth metal and an alkali nitrite.

2,180,735
PROCESS FOR MAKING SORPTIVE CARBON
Victor C. Hamister, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
Application June 3, 1936, Serial No. 83,195
6 Claims. (Cl. 252—3)



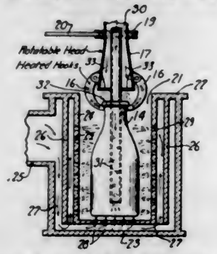
2. Process for producing sorptive carbon which comprises forming a composite body containing carbonaceous material and a metal carbonate decomposable at temperatures of about 700° C., said carbonate being nonuniformly distributed in said body; and applying heat at a temperature above 700° C. to a region of said body where the proportion of said carbonate is relatively low, whereby progressively to liberate carbon dioxide from said carbonate and partially to oxidize said carbonaceous material.

2,180,736
PHASE MODULATION RECEIVER
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 5, 1936, Serial No. 77,978
20 Claims. (Cl. 250—20)



1. The method of securing a response dependent upon the phase of alternating electrical energy which includes the steps of locally converting direct current energy into alternating current energy of a fixed frequency equal to the mean frequency of the alternating electrical energy and of a phase different than the phase of the alternating electrical energy, superposing the alternating electrical energy on the alternating current to vary the efficiency of said conversion, and producing a response corresponding to the magnitude of the direct energy converted as an indication of the phase of the alternating energy.

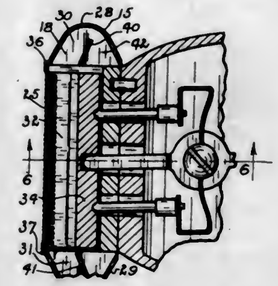
2,180,737
HEAT TREATMENT FOR GLASS
Henry W. Hess, Toledo, Ohio
Application January 2, 1936, Serial No. 57,234
1 Claim. (Cl. 49—89)



In the manufacture of glass, the method which consists in blowing a hollow article from plastic glass, allowing the escape of blowing gas from the interior of the article during the shaping operation, controlling the speed and temperature of the blowing gas so as to cool the interior surface of the article approximately equally with the cooling of the exterior surface by its contact with the mold, thereafter removing the article from the mold as soon as it will retain its shape while suspended, suspending the removed article and cooling the entire surface of the suspended article substantially uniformly to a point below annealing temperature by applying blasts of moving gases to the entire surface of the article.

2,180,738
HAIR RETAINING ATTACHMENT FOR POWER RAZORS
Robert T. Hogg and Hazel V. Hogg, Portland, Oreg., assignors to Cloyd E. Burns, Stamford, Conn.
Application October 6, 1937, Serial No. 167,650
4 Claims. (Cl. 30—90)

1. An open-center hair-receptacle for frictional attachment to a cutter-head of a razor, comprising spaced parallel side-walls, said side-walls



terminating in end-walls forming closed storage chambers, and a separate baffle-plate in each chamber forming a rear trap in the chamber.

2,180,739
BURIAL BOX
Andrew F. Howe, University City, Mo.
Application December 29, 1938, Serial No. 248,147
6 Claims. (Cl. 72—7)

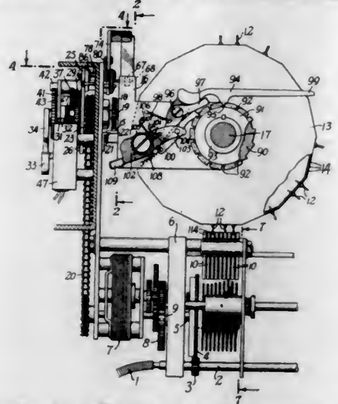


1. In a burial box having all of its walls composed of concrete slabs, flanges extending upwardly from the bottom of the box and spaced inwardly from the edges thereof, the side and end slabs of the box being seated upon the bottom at the outer sides of said flanges, interlocking tenon devices integral with the ends of the side and end slabs holding them in vertical positions upon the bottom as aforesaid, a pair of longitudinal cover slabs extending the full length of the box seated upon the upper edges of the side and end slabs, cross members cooperating with the side and end walls to support said cover slabs, and flanges integral with the undersides of said cover slabs engaging against the inner surfaces of the side and end slabs of the box and holding the adjacent longitudinal edges of said slabs in abutting contact.

2,180,740
SELECTOR CONTROL MECHANISM
Harold J. Kaye, New York, N. Y.
Application October 6, 1937, Serial No. 167,584
11 Claims. (Cl. 161—1)

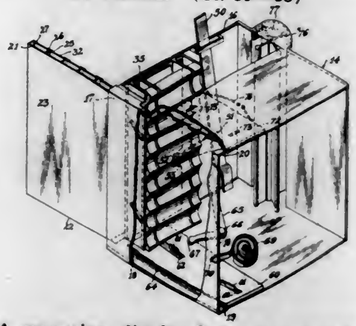
5. Selector control mechanism comprising a carrier mounted to travel forward and back between end positions defining its limits of travel, means for moving the carrier toward one end position, means for returning the carrier toward the other end position, and means for rotating said carrier including a ratchet mounted thereon, a pawl biased toward ratchet engaging and actuating position, a pivotally mounted pawl arm upon which said pawl is pivotally mounted at one end, said arm being biased to move the pawl into ratchet engaging and actuating position, and

means for deflecting said arm against said bias during movement of the carrier in one direction



sufficiently to effect a predetermined ratchet actuating movement of the pawl.

2,180,741
MAGAZINE FOR FIREARMS
John Lisov, Montclair, N. J.
Application June 9, 1938, Serial No. 212,642
19 Claims. (Cl. 89—33)

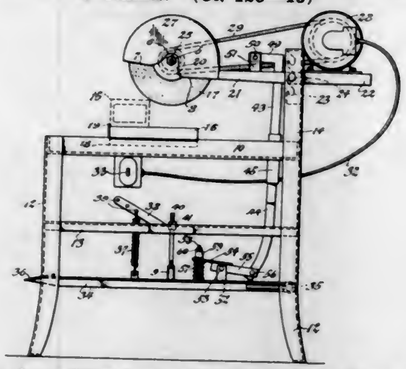


1. A magazine clip for firearms comprising, in combination, a support member, a plurality of parallel rails extending therefrom, opposed flanges along each rail, and rows of cartridges between the several rails, the cartridge cases of adjacent rows being in contact with one another, said cases each having a groove in its base end engaged by said flanges and having a flange of a diameter less than the diameter of the case, engaged between adjacent rails.

2,180,742
PROCESS OF REFINING CLAY
Sanford C. Lyons, Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass., a corporation of Massachusetts
No Drawing. Application May 12, 1937, Serial No. 142,180
13 Claims. (Cl. 252—8)

1. In a process of refining aqueous clay suspension containing ferric oxide as a coloring impurity and involving the reduction of the ferric oxide in the suspension to a substantially colorless, water-soluble ferrous salt, those steps which comprise treating the suspension containing dissolved therein the colorless ferrous salt with alkali-metal polymetaphosphate in amount sufficient to inhibit reversion of such salt to ferric oxide; and separating the clay from suspension.

2,180,743
MACHINE FOR CUTTING TILE AND THE LIKE
Charles A. Martin, Buffalo, N. Y.
Application March 21, 1939, Serial No. 263,207
3 Claims. (Cl. 125—13)



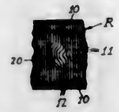
3. A machine for cutting tile and the like comprising a frame, a carriage slidable on said frame and adapted to support the article to be cut, a rotary cutter for cutting said article movable toward and from the carrier, a vertically swinging beam pivoted on the upper part of the frame and having a front arm which carries said cutter and a rear arm, a motor mounted on said rear arm and operatively connected with said cutter for driving the latter, and means for rocking said beam including a foot lever pivoted at its rear end on the lower part of said frame, a shifting device operatively connecting said foot lever and beam, and adjustable means for yieldingly holding said foot lever in an elevated position consisting of a bracket mounted on said frame and provided with an inclined row of holes, and a spring connected at one end with said foot lever and adapted to be engaged at its opposite end with one of the holes in said bracket.

2,180,744
COMPOSITION OF MATTER
John D. Maxcy, Albany, Calif., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application April 28, 1936, Serial No. 76,740
1 Claim. (Cl. 167—39)

A volatilizing liquid fumigant particularly adapted for treating fruit by being effective to an unusual degree of temperatures below about 70° F., and effective as low as about 50° F., which fumigant is essentially composed of about 1 part by volume of ethylene oxide and about 3 parts by volume of ethylene dichloride, said fumigant being characterized by a toxic effect equivalent to about twice the amount of said ethylene oxide employed separately and equivalent to about three times the amount of said ethylene dichloride employed separately.

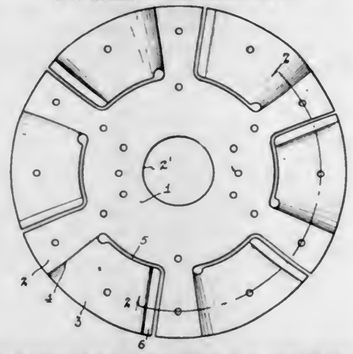
2,180,745
METHOD OF DECORATING NARROW FABRICS
Alexander Milhomme, Ridgefield Park, N. J., assignor to Progressive Silk Finishing Co., Hoboken, N. J., a corporation of New Jersey
Application February 17, 1939, Serial No. 256,937
2 Claims. (Cl. 26—69)

1. A process of decorating ribbons and similar narrow fabrics having a relatively heavy weft and a relatively fine warp which comprises passing said fabric between a pair of scratch rollers to effect a displacement of said weft and then running said fabric through intermeshing rib



rollers, the spacing of said ribs being about the same as the spacing of said weft and said ribs running parallel and extending the full width of said weft whereby a design is applied uniformly to both sides of said narrow fabric.

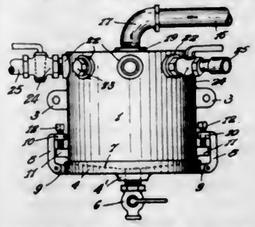
2,180,746
CLUTCH DISK
Ira Saks, Shaker Heights, Ohio
Application March 15, 1937, Serial No. 130,873
3 Claims. (Cl. 192—107)



1. A clutch disk comprising the combination of a single disk body and friction facing rings mounted on both sides of said body, the latter having a series of alternate at and bowed sectors extending to the outer edge of said disk and formed in pairs contiguous to each other along a radial line, said bowed sectors being bowed all in the same direction with respect to said disk, and flat end portions on said bowed sectors lying in the plane of said disk body.

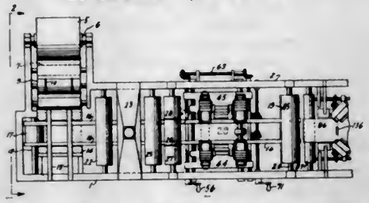
2,180,747
CONDENSATION TRAP
Frank C. Schirmer, Spokane, Wash.
Application January 20, 1939, Serial No. 252,043
1 Claim. (Cl. 137—21)

A condensation trap comprising a casing adapted to be mounted in an upright position, a coupling screwed into an opening formed in the top of said casing centrally thereof and projecting upwardly therefrom for connection with a pipe leading from a source of air under pressure, threaded openings being formed in side walls of the casing near the top thereof, threaded plugs screwed into some of the threaded openings and constituting removable closures for the same, valves screwed into unplugged ones of the threaded openings and projecting outwardly from the casing for connection with distributor pipes, a bottom for said casing formed with a concaved inner surface surrounding a centrally located opening, a drain cock screwed into the opening of the bottom, abutment lugs extending outwardly from walls of said casing adjacent the lower end thereof, hangers pivoted to marginal portions of said bottom for vertical swinging adjustment from a lowered position to a raised position and having bills at their free ends for overhanging said abutment lugs when the hangers are in



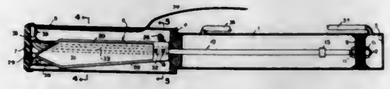
a raised position, and screws threaded through the bills of said hangers for engaging said abutment lugs and applying pressure thereto to draw the bottom upwardly and firmly hold the bottom in place of closing relation to the lower end of the casing.

2,180,748
MANUFACTURE OF LOCKED CORNER BOXES
Melvin H. Sidebotham, West Newton, Mass.
Application August 13, 1937, Serial No. 158,978
10 Claims. (Cl. 93—49)



1. The method of making folding paper boxes from a web, comprising, causing the web to travel, creasing the web, cutting the web to produce a box blank of predetermined size, printing the blank, heat setting the printing ink, creasing the blank at right angles to the previously applied creases, creasing and cutting the corner areas of the blank to complete a box blank provided with a bottom section, front and rear wall sections and end wall sections extending from said bottom section, extension sections projecting from each end of the said front and rear wall sections and extension sections projecting from each end of the said end wall sections, each of said extension sections being intersected by a creased line radiating substantially from the apex of the corner of the bottom section to form a flap at the outer end of each extension section; folding the flaps at the ends of the front and rear wall extension sections upward and then down against the top of said extension sections, folding the flaps at the ends of the end wall extension sections downward and then up against the under side of said extension sections, applying adhesive to predetermined areas of the end wall sections, folding the front and rear wall sections and their extension sections and the extension sections at the ends of the end wall sections upward and then down upon the bottom section and the end wall sections, applying adhesive to predetermined areas on the upward facing surface of front and rear wall sections, folding the end wall sections and the extension sections thereon and the extension sections at the ends of the front and rear wall sections upward and then down upon the ends of the front and rear wall sections.

2,180,749
SEMAPHORE SIGNAL
Herbert R. Trubshaw, Spokane, Wash.
Application September 6, 1938, Serial No. 228,490
6 Claims. (Cl. 116—39)

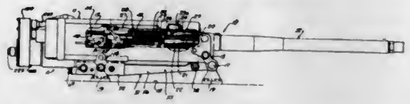


1. In a direction indicator having selective positions and including a vacuum cylinder, a slidable piston in the cylinder, a rod for said piston, and an illuminated indicating arm pivotally connected with said rod, the combination with manually operable valve means having vacuum connections with said cylinder, of a collar on said rod within the cylinder, stop means in the path of movement of said collar to limit movement of said rod whereby the arm may be slidably extended to one indicating position upon actuation of said valve means in one direction, and means operable upon actuation of said valve means in another direction for withdrawing said stop means from the path of movement of said collar whereby the arm may be swung on its pivot to another indicating position.

2,180,750
MEAT CURING
Walter M. Urbain, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 7, 1939, Serial No. 266,644
7 Claims. (Cl. 99—159)

1. The method of curing meat which comprises incorporating curing agents in a paste and applying the paste to the meat.

2,180,751
MACHINE GUN STARTER AND RECHARGER
Paul G. Wagner, Los Angeles, Calif.
Application January 11, 1938, Serial No. 184,422
43 Claims. (Cl. 89—1)



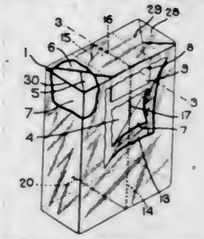
1. In combination with a machine gun having a reciprocatory bolt normally adapted to be retracted by recoil forces of a fired cartridge for automatically reloading the gun-chamber; an electric circuit, a switch in and adapted partially to control said circuit, said switch being adapted to be closed by depression of the gun-trigger, an electrically operated retracting mechanism in said circuit and adapted to act automatically to retract the bolt and then free it for countermovement when the gun fails to fire while the gun-trigger is depressed, and adapted to continue in action for at least a given number of cycles to repeatedly retract and free the bolt so long as the gun fails to fire while the trigger is held depressed, and a switch in said circuit which opens automatically and thereby acts to halt operation of the mechanism after it has completed a predetermined numer of continuously repeated cycles even though the trigger remains depressed and is holding the first mentioned switch closed.

2,180,752
DISPENSER FOR VAPORIZABLE MATERIAL
Harold T. Weiss, Los Angeles, Calif.
Application April 30, 1938, Serial No. 205,378
2 Claims. (Cl. 299—24)



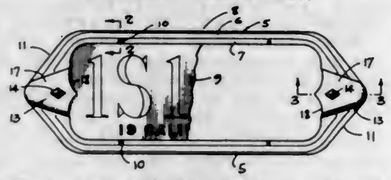
1. A dispensing container for evaporable material, comprising a box having sides, top and bottom, and a wedge-shaped cake of evaporable material in the box with its thick end near the top, the box having inlet and outlet openings in the container adjacent its top and bottom respectively, the evaporatable material being such that air contacting the same becomes heavier.

2,180,753
CIGARETTE PACKAGE
Albert G. Woglom, Melrose Highlands, Mass.
Application January 28, 1938, Serial No. 187,411
2 Claims. (Cl. 229—51)



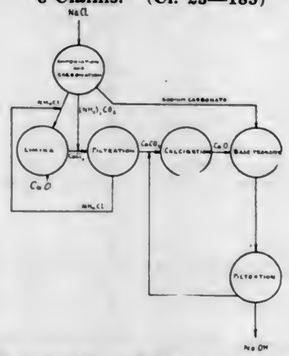
1. A cigarette package comprising an inner two-ply wrapper enclosing the cigarettes, a pouch wrapper member open at the top and in which the wrapped cigarettes are received, said pouch wrapper having its front side of uniform strength from one side edge to the other, a revenue stamp having its ends secured to the front and back of the pouch wrapper and extending across the open end thereof and secured to the exposed end of the wrapped package, an outer Cellophane wrapper enclosing the entire package, a tearing string having one end located between the revenue stamp and the outer face of the pouch wrapper at its back and adhesively united to both the stamp and said outer face, said string extending across the top of the package between said stamp and the two-ply wrapper, and thence extending from the top to the bottom of the package and across the bottom thereof between the pouch member and the two-ply wrapper, the end of the string projecting through the pouch member and Cellophane wrapper at the lower rear corner of the package, said two-ply wrapper being formed with a line of weakness along which it is easily ruptured and which extends across the top and bottom of the package and from the top to the bottom at the front, said line of weakness registering with the tearing string, whereby when a pulling force is applied to the free end of the string, the Cellophane wrapper and the pouch wrapper will be torn across the bottom, up the front and across the top of the package, which package may then be opened by breaking the two-ply wrapper along said line of weakness, thereby providing the two hingedly connected halves of the package with clean-cut edges which have an abutting relation when the opened package is closed again and which are free from projecting flaps that might prevent the edges from closing together in such abutting relation.

2,180,754
COMBINED LICENSE PLATE HOLDER AND ILLUMINATOR
Theodore Checkos, Los Angeles, Calif.
Application November 6, 1937, Serial No. 173,225
5 Claims. (Cl. 40—130)



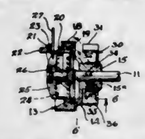
3. In a device of the character described, a substantially rectangular frame comprising two sides and two ends shorter than said sides, a hood reflector on each of said ends, the ends of said frame forming the floors of said reflector hoods, respectively, said hood reflectors each comprising a roof diverging upwardly from said floor, diverging sides connecting the edges of said roof to said floor, said floors each having an opening therein, a light socket connected to each of said floors and extending through said respective openings in horizontal alignment with each other and the longitudinal axis of said frame, illuminating means in each of said light sockets to illuminate uniformly a plate carried by said frame between said hood reflectors.

2,180,755
PRODUCTION OF A PURE CAUSTIC SODA IN CONJUNCTION WITH THE AMMONIA-SODA PROCESS
John C. Garrels and Howard Roderick, Grosse Ile, Mich., assignors to Michigan Alkali Company, Wyandotte, Mich., a corporation of Michigan
Application September 3, 1935, Serial No. 38,962
8 Claims. (Cl. 23—185)



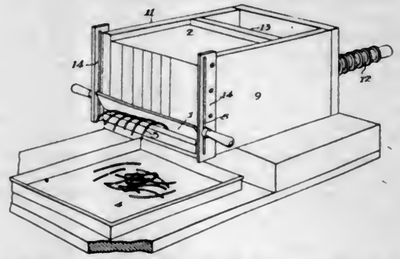
8. In the operation of the ammonia-soda process wherein carbonic acid compounds are formed and lime is reacted with ammonium chloride solution for recovery of ammonia and leaving a calcium chloride solution, clarifying said calcium chloride solution, reacting such carbonic acid compound of the process with such calcium chloride solution to form calcium carbonate, calcining the latter, reacting the resultant compound in the presence of water with sodium carbonate to form sodium hydroxide and calcium carbonate, and then filtering, drying, and returning the last produced calcium carbonate to the cycle, and separating out the sodium hydroxide in pure form as the resultant product.

2,180,756
STITCHING MECHANISM FOR SEWING MACHINES
Leo R. Harding, Buffalo, N. Y.
Application July 24, 1937, Serial No. 155,484
2 Claims. (Cl. 112—218)



1. The combination with the stitching mechanism of a sewing machine, said mechanism including a hook and a shaft for rotating said hook, said hook having a hub, a set screw carried by said hub for securing said hook to said shaft, of a fan for directing a current of air against said hook and associated parts of said mechanism, said fan having a hub which fits over the hub of said hook and which is formed with a slot for accommodating said set screw and means for securing said fan to said hook.

2,180,757
METHOD OF FORMING LIGHTWEIGHT FLUID PERVIOUS CERAMIC BODIES
Earnest T. Hermann, El Segundo, Calif.
Application July 26, 1937, Serial No. 155,745
4 Claims. (Cl. 25—156)



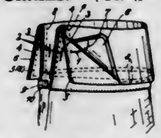
4. The method of manufacturing a ceramic pervious body which comprises shaving of agglomerate particles from a mass of plastic argillaceous material in such condition that said particles have no tendency to plasticly interbond on contact with each other, subjecting said particles to a heat treatment at a temperature sufficient to cause each particle to develop an internal bond and produce significant firing shrinkage in said particles but insufficient to cause a bond between the particles, coating said fired particles with an aqueous medium containing an argillaceous bonding material so as to obtain plastic interbonding of the particles, forming said coated particles into a body having a high percentage of mutually intercommunicating voids and a multiplicity of internal surfaces defining said voids, and then causing said particles to interbond to form an integral body by heat treatment thereof at a temperature in excess of said first-named temperature.

2,180,758

ARTICLE OF LINEN OR GARMENT

Robert Hönigsberg and Oswald Ebner, Vienna, Austria; said Ebner assignor to said Hönigsberg

Application October 26, 1936, Serial No. 107,508
In Austria November 14, 1935
5 Claims. (Cl. 2—116)



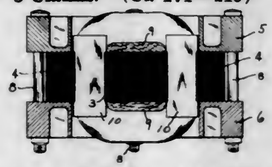
1. Article of linen with a turned-over portion comprising a piece of material covering the folded edge of said portion, a seam capable of being ripped out fastening said piece of material to the fabric of said linen, the ends of the threads of said seam being provided for taking hold for the purpose of ripping out said seam, and a tab sewn on to said linen and covering said thread ends for preventing access to said thread ends and thus the release of the seam by unintentional manipulation.

2,180,759

STATIONARY INDUCTION APPARATUS

Richard F. Kneisley, Toledo, Ohio

Application September 23, 1937, Serial No. 165,379
3 Claims. (Cl. 171—119)



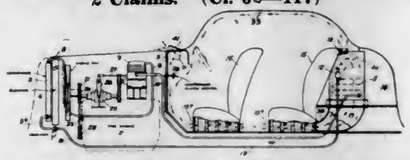
1. A stationary induction apparatus including a magnetizable shell and a core member therewithin and spaced therefrom, inductively related windings embracing said core, and a magnetizable shunt between said core and shell, said shunt including a body having magnetizable laminations, and a resilient covering, said covering being of a strength and its resilience of a degree whereby to hold the laminations against vibrations, the overall width of said covered shunt being greater than the distance between the core and shell whereby upon compression to hold the shunt firmly in position.

2,180,760

COOLING SYSTEM FOR VEHICLES

Edward L. Mayo, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio

Application September 13, 1938, Serial No. 229,640
2 Claims. (Cl. 62—117)



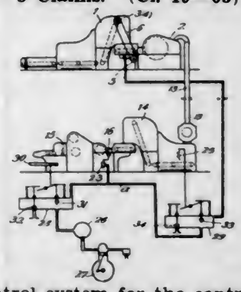
1. In a system for cooling the passenger compartment of an automobile having an engine, a radiator mounted in advance of said engine and permitting passage of air for cooling said engine, and a fan mounted in advance of said engine to provide flow of air for cooling said engine, a condenser, an evaporator in a passageway leading to said passenger compartment and an air-cooled compressor connected for circulation of a refrigerant through said evaporator and condenser in a closed circuit, means supporting said compressor directly above and spaced from the top of the engine and within the effective cross area of the cooling air, said means permitting a substantial unobstructed flow of said cooling air through the space between said compressor and engine.

2,180,761

CONTROL DEVICE FOR CLEANING MACHINES FOR TEXTILE MATERIALS

Josef Meier, Winterthur, Switzerland, assignor to the firm Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland

Application February 23, 1938, Serial No. 192,192
In Germany January 2, 1937
5 Claims. (Cl. 19—65)



2. A control system for the control of successively operating units of machinery for opening and cleaning textile material comprising first and second power driven units for treating textile material, couplings for connecting and disconnecting each of said units from the driving power, means for sensing the quantity of textile material present at a certain location in the second unit, a source of pressure fluid, a fluid-operated motor for operating one of said couplings, conduit system connecting said source with said motor, valves connected in said conduit system, one for opening and closing communication between said source and said motor, and another connected to said system of conduits between the first-mentioned valve and said motor for opening and closing the portion of said system between said first-mentioned valve and said motor to and from the atmosphere, and means controlled by said sensing means for opening and closing said valves alternately to supply and release pressure fluid to and from said motor to connect and disconnect the coupling controlled thereby in dependence on the quantity of textile material present at said location as sensed by said sensing means.

2,180,762

PROCESS FOR THE MANUFACTURE OF CARBONYL COMPOUNDS OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES

Karl Miescher, Riehen, and Hans Kaegi and Placidus Plattner, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application October 14, 1938, Serial No. 235,100. In Switzerland October 25, 1937
6 Claims. (Cl. 260—397)

1. Process for the manufacture of carbonyl compounds of the cyclopentanopolyhydrophenanthrene series, comprising subjecting to a thermal decomposition triarylmethyl ethers of carbinol compounds of the cyclopentanopolyhydrophenanthrene series.

2,180,763

PROCESS FOR FRACTIONATING HYDROCARBON OILS

Gerritt Willem Nederbragt, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 27, 1938, Serial No. 231,904. In the Netherlands March 8, 1938
8 Claims. (Cl. 196—13)

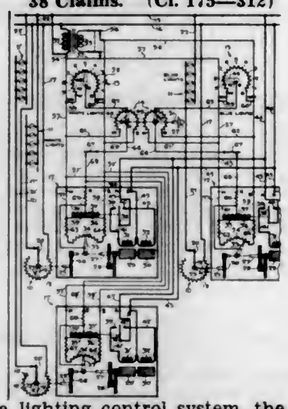
1. Process for producing a normally liquid, essentially non-aromatic hydrocarbon product comprising the steps of dewaxing a wax-bearing hydrocarbon mixture in the presence of a selective solvent for aromatic hydrocarbons to produce a solution of a substantially wax-free hydrocarbon mixture in said solvent, removing the wax from said solution, cooling said solution to a temperature between about —35° C. and —125° C. sufficiently low to solidify a portion of the hydrocarbons as a solid phase and form simultaneous liquid raffinate and extract phases, said solvent being capable of forming said two liquid phases at said low temperature and having a sufficient solvent power to dissolve all liquid hydrocarbons in a single liquid phase at a higher temperature at which at least a portion of the wax-free hydrocarbons are solidified, separating the solid phase from the liquid phases, separating the remaining liquid phases one from the other, combining hydrocarbons in the separated solid phase with hydrocarbons in the separated liquid raffinate phase and reliquefying the hydrocarbons in the solid phase to form a normally liquid, essentially non-aromatic product.

2,180,764

LIGHTING CONTROL SYSTEM

Clarence W. Nessell, Forest Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 9, 1936, Serial No. 67,819
38 Claims. (Cl. 175—312)



7. In a lighting control system, the combination of lighting means for giving a desired lighting effect, regulating means in control of said lighting means, a plurality of control means arranged in a plurality of presets which way be more than three presets for controlling said regulating means, means for placing directly the control means of any preset in control of the regulating means regardless of which preset of control means was in control of the regulating means and regardless of the number of presets of control means, and means for automatically rendering the control means of the remaining presets inoperative to control said regulating when the control means of any preset are placed in control of the regulating means.

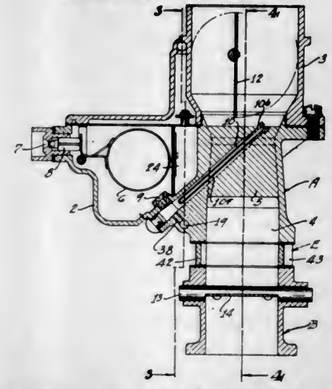
29. In a lighting control system, the combination of lighting means for giving a desired lighting effect, a plurality of regulating means for said lighting means, an adjustable control means for positioning each regulating means, said control means and regulating means being arranged in color groups, a color master control means associated with each color group only, and means for transferring the control of the regulating means of any color group from their respective control means to their associated color master control means whereby the regulating means of a color group may be positioned by the color master control means of that group, the arrangement being such that the color master control means of any color group has no influence over the control of the regulating means of any other color group.

2,180,765

CARBURETOR DEVICE

Ernst H. Nieman, Pine Lawn, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application March 17, 1936, Serial No. 69,279
10 Claims. (Cl. 261—1)



10. In combination, a carburetor body part having a fuel chamber and a plurality of fluid conduits, an adjacent part having conduits forming continuations of the conduits in said body part, and a spacer device between said parts of unitary, die cast, skeletal construction forming substantial air pockets for resisting the transfer of heat between said parts and having apertures in registry w'th said conduits, said carburetor parts and said device also having registering holes for attaching bolts.

2,180,766

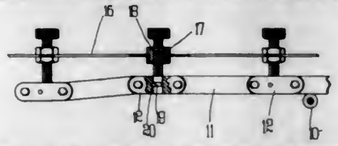
FORMING MACHINE FOR GLASSWARE

Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York

Application January 11, 1937, Serial No. 120,075
In Great Britain January 22, 1936
6 Claims. (Cl. 74—568)

5. An adjustable cam track carried by a fixed

horizontally disposed cover plate associated with a glassware forming machine or the like, said cam track comprising a plurality of sections linked together in tandem relation with the lower faces of the sections forming a continuous surface for engagement by a cam follower, and a plural-



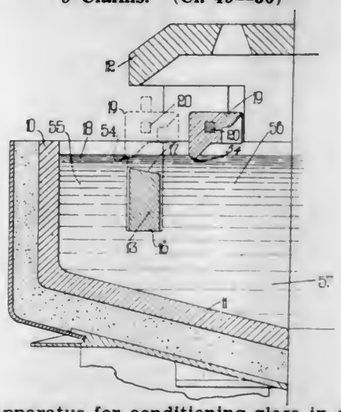
ity of threaded spindles carried by and depending from the cover plate and connected to alternate sections, whereby said sections may be raised and lowered relative to the cover plate to change the angles of inclination of intermediate sections, to vary the contour of said continuous surface.

2,180,767

SKIMMING DEVICE FOR GLASS TANKS OR FURNACES

Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York

Application April 29, 1937, Serial No. 139,804
In Great Britain May 2, 1936
9 Claims. (Cl. 49—56)



1. Apparatus for conditioning glass in a forehearth comprising a refractory bridge supported by the forehearth side walls and spaced rearwardly from the front wall of the forehearth and extending transversely thereof with its bottom surface above the forehearth floor to form a channel therebetween and with its upper surface below the normal level of glass within the forehearth, a skimmer, and means for moving said skimmer through said glass from a vertical plane adjacent said bridge to a position rearwardly thereof to draw the upper surface of relatively cold glass from the space between said front wall and said bridge rearwardly over said bridge and to circulate hot glass forwardly under said bridge to said space.

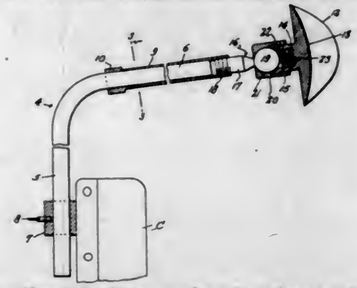
2,180,768

ADJUSTABLE HEADREST

Russell M. Peterson, Holdrege, Nebr.

Application February 11, 1938, Serial No. 190,092
1 Claim. (Cl. 155—177)

A headrest of the class described, comprising a supporting bracket, an L-shaped rod having an arm slidably associated with said bracket, means for securing said rod in adjustable position relative to said bracket, a tube sleeved on the other arm of said rod and provided for longitudinal adjustment thereon, a swivel type connection including a stud being tapped on one end of said tube for axially adjustment relative thereto, a



ball on the opposite end of said stud, a cap having a socket loosely engaging said ball, and a headrest having a hollow stem threadedly engaging in said socket, and a spring disposed in the hollow of the stem and impinging against said ball in the manner and for the purpose set forth.

2,180,769

PROCESS FOR PRODUCING EASILY SOLUBLE COERULEIN DERIVATIVES

Eduard Peyer, Basel, Switzerland, assignor to the firm of Durand & Huguenin A. G., Basel, Switzerland

No Drawing. Application April 14, 1938, Serial No. 202,129. In Germany April 21, 1937
5 Claims. (Cl. 260—335)

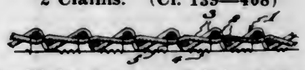
1. A process for producing coerulein derivatives, which comprises treating a pyrogallol coerulein sulphonic acid with an aqueous solution of a salt of sulphurous acid.

2,180,770

PLURAL-PLY WOVEN FABRICS

Heinrich Pferdmenges, Giesenkirchen, near Rheydt, Germany

Original application July 25, 1936, Serial No. 92,687. Divided and this application March 10, 1938, Serial No. 195,173. In Germany August 10, 1935
2 Claims. (Cl. 139—408)



1. A multiple ply woven fabric, at least one of said plies being of thicker thread and of larger mesh than any other ply, said larger mesh ply being constituted of shrunken threads, another of said plies being of finer thread and closer mesh and constituted of unshrunken threads, whereby puckering of the finer mesh ply is prevented when said fabric is wetted.

2,180,771

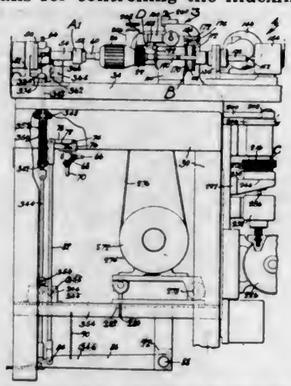
COMMUTATOR SEPARATOR UNDERCUTTING MACHINE

Lora E. Poole, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 12, 1937, Serial No. 136,464
23 Claims. (Cl. 90—15.1)

1. A machine for undercutting the insulating separators of a commutator comprising, in combination, means for supporting a commutator,

means for undercutting the insulating separators, means for producing relative bodily movement between the commutator supporting means and the separator undercutting means, power operated means for intermittently indexing the commutator to move the separators successively into alignment with the undercutting means, electrical means for controlling the indexing means



including a contact in alignment with the undercutting means for engaging the commutator and a circuit established by the engagement of the contact with a commutator bar to cause the commutator to be rotated until the bar is moved away from the contact, and means for causing a commutator bar to be engaged by the contact subsequent to an undercutting operation.

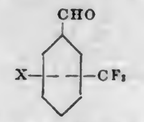
2,180,772

TRIFLUOROMETHYL BENZALDEHYDES

Otto Scherer, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 20, 1936, Serial No. 106,695. In Germany October 25, 1935
4 Claims. (Cl. 260—599)

1. The compounds of the following general formula:



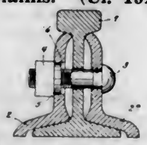
wherein X stands for a member of the group consisting of hydrogen, halogen and trifluoromethyl.

2,180,773

NUT LOCK

William Olindo Simpson, Mexico City, D. F., Mexico

Application March 11, 1938, Serial No. 195,376
2 Claims. (Cl. 151—33)



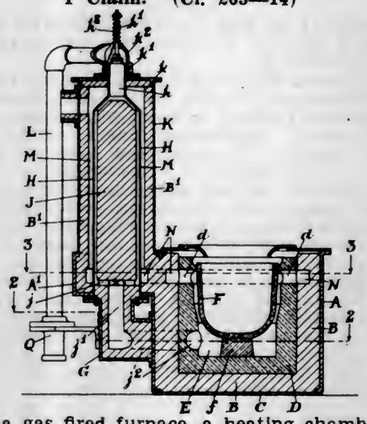
1. A railroad track lock nut comprising, in combination, a fish plate having an opening extending therethrough, said opening being of uniform bore throughout its entire extent, a bolt extending through said opening, the axes of the opening and the bolt being initially angularly out of alinement, a nut threaded upon the bolt, said nut having a non-distortable cylindrical portion integral therewith and coaxial with the bolt, said cylindrical portion being of proper diameter to fit within the opening in the fish plate, and to bear frictionally with its outer surface against the peripheral surface of said opening, whereby tightening the nut, by screwing it along the bolt, will cause the surface of the said cylindrical portion of the nut to produce alinement of the axis of the nut with the axis of the holes, thereby flexurally stressing the bolt and thus generating a force which will cause the said cylindrical portion to bind against the inner wall of the hole.

2,180,774

GAS FIRED FURNACE

Stephen Stanworth and James Stanworth, Burnley, England

Application August 2, 1939, Serial No. 288,024
In Great Britain August 3, 1938
1 Claim. (Cl. 263—14)



In a gas fired furnace, a heating chamber, a heat resisting metal tube situated at one side thereof, a refractory brick-work core situated within the tube, an air passage extending between the core and the tube, an air pipe connected with the tube for supplying air under pressure to the said passage, openings in the core leading to a passage arranged in open communication with the heating chamber, a casing surrounding a metal tube and spaced a short distance therefrom to form a passage, and a passage leading from the heating chamber to the said passage and through an opening in the latter to an exhaust, a gas burner nozzle situated in the passage through which compressed air is delivered to the heating chamber, a valve for controlling the supply of gas to the burner, a damper for controlling the supply of air under pressure, means for connecting the valve and damper and means for effecting independent adjustment thereof.

2,180,775

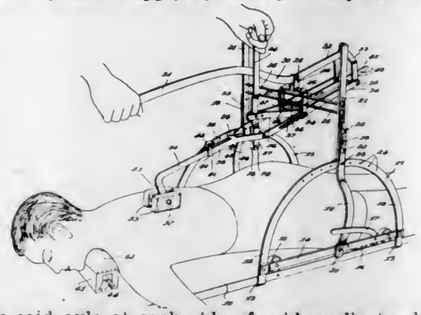
SPINAL ADJUSTER

Evan W. Stevens, Roscoe, Mo.

Application March 7, 1938, Serial No. 194,497
10 Claims. (Cl. 128—72)

7. In a spinal adjustment instrument, a manipulator bar, a manually operable compound leverage system operatively connected with said bar for pressing the same against a spinal col-

umn, an axle carried by said bar at its end and extending laterally from opposite sides thereof, and a pressure applying block pivotally mounted



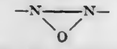
on said axle at each side of said applicator bar and rotatable independently of one another in planes parallel to the axis of the bar.

2,180,776
PROCESS FOR THE MANUFACTURE OF COMPLEX METAL COMPOUNDS OF POLYAZO DYESTUFFS

Fritz Straub, Basel, and Walter Hanhart, Riehen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application June 15, 1937, Serial No. 148,410. In Switzerland June 17, 1936
7 Claims. (Cl. 260—143)

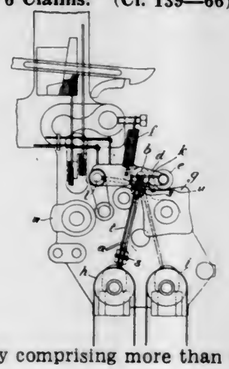
1. Process for the manufacture of complex metal compounds of polyazo-dyestuffs, which comprises causing agents yielding metal and alkaline reducing agents to react in the same working operation with azo-dyestuffs containing at least one nitro-group in para-position to an azo-group as well as lake-forming groups, this reaction being carried out in such a manner that in addition to the metallization of the dyestuff the nitro-group is converted into such a reduction stage which links two radicals of the azo-dyestuff by a member of the group consisting of —N=N— and



2,180,777
DOBBY WITH MORE THAN ONE PATTERN-CARD CYLINDER

Hugo Stäubli, Zurich, Switzerland, assignor to Gebr. Stäubli & Co., Horgen, Canton of Zurich, Switzerland

Application May 2, 1938, Serial No. 205,580
In Switzerland May 11, 1937
6 Claims. (Cl. 139—66)



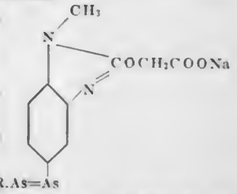
1. A dobby comprising more than one pattern-card cylinder for pattern-cards of pasteboard, Verdol's paper or other thin material, a movable set of pick-reading needles and a device adapted to change over said set of needles alternately from one pattern-card cylinder to another.

2,180,778
ASYMMETRIC ARSENO COMPOUNDS

Karl Streitwolf, deceased, late of Frankfort-on-the-Main, Germany, by Frieda Streitwolf, administratrix, Frankfort-on-the-Main, Germany, Alfred Fehrle, Bad Soden, Taunus, and Walter Herrmann, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Original application December 23, 1930, Serial No. 504,414. Divided and this application March 2, 1937, Serial No. 128,691. In Germany July 22, 1930
4 Claims. (Cl. 260—300)

1. The asymmetric arseno compounds of the following formula:

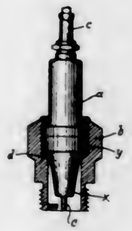


wherein R stands for a benzene nucleus which contains at least one residue selected from the group consisting of $—NHCH_2OSO_2Na$, $—NHCOCH_3$ and a 4-amino-2.3-dimethyl-pyrazolone radical substituted in the amino group, readily dissolving in water to neutral solutions of good efficacy and tolerability when applied intravenously, subcutaneously or intramuscularly.

2,180,779
ETCHED SPARKING PLUG

Richard Stribeck, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

Application June 18, 1938, Serial No. 214,557
In Germany July 9, 1937
8 Claims. (Cl. 123—169)



1. A process for improving the stability to temperature change of sparking plug insulators consisting of a burnt ceramic mass of insoluble and soluble components, which comprises superficially etching said insulators by contacting them with an etching medium which attacks the soluble components but which does not substantially attack the insoluble components.

2,180,780
WINDOW SCREEN

Austin P. Summers, Spokane, Wash., assignor of one-half to Carl G. Ekholm, Spokane, Wash.

Application September 7, 1938, Serial No. 228,858
1 Claim. (Cl. 156—39)

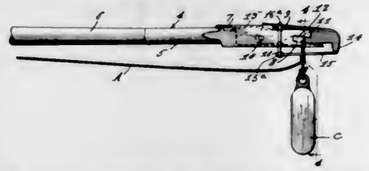


A window frame having a cross bar formed with a longitudinal slot, a sash slidable in said frame and having an end bar formed with a groove confronting the slot, a housing carried by said cross bar and enclosing the slot, a rewind roller in said housing, a sheet of screening wound upon said roller and projecting out through the slot, a binding for the outer end of said screening engaged in said groove, said binding being formed with a longitudinal slot having a lateral entrance through the outer side edge of the binding, the end bar of said sash having a longitudinal slot therein registering with the slot of the binding when the binding is seated within the groove, and a fastener passing through the slot of the end bar and shiftable longitudinally therein into and out of position to engage through the slot of the binding and releasably secure the binding in the groove of the end bar of the sash.

2,180,781
FISHING TACKLE

William L. Taylor, Roanoke, Va.

Application October 26, 1938, Serial No. 237,093
3 Claims. (Cl. 43—19)



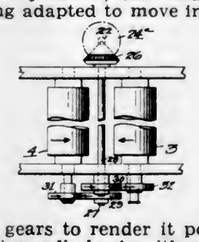
1. A casting device adapted for connection to the end of a casting rod, said device comprising a body formed on one end with an outwardly extending slot, a spring pressed latch member pivoted to said body and normally closing said slot, and a line engaging element mounted on said latch member, and pivotally connected to said device and adapted to be engaged by a casting line having a loop positioned in said slot and actuated by said line to move said latch member to permit release of said loop from within said slot upon termination of catapulting motion of said device.

2,180,782
ROTARY PRINTING PRESS

Isidor Tornberg, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Original application June 9, 1936, Serial No. 84,244. Divided and this application March 17, 1937, Serial No. 131,277
3 Claims. (Cl. 101—178)

1. The combination of a printing unit in two separated parts, each comprising an impression cylinder having studs and a plurality of printing cylinders, sliding gears on the studs of said impression cylinders, means for driving said gears in opposite directions, and two shafts between the impression cylinders, said sliding gears on said studs being adapted to move into mesh with



either of said gears to render it possible to run either impression cylinder in either direction.

2,180,783
RACKET PRESS

Edric Vredenburg, Jr., London, England

Application October 25, 1937, Serial No. 170,881
In Great Britain October 29, 1936
10 Claims. (Cl. 273—74)

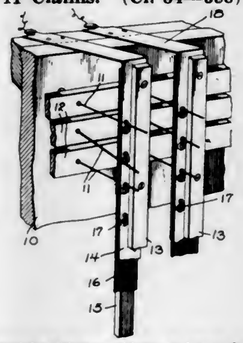


1. A racket press comprising two co-operating clamping frames, a rod provided with ratchet teeth carried by one of said frames and a detent carried by the other frame which is mounted to slide on said rod, the ratchet teeth of said rod being normally engaged by said detent to prevent said frames being moved apart, but permitting said detent to slip over them, when said frames are approached towards one another, thereby enabling a racket to be clamped between said frames by mere hand pressure on one of them, means being provided to disengage said detent from said teeth, at will, to permit of movement apart of said frames for removal of the racket.

2,180,784
ADJUSTABLE COMBINATION ACTION FOR PIPE ORGANS

Samuel S. Waters, Washington, D. C.

Application June 23, 1936, Serial No. 86,870
11 Claims. (Cl. 84—338)



1. In a combination action, a base board, a plurality of stop bar elements mounted on and parallel to said base board and movable in a plane parallel to said base board, each stop bar element including a pair of metallic contact strips, a row

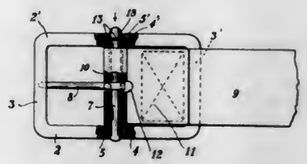
of resilient contacts mounted on said base board and projecting therefrom substantially at right angles, a common engaging means for normally biasing said entire row of resilient contacts into locked engagement with predetermined contact strips of said stop bar elements throughout the range of movement of the latter, and means for temporarily shifting said common engaging means and disengaging said contacts from said contact strips.

2,180,785
WIPING MECHANISM FOR INTAGLIO PRINTING PRESSES
Arthur M. Wickwire, Jr., Mountain Lakes, N. J., assignor to Chambon Corporation, Garfield, N. J., a corporation of New York
Application June 22, 1938, Serial No. 215,079
12 Claims. (Cl. 101—157)



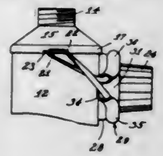
1. In an intaglio printing machine, the combination with a doctor blade of a single resilient means for applying pressure equally to both ends of said doctor blade.

2,180,786
BUCKLE
Nicolás Maria Angel Alberto Antonio Alvarez and Enrique Amadeo Viglione, Buenos Aires, Argentina
Application December 28, 1938, Serial No. 248,124
In Argentina November 3, 1938
1 Claim. (Cl. 24—178)



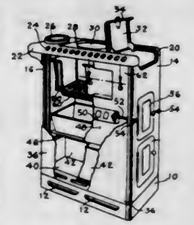
A detachable buckle adapted to be secured to belts, straps, harness parts and the like, comprising a frame having two oppositely disposed frame portions rigidly connected together, a lug on each frame portion extending normally to the plane of the buckle, a mounting hole in each lug, at least one of said lugs being split longitudinally, a fixing hole in the frame portion in the neighbourhood of the split, spring retaining means located in the said split, said spring retaining means being of substantially U-shape configuration and having a projecting arm adapted to be permanently secured in said fixing hole, the legs of the U extending across part of the respective mounting hole, a buckle tongue having an eye, and a pin adapted to pass freely through said eye and to be assembled with said frame portions in supporting engagement with the said mounting holes, said pin having in the neighbourhood of at least one end a groove adapted to receive the legs of the U-shape retaining means whereby detachably to secure said pin to the frame member.

2,180,787
CLOSURE
Gabriel Aukland, Shabbona, Ill.
Application May 29, 1939, Serial No. 276,282
6 Claims. (Cl. 221—60)



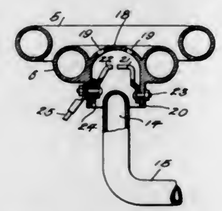
1. The combination in a closure for containers having a neck, of a cap shaped to seat over said neck, said cap having an annular flange, a sleeve around said cap seated against the flange for rotation of the cap with respect thereto, ears at diametrically opposed points on the sides of the container spaced longitudinally of the container from said sleeve, and a rubber band seated on said sleeve and around said ears to draw the cap selectively against either the neck or the side of the container.

2,180,788
DUO-FUNCTIONAL COOK AND HEATING STOVE
Benjamin F. Berkheimer, Greenville, Ohio
Application January 9, 1939, Serial No. 249,974
9 Claims. (Cl. 126—4)



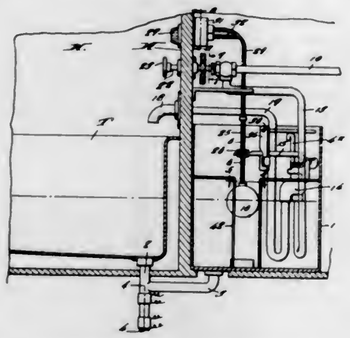
2. A duo-functional stove for use as a kitchen cook stove and as a heating stove having a pair of end frame members joined by side panels, said end frame members supporting a fire-box in the center and near the top thereof, the fire-box being arranged in spaced relation from the sides of the stove so as to leave air passages for the circulation of air past the fire-box, the combination including a top member of the cook stove forming the top of the stove, which top is provided with overhanging ledges having marginal apertures for the passage of air currents, a pair of fire pit frame members depending from the top and in spaced relation from the sides thereof and projecting downwardly on either side of the fire-box in spaced relation from the outside of the side panels of the stove, said fire pit frame members having openings therein and a continuous fire-box lining having the outside exposed to the air to be heated through the openings in the fire pit frame members, said air circulating upwardly through the openings in the overhanging ledges in the top of the stove into the room to be heated.

2,180,789
GAS BURNER
James E. Browning, San Antonio, Tex., assignor of one-half to Claude V. Birkhead and Werner N. Beckmann, both of San Antonio, Tex., copartners doing business as Birkhead, Beckmann, Stanard & Vance
Application August 17, 1938, Serial No. 225,488
1 Claim. (Cl. 158—115)



A gas burner of annular form, a perforated dome-like plate integrally joined at its peripheral edge to the inner periphery of said annular burner, a continuous vertical wall integrally joined to said inner periphery of said burner and projecting downwardly therefrom, said perforated plate and wall cooperating with said inner periphery of said burner in forming a perforated hood, an igniting burner extending upwardly into the lower portion of said hood in spaced relation with said wall, and electrodes mounted on said wall within said hood and providing a spark gap over said igniting burner.

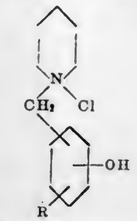
2,180,790
AUTOMATIC WATER CONTROL FOR BATHTUBS
Durell Ellson Brummett, Shreveport, La.
Application August 1, 1939, Serial No. 287,817
4 Claims. (Cl. 4—192)



1. In combination with a tub and hot and cold water supply pipes, a tank in communication with the tub, a float controlled valve in the tank, a pipe leading from the outlet of the valve to supply water to the tub, valves in the hot and cold water pipes, a pipe connecting the valves together, a pipe connecting the last-mentioned pipe with the valve in the tank, means for adjusting the hot and cold water valves to regulate the temperature of water flowing through the first-mentioned valve, means for regulating the time of closure of the first valve by the float for regulating the water level in the tub.

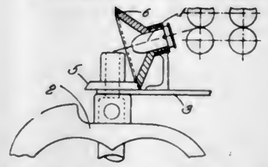
2,180,791
CONDENSATION PRODUCTS AND A PROCESS OF PREPARING THEM
Arnold Brunner, Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Original application February 26, 1937, Serial No. 128,025. Divided and this application October 12, 1937, Serial No. 168,681. In Germany March 5, 1936
5 Claims. (Cl. 260—297)

1. The compound which corresponds with the formula:



wherein R means alkyl containing from 12 to 14 carbon atoms, the compound being unstable towards alkalies and soluble in water.

2,180,792
FLYER FRAME FOR TEXTILE ROVINGS
Fernando Casablancas, Manchester, England, assignor of one-half to Casablancas High Draft Company Limited, Manchester, England, a British company
Application March 20, 1939, Serial No. 263,012
In Great Britain March 31, 1938
8 Claims. (Cl. 57—51)

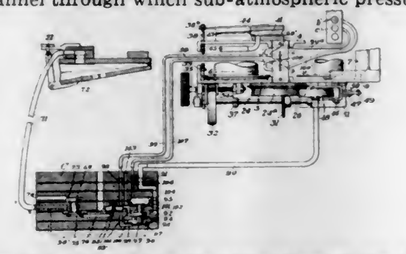


1. In a flyer frame for use in the preparation of textile rovings, the combination of a set of drafting rollers, a flyer, means for rotating said rollers and said flyer, a false twist device for said roving mounted between said rollers and said flyer and adjacent said flyer, and means for transmitting the drive for said false twist device from said flyer.

2,180,793
DRIVING MECHANISM FOR PNEUMATIC ACTIONS
George W. Carlson, Pittsburgh, Pa., assignor to Robert H. McClintic, Pittsburgh, Pa.
Application March 10, 1936. Serial No. 68,071
15 Claims. (Cl. 242—55)

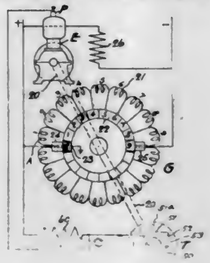
15. A record roll mechanism for pneumatic actions, comprising a shiftable rewind driving gear, a pneumatic mechanically connected with said gear for shifting said gear both into and out of driving position, and a double pneumatic valve having a valve element and two opposed diaphragm pouches for moving and holding the valve in either of two positions, the pneumatic system including separate tubes for controlling the operation of each pouch, said tubes leading through a controlled port to atmosphere and

providing means for introducing air to one face of each pouch, the valve including a suction channel through which sub-atmospheric pressure



may be established on the other faces of the two diaphragm pouches for pneumatically controlling said pneumatic.

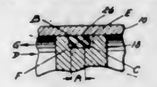
2,180,794
IGNITION SYSTEM
Wilbur L. Carlson, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 20, 1939, Serial No. 251,889
2 Claims. (Cl. 123—149)



1. An ignition system for prime-mover dynamo power plants comprising, in combination, a direct current generator, an internal combustion engine driving the generator, an ignition coil designed to operate on lower voltage than the generator terminal voltage and having a secondary winding connected with the engine spark plug and primary winding connectible with the generator, a circuit including the primary winding and a varying number of generator armature coils, and an engine-driven ignition timer circuit breaker for making the ignition primary circuit when there are zero generator armature coils included in the circuit and for breaking the ignition primary circuit when there are a predetermined number of generator armature coils included in the circuit (less than the full number of armature coils between generator terminal brushes), the predetermined number of armature coils being such that the average voltage impressed upon the ignition coil is approximately equal to the rated voltage of the ignition coil.

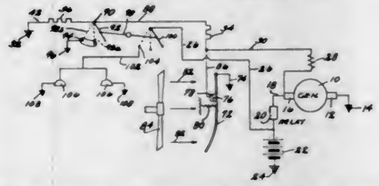
2,180,795
PACKING
Niels A. Christensen, South Euclid, Ohio
Application October 2, 1937, Serial No. 166,996
5 Claims. (Cl. 309—23)

1. In a fluid pressure mechanism, a pair of relatively movable elements, one of said elements having a packing groove with a substantially flat bottom wall parallel to the axis of motion of said elements, a resilient elastic composition packing ring of normally round cross-section positioned in said groove, said groove having bottom and side walls and being of such dimensions that the ring when operatively positioned therein between said elements is compressed a fractional part of its radial dimension and is expanded in its axial dimension to form a seal between said elements,



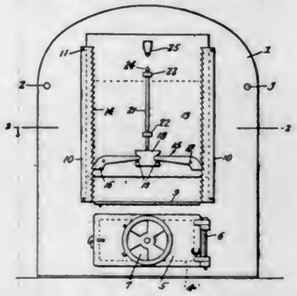
the axial dimension of said groove exceeding the axial dimension of the ring when in operative position by a fraction only of the axial dimension of the ring to allow for expansion and kneading action of the ring during movement of the elements and to prevent rolling of the ring through more than 180°.

2,180,796
VOLTAGE CONTROL SYSTEM
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 29, 1937, Serial No. 171,668
3 Claims. (Cl. 290—7)



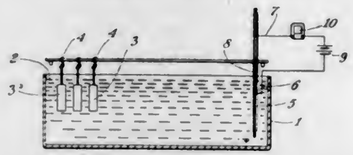
1. In a system of electrical supply and control, wherein a storage battery as a current source for electrical devices is maintained in charged condition by a generator driven at widely varying speeds of a prime mover, the combination comprising, a resistance in circuit with the generator field, an air operated switch having normally closed contacts for by-passing the resistance, and operable at a predetermined speed of the prime mover to insert in the field circuit of the generator at least a part of the resistance, and means responsive to completing a circuit from the source to an electrical device for cutting out of the field circuit, at least a part of the resistance.

2,180,797
FURNACE DOOR STRUCTURE
Luther M. Cockerham, Elkin, N. C.
Application May 25, 1939, Serial No. 275,739
2 Claims. (Cl. 110—173)



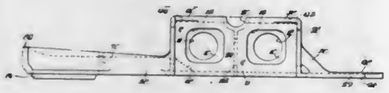
1. In a furnace, a front plate having a doorway therein, a pair of vertically disposed guides secured to said plate upon opposite sides of said doorway, respectively, and provided with ratchet toothed inner edges, a door vertically slidable in said guides, a pair of horizontally disposed latch bars pivoted intermediate the ends thereof upon opposite sides of the vertical central axis of said door, respectively, in end to end spaced apart relation and having pawl-like outer ends adapted to engage and disengage said teeth upon movement of the inner ends of said latch bars downwardly and upwardly, respectively, a counterweight bridging the inner ends of said latch bars and operatively connected thereto to normally urge said ends downwardly, and manually operative means on said door for elevating said counterweight at will.

2,180,798
ELECTROLYTIC DEVICE
Joseph L. Collins, North Adams, Mass., assignor to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application July 20, 1936, Serial No. 91,614
8 Claims. (Cl. 148—8)



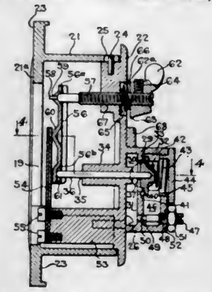
5. In the manufacture of electrolytic condensers, the process which comprises, subjecting in an etching solution filming electrodes to chemical etching, measuring the temperature rise caused by the exothermic reaction, and utilizing said temperature rise as an indicator of the degree of etching.

2,180,799
CAR UNDERFRAME
Robert B. Cottrell and John E. Flesch, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 23, 1938, Serial No. 197,647
19 Claims. (Cl. 105—420)



1. In a railway car underframe symmetrical rolled members adapted to be welded along abutting edges to form a center sill of inverted U-section with horizontal longitudinal flanges at its lower edges, and center filler reinforcing means in the form of symmetrical castings having box-like central portions adapted to be welded together along their abutting edges and having their bottom walls substantially flush with said bottom flanges, said central portions having their lateral longitudinal edges chamfered to form channels for the reception of welding metal, each of said castings comprising a skeletal end portion formed of inwardly projecting ribs and a plurality of outwardly projecting portions adapted to be received in associated openings in said sills and to be welded thereto, said skeletal portions being adapted to provide a maximum of welding along longitudinal lines, whereby said welding and said longitudinal ribs provide a maximum of resistance to longitudinal thrusts.

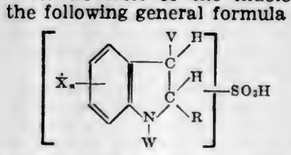
2,180,800
VALVE
Benjamin Cyr, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 10, 1936, Serial No. 58,530
4 Claims. (Cl. 236—33)



1. A thermostatic device adapted for surface mounting on a receptacle comprising a housing, a wall dividing said housing into two compartments, one compartment being adjacent the receptacle, a temperature responsive element positioned wholly in said one compartment, the wall of said one compartment to be disposed adjacent said receptacle having a large aperture therein permitting access of heat from said receptacle directly to said element, a valve in said other compartment controlling flow of fluid through a fuel supply line, a valve stem connected to said valve and extending through the wall separating the two compartments, an operating lever for said valve stem in said one compartment, said lever being associated with said valve stem and thermostatic element so that as the thermostatic element moves in one direction in response to a temperature change in the medium in said receptacle, said valve is moved to one position, means biasing said valve towards its other position, said housing completely surrounding said thermostatic element except for said opening so as to impede access of heat from any source other than said receptacle to said element, and means in said one compartment, accessible exteriorly of the casing, for adjusting the fulcrum of said lever, whereby the position of said valve for any temperature of the fluid in the tank, may be varied.

2,180,801
SULPHONATED INDOLE DERIVATIVES AND A PROCESS OF THEIR MANUFACTURE
Kurt Engel, St. Louis, Ht. Rhin, France, assignor to the firm J. R. Geigy S. A., Basel, Switzerland
No Drawing. Application May 12, 1937, Serial No. 142,284. In Switzerland May 14, 1936
5 Claims. (Cl. 260—319)

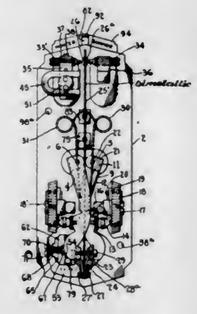
1. The soluble salts of the indole sulphonic acid of the following general formula



wherein R is a high molecular aliphatic radical

with more than five C-atoms, W being one of the group consisting of H, alkyl, benzyl and phenyl, V being a member selected from the group consisting of H, alkyl, benzyl and phenyl groups, and X represents a member selected from the group consisting of H and methyl, *n* being 1 or 2, said salts being when neutralized and evaporated white to slightly colored powders, soluble in water to clear solutions with capillary active properties, suitable as wetting, dispersing, emulsifying, penetrating and washing agent and in particular for emulsifying lime soap.

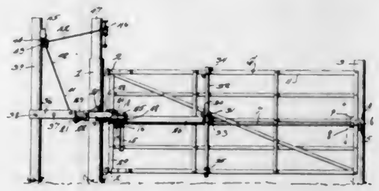
2,180,802
CONTROL DEVICE
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 3, 1936, Serial No. 72,603
25 Claims. (Cl. 200—122)



1. A thermostat comprising a base member, an adjustment lever pivotally mounted on said base member, a thermostatic blade carried by said adjustment lever, an electrically energized heating element carried by said adjustment lever for influencing the operation of said blade, a pair of contact members cooperable with said blade, one of said contact members being electrically connected to said heating element such that said heating element is energized upon contact between said one contact member and said blade, said blade being cooperable with said one contact member to control the temperature of a room to maintain the air of the room at a relatively high predetermined temperature and cooperable with the other of said contact members to control the temperature of the room to maintain a relatively low room air temperature, and a manually operable switch mounted on said base member and operable to change the circuit from one of said contact members to the other of said contact members.

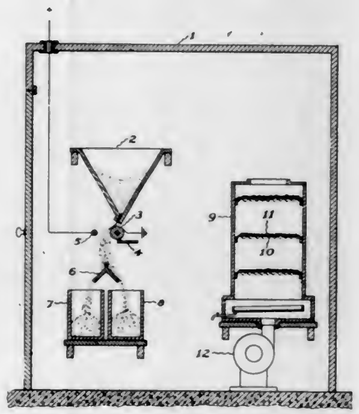
2,180,803
GATE OPERATING MEANS
Frank A. Duffe, Wilton Junction, Iowa
Application September 8, 1938. Serial No. 229,030
1 Claim. (Cl. 39—39)

In combination with a swinging gate and a rocking latch carried thereby, a rock lever, an operating member operatively engaged with the gate and pivotally connected to the rock lever, means for swinging the rock lever to open or close the gate, a latch bar pivotally mounted on the operating member, an operative connection between the latch bar and the rocking latch for swinging the latch into released position upon swinging movement of the latch bar in one direction, the rock lever contacting with the latch bar upon closing of the gate to swing said latch



bar in a direction to swing the latch into locking position, and means for vertically adjusting the latch and holding the same in selective adjusted position.

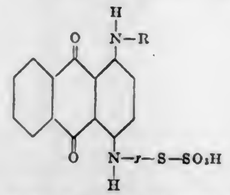
2,180,804
PROCESS OF ELECTROSTATIC SEPARATION
Frank A. Fahrenwald, Harvey, Ill., and Norman Frederick Parkinson and George Henry Barnes, Toronto, Ontario, Canada, assignors to International Titanium Limited, Toronto, Ontario, Canada
Application August 24, 1936, Serial No. 97,608
3 Claims. (Cl. 209—127)



1. That improvement in the art of electrostatic separation of a mixture of particles of zircon and rutile into its constituent parts which comprises, pre-drying the mixture of zircon and rutile out of contact with the ambient within which the separation takes place, permitting the mixture to fall in unconstrained condition through the electrostatic field of a charged electrode to divert the particles of zircon from the particles of rutile in accordance with their ability to receive electrical charges, isolating the ambient in and surrounding the electrostatic field of the electrode, maintaining the electrode substantially at normal room temperatures, and controlling the moisture content of the isolated ambient to maintain the same below a predetermined maximum by withdrawing moisture from the ambient when the humidity thereof exceeds 40% relative humidity at ordinary room temperatures.

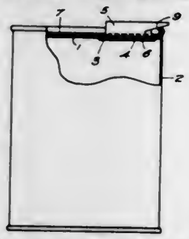
2,180,805
α-AMINO-ANTHRAQUINONES AND PROCESS OF MAKING SAME
Friedrich Felix, Basel, Paul Grossmann, Binningen, and Max Bommer, Riehen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application February 1, 1938, Serial No. 188,190. In Switzerland February 3, 1937
6 Claims. (Cl. 260—371)

2. α-amino-anthraquinones of the general formula



in which R stands for a member of the group consisting of H, alkyl and a six-membered aromatic nucleus, and *x* stands for a radical selected from the group consisting of the alkylene and hydroxyalkylene radicals containing at least 2 and not more than 3 carbon atoms, which products form dark powders which dissolve in water to violet to blue and to green-blue solutions and dye the fiber similar tints.

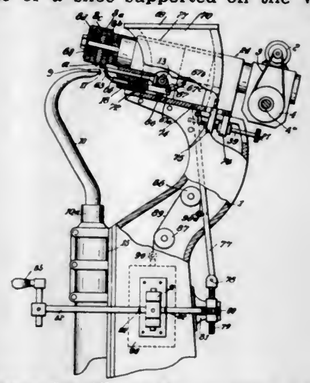
2,180,806
CANISTER CONTAINER
John Wilfred Gardner, Liverpool, England
Application August 6, 1938, Serial No. 223,534
In Great Britain January 12, 1938
5 Claims. (Cl. 221—19)



1. In a canister container, a lid having a recess, an outlet aperture in the lid recess, a pouring spout, a flange on the base of the pouring spout, said spout flange having its upper face flush with the upper surface of the lid and being movably mounted in the lid recess, a flat disc secured on the lid, an aperture in said disc through which the spout projects, the rim of said disc aperture projecting over the spout flange to retain the spout on the lid, and an outlet aperture in the pouring spout base registering with the outlet aperture in the lid recess when the spout is moved to an operative pouring position, and being out of register with the outlet aperture in the lid recess when the pouring spout is moved to an inoperative position.

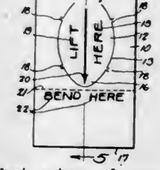
2,180,807
DEVICE FOR FINISHING THE SOLES OF SHOES
Christian Haber, Hechingen, and Ernst Haumann, Stetten, near Hechingen, Germany
Application October 8, 1937, Serial No. 168,058
In Germany October 14, 1936
10 Claims. (Cl. 12—17)

1. Apparatus for finishing the soles of shoes comprising in combination, a frame, a spring-supported work carrier, a machine head tiltably mounted on the frame, a roller rotatably mounted on the head so as to evolve immediately above the sole of a shoe supported on the work car-



rier, means for tilting the machine head relative to the machine frame, and means for guiding the machine head so that during the tilting thereof the machine head turns about an axis defined by a tangent of the roller.

2,180,808
CHANCE TICKET
Archie Jacobstein and Bessie Jacobstein, Louisville, Ky.
Application May 6, 1938, Serial No. 206,499
1 Claim. (Cl. 283—6)



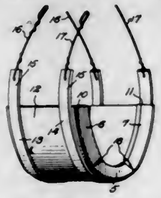
In a chance ticket, a two-ply construction comprising top and bottom walls, a tab formed in the top wall and having a hinged end and a pull end, tongues spaced from the pull end connecting the sides of the tab to the top wall for normally retaining the tab in the plane of the top wall whereby the pull end of the tab is moved outwardly of the plane of the top wall when said ticket is bent on a line transversely thereof adjacent and outwardly of said pull end to position the latter for gripping and breakage of the tongues for opening the tab on its hinged end to expose the adjacent upper portion of the bottom wall, said tab being of substantially oval formation with the hinge end in proximity of one end of the ticket and the pull end terminating in proximity of the transverse median line of the ticket to provide a finger gripping portion on the ticket opposite the hinged end of the tab.

2,180,809
BASIC CONDENSATION PRODUCTS AND A PROCESS FOR THEIR MANUFACTURE
Valentin Kartaschoff, Basel, Switzerland, assignor to the firm of Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application November 8, 1937, Serial No. 173,527. In Germany November 10, 1936
14 Claims. (Cl. 260—296)

1. A process for the manufacture of new basic

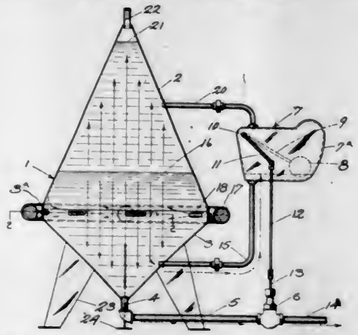
condensation products, comprising the steps of treating aliphatic hydxoxyalkylpolyamines, obtainable by interaction of α,γ-glycerinedichlorhydrine with an aliphatic hydroxyalkylamine with a halogenating agent selected from the group consisting of thionylchloride, hydrochloric acid and phosphorushalogenides and condensing the halogenalkylpolyamines thus obtained with a nitrogen containing compound selected from the class consisting of ammonia and aliphatic, cycloaliphatic, araliphatic, aromatic, hydroaromatic and heterocyclic primary, secondary and tertiary bases.

2,180,810
PIPE JOINT MOLD
Edward J. Keegan, Richmond, Va.
Application April 7, 1938, Serial No. 200,758
5 Claims. (Cl. 25—127)



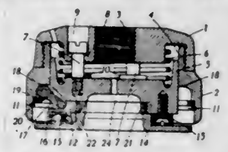
1. Joint mold useful in sealing a pipe joint of the bell and spigot type comprising a semi-rigid bell-encircling band, an annular spigot centering and supporting member comprising rigid articulated sections having substantially radial abutting faces said faces coated with a normally tacky coating, said sections being secured to one circumferential end of said band, the latter hinging said sections at said articulations so that the annular member can be spread with said band for slipping it beneath the pipe joint, flexible reinforcing hoops secured to said band at its circumferential ends extending beyond the ends of said molds to form lugs, and means attached to said lugs for drawing said band and said annular member into tight fitting engagement with the respective bell and spigot.

2,180,811
LIQUID SEPARATOR
Henry V. King, Shawnee, Okla.
Application May 5, 1938, Serial No. 206,288
2 Claims. (Cl. 210—54)



1. A separator for liquids of different specific gravities, comprising a receptacle having a waist portion of maximum diameter and tapering from said waist portion upwardly and downwardly to form oppositely disposed apices, an outlet in each of said apices, means for injecting mixed fluids into the receptacle at a plurality of points about said waist portion and tangentially to the wall of the receptacle whereby fluid in the receptacle will be caused to have a whirling motion, valve means controlling the passage of fluid from the lower apex, a float casing at an elevation above the waist portion, a pipe line connecting said casing with the receptacle below the waist portion whereby fluid contained in the lower portion of the receptacle will rise in said casing, a float in said casing, said casing having a top vent having communication with the interior of the receptacle above the waist thereof, and connecting means between said float and said valve whereby rise of fluid in the casing will effect the actuation of said valve for the discharge of fluid of heavier gravity from the receptacle.

2,180,812
CAPPING HEAD FOR BOTTLE CAPPING MACHINES
Anthony Joseph Marek, London, England
Application April 7, 1939, Serial No. 266,708
In Great Britain December 17, 1937
2 Claims. (Cl. 226—85)



1. A capping head for a machine for capping bottles by forcing a peripheral portion of the skirt of a metal cap under an annular lip on a bottle neck, comprising an outer casing having a cylindrical bore, a plunger axially movable in said bore, said plunger being provided with a plurality of radial grooves, a deformable ring coaxially mounted in said plunger and adapted to engage the skirt of the metal cap, a plurality of slide members movable in said grooves and engaging said ring, and a plurality of radially disposed toggle elements, each toggle element pivotally engaging the inner surface of said outer casing at its outer end and one of said slide members at its inner end, so as to cause said slide members to move inwardly when the plunger moves in one direction and to allow them to move outwardly when the plunger moves in the opposite direction, each toggle element also extending into one of the grooves of the plunger and being laterally guided thereby during the toggle action.

2,180,813
WELDING ELECTRODE
John T. Marvin, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 3, 1938, Serial No. 188,427
13 Claims. (Cl. 219—8)

1. The method of making a flux carrying welding electrode, including the steps of; molding finely divided metal powder into the desired shape, sintering the molded powder to cause the same to fuse together and form a strong highly porous electrode of homogeneous character, and then impregnating the porous metal electrode with suitable non-metallic fluxing ingredients which solidify and are thereby held within the pores of the completed electrode.

6. A new article of manufacture comprising,

a flux-carrying welding electrode including a sintered porous metal base, said electrode having

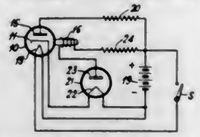


the pores thereof substantially completely filled with non-metallic fluxing ingredients.

2,180,814
MANUFACTURE OF ANTHRACENE
William J. Mattox and Aristid V. Grosse, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 31, 1938, Serial No. 211,016
7 Claims. (Cl. 260—670)

1. A process for the manufacture of anthracene which comprises subjecting toluene at a temperature of about 500–700° C. to contact with catalytic material comprising essentially a major portion of activated alumina and a minor portion of an oxide of chromium.

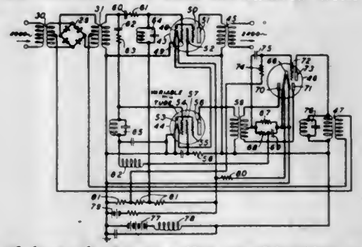
2,180,815
GAS DISCHARGE TUBE AND CIRCUIT
Wilber L. Meier, North Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 8, 1937, Serial No. 141,411
6 Claims. (Cl. 250—27)



1. An electron discharge device including an envelope containing a gaseous atmosphere ionizable at a low voltage to provide a gaseous discharge, and enclosing a cathode and an anode, a load circuit including a source of low voltage connected between said anode and cathode to produce a gaseous discharge between said cathode and anode, means for producing a magnetic field transverse to said gaseous discharge of sufficient strength to extinguish said discharge, and means including a second electron discharge device having its cathode in said load circuit for energizing the magnetic field producing means.

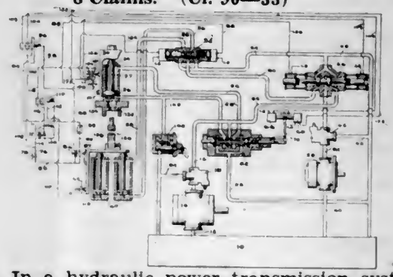
2,180,816
FREQUENCY CONVERSION CIRCUIT
Ralph L. Miller, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application July 31, 1937, Serial No. 156,698. Divided and this application April 30, 1938, Serial No. 205,223
9 Claims. (Cl. 250—36)

1. A frequency converter comprising a balanced modulator having one input supplied with a wave of a base frequency to be converted to a wave of another frequency, and a second input in conjugate relation with said one input, a regenerative circuit for feeding back waves derived from the output of said modulator to said second input thereof to modulate in said modulator with said wave of base frequency, said regenerative circuit including an amplifier supplying the necessary gain, a frequency multiplier and selective networks, for determining the frequency and amplitude of the fed-back waves so that when they are combined in said modulator with said



wave of base frequency the combination waves will include a sustained component of the desired converted frequency, means for selecting a sustained wave of said converted frequency from the output of said modulator and means to start and maintain said converter in operation comprising auxiliary means operative to so increase the energy supply to said second input during an initial time interval after the wave of said base frequency is supplied to said one input as to establish the regenerative action in said frequency converter and to prevent the energy supply to said second input from exceeding the proper operating value thereafter.

2,180,817
POWER TRANSMISSION
Hugh C. Nye, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application February 23, 1938, Serial No. 192,029
8 Claims. (Cl. 90—33)



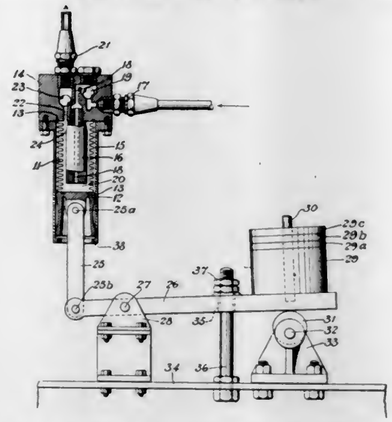
1. In a hydraulic power transmission system the combination of a main fluid motor and an auxiliary fluid motor, said motors being movable through forward and reverse strokes in the same directions, pump means forming a source of fluid under pressure for operating said motors, means for controlling the supply of fluid to said motors, means forming a separable mechanical connection between said motors, and a control circuit for operating the control means to cause said motors to move through a cycle of non-simultaneous but concurrent forward and reverse strokes, the main motor operating the auxiliary motor by said mechanical connection during the concurrent portion of said strokes.

2,180,818

APPARATUS FOR MAINTAINING CONSTANT HYDROSTATIC PRESSURE UPON A LIQUID

Charles M. Fields and Reuben T. Fields, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 3, 1938, Serial No. 188,466
2 Claims. (Cl. 103—148)



1. An apparatus comprising the combination of a vertically disposed bellows member, a piston member forming a liquid-tight enclosure at the lower end of said bellows member, a stationary block forming a liquid-tight closure at the upper end of said bellows member, a plug carried by said block and occupying a substantial part of the space within said bellows member but having length and width, respectively, less than the minimum length and width of said bellows member, an intake port extending from the lower end of said plug through said plug and through said block, a check valve in said intake port permitting flow of liquid only into said bellows member, a discharge port extending through said block from a point within said bellows member and outside of said plug, a check valve in said discharge port permitting flow of liquid only out of said bellows member, means for guiding and restricting said piston member to vertical movement only and automatic means connected with said piston member for actuating said bellows member only when the pressure against which liquid is to be delivered, is below a predetermined point.

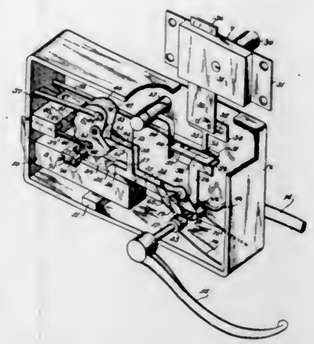
2,180,819

LOCKING MECHANISM FOR AUTOMOBILE DOORS

Alexander C. Findlay, Chicago, Ill.

Application August 13, 1934, Serial No. 739,549
20 Claims. (Cl. 70—264)

11. A system for locking a plurality of vehicle doors by a central control comprising, in combination, a bolt for each door for engaging an adjacent keeper to keep the door in closed position, handles on each door for withdrawing the bolt and opening the door, an operating connection between each handle and its bolt, means on one of said doors for disabling the operating connection thereof by freeing the handles on said door from their bolt to prevent withdrawal of the bolt and the opening of said door from either side, and means for transmitting the movement of said disabling means to the other doors to free the handles thereon and to prevent withdrawal



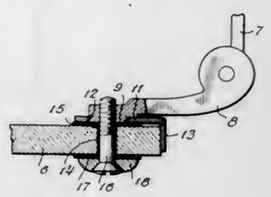
of their bolts and the opening of these other doors.

2,180,820

OPHTHALMIC MOUNTING

Joseph Gaspari, Harrison, N. Y., assignor to J. Gaspari & Co., Inc., New York, N. Y., a corporation of New York

Application May 17, 1938, Serial No. 208,335
1 Claim. (Cl. 88—47)



In an ophthalmic mounting, the combination of a lens, a mounting plate having a flat portion extending along only the rear surface of the lens and provided therein with an opening, said plate further having a forwardly projecting lateral flange engaging the rim of said lens with the entire forward endge of said flange terminating short of the front surface of said lens, a supporting element having a projection of a thickness equal to that of said plate and extending into the opening in the latter, said projection and opening being of a formation to prevent relative turning movements between said plate and supporting element, and a fastener extending through said lens and engaging in said projection for securing the lens to said supporting element.

2,180,821

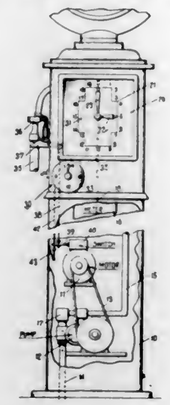
FLUID DISPENSING APPARATUS

Henry Ginnel, Scarsdale, N. Y.

Application September 19, 1936, Serial No. 101,598
5 Claims. (Cl. 221—101)

1. Stop mechanism for dispensing apparatus, comprising in combination, a rotating trip element and a contact element engageable with the rotating element, said rotating element including a plurality of axially and circumferentially spaced actuating elements, said contact element being

adjustable in an axial direction to engage various selected actuating elements to stop the delivery



when various predetermined amounts have been dispensed.

2,180,822

FISHING BAIT

William H. Gruenhagen, St. Paul, Minn.

Application April 11, 1936, Serial No. 73,961
6 Claims. (Cl. 43—42)



1. A fishing bait comprising a spoon having a conical portion at its upper end and a blade depending downwardly and outwardly from one side thereof, said portion having a central opening at its upper end, a shank disposed in said opening, said conical portion having an arm cut therefrom and bent downwardly and inwardly, said arm being apertured to receive said shank and being spaced from said first mentioned opening and means on said shank for supporting said arm and spoon.

2,180,823

HOLE SIZING TOOL

George Harrison, Toledo, Ohio, assignor to Doehler Die-Casting Co., Toledo, Ohio, a corporation of New York

Application May 28, 1938, Serial No. 210,637
14 Claims. (Cl. 29—90)

1. A tool for exactly sizing and burnishing a hole of nearly finished size, said tool comprising a shank, a bearing stud at the end of said shank, and a cutter disk rotatable on said stud, said disk having the full diameter of the hole, and said stud being disposed at a small angle relative to the



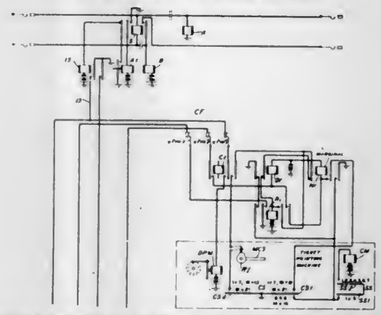
axis of the shank in order to cause the disk to wobble.

2,180,824

AUTOMATIC CALL TICKETING SYSTEM

William Hatton, Leslie Baines Haigh, and Ladislas Kozma, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 24, 1938, Serial No. 192,224
In Belgium March 10, 1937
12 Claims. (Cl. 179—7.1)



1. In a telephone exchange system divided into zones, subscribers' switching means including truck circuits for establishing connections between said lines, a tariff determining equipment common to said trunk circuits, and means responsive to the seizure of a trunk circuit for associating said equipment therewith, said equipment comprising means for registering the zones in which both the calling and the called lines are located, and means controllable jointly by said registering means for determining the monetary value of the tariff rate to be applied for said connection.

2,180,825

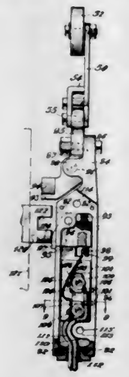
ELEVATOR SAFETY DEVICE

Bjarne Henricksen, North Bergen, N. J., assignor to Sedgwick Machine Works, Incorporated, Poughkeepsie, N. Y., a corporation of New York

Application December 30, 1936, Serial No. 118,192
8 Claims. (Cl. 187—48)

1. The combination, with a power driven car in a vertical shaft and with door-closed landings in said shaft, of vertically sliding doors for said landings, a housing adapted to be fastened to a door jamb, spaced spring contacts within said housing, a contact actuator pivoted in said hous-

ing and having a part extending therefrom, a crank pivotally secured exteriorly to said housing, and a keeper plate secured to a door fixed im-



movable relative thereto and movable with the door into position to engage said contact actuator and to underlie a portion of said crank.

2,180,826
ELECTRIC CONTACT
Franz R. Hensel and Earl F. Swazy, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application May 20, 1939, Serial No. 274,702
3 Claims. (Cl. 200—166)

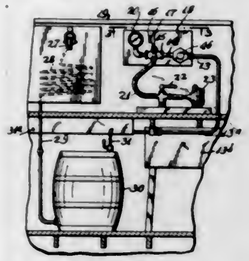
1. An electric contact formed of a composition of .05 to 5% silicon, 10 to 75% refractory material selected from the group consisting of tungsten, molybdenum and their carbides, and the balance substantially all silver, said refractory material being in a finely divided state intermixed and bonded with an alloy comprising said silver and silicon, said composition being substantially free of copper.

2,180,827
ELECTRIC CONTACTING ELEMENT
Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application June 2, 1939, Serial No. 277,076
5 Claims. (Cl. 200—166)

1. An electric contact formed of an alloy composed of .05 to 15% magnesium, .5 to 25% zinc, and the balance substantially all silver.

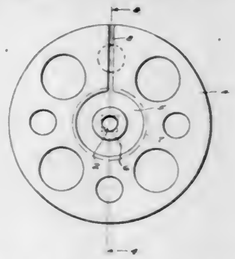
2,180,828
BEER RETURN DEVICE
Charles Horansky and Frank J. Suchanek, New York, N. Y.
Application August 19, 1938, Serial No. 225,738
3 Claims. (Cl. 137—153)

1. A beer return device, comprising a body having an air inlet at one side for connection with a source of compressed air, and an air outlet at another side for connection with a beer faucet, a valve seat for said air inlet positioned to the front of said air outlet, a spring loaded valve on said valve seat, a diaphragm mounted within said body, pins slidably mounted in said body and bearing against said valve to open said valve when moved and said pins also bearing against said diaphragm, said body being formed with a passage extending from said air outlet to the pin



side of said diaphragm, an adjustable spring loading mechanism for the other side of said diaphragm, and a quick release mechanism for said diaphragm spring load mechanism controlled by a bleed from said air outlet.

2,180,829
MOTION PICTURE FILM REEL
Axel Kolmodin, Lockport Township, Will County, Ill.
Application April 22, 1939, Serial No. 269,484
1 Claim. (Cl. 242—70)

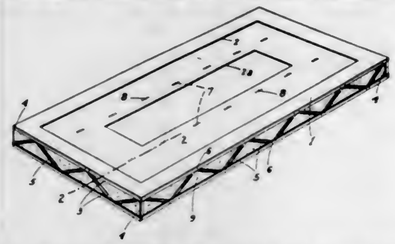


A reel of the character described comprising a hub having a bore extending centrally therethrough for the reception of a shaft and further having an annular channel extending thereinto from one side thereof providing concentric inner and outer portions having a substantial space therebetween, and flanges on the hub, one of said flanges and the outer portion of the hub having a slot therein for laterally receiving an end portion of a strip of film, the annular channel receiving said end portion of the film in a manner to facilitate wrapping same around the inner portion of the hub.

2,180,830
STEEL BUILDING PANEL
Robert Gilmore Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application January 7, 1938, Serial No. 183,819
2 Claims. (Cl. 189—34)

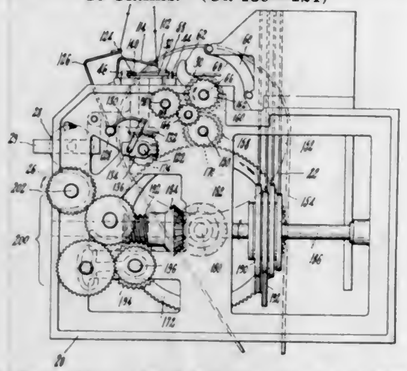
1. A metal building panel including, in combination, a pair of plates disposed in facing but spaced relation, flanges about the panels projecting toward but terminating short of each other, said flanges being disposed at the extreme edges of the panels whereby adjacent panels may be abutted with corresponding flanges in face to face contact, and connecting straps fixed adjacent

their ends on and extending between corresponding flanges; the exterior surface of said straps



being disposed within the plane of the exterior surface of said flanges.

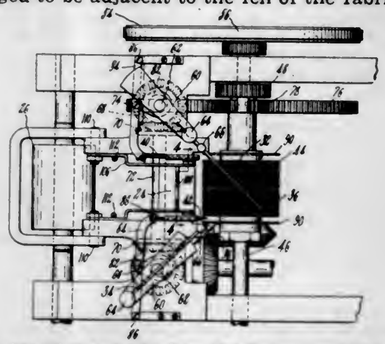
2,180,831
SHUTTLELESS LOOM
Carl F. Libby, Stoughton, Mass.
Application February 26, 1937, Serial No. 127,884
10 Claims. (Cl. 139—124)



1. In a loom, shed-forming means, a filling finger on each side of said shed, each said finger having a guide eye for filling yarn in the free end thereof, and means for swinging each said finger about a pivot so that said end enters the wide end of the shed, is projected through to the opposite side of the shed, is retracted along a path adjacent to the fell of the fabric, and is advanced along the side of the shed to a point adjacent to the wide end thereof, said advancing movement of each finger along the side of the shed taking place during the movement of the end of the other finger into and out of the shed.

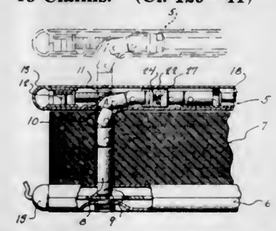
2,180,832
LOOM
Carl F. Libby, Stoughton, Mass.
Application December 16, 1937, Serial No. 180,185
8 Claims. (Cl. 139—124)

1. In a loom having shed-forming means, a pair of fingers on opposite sides of the shed for alternately projecting loops of weft yarn through the shed, a knitting needle reciprocable on each side of the shed for catching the loops from the opposite finger, a horizontal rotatable shaft, a pair of plates mounted on said shaft at opposite sides of said shed, each of said plates having portions projecting in opposite directions from the axis of the shaft, one said portion of each plate being arranged and shaped to cooperate with the knitting needle on the same side of the shed to hold the latch of the needle open when it is in position to catch a loop from a finger, the other portion of each plate having a looper element arranged to be adjacent to the fell of the fabric at



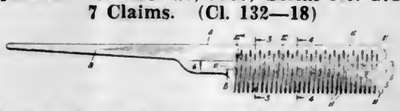
one side of the shed when the finger on the same side is projecting a loop of weft yarn through the shed, and means for driving said fingers, knitting needles and shaft in timed relation.

2,180,833
LOOSE LEAF BINDER
Adolph G. Lotter, Milwaukee, Wis., assignor to Stationers Loose Leaf Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 15, 1938, Serial No. 225,035
15 Claims. (Cl. 129—41)



12. In a loose leaf binder of the character described: a hollow binder head having a hole in one wall; a flexible binder post having an end portion confined within the binder head and extensibly projected through said hole; unidirectional clamping means in the binder head for releasably gripping the end portion of the binder post at any point along its length, said clamping means being operable to prevent motion of the binder post out of the binder head while permitting motion of the binder post into the binder head; and means carried by the binder head for moving said clamping means while in an operative clamping position to draw the post into the binder head.

2,180,834
COMB
François René Marcel, Brooklyn, N. Y.
Application October 27, 1937, Serial No. 171,222
7 Claims. (Cl. 132—18)

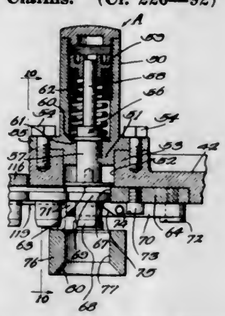


1. In a device for treating hair the combination of a pair of beveled, sharpened edges converging to form a V-shaped groove of a minimum width less than that of a human hair.

2,180,835
BROMINATION OF BENZANTHRONE
Melvin Alfred Perkins, Wilmington, Del., and Joseph Deinet, Glassboro, N. J.; assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 21, 1938, Serial No. 214,966
4 Claims. (Cl. 260—364)

1. The process for preparing bromobenzanthrones which comprises reacting benzanthrone in an inert organic solvent with sufficient bromine to give the desired degree of bromination, the bromination being carried out in the presence of an amount of sulfuryl chloride molecularly equivalent to the bromine employed.

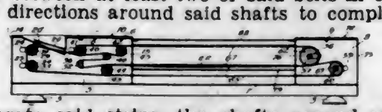
2,180,836
CLOSURE APPLYING MACHINE
Arthur I. Risser, Chicago, Ill., assignor to U. S. Bottlers Machinery Company, Chicago, Ill., a corporation of Illinois
Application December 19, 1938, Serial No. 246,561
3 Claims. (Cl. 226—92)



1. In a machine of the class described, a corking device having means for applying to a bottle a cork having a flanged top-end adapted to engage over the mouth-end of the bottle, including a cork applying head provided with means to position the cork in cooperative relation with the applying means and including means operated by the bottle after initial application of the cork therein for releasing the cork from the positioning means, wherein the positioning means includes a member detachably connected with the head and having a notch in an edge thereof adapted to receive and position the flanged end of the cork, and wherein the last means includes a pair of horizontal fingers arranged under the positioning member to engage under the flange of the cork at opposite sides thereof, said fingers being pivoted to the member for horizontal movement out from under the flange, and said fingers having cam formations respectively formed for camming engagement with the bottle after insertion of the cork therein to cause said movement of the fingers.

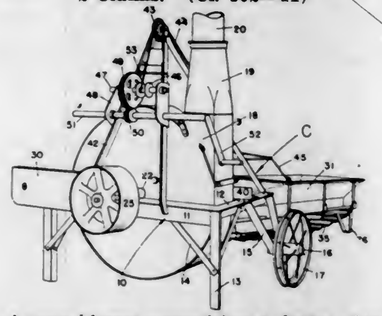
2,180,837
STRIP SEPARATING DEVICE
Walter J. Rudolph, Chicago, Ill., assignor, by mesne assignments, to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application March 16, 1938, Serial No. 196,159
6 Claims. (Cl. 164—84.5)

1. A device of the class described which comprises in combination, a frame, a plurality of shafts positioned in said frame, a plurality of endless belts traveling in parallel relationship around said shafts for carrying a sheet of partially severed index strips, said sheet being carried between at least two of said belts in opposite directions around said shafts to completely



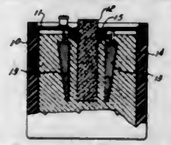
separate said strips, the shafts around which said sheet is carried being of sufficiently small diameter to cause said sheet to bend acutely during travel around said shafts.

2,180,838
CROP BLOWER
Erwin W. Salberlich, Appleton, Wis., assignor to Fox River Tractor Company, Appleton, Wis.
Application November 29, 1937, Serial No. 177,063
2 Claims. (Cl. 302—11)



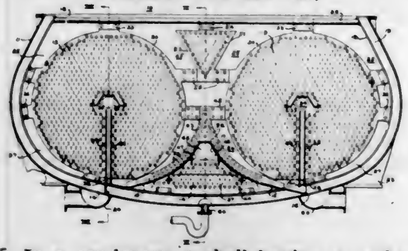
1. A crop blower comprising a frame, depending front legs secured to the frame, rearwardly extending wheel brackets on the rear end of the frame, ground wheels rotatably carried by the brackets, a blower casing rigidly secured to the frame and extending transversely thereof and to the line of travel of the crop blower, a longitudinally extending conveyor hingedly connected to the frame in rear of the blower, said conveyor extending parallel with the line of travel of the crop blower, the frame being rockable on the wheels, and means for raising and lowering the conveyor on the frame and holding the same in a desired position, whereby the frame and conveyor can be swung as a unit on the wheels to lift the legs above the wheels and ground.

2,180,839
PRIMARY CELL
Erwin A. Schumacher, Lakewood, and George W. Heise, Rocky River, Ohio, assignors to National Carbon Company, a corporation of Ohio
Application June 17, 1937, Serial No. 148,630
7 Claims. (Cl. 136—136)



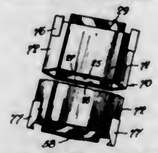
1. A primary galvanic cell comprising an anode of metal soluble in alkaline electrolyte; a porous carbon cathode capable of transferring oxygen from the air to the cathodic polarizing region; an alkaline electrolyte in contact with the anode and cathode; electrolyte-immobilizing material in admixture with the electrolyte; and solid electrolyte-regenerating material dispersed in said electrolyte.

2,180,840
CONDENSER APPARATUS
Charles B. Tuley, Glenolden, and David W. R. Morgan, Swarthmore, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1937, Serial No. 176,898
9 Claims. (Cl. 257—43)



5. In a condenser, a shell having an exhaust steam inlet and condensate outlet means, condensing surface therein comprising a pair of tube nests of the radial flow type arranged parallel in a horizontal plane and spaced apart whereby a vapor path is formed therebetween, an air cooler adjacent the bottom of the shell between the tube nests, additional condensing surfaces within said shell, one of said surfaces comprising one or more rows of tubes at each side of and above said air cooler between the latter and the radial-flow tube nests and another of said surfaces comprising a tube nest of generally triangular cross-section adjacent the top of the shell with its apex extending downwardly between said pair of radial-flow tube nests, said triangular tube nest serving to guide vapors into the vapor path between the radial-flow tube nests, an offtake for the air cooler, and means for conducting air and non-condensable gases from said condensing surface to the cooler.

2,180,841
COLLAPSIBLE CONTAINER
Clarence W. Vogt, Norwalk, Conn., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Original application April 15, 1936, Serial No. 74,424. Divided and this application March 15, 1938, Serial No. 195,954
10 Claims. (Cl. 229—14)

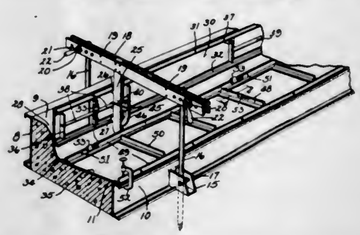


1. A container including a flexible bag having a pair of lips adapted to form an opening communicating with the interior of said bag, said lips having a readily breakable seal, whereby said lips may be used as a pouring spout, and an outer supporting frame structure for said bag, permanently secured thereto, said frame structure being open at its upper end.

2. A package including a bag of flexible material containing dispensable materials, an outer readily collapsible supporting frame structure for said bag, permanently secured thereto, and easily breakable means for holding said bag in expanded condition for shipment and storage.

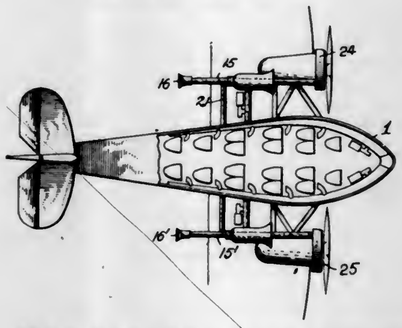
6. A container comprising a flat folded supporting shell and an inner liner each having six parallel fold lines, two of which are medial lines on opposite two panels and being folded on the medial lines, the folds on the medial lines of the shell being outwardly, and the folds on the medial lines of the liner being inwardly, and the liner being secured to the shell whereby when the shell is erected it results in a rectangular shaped container and opens up the liner.

2,180,842
FORM FOR CONCRETE CURB AND GUTTER WORK
Walter G. Winding, Milwaukee, Wis.
Application October 25, 1937, Serial No. 170,863
10 Claims. (Cl. 25—118)



1. In a device of the character described, the combination with a pair of spaced anchorage stakes, of side forms positioned within the respective stakes, a bridge member removably connecting said stakes above said side forms, and a top form extending from one of said side forms across at least a part of the space intervening between said side forms, and means suspending a portion of the top form from said bridge member.

2,180,843
NOISE REDUCING MEANS FOR CABIN AIRCRAFT
Stephen J. Zand, Forest Hills, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Original application March 29, 1933, Serial No. 663,302, now Patent No. 2,122,447, dated July 5, 1938. Divided and this application October 27, 1937, Serial No. 171,275
4 Claims. (Cl. 181—36)



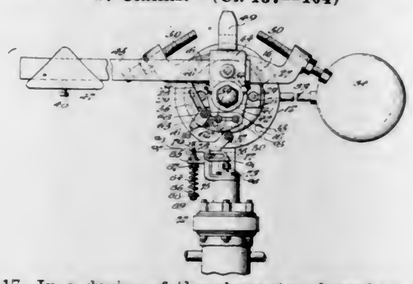
1. As a means for reducing noise in multi-motor aircraft, the combination with a plurality of engines and exhaust passages therefor, of a cross pipe connecting said passages to harmonize and attenuate the predominant sound emissions from each.

2,180,844

LIQUID LEVEL CONTROL DEVICE

Edward T. Dahl, Abington, Mass., assignor to Eldon Macleod, Cameron Macleod, Leslie Soule, Sullivan A. Sargent, Jr., Herbert A. Stebbins, and Frank A. Morrison, trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass.

Application October 2, 1936, Serial No. 103,709
17 Claims. (Cl. 137—104)



17. In a device of the character described, the combination with a rotatable float operated cam shaft, of a cam, a fixed pivot for said cam positioned in parallelism with the axis of said cam shaft, means for maintaining said cam in any one of a multiplicity of radial positions about said pivot and means for independently maintaining said cam in any one of a multiplicity of centric relationships with respect to said pivot.

2,180,845

ELECTRICAL MAKE AND BREAK CONTACT

Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application January 5, 1939, Serial No. 249,426
4 Claims. (Cl. 200—166)

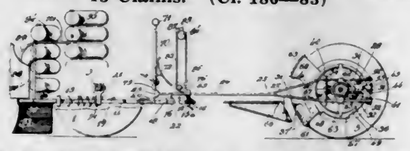
1. An electrical contacting member, formed of an alloy composed predominantly of silver, to which has been added metallic thallium, in quantities ranging from .05 to 15%.

2,180,846

AUTOMATIC AND MANUALLY OPERABLE STOPPING AND ASSISTING DEVICE FOR AUTOMOBILES

Heinrich Karl, Jersey City, N. J.

Application February 15, 1937, Serial No. 125,793
15 Claims. (Cl. 180—83)



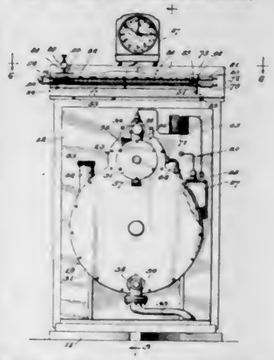
1. In an automatic and manually operable stopping and assisting mechanism for automobiles, brake shoes of the kind that are carried from the operative to their inoperative position through the revolving wheel with which they are associated, a non-revolvable hub secured to a rigid part of the automobile in proximity to said wheel and having parts serving as guides, a revolvable hub portion for each brake shoe mounted on said non-revolvable hub and movable within the limits set by said guides, said shoe securely united with its revolvable hub portion and held together with it in an eccentric position relative to the wheel axle through the pressure of a spring exerted indirectly upon the revolvable hub portion when the brake shoe is in non-operative position and when it is being carried to that position by the revolving wheel, means for automatically actuating the brake shoes at the occurrence of collisions, and manually operable devices for bringing the brake shoes to and out of operative position.

2,180,847

TESTING DEVICE

Carl H. Nordell, Chicago, Ill., assignor to Advance Engineering Company, Chicago, Ill., a corporation of Illinois

Application September 23, 1935, Serial No. 41,750
11 Claims. (Cl. 23—253)



1. A testing device comprising a closed chamber, a mechanical agitator in the upper part of the chamber adapted to intermix liquid and gas therein, power means exterior to said chamber for actuating said agitator, said chamber being provided with an enlarged opening for the introduction of liquid into the chamber, a closure for said opening, a straight, relatively long and substantially uniform capillary tube communicating with the upper end of said chamber and with the atmosphere, and a liquid piston wholly within the capillary tube for indicating slight volume changes within the chamber.

2,180,848

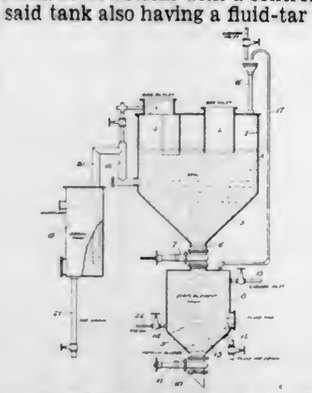
MEANS FOR SEPARATING FLUID-TAR AND SLUDGE FROM HOT NEWLY MADE WATER GAS

Charles H. Printz, Cleveland, Ohio, assignor to The Gas Machinery Company, Cleveland, Ohio, a corporation of Ohio

Application April 24, 1937, Serial No. 138,865
2 Claims. (Cl. 261—7)

1. Means for separating fluid-tar and sludge from hot newly-made water gas comprising a seal provided with a liquor inlet, said seal having in its upper part a gas inlet and a gas outlet, and forming a gas-bubbling chamber when the seal is filled with liquor to a level above the gas inlet, the seal having a hopper-shaped bottom provided with a bottom discharge opening and forming a fluid-tar and sludge settling compartment, means for maintaining a liquor level in said seal above the gas inlet and below the gas outlet, a fluid-tar and sludge displacement tank below the seal, means forming a constricted passage-way between the discharge opening at the bottom of the hopper-shaped portion of said seal

and said tank, means for controlling said passage-way, the tank having a hopper-shaped bottom formed at its bottom with a controlled sludge drain, said tank also having a fluid-tar side drain



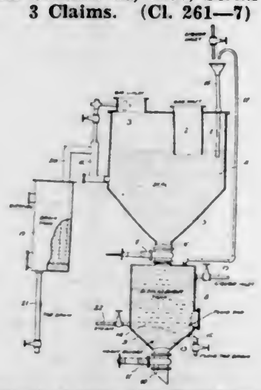
substantially higher than its sludge drain, controlled means for admitting liquor to the tank other than through said constricted passage-way, and means forming a fluid conduit between the top of the tank and the liquor inlet of the seal.

2,180,849

METHOD OF REMOVING LIQUID TAR AND SLUDGE FROM WATER GAS WITH THE NONFORMATION OF TAR EMULSION

Charles H. Printz, Cleveland, Ohio, assignor to The Gas Machinery Company, Cleveland, Ohio, a corporation of Ohio

Application October 23, 1937, Serial No. 170,618
3 Claims. (Cl. 261—7)



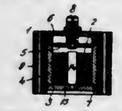
1. A method of removing liquid tar and sludge from water gas, as segregated products, with the non-formation of tar emulsions, consisting in providing a body of wash water in two relatively vertical communicating portions; continuously passing the made-gas from the gas set into the upper part of the upper portion of wash water, with an agitation of said upper part of said upper portion of wash water due to the bubbling gas and with a separation of the liquid tar and sludge from the gas by contact of the latter with the wash water, the remainder of said upper portion of the body of wash water being unagitated to any material extent and the lower portion of the body of wash water being entirely quiescent, the separated liquid tar and sludge settling immediately through the unagitated part of the upper portion of the body of wash water and into the lower quiescent portion and finding their respective levels in said quiescent lower portion; closing communication between said two portions of the body of wash water; removing the settled and segregated liquid tar and sludge from the quiescent area; replenishing with wash water said quiescent area after the removal of the liquid tar and sludge; reestablishing communication between said two portions of wash water, thus periodically effecting the removal of the segregated liquid tar and sludge without interrupting the passing of the made-gas into the wash water; and maintaining the level of the latter.

2,180,850

SELF-INDUCTANCE DEVICE

Ernst Reiser, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application March 31, 1938, Serial No. 199,145
In Germany April 3, 1937
7 Claims. (Cl. 171—119)



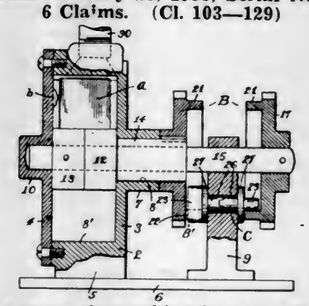
6. A high frequency adjustable inductance device which comprises a winding, a plate-like base element of compressed magnetic dust disposed transversely at one end of said winding and extending beyond the circumference of said winding, a separate tubular sheath of compressed magnetic dust substantially coaxially surrounding said winding and extending to said base element at one end and beyond the end of said winding at its other end, a two-part casing element of insulating material around said sheath including a body member and a cover member threaded thereto, said combined element being shaped to clampingly engage both said base element and said sheath to hold them in fixed relation to each other and to said casing element, a core of compressed magnetic dust supported inside said winding, and a disc-like adjusting member disposed at the end of the core remote from said base element and supported solely from said casing element adjustably for movement within said sheath.

2,180,851

DRIVING MEANS FOR ROTARY PUMPS AND ENGINES

Frederick Rosner, Brooklyn, N. Y.

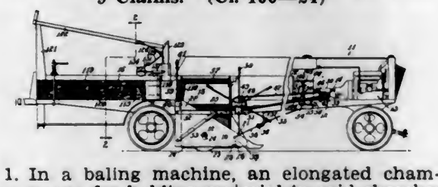
Application January 28, 1938, Serial No. 187,419
6 Claims. (Cl. 103—129)



1. In a pump, in combination, a casing having an inlet and an outlet, segmental shaped radial blades closely fitting within the casing and arranged for relative alternate rotary pumping action, opposed blade operating disks presenting apertured flanges, means for operatively con-

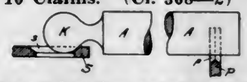
necting the disks to the blades, means for actuating said disks, arresting means for preventing movement of one of the disks while the other is operating, including a rotatable interlock piece between said disks having co-axial extensions at the opposite ends thereof disposed at right angles to each other and arranged to alternately engage the apertures in the flanges of said disks.

2,180,852
COMBINED HARVESTER AND BALER
Stanley Russell, Vincennes, Ind.
Application January 23, 1935, Serial No. 2,984
9 Claims. (Cl. 100—24)



1. In a baling machine, an elongated chamber, means for holding material in said chamber against movement therethrough in one direction, a plunger reciprocable in said chamber and movable a material distance from a point adjacent said holding means in said one direction, an aperture in the top wall of said chamber adjacent said holding means but spaced therefrom in the direction of movement of said plunger, a vertical spacer-board chute communicating with said aperture, an inclined spacer-board chute leading from a point adjacent the outlet end of said chamber to said vertical chute adjacent the upper end of said vertical chute, means for transferring boards from said inclined chute to said vertical chute, and means operable, at times, to prevent a board in said vertical chute from dropping through said aperture and, at other times, to permit a board to drop through said aperture.

2,180,853
SHAFT ARRANGEMENT
Wilhelm Scheppmann, Berlin-Neutempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany
Application October 10, 1936, Serial No. 104,977
In Germany October 11, 1935
10 Claims. (Cl. 308—2)



1. A shaft and bearing arrangement comprising a bearing member to receive one end of the shaft to restrain movement of the shaft longitudinally in the direction of its axis while allowing it to rotate freely around said axis, said bearing member and said shaft end being arranged to provide a three-point support for the shaft, the opposite end of said shaft being cylindrical and provided with a V-shaped bearing whereby said cylindrical end is supported at only two points around its periphery.

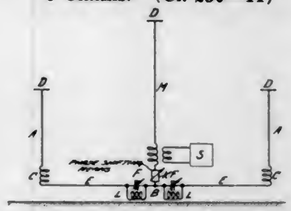
2,180,854
HEATER APPARATUS
Lawrence C. Soule, Essex Fells, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application March 8, 1932, Serial No. 597,519
1 Claim. (Cl. 257—136)

In a heat exchanger a casing, headers mounted at opposite ends of said casing, a plurality of bent heat radiating tubes having reduced end portions joining said headers, said tubes being bent at two points relatively close together and at predetermined distances from one end of the



tubes, said tubes being mounted on said headers so that the headers are at different elevations when the casing is in horizontal position, and plates on said casing for covering the headers and the reduced end portions of the tubes.

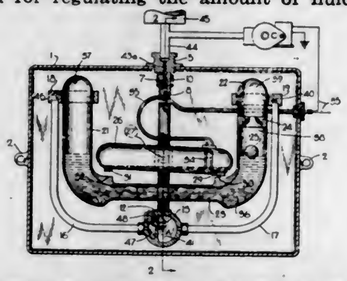
2,180,855
ANTENNA SYSTEM
Rolf M. Wundt, Eberswalde, and Otto Cordsmeier, Berlin-Charlottenburg, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, Lorenzweg, a company
Application February 5, 1937, Serial No. 124,180
In Germany February 6, 1936
6 Claims. (Cl. 250—11)



1. An antenna arrangement comprising an upright central radiator, upright outer radiators disposed around this central radiator and spaced therefrom by a distance which is between $\lambda/4$ and $\lambda/2$ where λ is the operating wavelength, the height of these outer radiators not exceeding $\lambda/4$, a high frequency generator connected to the central radiator, and unifilar conductors connecting the lower end of each outer radiator with the lower end of the central radiator and arranged parallel to the earth's surface.

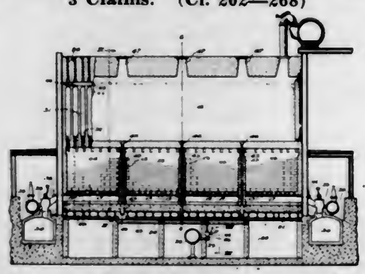
2,180,856
PRESSURE GOVERNOR
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 6, 1937, Serial No. 129,524
11 Claims. (Cl. 200—81)

1. A pressure governor comprising a pair of spaced flexible elements supported at their upper ends, a hollow U tube disposed between said elements, a member secured to the lower ends of said elements and supporting said U tube whereby said member and U tube are rockable upon flexing of said elements, a quantity of liquid in said U tube subject to bottled fluid pressure in a control chamber formed above said fluid in one end of said U tube for urging said liquid toward the other end of said tube for thereby shifting the center of gravity of said liquid to effect rocking of said U tube in one direction, said liquid being subject to the pressure of fluid in another chamber formed in the other end of said U tube and being movable thereby upon an increase in the degree thereof toward said control chamber for thereby shifting the center of gravity of said liquid to effect rocking of said U tube in the opposite direction, means independent of said liquid for regulating the amount of fluid pres-



sure acting in said control chamber, and means controlled by the rocking of said U tube for controlling the pressure of fluid in said other chamber.

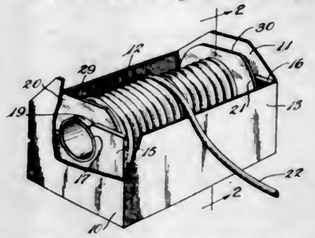
2,180,857
COKE OVEN STRUCTURE
Joseph Becker, Pittsburgh, Pa., assignor to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application May 7, 1937, Serial No. 141,203
3 Claims. (Cl. 202—268)



1. A regenerative coking retort oven of the type described, having underneath the plane of the bottoms of the oven chambers and heating walls elongated crosswise regenerative spaces divided into a plurality of countercurrent flow regenerator compartments by a cross-wall extending transversely beneath the carbonization chamber bottoms through said regenerative spaces, in which there is provided an expansion joint for said cross-wall adapted to accommodate its expansion during temperature rise, said expansion joint having therewithin an open sealing canal adapted to receive a sealing medium, said canal extending substantially the entire height of the cross-wall, and a pluggable duct adapted to communicably connect with said sealing canal, one of the upper and lower ends of said duct and canal being located so as to be accessible from outside the oven through one of the upper and lower extremities of the oven so that desired sealing medium can be introduced externally of said oven into said sealing canal, to cause sealing off of said expansion joint.

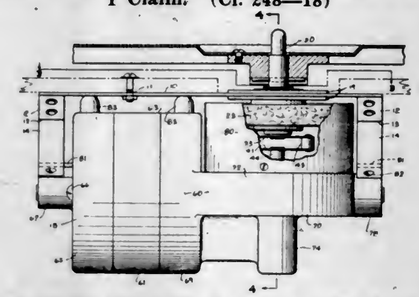
2,180,858
CONTAINER
James R. Bedell, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 2, 1938, Serial No. 222,639
4 Claims. (Cl. 206—59)

1. A container for storing and dispensing flexible strip material, said container comprising a box-like member open at the top, a pair of chuck blocks located in the ends of the box-like member and formed with arcuate axle-bearing notches in alignment with each other, said notches being of more than 180° extent arcuately and opening at an angle acute to the vertical, a reel rotatable in said member and comprising a hollow axle of pliable material and a pair of heads mounted



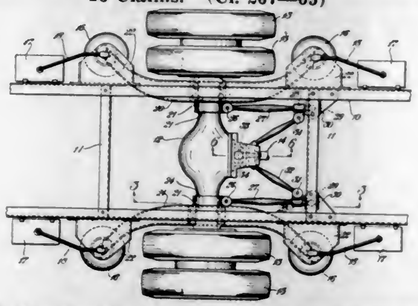
thereon, said axle being removable from said notches by being temporarily flattened somewhat, said reel heads being flattened at one portion of their margins to permit removal angularly of the vertical by providing extra clearance between the reel and the side of said member, and a lid adapted to engage the first named member over said reel and by engagement with the flattened portion of the reel-heads to prevent turning of the reel when the lid is in place.

2,180,859
VIBRATION RETARDING MEANS FOR ELECTRICALLY ACTUATED APPARATUS
Alwin Carl Borchers, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application December 8, 1937, Serial No. 178,774
1 Claim. (Cl. 248—18)



In combination with the horizontally disposed supporting plate for a phonograph record supporting turntable, a motor for driving said turntable disposed below and entirely supported by said plate in spaced relation thereto, sound insulating cushioning means disposed between and engaging said plate and motor, and a plurality of thin leaf springs pendantly supporting said motor from widely spaced portions of the plate, at least two said springs extending relatively divergingly from the motor frame in directions substantially radial of the motor shaft, said springs holding said plate and motor to maintain said cushioning means therebetween in contact therewith, said springs laterally resiliently yieldable to vibratory movements of the motor to dampen communication of vibration from the motor to said plate and turntable, said cushioning means so engaging said motor as to restrain and subdue rotative movements thereof.

2,180,860
VEHICLE SUSPENSION
Roy Wilbur Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 17, 1937, Serial No. 164,349
16 Claims. (Cl. 267—65)



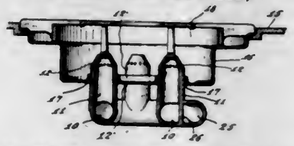
1. A suspension system for vehicles comprising a vehicle frame and axle housing including an axle, flexible pneumatic load carrying devices having no substantial inherent resistance to lateral forces operatively positioned between the axle housing and frame, said devices being positioned beyond the lateral limits of the frame and beyond the central plane of wheels carried by said axle, means pivotally connected to the frame and to the axle housing for resisting relative movement therebetween.

2,180,861
NECKTIE DEVICE
Osceola Casidy, Wichita, Kans.
Application August 8, 1938, Serial No. 223,656
3 Claims. (Cl. 2—153)



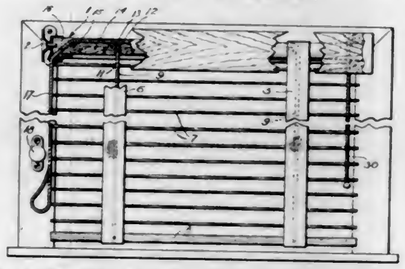
1. In a necktie device; a knot element and a necktie element, said knot element having a knot form and wing like portions extending outwardly therefrom at the top thereof, and a slot bounded by a pair of inwardly extending parallel wall elements on the back thereof for receiving a tie therebetween, and means on the inner edges of said parallel wall portions for allowing the necktie to slip therein in a downward direction only, and means on said necktie for engaging a button so as to prevent excessive downward movement of the necktie through the knot element.

2,180,862
GAS RANGE
John E. Chambers, Shelbyville, Ind.
Application February 10, 1936, Serial No. 63,073
1 Claim. (Cl. 158—115)



In a gas-range, an open-topped burner-enclosure, a burner disposed beneath said enclosure and having bosses projecting upwardly thereinto, each of said bosses at its upper end having a series of burner ports, a mixture-supply conduit having a flash-tube port disposed near the bottom of one of said bosses, the boss adjacent said flash-tube port having a row of igniter ports extending from the vicinity of said flash-tube port upwardly toward its burner ports, said mixture-supply conduit continuing past said flash-tube port and communicating with said burner at a remote point, a pilot burner, and a flash tube for conveying mixture from said flash-tube port to said pilot burner.

2,180,863
VENETIAN BLIND
Charles E. Clancy, Glendale, Calif.
Application March 25, 1938, Serial No. 198,047
3 Claims. (Cl. 156—17)



1. A fixture for Venetian blinds including a member adapted to be fitted on an end of the head rail of a Venetian blind and provided with a lower side which is adapted to be horizontally disposed beneath said head rail and is provided with an elongated opening adapted to receive the flexible operating element of the blind, a downwardly extending portion formed integral with the inner end of said lower side and into which a portion of said opening extends, a tiltable, bodily movable jaw mounted in said extended part of said opening and supported by said downwardly extended portion and adapted to be engaged at its outer end with said flexible element, and a jaw formed integral with the outer end of said lower side and extending downwardly and outwardly therefrom to a point opposite and outwardly spaced from said end of said movable jaw for cooperation therewith to clamp and release said flexible element, said movable jaw having side notches in which portions of said downwardly extending portion are engaged.

2,180,864
DEEP WELL PUMP
William L. Connor, Los Angeles, Calif., assignor to Fluid Packed Pump Company, Whittier, Calif., a corporation of Nevada
Application October 14, 1935, Serial No. 44,818
8 Claims. (Cl. 103—187)

1. A pump having in combination: an inner tube and an outer cylinder concentrically arranged and spaced from each other to form an annular space therebetween, said tube and cylinder being joined together by a fluid-tight connection adjacent the lower end of the outer cylinder; a non-return, valve-controlled inlet port adjacent the lower end of the outer cylinder; a constantly open port in the inner tube adjacent its lower end, above the inlet port, communicating with said annular space; a plunger comprising a cylindrical member telescopically arranged between said inner tube and outer cylinder; a non-return, valve-controlled discharge port in said plunger; a non-return valve controlled discharge port adjacent the lower end of the outer cylinder intermediate the inlet port and said constantly open port in the inner tube; an annular piston on the inner tube to cooperate with the plunger for pumping action; and



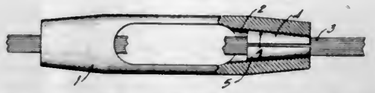
a second annular piston on the plunger to slidingly engage the inner tube and the outer cylinder for pumping action, said pistons isolating the annular space therebetween, which increases and decreases in volume upon reciprocation of the plunger, the plunger being provided with a constantly open port venting said otherwise isolated annular space to the exterior of the pump.

2,180,865
DEEP WELL PUMP
William L. Connor, Los Angeles, Calif., assignor to Fluid Packed Pump Company, Whittier, Calif., a corporation of Nevada
Application October 14, 1935, Serial No. 44,819
9 Claims. (Cl. 103—187)



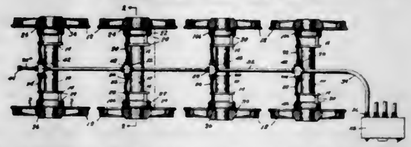
1. A pump having in combination: a lower pump cylinder adapted to be stationary with its lower end extending into the well-pressure zone of a well, the balance of the pump to be surrounded by tubing pressure from above the pump; a valve-controlled intake port in said lower end of the cylinder; an upper pump cylinder adapted to reciprocate telescopically over said lower cylinder; a valve-controlled discharge port at the upper end of the upper cylinder; a downwardly extending tube fixedly mounted within the upper cylinder, the upper end of said tube communicating with the interior of the upper cylinder; an annular piston mounted on the tube to cooperate with the lower cylinder for pumping action; and a second annular piston mounted on the upper end of the lower cylinder to cooperate with said tube and upper cylinder for pumping action, the wall of the lower cylinder below the second annular piston being reduced in diameter to provide a clearance between the inner cylinder and the outer cylinder, and said wall being provided with ports near said second piston for the purpose of venting the annular space between the two pistons.

2,180,866
CONNECTOR
John A. Cryer, Purling, N. Y.
Application July 20, 1938, Serial No. 220,240
1 Claim. (Cl. 24—136)



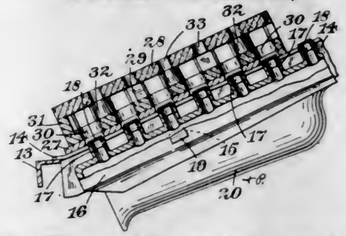
A cable connector comprising a basket having a tapered bore in one end thereof adapted to receive a cable end, and a hollow, frusto-conical plug adapted to fit closely within said bore and comprising separate sections adapted to lie about and closely engage said cable when said sections are in slightly spaced relation to each other, whereby to provide clearance for forcing said sections into closer engagement with said cable; the interior surface of said plug being provided with a plurality of closely spaced, circumferentially-extending, V-shaped ridges having truncated crests to prevent the weakening of said cable by substantial penetration of said ridges therein; said ridges being truncated at an appreciably greater depth at the smaller end of said plug than at the other end thereof to provide a gradual transfer of stress from said cable to said connector; and the inner edges of said sections being rounded to eliminate sharp projections therealong in contact with said cable.

2,180,867
LOCOMOTIVE LUBRICATING SYSTEM AND APPARATUS
Edward J. Doyle, Watertown, and Fred A. Butler, Newton Center, Mass.
Application October 28, 1936, Serial No. 107,990
2 Claims. (Cl. 184—7)



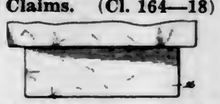
1. A lubricating system comprising a single action oil pump for supplying oil continuously to said duct under pulsating pressure, an oil outlet leading from said duct, and an oil absorbent plug interposed between said outlet and said duct and in contact with the oil in said duct, said plug being compressible by the pressure of oil in said duct and capable of compression and expansion in response to the pulsating oil pressure in said duct to pass oil through the plug on each increase of oil pressure, the plug being characterized by being largely oil impervious to a steady oil pressure.

2,180,868
GRILLER
Eric William Bee Dunning, London, and Philip Howard Pearce, Exeter, England, assignors to The Gas Light & Coke Company, Westminster, London, England, a British company
Application March 22, 1938, Serial No. 197,518
In Great Britain April 1, 1937
3 Claims. (Cl. 126—41)



1. A grill comprising a gas burner having a plurality of teats, a pair of firebrick slabs having a number of apertures formed therein, means for spacing said slabs apart one over the other, means for locating the pair of slabs over said burner, which apertures are so formed in the lower slab as to register with the burner teats and which apertures in the upper slab are so formed as to be in staggered relationship to the first said apertures and means for supporting the material to be grilled above said slabs.

2,180,869
METHOD OF AND TEMPLET PUNCH FOR STAMPING FLAT SHEET METALWORK
Joseph S. Gay, Buffalo, N. Y.
Application March 31, 1937, Serial No. 134,019
10 Claims. (Cl. 164—18)

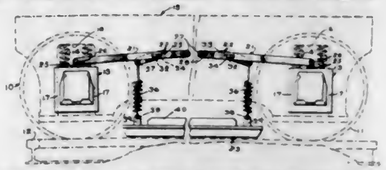


1. The method of punching or stamping sheet-metal fittings or the like from sheet material, consisting in the utilization of a hardened templet formed of sheet-metal and in conformity with which a counterpart is to be stamped from the sheet material, and the employment of a sheet-metal part co-acting with said templet to shear the material in conformity with the shape of said templet under the application of pressure causing relative movement of said templet and sheet-metal co-acting part.

3. Die-mechanism for punching or stamping flat sheet metal, comprising a flat sheet-metal templet-die thicker than the thickness of the sheet metal to be punched or stamped thereby a flat sheet-metal element having an opening therein conforming to that of the templet-die and positioned in relation to the latter that a sheet of metal may be placed between said templet-die and flat sheet-metal element, and means for relatively moving said templet-die and flat sheet-metal element.

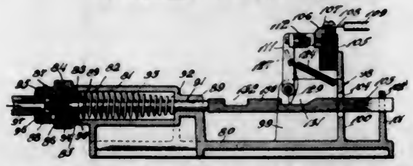
2,180,870
MAGNETIC RAIL BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 19, 1937, Serial No. 169,787
7 Claims. (Cl. 188—165)

1. In combination, a car truck having a sprung part and an unsprung part movable to different positions relative to each other according to the load on the truck, a rail brake element, two levers pivotally connected to each other intermediate the ends thereof, one of said levers supporting said rail brake element, the said two levers being so arranged as to assume different angles with



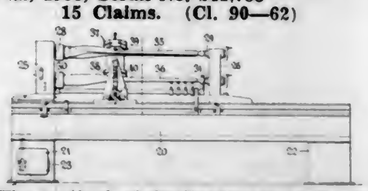
respect to each other according to the relative position of the sprung and unsprung parts of the said truck and thereby cause the said one lever to maintain the said rail brake element normally in a position which is a substantially constant distance above a cooperating track rail for any load carried on the truck.

2,180,871
CIRCUIT BREAKER FOR ELECTRICALLY POWERED VEHICLES
Benjamin B. Follett, Warwick, R. I., assignor to United Electric Railways Company, a corporation of Rhode Island
Application December 18, 1936, Serial No. 116,567
10 Claims. (Cl. 192—2)



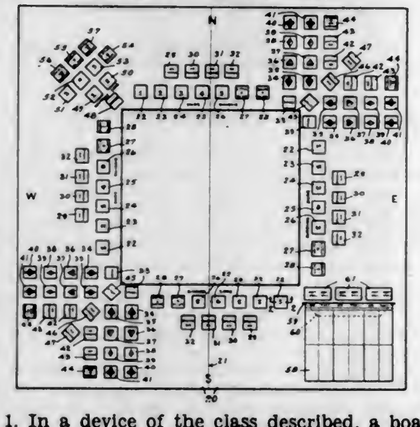
1. In combination with a vehicle having braking means and means for electric power propulsion including an electric circuit, of a mechanism comprising a means responsive to the operation of said braking means including a member operable in a single direction to initially cause breaking of the said circuit and to then subsequently cause restoring of the said circuit prior to the complete release of said braking means.

2,180,872
MEANS AND METHOD FOR MACHINING CURVED SURFACES
William H. Ford, Williamsville, N. Y.
Original application June 4, 1938, Serial No. 211,874. Divided and this application November 22, 1938, Serial No. 241,753
15 Claims. (Cl. 90—62)



1. The method of duplicating propeller blades which comprises the preparation of a master element by embedding the major portion of the lower half of a sample propeller blade in a plastic material with the blade disposed with its major cross sectional axis disposed horizontally, permitting said plastic material to set, reproducing the contour of the exposed portion of the blade and the surrounding plastic material on a blank by suitable profiling mechanism, removing the blade from the plastic material, reversing the position of the blade and embedding the same in plastic material with its opposite face exposed, reproducing such opposite face on the opposite face of said blank, said blank being thicker than said propeller whereby a ledge is formed thereabout, the opposed faces of said ledges corresponding in contour with the surface of the plastic material surrounding the blade in the first and second steps of the method respectively.

2,180,873
BID SCORING DEVICE FOR CONTRACT AND AUCTION BRIDGE
Wayne B. Hill, Redondo Beach, Wash.
Application November 15, 1937, Serial No. 174,508
5 Claims. Cl. 273—148)



1. In a device of the class described, a board arranged for card playing in the central portion thereof and provided with a bidding zone in each marginal portion thereof adjacent each player, said bidding zone comprising a plurality of depressions of a size to receive therein markers in the form of relatively thin solids and said depressions bearing indicia indicating bids from one to seven; and a plurality of markers in the form of relatively thin solids and each of which markers is adapted to be placed within one of said depressions of the bidding zone, said markers bearing indicia indicating respectively spades, hearts, diamonds, clubs and no trump.

2,180,874
CARTRIDGE FUSE
Philip Vassar Hunter and Alfred Whitley Metcalf, London, England, assignors to Callender's Cable and Construction Company Limited, London, England, a British company
Application January 24, 1938, Serial No. 186,728
In Great Britain January 30, 1937
2 Claims. (Cl. 200—131)

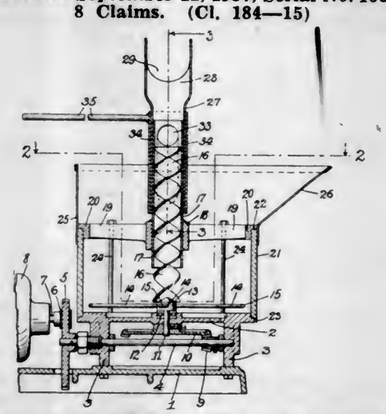


1. A cartridge fuse comprising a number of chambers and fusible elements surrounded by finely divided material in said chambers, each element having means for fixing the region in which fusion starts, the number of chambers being not less than a value N obtained from

$$N=\frac{C}{12}-2$$

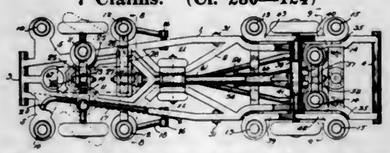
C being the rated carrying current of the cartridge.

2,180,875
APPARATUS FOR LUBRICATION
Halsey G. Kinder, Kenosha, Wis., assignor to Macwhyte Company, Kenosha, Wis., a corporation of Illinois
Application September 11, 1937, Serial No. 163,366
8 Claims. (Cl. 184—15)



1. In combination in a lubricant applying apparatus, a container, and means for positively feeding lubricant from said container to a point of use, said means comprising a screw, and a plurality of agitator members, means for rotating said agitators and said screw, and a guide tube positioned about said screw and partially within said container, said screw extending beyond the inner end of said tube directly into said container, and a second tube positioned about said first tube and mounted for axial and rotational adjustment with respect to said first tube, said first tube provided with a laterally faced opening, said second tube provided with a longitudinally aligned slot, the upper end of said second tube extending upwardly beyond said first tube, and being partially cut away to provide a lubricant supplying zone through which work pieces may pass.

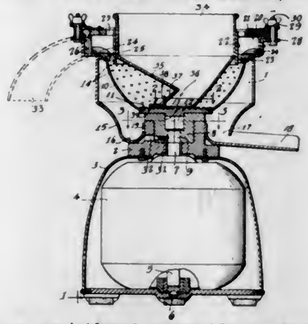
2,180,876
INDIVIDUAL PNEUMATIC SUSPENSION SYSTEM
John W. Kuhn, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 17, 1936, Serial No. 91,186
7 Claims. (Cl. 280—124)



1. A spring suspension system for vehicles in-

cluding a chassis and running gear, said running gear including an axle and wheels, supports on the chassis extending to points in alignment with the wheels, spring devices connecting said supports and axle, and additional spring devices mounted adjacent the ends of the axle, and a lever pivoted to the chassis and having its ends connected to the last-named springs whereby an upward thrust on one of the latter springs will be converted into a downward thrust on the opposite spring.

2,180,877
CONTINUOUS OPERATION CENTRIFUGAL JUICE EXTRACTOR
Ben L. Lorenzen, Los Angeles, Calif., assignor of one-half to Charles S. Frank, Los Angeles, Calif.
Application November 19, 1938, Serial No. 241,419
4 Claims. (Cl. 146—3)



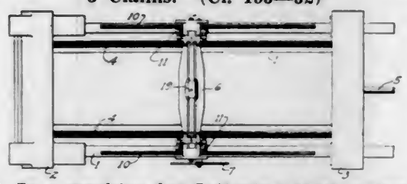
1. In a centrifugal vegetable or fruit grinder and juicer, the combination of a casing having an outlet for the juice, a hopper having an outlet within the casing, a grinder of substantially disc form positioned within the casing to receive the material from the hopper outlet to grind the same to a pulp, a centrifugal basket surrounding the grinder and having its side wall sloping upwardly and outwardly of the grinder and including means for driving the same at a high speed to pass the juice through the wall of the basket, retain the pulp and force the pulp up and over the wall of the basket, said casing having an annular receiver space within the same communicating with the upper edge of the basket for receiving pulp therefrom, and ejector means carried by the basket and moving at the annular receiver for ejecting the pulp from the receiver space.

2,180,878
TROLLEY WIRE SUPPORT
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Original application December 31, 1935, Serial No. 56,973. Divided and this application November 6, 1937, Serial No. 173,210
7 Claims. (Cl. 191—33)



1. A tip for a trolley wire device comprising a body having a tongue portion to receive means for securing the tip to the device, a portion projecting from the tongue in alignment with the tongue, one edge of the projecting portion provided with a wire-receiving groove open throughout its length along one edge, one portion of the groove formed by lips of uniform depth and another portion of the groove formed by lips of varying depth, the lips of varying depth being adapted to have their free edges formed together to enclose the wire and form a guide surface for a current collector and also form a wire-receiving passage of varying depth.

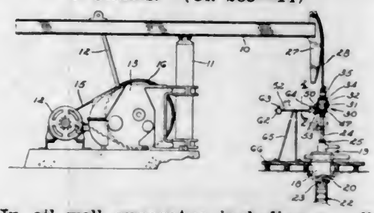
2,180,879
METHOD OF AND APPARATUS FOR FLATTENING SHEET MATERIAL
Benjamin C. McFadden, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 11, 1935, Serial No. 44,537
3 Claims. (Cl. 153—32)



1. In a machine for flattening sheet material, means for gripping the material at spaced intervals, means mounted for movement between said gripping means including a plurality of working rollers for subjecting said material to reverse bending stresses while under tension applied through said gripping means, and means for controlling the flexure of said working rollers including back-up rollers adjustable longitudinally of said working rollers and adapted for vertical adjustment for varying the pressure exerted thereon.

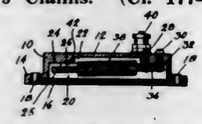
3. The method of flattening sheet material which comprises gripping the material at spaced intervals, applying tensile stress to the material between the spaced intervals, applying pressure and reverse bending across the width and over portions of the length of the material under tensile stress, and varying the magnitude of pressure and reverse bending at different points across the width of the material.

2,180,880
MEANS FOR ROTATING PUMP ROD IN A WELL
Alfred E. Poulsen, Los Angeles, Calif.
Application July 5, 1938, Serial No. 217,329
8 Claims. (Cl. 255—14)



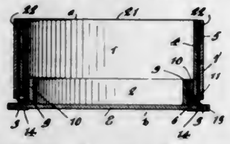
1. In oil well apparatus including a polished rod reciprocated by an actuator the combination therewith of means to intermittently rotate said polished rod, said means comprising: mechanism moving with the polished rod in a path of reciprocation, said mechanism being operatively connected with the polished rod for rotation thereof; driving means mounted to move with said mechanism along said reciprocation path, said driving means being operatively connected with the mechanism for driving the mechanism when moved relative thereto; and impingement means positioned in the path of reciprocation of said driving means for contact with said driving means to cause movement thereof relative to said mechanism for actuation of the mechanism, said impingement means being independent of said actuator and being adapted for contact with said driving member only along a limited zone of said reciprocation path whereby actuation of said mechanism is not affected by bodily movement of said mechanism outside of said zone.

2,180,881
ALTERNATING CURRENT BUZZER
Joseph A. Rostron, Cambridge, Mass.
Application September 24, 1937, Serial No. 165,540
3 Claims. (Cl. 177—7)



2. An alternating current buzzer comprising a casing of magnetic material having opposed ledges and an intervening recess, a resilient vibratory bar of magnetic material traversing said recess and having its one end clamped upon one ledge and its other end closely spaced from said other ledge, and a magnetizing winding surrounding and carried by and vibrating with said bar and at least partly located in said recess.

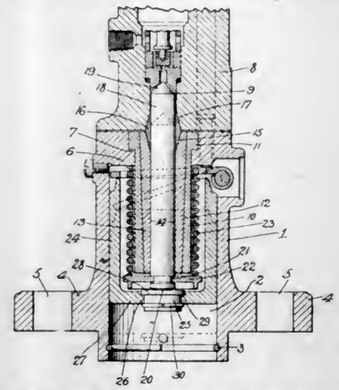
2,180,882
CONTAINER
Joseph N. Royal, Buffalo, N. Y., assignor, by mesne assignments, to F. N. Burt Company, Inc., Buffalo, N. Y., a corporation of Delaware
Application August 18, 1936, Serial No 96,628
14 Claims. (Cl. 229—5.5)



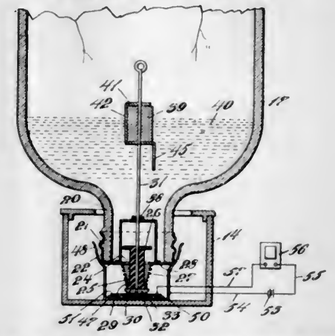
1. In a container of the character described, the combination of a drum part having an opening at one end and a closure part for said opening, each of said parts having a circumferentially continuous retainer device, the retainer devices cooperable to interlock with each other and secure the closure in the opening by assembling movement between the parts, one of said parts having laminations off-set relative to each other at their edges to form said retainer device thereon and a powder sealing strip secured between laminations of said part and disposed in contact with the retainer device of the other part in the assembled relation of said parts.

2,180,883
FUEL PUMP ASSEMBLY
Philip Lane Scott, Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a corporation of New York
Application November 12, 1936, Serial No. 110,485
6 Claims. (Cl. 29—149.5)

2. The method of sizing a liner in a multi-part pump barrel, which includes the steps of forming a hollow liner with tapered exterior, leaving the interior size thereof greater than that finally necessary, forming a hollow sleeve with correspondingly tapered interior, forcing the two together axially and thereby substantially uniformly decreasing the internal size of the liner to the desired final substantially uniform size.



2,180,884
FLOAT SWITCH FOR FUEL OIL BURNERS
Carl A. Silvestri and Arthur Pacifico, Providence, R. I.
Application August 12, 1937, Serial No. 158,710
6 Claims. (Cl. 200—84)

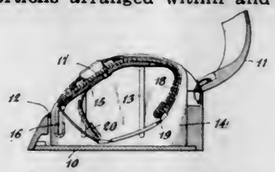


1. In a float switch, a bottle cap, a valve, a spindle insulated from said cap and carried by said valve for insertion into the bottle, a float slidable on said spindle and carrying a member making electric contact therewith, and means to cause electrical connection between said member and said cap upon movement of said float to a predetermined position.

2,180,885
JEWELRY BOX
John R. Sundee, Buffalo, N. Y., assignor to Buffalo Jewelry Case Co., Inc., Buffalo, N. Y., a corporation of New York
Application October 7, 1937, Serial No. 167,723
9 Claims. (Cl. 206—44)

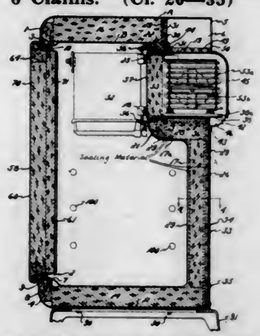
1. A display device for wrist watches and the like, comprising a substantially hollow, block-like member having side walls and a top wall, the latter constituting a support for the watch and the adjoining ends of its attaching band, and a resilient member secured to the underside

of said top wall and having depending band-engaging portions arranged within and adjoining



the front and rear ends of said block-like member.

2,180,886
CABINET AND METHOD OF MAKING AND ASSEMBLING THE SAME
Charles C. Thomas, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application July 20, 1933, Serial No. 681,349
6 Claims. (Cl. 20—35)



6. A sealing strip for sealing the joint between a pair of relatively movable members, said strip comprising a hollow rubber cushion adapted to lie along the joint and to be compressed between the members, a web integral with said cushion and extending therealong to engage a slot in one of the members, and a pair of resilient sealing lips hingedly attached to said web and adapted to seal the slot throughout the extent of the strip.

2,180,887
OPHTHALMIC LENSES, SERIES OF SAID LENSES, AND METHOD OF MAKING THE SAME
Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 31, 1937, Serial No. 134,076
4 Claims. (Cl. 88—54)



1. A series of lens blanks for lenses intended to correct refractive as well as shape magnification errors, the blanks of said series comprising pieces of lens medium of given indices of refraction having front optical surfaces D_1 of curvatures calculated for given ocular surface power considerations D_2 graded in equal steps of integer diopters or fractions of said diopters so that each of said surfaces D_1 differ from each other by amounts which, with a given predetermined constant finished thickness consideration t for said series, produce zero power lenses having equally graded percentages or fractions of percentages of shape magnification S' according to the formula

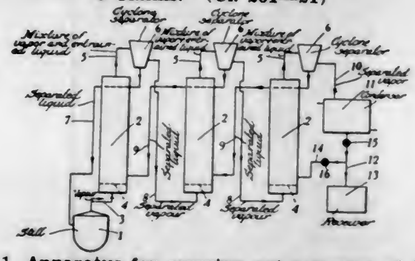
$$S' = \frac{1}{1 - sD_1}$$

with the thickness t of said series obtained from the formula $S' - 1 = -sD_2$ by eliminating from the S' equation

$$\left(\frac{D_1}{1 - sD_1}\right)$$

wherein s is the thickness t divided by the refractive index of the medium, each blank having a thickness in excess of said given predetermined thickness t to receive a final ocular surface which will introduce the focal power correction required, the curvature of said front surface D_1 with said given index of refraction and predetermined thickness t being such that the final ocular surface to be formed on the blank will be of an integer diopter or fraction of a diopter, the curvature thereof being obtained by algebraically adding the prescriptive focal power desired to the given ocular surface power consideration D_2 for said blank, the addition of said final ocular surfaces to said blanks, while maintaining said given thickness t, producing the refractive corrections required with substantially no change in the S' values of the blanks.

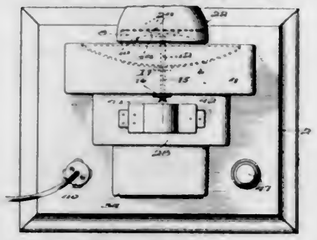
2,180,888
GAS AND LIQUID CONTACT APPARATUS
Arthur Joseph Victor Underwood, London, England
Application November 4, 1935, Serial No. 48,217
In Great Britain November 10, 1934
5 Claims. (Cl. 261—21)



1. Apparatus for carrying out processes of the kind described comprising a plurality of contacting chambers arranged at the same level for contacting liquid and gasiform fluid, means for supplying gasiform fluid to the first chamber, means for supplying liquid to the last chamber, an outlet from each chamber for a mixture of liquid and gasiform fluid, a plurality of separating means, an inlet to each separating means, the inlets of the separating means being connected respectively to the outlets of the chambers, an outlet from each separating means for liquid, an inlet to each chamber for liquid, the liquid outlet from the second separator being connected to the liquid inlet of the first chamber and so on, an outlet from each separator for gasiform fluid, an inlet to each chamber for gasiform fluid, the gasiform fluid outlet from the first separator being connected to the gasiform fluid inlet of the second chamber and so on, each separating means being located at such height above the liquid inlet to the chamber connected

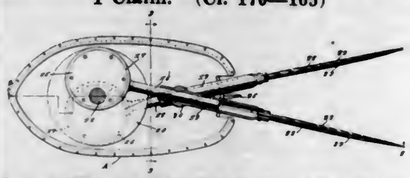
to it that with complete entrainment of the liquid in the chamber the liquid can fall by gravity from the separating means to the chamber.

2,180,889
ACOUSTIC ASSEMBLY FOR THE HARD OF HEARING
Christian A. Volf, New York, N. Y., assignor to Clarence W. Sinn, New York, N. Y.
Application July 1, 1936, Serial No. 88,434
2 Claims. (Cl. 179—1)



1. A sound-pick-up device for use on a table or desk, comprising in combination, a concave sound concentrator, a housing therefor, a transmitter positioned in front of and spaced from the concentrator and facing it, and having a resonance chamber therein, and a substantially hemispherical cup mounted on the back of the transmitter, for directing sound waves into the concentrator and for providing a second resonance chamber back of the transmitter, the back of the transmitter being provided with apertures for putting said resonance chambers into communication with each other, said second resonance chamber serving to lower the pitch and improve the quality of the sound waves that are directed to the transmitter by said concentrator.

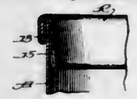
2,180,890
FISHTAIL PROPELLER
Leon J. Weatherwax, Toledo, Wash., assignor of one-half to Robert B. Menefee, Toledo, Wash.
Application August 25, 1938, Serial No. 226,788
1 Claim. (Cl. 170—165)



A propeller of the character described comprising a housing, tubular extensions projected from said housing, rotatable through a portion of the arc of a circle in parallel planes one above the other and having hubs swingable on an axis common to said tubular extensions, and blades carried by said extensions.

2,180,891
CONTAINER
Andrew Weisenburg, Philadelphia, Pa., assignor to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 16, 1936, Serial No. 101,127
1 Claim. (Cl. 220—42)

A cylindrical container having a body formed with a side seam, a seamless neck ring in an end of said body against the inner wall thereof to provide a substantially full pouring opening from the container, said ring having a central portion fitting within the end of the body, an upper portion secured to the edge of the body and a lower portion bent outwardly and upwardly between the inner wall of the body and the outer wall of the central portion of said ring, the end of said outwardly and upwardly bent portion contacting the inner wall of the body at an acute angle thereto a sufficient distance above the bend of said ring to form a fulcrum at the point of contact for said ring at its bend, the central portion of said ring tapering downwardly and inwardly from the end of the body to the bend of the lower portion of said ring to slightly space said bend from the inner wall of the container, said ring being thereby resilient at its bend and adapted to yield outwardly thereat, said container being adapted to removably receive a closure of the plug type within said ring, which closure engages said ring at its bend and expands the same around said fulcrum to form a tight seal between the closure and said ring, the bend of said ring being adapted to spring inwardly from the container wall when the closure is removed.



2,180,892
BINDER
Henry T. Adams, Chicago, Ill.
Application August 2, 1937, Serial No. 157,053
5 Claims. (Cl. 129—8)

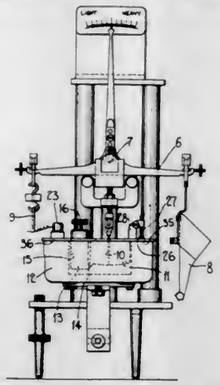


2. A ring binder for perforated sheets consisting of two elements, one of the said elements comprising an integral frame equipped with fixed rings each having a gap therein, and the other of said elements comprising a rotatable bridge member extending the length of said frame and equipped with prongs supported in alignment with said rings.

2,180,893
WEIGH BEAM DAMPING DEVICE
Cyril Best, Deptford, London, England, assignor to Molins Machine Company Limited, Deptford, London, England
Application February 17, 1938, Serial No. 191,068
In Great Britain April 15, 1937
6 Claims. (Cl. 188—93)

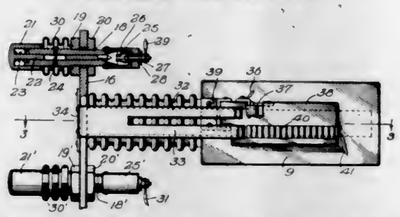
1. In weighing apparatus of the type described, a dashpot comprising a larger and a smaller

container each containing a liquid, said smaller container being disposed within the larger container, an electrical resistance submerged in the liquid in the larger container and connected with a source of energy whereby the liquid in the smaller container is heated to a predetermined temperature greater than the greatest atmos-



pheric temperature to be expected in the region in which the apparatus is to operate and a thermostat submerged in the liquid of the larger container to maintain the liquid in the smaller container substantially at the predetermined temperature and thereby to maintain the viscosity of the liquid substantially constant.

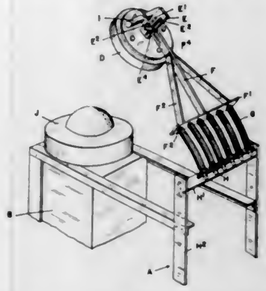
2,180,894
SIGNALING SWITCH
François Courtinade, New York, N. Y.
Application March 24, 1937, Serial No. 132,817
6 Claims. (Cl. 200—59)



1. In a motor vehicle signaling system, in combination, a steerable wheel having a brake drum and a cover plate for the drum, a switch unit including circuit closing contacts, and a depressible grounding plunger of conducting material carrying a contact member adapted to engage said contacts when the plunger is depressed, said plunger being mounted in predetermined spaced relation to said cover plate whereby when the said wheel is given a steering turn beyond a predetermined angle, the plate wipes the plunger and simultaneously depresses the latter.

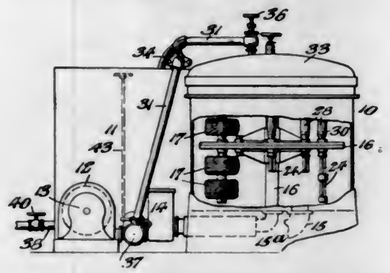
2,180,895
MACHINE FOR MANUFACTURING CLAY PRODUCTS
Charles E. Doll and Claude F. Copeland, Mount Clemens, Mich.
Application March 22, 1937, Serial No. 132,439
2 Claims. (Cl. 25—22)

1. In a machine for fashioning clay, the combination with a frame including a rigid base portion, of a clay-supporting member mounted on said base portion, a batter head, a lever of the second class on which said batter head is mounted, said lever comprising a rigid member supporting the head and helical springs attached to said rigid member, said springs connecting said rigid member to said frame and constituting the fulcrum end of the lever, said springs normally supporting said head in raised position above said clay supporting member but permitting downward movement thereof by actuation of said lever and substantially determining the path thereof.



2. In a machine for fashioning clay, the combination with a frame including a rigid base portion, of a clay-supporting member on said base portion, a batter head, a lever of the second class on which said batter head is mounted, said lever having a laterally extending cross member and a series of helical springs connected to said cross member and said frame for normally holding said lever with said head in raised position above said clay-supporting member but permitting downward movement under actuation of said lever and substantially determining the path thereof, said springs also forming a resilient cushion for said batter head.

2,180,896
METHOD OF DYEING PACKAGE YARN
Harry S. Drum and William C. Dodson, Abington, and William H. Jaxheimer, Philadelphia, Pa., assignors to Smith, Drum and Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 24, 1938, Serial No. 226,430
3 Claims. (Cl. 8—155)

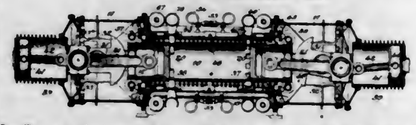


1. Additional steps in the method of dyeing packages of yarn arranged one above another in a dye vat, which consists in maintaining the packages submerged in dye liquor, stopping the supply of dye liquor, circulating water through the packages and into the vat to mix with and displace the dye liquor, maintaining such circulation until the discharge is substantially clear water, and then draining the vat.

2,180,897
COMPOSITION
Norman J. Dunbeck, Elfort, Ohio, assignor to Eastern Clay Products, Inc., Elfort, Ohio, a corporation of Ohio
No Drawing. Application February 3, 1939, Serial No. 254,497
7 Claims. (Cl. 22—188)

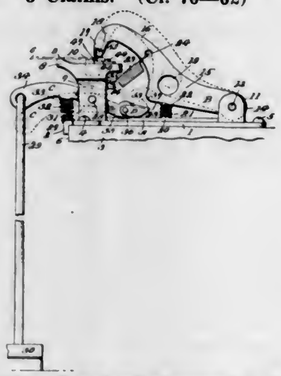
1. In compositions of matter of the class described, a foundry composition comprising in combination, sand and a reversible binder of non-swelling, colloidal montmorillonite.

2,180,898
INTERNAL COMBUSTION ENGINE
James S. Frazer, Earleville, Md.
Application August 25, 1937, Serial No. 160,898
15 Claims. (Cl. 123—51)



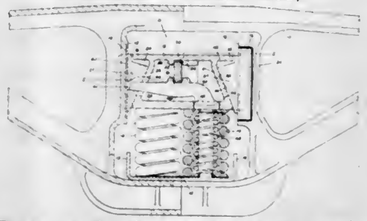
8. In an internal combustion engine of the opposed piston type, a cylinder, a crank case at each end of said cylinder, a crank shaft within each crank case, main bearings within each crank case for the crank shaft therein, tie rods connecting the crank cases together and extending through related main bearings in the respective crank cases, and other tie rods connecting together opposite side walls of each crank case, said last mentioned tie rods being located adjacent to said main bearings at the sides thereof remote from the cylinder and extending transversely relative to the axes of the cylinder and the crank shaft, there being integral web connections between the main bearings and the crank case side walls.

2,180,899
SAW SET
John Wesley Gaede, Cleveland, Ohio
Application July 8, 1938, Serial No. 218,209
3 Claims. (Cl. 76—62)



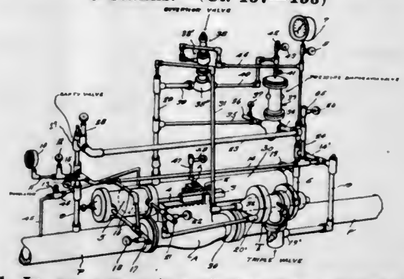
1. An improved saw set comprising an anvil, a pivotally mounted hammer, expanding resilient means normally holding said hammer above and in separated relation to said anvil and the saw blade thereon, a second contracting resilient means resisting the upward movement of said hammer, and a trigger for raising said hammer against the tension of said contracting resilient means and then releasing the said hammer to deliver a setting blow.

2,180,900
LOAD RESPONSIVE RECOIL SNUBBER
Ernest G. Goodwin, Roanoke, Va.
Application January 11, 1936, Serial No. 58,734
17 Claims. (Cl. 105—193)



1. In a car truck, a side frame, springs on said side frame, a bolster supported on said springs and means movable with and in part carried within the bolster for frictionally engaging the side frame, said means including a lever for utilizing the recoil action of some of said springs to vary said frictional engagement with a force proportional to the recoil force of said springs.

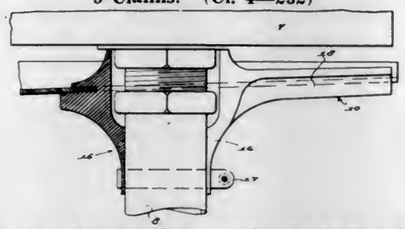
2,180,901
CONTROL SYSTEM FOR PIPE LINES
Loyd Harleston, Baton Rouge, La.
Application April 7, 1938, Serial No. 200,780
5 Claims. (Cl. 137—153)



1. In an apparatus of the class described, a main line, a control valve in said line operative to open and close the same, valve operating mechanism including a cylinder and piston, the latter operative under pressure on opposite sides thereof to open and close said valve respectively, and means to operate said piston comprising a pressure tank, a supply line extending between the main line and said tank, a return line connecting the tank to said main line, a normally open cut-off valve in the return line for closing the same in the event of pressure failure in the main line, a cut-off valve control line connecting the tank with said cut-off valve, a governor valve interposed in the cut-off valve control line and operative under pressure failure in the main line to closing of the cut-off valve and thereby block the return line, a triple valve in the supply line operative under normal pressure in the main line to open the supply line, a constantly open control line for introducing pressure from the main line to one side of the piston, whereby the latter is operative in a direction to maintain the main valve open under normal pressure in the main line, a second control line from the triple valve to the opposite side of the piston and controlled by the triple valve to exhaust from said side of the piston under normal pressure in the main line, said triple valve being operated by pressure in the tank when the return line is closed to establish communication be-

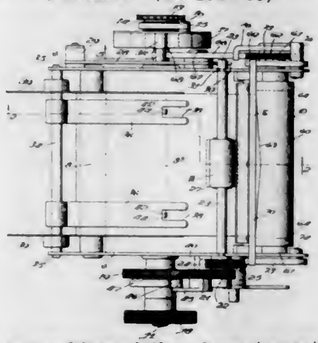
tween said tank and the last-mentioned control line, whereby pressure is introduced to said opposite side of the piston to cause the same to operate the main valve to closing position.

2,180,902
FLUSH TANK MOISTURE COLLECTION DEVICE
Vincent Herodes and Emil Janes, Chicago, Ill.
Application May 25, 1939, Serial No. 275,756
5 Claims. (Cl. 4—252)



1. In a device of the character set forth, a tray including a drain means and having slots opening outwardly through one side thereof to receive pipes of a flush tank said slots having parallel opposite walls, and yieldable fittings detachably mounted on the pipes to receive said walls of the slots for slidably securing the fittings to the tray for closing said slots.

2,180,903
FEEDING AND ALIGNING MECHANISM FOR A CUTTING DEVICE
Louis Jensen, Chicago, Ill., assignor to United Autographic Register Co., a corporation of Illinois
Application January 27, 1938, Serial No. 187,287
7 Claims. (Cl. 164—68)



4. In a machine of the character set forth: a table over which a strip of stationery may be led; a knife edge at the front of said table; feed-mechanism for advancing said strip over said table and more than a predetermined length of strip beyond said knife edge; friction-members disposed above said table and adapted to press the stationery lightly against the same; a normally retracted register-finger beneath said table adapted to project upwardly therethrough to engage the stationery at perforations provided therein and retract the strip until only the predetermined length projects beyond the knife edge; a transversely disposed oscillatable knife cooperating with said knife edge to shear off said length of strip; and means for operating said feed-mechanism, register-fingers and oscillatable knife in timed relation automatically.

2,180,904
EXPANSION JOINT FOR ROOFING AND THE LIKE SURFACES
Knud Christian Jorgensen, Auckland, Auckland, New Zealand
Application December 21, 1938, Serial No. 247,082
In New Zealand July 25, 1938
6 Claims. (Cl. 108—12)



1. An expansion joint for asphalt or like surface coverings consisting in the combination with a break line formed in such covering, of a metal sheet arranged beneath the covering to extend across the break and which sheet is shaped with two vertically disposed ribs arranged to project upward within the break and in parallel alignment at a spaced distance from each other, and a metal sheet for each side of the break arranged to extend with one edge in beneath the said covering on such side and above the first mentioned sheet, and shaped along an outer edge extending into the break to envelop the sides and top of the aforesaid rib adjacent to its sides of the break, to leave a space between them and which space is filled with grease or like commodity.

2,180,905
PROCESS OF OBTAINING AN EXTRACT OF DUODENAL MUCOSA
Archibald Bruce Macallum and Nelles Boyd Laughton, London, Ontario, Canada
No Drawing. Application August 17, 1931, Serial No. 557,744
2 Claims. (Cl. 167—74)

1. The method of obtaining a therapeutic agent comprising extracting duodenal mucosa with an acidified alcohol solvent, removing the solvent, extracting the residue with aqueous acid, adding calcium acid phosphate to the solution, and precipitating the calcium acid phosphate.

2,180,906
RUBBER COMPOUND AND PROCESS OF MAKING SAME
Frederick J. Maywald and Frederick J. Maywald, Jr., Rutherford, N. J.; Eleanor A. Maywald, executrix of said Frederick J. Maywald, deceased, assignors to Maywald-Fleming Patents Company, a corporation of New Jersey
No Drawing. Application May 4, 1936, Serial No. 77,808
11 Claims. (Cl. 260—747)

1. Process of making a rubber compound comprising milling fibers of substantially greater length than $\frac{1}{16}$" into rubber with an amount of oily lubricant sufficient to render the surfaces of said fibers slippery and in excess of the compounding amounts of oily material added as softeners to rubber, whereby said fibers are evenly distributed substantially unbroken throughout the rubber.

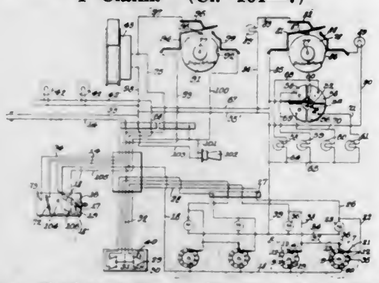
2,180,907
TUBULAR WATER HEATER OR GEYSER
John Ernest Neale and Albert Guest, Coventry, England
Application March 21, 1939, Serial No. 263,286
In Great Britain June 10, 1938
5 Claims. (Cl. 122—355)

1. A pipe system, for a geyser, including two superposed, substantially horizontal layers of substantially parallel pipes, with approximately the same number of pipes in each layer, said pipes arranged to extend between headers, said pipes and headers being arranged so that the water in the lower layer will flow in multiple paths in one



direction in some of the pipes and in multiple paths in the opposite direction in the remainder, while in the upper layer the water will flow in multiple paths in the said one direction in all the pipes, and radiating fins embracing the pipes.

2,180,908
SCOREBOARD
Ralph Arthur Nevinger, Greenville, Ill.
Application July 2, 1935, Serial No. 29,560
1 Claim. (Cl. 161—7)



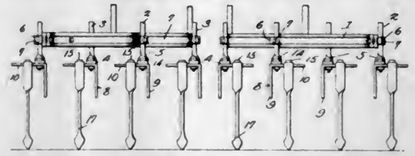
In a display device, a housing, an indicating member operating within the housing, groups of distinctive lamp signals within the housing and adapted to illuminate the housing, a source of electricity supply, a constantly moving time controlled switch including a disk having an elongated notch in its periphery, spaced upper and lower stationary contact arms in circuit with the source of electricity supply, each of the contact arms being in circuit with a certain group of lamp signals, a movable contact arm having an enlargement adapted to engage the disk and move the movable contact arm into engagement with the upper stationary contact arm completing a circuit to certain lamp signals, and said enlargement adapted to move into the elongated notch, lowering the movable contact arm into engagement with the lower stationary contact arm completing a circuit to another group of signal lamps for a predetermined period.

2,180,909
AWNING FOR AUTOMOBILES
Charles Peckat, River Forest, Ill.
Application June 29, 1939, Serial No. 281,956
8 Claims. (Cl. 296—95)



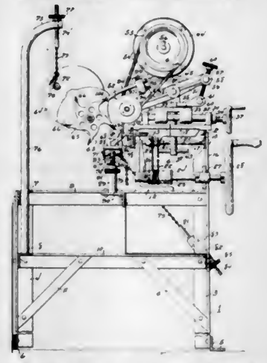
1. Apparatus of the character described for supporting an awning in the desired position with respect to the windshield of an automobile having gutters adjacent said windshield, including: a pair of members adapted to be clamped to the gutters on each side of the windshield; and means carried by the members for supporting the awning in said position.

2,180,910
CULTIVATOR ATTACHMENT
Walter M. Reynolds, San Antonio, Tex.
Application January 8, 1938, Serial No. 184,061
8 Claims. (Cl. 97—198.1)



1. In a device of the class described, a hanger comprising horizontal and vertical arms, means for securing the vertical arm to a plow beam for vertical adjustment, a bracket having rectangularly disposed parts, means for attaching one of the rectangularly disposed parts of the bracket to the horizontal arm of the hanger, a soil-engaging element, and means for attaching the soil-engaging element to one of the rectangularly disposed parts of the bracket.

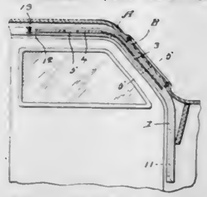
2,180,911
UNIVERSAL LAWN MOWER GRINDER
Burr S. Rogers, Lindsey, Ohio
Application June 7, 1938, Serial No. 212,375
6 Claims. (Cl. 51—34)



1. In a machine for grinding the stationary cutter blade and the cooperating cutter blades on the correlated reel in a lawn mower assembly, a supporting frame having a track way, means for supporting the mower assembly with the stationary cutter blade disposed in near abutting and parallel relation to one side of the track way with the reel disposed in a higher plane, a reciprocatory carriage on said track way, a supporting block mounted on said carriage with provision for horizontal adjustment transversely of the carriage, a supplemental support mounted to rotate about a vertical axis on said supporting block with means for releasably locking it in adjustment, a motor support pivotal about a horizontal axis on said supplemental support, a motor on said motor support, a rock arm movable with said motor support about the same pivotal axis, a grinding wheel on said rock arm, a driving connection between said grinding wheel and motor, and means for swinging said rock arm and releasably locking it in adjusted position

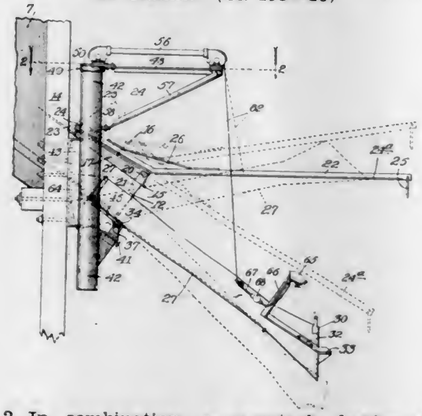
whereby to set the grinding wheel in different vertical positions selectively to grind the stationary and reel blades of the motor assembly.

2,180,912
VEHICLE OCCUPANT PROTECTOR
Harvey R. Rogers, Springfield, Ill.
Application November 29, 1938, Serial No. 242,996
3 Claims. (Cl. 296—84)



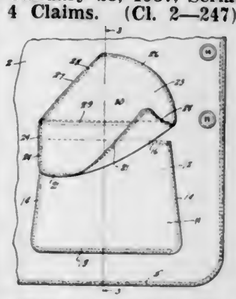
1. A device for protecting the occupants of a motor vehicle from broken glass comprising a metallic shield having sight openings therein, tubular members slotted for a portion of their length and shaped to provide tracks secured within the body of the vehicle in parallelism with each other, stub shafts secured to the shield and extending through the slots, rollers journaled on the stub shafts and mounted in the tracks for slidable movement of the shield into and out of shielding position with respect to a glass closure of the vehicle, spring means for urging and holding the shield into shielding position, and spring pressed automatically actuated latching means arranged in the path of certain of the stub shafts to receive the same for holding the shield out of shielding position.

2,180,913
COALING STATION
Barton S. Snow, Wheaton, Ill., assignor to T. W. Snow Construction Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1938, Serial No. 199,981
11 Claims. (Cl. 193—16)



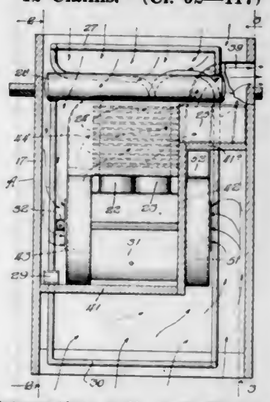
2. In combination, a receptacle having an outlet, a chute communicating with said outlet and mounted for lateral swinging movement, and counterbalancing means for said chute comprising arms located above said chute and extending generally lengthwise of said chute at opposite sides of the center line of said chute and pivotally supported to swing with said chute, a brace bar flexibly connected with said arms outwardly beyond the points at which said bars are pivotally supported, and means engaging said arms outwardly beyond their points of pivotal support and also engaging said chute and exerting upward force against said chute.

2,180,914
POCKET CONSTRUCTION
Herman A. Speh, Binghamton, N. Y.; Hazel C. Speh, executrix of Herman A. Speh, deceased, assignor to The Drybak Corporation, Binghamton, N. Y., a corporation of New York
Application January 28, 1937, Serial No. 122,843
4 Claims. (Cl. 2—247)



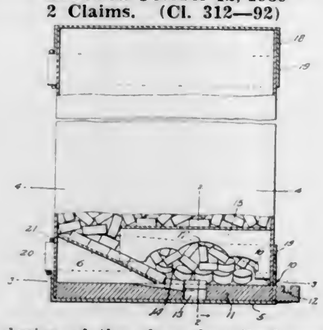
1. A combination pocket construction for a coat comprising an outer pocket, a piece of cloth extending over the top of the outer pocket and having its upper edge attached to the coat at a point above the mouth of the outer pocket, a second piece of cloth attached to the lower edge of the first piece, said last piece of cloth being attached at its upper portion to the coat above the point of attachment of the first piece to the coat, and an entrance slit between said piece and the coat whereby a pocket is formed which in part acts as a flap for the first-named pocket.

2,180,915
REFRIGERATING UNIT
Harry Y. Stebbins, Los Angeles, Calif., assignor to General American Precooling Corporation, Chicago, Ill., a corporation of Delaware
Application September 23, 1937, Serial No. 165,397
12 Claims. (Cl. 62—117)



1. A refrigerating unit, including: a casing; a substantially horizontal partition in said casing; a cylindrical compressor, condenser and evaporator in the casing connected in a refrigeration circuit, the condenser and the cylinder of the compressor being above the partition and the evaporator below, a refrigerant in said circuit; an internal combustion motor, with a cylinder, in the casing, connected to the compressor, the cylinder being above the partition; a common crank shaft for the motor and compressor; means for circulating air above the partition around the condenser, compressor cylinder and motor cylinder; and means for circulating air below the partition around the evaporator; one of the air circulating means including an air circulating flywheel on one end of the crank shaft, and the other air circulating means being driven from the other end of the crank shaft.

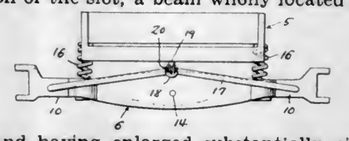
2,180,916
DISPENSING CARTON
George H. Steuernagel, Harold W. Gauch, and Ray R. Gauch, Belleville, Ill.
Application October 15, 1937, Serial No. 169,320
Renewed October 12, 1939
2 Claims. (Cl. 312—92)



1. A device of the class described comprising a container having an opening in the lower end of a side portion thereof, a member passing through the opening and slidably arranged on the bottom of the container, said member having a vertically arranged opening therein and a groove extending rearwardly from the opening, the bottom of the groove sloping downwardly to the opening, the groove entering the opening at an intermediate point in the length of the opening, a deflector member in the lower part of the container and supported from wall portions thereof, said deflector member having an opening therein extending from the approximate center of the member through an edge thereof, flanges formed on the member at the side walls of the opening and extending downwardly into engagement with the side edges of the sliding member, the forward portion of the sliding member being exposed by the opening in the deflector member, said deflector member sloping upwardly and outwardly from the sides and rear end walls of the opening to the side walls of the container and an elongated ridge forming member in the lower part of the container and supported from the deflector member, the said ridge forming member extending over and spaced above the opening in the deflector member and having openings in its side part for permitting the contents of the container to move down the deflector member to the exposed part of the sliding member.

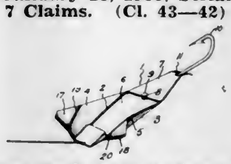
2,180,917
RUNNING GEAR FOR MOTOR VEHICLES
Orey C. Terrell, Attica, Kans.
Application September 22, 1938, Serial No. 231,272
1 Claim. (Cl. 280—112)

In a vehicle including a frame, an axle having a longitudinally extending slot therein, the ends of which terminate in substantially circular openings which are spaced inwardly from the ends of the axle, said slot and openings passing through the upper and lower edges of the axle, a bridge piece connected with the top of the axle at the center thereof and bridging the central portion of the slot, a beam wholly located in the



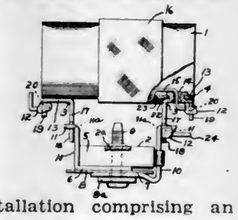
slot and having enlarged substantially circular ends which are located in the openings at the ends of the slot, a pivot member passing through the transverse centers of the axle and beam, the circular ends of the beam having spring seats in their upper ends and coiled springs resting on said seats and engaging under portions of the frame.

2,180,918
FISH LURE
Linus A. Verzi, Arlington, Va., assignor of one-half to Emery N. Hosmer, Arlington County, Va.
Application January 13, 1938, Serial No. 184,865
7 Claims. (Cl. 43—42)



1. A fish lure made from a piece of sheet material having approximately the form of an isosceles triangle and having its base to the front, said lure comprising a body which is of trapezoidal form and which extends from the front of the lure to the rear for a distance approximately half the length of the lure, wings extending divergently upward from said body on each side thereof, a tail adjacent to and inclining slightly downward from said body, the length of said tail being approximately half the length of the lure, a hook carried by said lure, and means at the forward part of said body for defining two water jets so deflected as to meet above said lure whereby the velocity of one jet is checked by the other, creating a force component which presses downwardly upon said body, stablizing said lure.

2,180,919
SOLDERING LUG AND SOLDERING LUG INSTALLATION
Esson J. Pool, Elmhurst, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application January 7, 1938, Serial No. 183,885
4 Claims. (Cl. 113—111)



1. An installation comprising an apertured

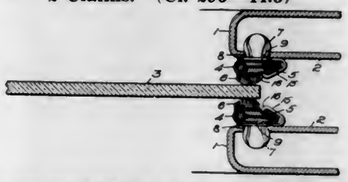
supporting structure, a coil form in attachment with said supporting structure and a one-piece bracket secured to said coil form, said bracket having a flat portion, a tubular rivet extending from said flat portion and engaging said coil form to secure it to said bracket, a wire-receiving portion at one end extending in angular relation to said flat portion whereby a wire may be secured thereto, and a yieldable fastener portion at an opposite end of said flat portion from said wire-receiving portion, said fastener portion having a pair of yieldable legs engaging said supporting structure through said aperture whereby said coil form is secured to said support.

2,180,920

WINDOW STRIP INSTALLATION AND FASTENER FOR THE SAME

Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application December 14, 1935, Serial No. 54,493
2 Claims. (Cl. 296—44.5)



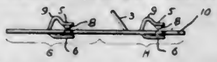
1. In an installation of the class described, a support having an aperture therethrough, a narrow flexible strip superposed upon said support, a sheet metal clip, said clip having a base portion located between the support and the strip, a resilient snap fastening means extending from one side of said base portion through the aperture in said support and secured in snap fastening engagement with said support, and a hook-shaped arm connected to said base portion at one end thereof and extending over the edge and one face of said strip and being clamped against that face of said strip with the hook end embedded into the material of the strip to hold said strip securely in position relative to said support.

2,180,921

ELECTRICAL CONTACT MEMBER AND METHOD OF MAKING SAME

Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application January 22, 1937, Serial No. 121,859
8 Claims. (Cl. 29—155.55)



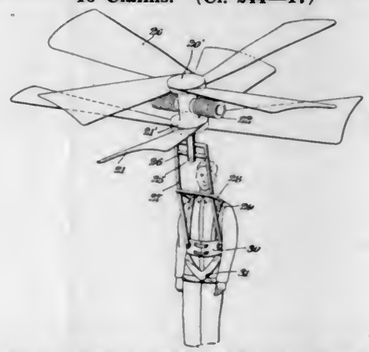
1. A contact terminal for an electric switch, said terminal having a tail at one end for receiving a wire, a pair of spring arms at the other end adapted to receive a contact member between them, said arms each having a projecting portion near their free ends for engaging opposite sides of said contact member, and an attaching portion intermediate said tail and said arms for securing said terminal to a support, one of said arms formed of material struck from within the free edges of the other of said arms, said last-mentioned arm having a fold extending transversely of the direction in which said arm extends for foreshortening said arm, and said projections being normally in substantially superposed close relation.

2,180,922

HELICOPTER DEVICE

George de Bothezat, New York, N. Y., assignor to Helicopter Corporation of America, Long Island City, N. Y., a corporation of New York

Application July 24, 1936, Serial No. 92,307
16 Claims. (Cl. 244—17)



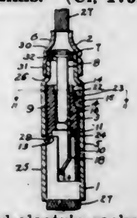
1. In a machine of the helicopter type a plurality of lifting screws, the torques of which balance, a gasoline engine for driving said screws, and carrying means having a frame structure connected to support said engine and screws above the operator and leaving the operator's legs free to walk, run and the like and to act as landing gear while carrying said machine, said frame structure including two members extending from the engine and screws above the operator down along either side of the operator, and also including means for fastening both of said members to the body of said operator.

2,180,923

ELECTRICAL PLUG AND SOCKET CONNECTION

Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application May 15, 1937, Serial No. 142,857
4 Claims. (Cl. 173—363)



1. In a shielded electric socket device, the combination of an insulating retainer part having a tubular portion open at both ends, a contact member seated within said tubular portion, said contact member comprising a prong-receiving portion positioned within the tubular retainer portion, an integral hook-shaped portion in engagement with the material at one end of the tubular retainer portion, a wire-receiving terminal extending from an opposite end of the prong-receiving portion, a resilient tongue member formed as a part of said wire-receiving terminal and presenting a shoulder engaging a shouldered portion of said retainer, and a hollow metal shield assembled with the retainer and enclosing the same, and snap fastener means on said shield engaging said retainer part for holding said parts securely together.

2,180,924

RUBBER FOOTWEAR

Ernest W. Dunbar, Hudson, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts

Application February 24, 1937, Serial No. 127,426
4 Claims. (Cl. 36—14)



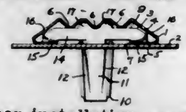
1. A shoe comprising an upper, an insole, and a rubber tread member united thereto, a high percentage of the volume of said tread member consisting of a layer of sisal fibers loosely matted together but secured to each other by a flexible binder, the proportions of said binder being so limited that said layer maintains a relatively thick body of air under the foot, and a rubber connection between the tread member and the shoe upper.

2,180,925

FASTENER MEMBER

Didrick Dyresen, Billerica, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application October 9, 1937, Serial No. 168,244
4 Claims. (Cl. 189—88)



1. A fastener installation comprising, in combination, a hollow part having an elongated opening in an inner side thereof and a fastener member rotatably secured to said part through the opening of said inner side, said fastener member having a base seated within said hollow part and yieldable legs extending through said opening and having means for attaching the part to a support, said base comprising a pair of substantially vertical arms having laterally-extending horizontal attaching portions, a spring means forming a part of said fastener member and normally maintaining said arms in spaced relation, said arms being disposed within said hollow part in transverse relation to the major axis of said opening, and said attaching portions being in spring engagement with the material of said inner side of said hollow part adjacent said opening to secure said fastener member to said hollow part.

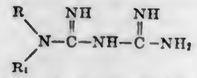
2,180,926

SUBSTITUTED BIGUANIDES AS FLOTATION REAGENTS

David Walker Jayne, Jr., Old Greenwich, and Arvid Emil Anderson, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 19, 1938, Serial No. 241,394
6 Claims. (Cl. 209—166)

1. A method of froth flotation which comprises subjecting an aqueous pulp of a metalliferous mineral to froth flotation in the presence of a reagent included in the group consisting of substituted biguanides having the following formula:



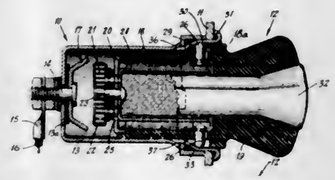
in which R and R_1 are members of the group including hydrogen, alkyl radicals and aryl radicals, their acid salts, and their aldehyde condensation products.

2,180,927

CIGAR LIGHTER

Arthur A. Johnson, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut

Application December 5, 1936, Serial No. 114,355
15 Claims. (Cl. 219—32)



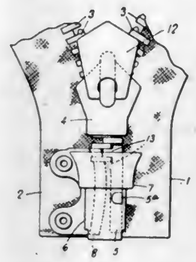
6. In a cigar lighter, a substantially tubular holding device presenting a well-like cavity; an igniting unit in the form of a plug supported in the cavity of the holding device and completely removable therefrom for use, said unit being movable to different positions in said cavity; a heating element carried by the igniting unit; a ridge on the side wall of the cavity; means carried by the igniting unit and including a member depressed when engaged by said ridge; and means responsive to the depression of said member for controlling a circuit through the heating element when the igniting unit is moved in the cavity from one position to another.

2,180,928

SLIDING CLASP FASTENER

John Henry Kohler, Nottingham, England, assignor to Carr Fastener Company Limited, Stapleford, England

Application February 9, 1938, Serial No. 189,621
In Great Britain February 19, 1937
1 Claim. (Cl. 24—205)

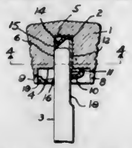


A sliding clasp fastener having a pair of stringers with inter-engaging fasteners carried thereby, a slider for engaging and disengaging the fasteners, a box-like member positioned on one of said stringers, a terminal member on the other stringer engageable with the box-like portion through said slider and a channel in one face of said box-like member, a rib on the slider engageable with said channel to position the parts relative to each other prior to engagement of the terminal member in said box-like member and a fastener element within the box-like member cooperating with a fastener on the terminal member when said terminal member is fully engaged in said box-like member.

2,180,929
KNOB FASTENING INSTALLATION AND KNOB FASTENER

Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application September 4, 1937, Serial No. 162,546
4 Claims. (Cl. 287—53)

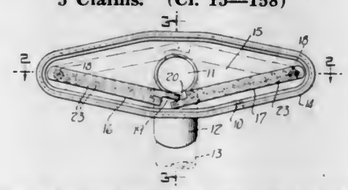


4. The combination with a shaft and an article of manufacture having a bore of a fastener member having a resilient tongue portion at one end seated within said bore near its innermost end and engaging material of said article adjacent said bore at an angle of less than 90° to the axis of the bore, shaft-engaging means at the other end and attaching means providing the only means connecting said tongue portion and said shaft-engaging means, said attaching means having a projecting means engaging the material of said article adjacent said bore and cooperating with said tongue portion to secure said fastener firmly to said article.

2,180,930
VACUUM CLEANER

Rasmus Peder Mortensen, Copenhagen, Denmark, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application January 10, 1938, Serial No. 184,195
In Germany January 11, 1937
5 Claims. (Cl. 15—158)



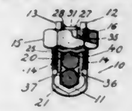
1. In a suction nozzle for cleaning a surface, a hollow body formed with a suction intake opening, a brush member including a rigid back carrying brush bristles, and means pivotally mounting said brush member about an axis at right angles to the plane of said opening and within said hollow body with said bristles projecting through said opening, said pivotal means being located closer to one end of said brush member than to the other, whereby said brush member is pivoted within said body about said axis as the nozzle is moved back and forth over the surface.

2,180,931
CONNECTOR WITH REINFORCING FOLLOWER

Julian Rogoff, New York, N. Y., assignor to Burndy Engineering Co. Inc., a corporation of New York

Application June 16, 1937, Serial No. 148,490
6 Claims. (Cl. 24—243)

4. A connector for electrical conductors, comprising a slotted threaded bolt having two parallel faces in said slot; a nut for threaded engagement with said bolt; a follower made entirely of sheets metal having a conductor supporting face and two sheet metal side walls, the faces of which are the rolled surfaces of the sheet metal, for slidable engagement with the two parallel faces in the slot of said bolt, the two side walls and the conductor supporting means made of a single



piece of sheet metal; and reinforcing means between the two sheet metal walls for preventing their collapse under pressure from the slotted bolt.

2,180,932
FLAVORING SOLUTION

Frits E. Stockelbach, Verona, N. J.

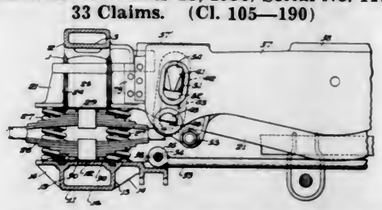
No Drawing. Application June 30, 1939, Serial No. 282,074
8 Claims. (Cl. 99—140)

1. A flavoring means comprising an aromatic substance dissolved in ethyl glycerine.

2,180,933
RAILWAY TRUCK

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application November 18, 1936, Serial No. 111,511
33 Claims. (Cl. 105—190)



2. In a car truck, the combination with a side frame having tension and compression members and interposed struts forming a bolster opening, of a two-part bolster, one portion of which extends between said bolster guide columns and is slidably supported therein by a nest of springs carried by said side frame, said other portion comprising a car-body-supporting portion, said last-named portion terminating short of said side frame and swingably supported from said first-named portion by a plurality of pairs of links, each pair of links being interposed between side walls of said portions and rockably and rotatably mounted on said spring-supported portion of the bolster.

2,180,934
MOLDED PRODUCT

Harry M. Dent, Buffalo, and Arthur J. Norton, North Tonawanda, N. Y., assignors to General Plastics, Inc., North Tonawanda, N. Y.

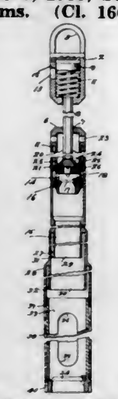
No Drawing. Application March 19, 1935, Serial No. 11,844
2 Claims. (Cl. 154—43)

1. A molded article comprising two exterior surface strengthened faces and a core, said faces comprising a filler of fibrous sheet material included within hardened phenolic resin, said core comprising a hardened phenolic resin and powdered filler uniformly distributed therethrough, the surface strengthened faces containing about 60 to 65% resin, the core containing about 15 to 20% resin.

2,180,935
WELL BAILER

William H. Dumble, Bakersfield, Calif., assignor to Paul Cavins, Long Beach, Calif.

Application June 7, 1938, Serial No. 212,249
8 Claims. (Cl. 166—19)



1. A bailer body having a lifting plunger with a peripheral packer, a chamber part in which the plunger packer is slidable on down stroke of the plunger, a constricted upper body part open at its top to the well hole, and said plunger having a valve for air flow to the said upper part and having packing to seal on said upper part when the plunger is pulled from the chamber to lift the bailer.

2,180,936
RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER

Raymond F. Dunbrook, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application July 1, 1938, Serial No. 217,051
18 Claims. (Cl. 260—809)

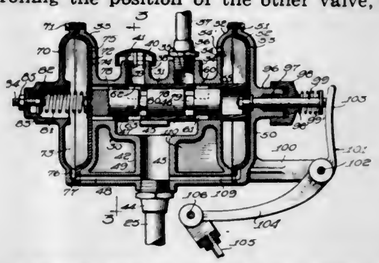
1. The method of retarding the deterioration of rubber which comprises treating rubber with an amine selected from the group consisting of the product of the reaction of a terpene hydrocarbon with a secondary aryl amine and the product of the reaction of a hydroxy derivative of a terpene hydrocarbon with an amine selected from the group consisting of primary and secondary aryl amines.

2,180,937
VEHICLE BRAKE MECHANISM

Edward G. Hill, Richmond, Va., assignor to Hill Engineering Corporation, Richmond, Va., a corporation of Virginia

Application June 17, 1935, Serial No. 27,068
10 Claims. (Cl. 303—54)

1. Control valve mechanism for a differential pressure operated motor comprising a valve casing having a passage communicating with the motor and having a pair of ports communicating with sources of fluid at different pressures, a pair of valves in said casing for controlling communicating between said passage and said pair of ports, each of said valves having a pair of spaced ports with the ports of one valve arranged closer together than the ports of the other valve, the remote limits of the ports of said first named valve being spaced apart a distance slightly greater than the inner limits of the ports of the other valve, means for manually moving one of said valves, and fluid pressure operated means for controlling the position of the other valve, said

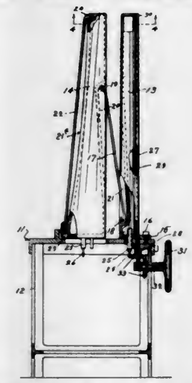


fluid pressure operated means being responsive to pressures in said passage.

2,180,938
METHOD OF AND APPARATUS FOR PRESSING TUBULAR GARMENT ELEMENTS

John H. Leef, Minneapolis, Minn., assignor to Leef Bros. Inc., Minneapolis, Minn., a corporation of Minnesota

Application September 7, 1937, Serial No. 162,585
16 Claims. (Cl. 223—73)



1. The method of pressing tubular garment elements which consist in placing a moistened tubular garment element telescopically over a heated form, the circumference of which is less than that of the tubular garment element at all points engaged by the latter, drawing a longitudinally extended circumferentially incomplete portion of the tubular garment element taut over the heated surfaces of said form, and after said form engaged portions of the tubular element are dried and pressed, rotating said tubular garment element with respect to the pressing surfaces of said form to bring undried and unpressed portions of garment element into engagement with the heated pressing surfaces of the form.

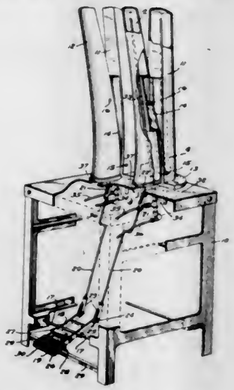
2,180,939
GARMENT LEG AND SLEEVE IRONER

John H. Leef, Minneapolis, Minn.

Application May 31, 1938, Serial No. 210,950
3 Claims. (Cl. 223—73)

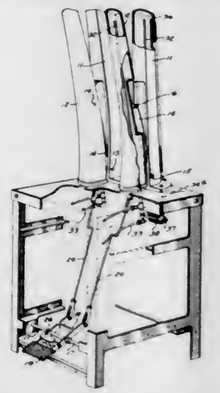
1. In a device of the kind described, a pair of fixed boots, a pair of co-operating relatively movable boots, a foot pedal, individual links independently pivoted to their respective moveable boots at their upper ends and at their lower ends having slip-acting slot and pin connections to

said pedal, pressure on the pedal serving to force the relatively movable boots toward the relatively fixed boots and said slot and pin connections



permitting variations in the extent of movement of the movable boots in respect to said fixed boots.

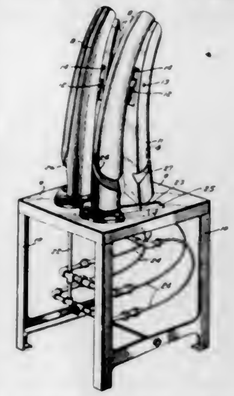
2,180,940
APPARATUS FOR PRESSING TUBULAR GARMENT ELEMENTS
John H. Leef, Minneapolis, Minn.
Application May 31, 1938, Serial No. 210,951
17 Claims. (Cl. 223—73)



1. In an ironing device, a base support, a pair of ironing devices each comprising a boot fixed to said base support and a cooperating relatively movable boot, said fixed boots having external longitudinal grooves, feed rollers located in said grooves and journalled in respect to said fixed shoes, said feed rollers having extended shafts connected for simultaneous rotation and manually controlled power means for simultaneously rotating said two shafts and the respective feed rollers.

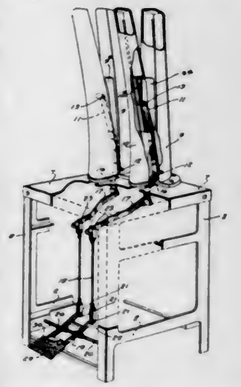
2,180,941
GARMENT LEG IRONER
John H. Leef, Minneapolis, Minn.
Application July 14, 1938, Serial No. 219,148
2 Claims. (Cl. 223—73)

1. In an ironing apparatus, an ironing device involving co-operating boots, the one being movable toward and from the other, said boots in their sides having co-incident aligned channels



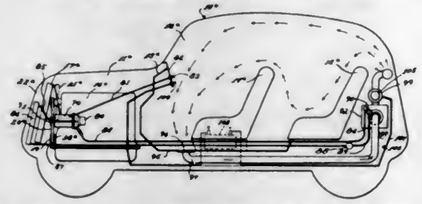
formed with rounded surfaces adapted to enter and press out the shoulders of a garment sleeve or the like telescoped over the said two co-operating boots.

2,180,942
GARMENT SLEEVE IRONER
John H. Leef, Minneapolis, Minn.
Application November 3, 1938, Serial No. 238,606
2 Claims. (Cl. 223—73)



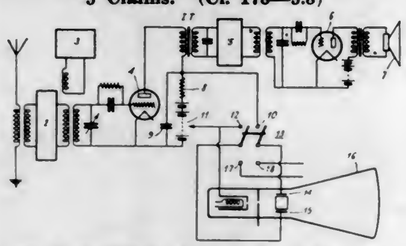
1. In a device of the kind described, a supporting frame, a pair of fixed boots mounted on said frame, relatively movable boots cooperating with said fixed boots, links independently pivoted to said fixed boots at the lower ends and independently pivoted to said movable boots at their upper ends, said links having laterally projecting arms, a foot pedal pivotally mounted on said supporting frame, and connecting rods independently connecting said foot pedal to the arms of said links, and in which structure the lower ends of said connecting rods are independently connected to said foot pedal by slot and pin slip acting connections that operate positively to force the respective movable boots toward the fixed boots but slip to permit differential movements of the two movable boots away from their cooperating fixed boots.

2,180,943
AIR CONDITIONING SYSTEM FOR AUTOMOBILES
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application November 13, 1935, Serial No. 49,502
9 Claims. (Cl. 62—117)



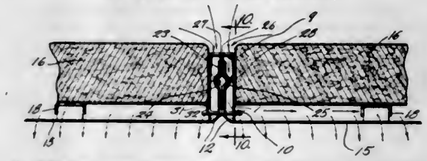
7. The combination with an automobile having a passenger compartment enclosing a front and rear seat and having a roof with a rear portion thereof curving downwardly over the rear seat; of a casing positioned between said rear seat and the rear of said compartment; an evaporator located in said casing, a compressor and condenser located in the engine compartment of said automobile for supplying liquid refrigerant to said evaporator; said casing having an air inlet arranged to receive air from the bottom portion of said compartment and an air outlet arranged to direct air toward the upper part of the rear of said compartment and at an angle against the inner surface of the rear portion of said roof; and a fan arranged in said casing to draw air through said evaporator; said casing and fan being adapted to cooperate with said roof to direct a circulation of air into said compartment and across the top of said rear seat.

2,180,944
TELEVISION AND LIKE RECEIVER
Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application January 22, 1936, Serial No. 60,162
In Great Britain March 11, 1935
5 Claims. (Cl. 178—5.8)



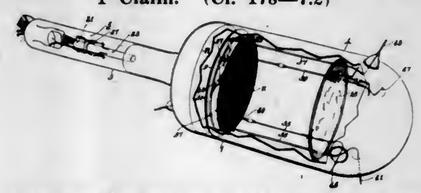
1. In a television apparatus, means for receiving separate image and sound signals on related carrier waves, means for simultaneously tuning the receiver to both carriers, means for separating the sound signals from the image signals, a cathode ray tube having means therein for developing a cathode ray beam and a target area upon which the developed beam produces luminous effects, means for controlling the intensity of the developed cathode ray beam in accordance with the received image signals, means for causing a traversal of the controlled cathode ray beam across the target area in two mutually perpendicular directions according to a pre-established pattern of traversal to produce on the target area indications of the received image signal intensity, means for deflecting the developed cathode ray beam in only one of the two directions of deflection in accordance with the tuning of the received sound signals to indicate proper tuning of the image and sound signals, and a switching means for selecting in one position the reproduction of image signals on the target area and in a second position an indication of the tuning of the receiver.

2,180,945
VENTILATING CONSTRUCTION
Roger G. Morey, Madison, Wis., assignor to Burgess Battery Company, Chicago, Ill., a corporation of Wisconsin
Application August 1, 1936, Serial No. 93,798
16 Claims. (Cl. 98—33)



1. Means for uniformly distributing ventilating air as it enters a room comprising a plenum chamber, a plurality of sheet-form, substantially air-impervious panels arranged edge-to-edge to form a partition between said chamber and the room to be ventilated, and a plurality of air flow regulating members inserted between abutting edges of adjacent panels to form defined passageways for the flow of air therethrough, the total open area of said regulating members bearing such relation to the volume of ventilating air supplied to said plenum chamber that a low but appreciable pressure is maintained therein, whereby to cause uniformity of air flow through substantially all of said regulating members.

2,180,946
TELEVISION TRANSMITTING TUBE
George A. Morton, Haddon Heights, N. J., and Arthur W. Vance, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application January 30, 1935, Serial No. 4,024
1 Claim. (Cl. 178—7.2)



Apparatus for television and the like including light responsive means for translating an optical image into an electrical current image, means for generating a substantially concentrated beam of electrons, a mosaic electrode positioned between said first named means and said beam generating means, a planar electron permeable mosaic electrode positioned between said first named means and said mosaic electrode, means for applying potential to the mosaic electrode which is positive relative to both the light responsive means and the beam generating means for accelerating the electrons forming the current image in a substantially direct path toward the mosaic whereby the said electrons may be caused

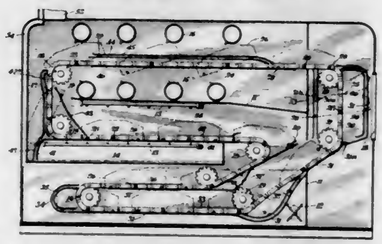
to impact one side of the mosaic electrode, means including a secondary emissive layer on said one side of said mosaic electrode for producing secondary electrons in response to bombardment by the electrons of the current image whereby the current image is converted into an intensified electrostatic image, auxiliary means for maintaining the current image in substantially constant spatial focus, means for scanning by the concentrated electron beam that side of the mosaic remote from the secondary electron emissive layer to develop thereby a series of picture signals of intensity proportional to the electrostatic charge image existing on the mosaic electrode, and a load circuit responsive to the developed picture signals.

2,180,947

AUTOMATIC WASHING MACHINE

Harold H. Ball, New Brunswick, N. J., assignor to Industrial Washing Machine Corporation, New Brunswick, N. J., a corporation of New Jersey

Application August 10, 1938, Serial No. 224,033
13 Claims. (Cl. 141—1)



1. A pan washing machine comprising a casing having a single opening for insertion and removal of pans, a soaking tank in said casing, a horizontally arranged rinsing means above said tank, a horizontally arranged drying means above said rinsing means, partitions between said tank and rinsing means and between said rinsing means and drying means, an endless conveyor passing from said opening twice through said tank at different levels in superposed relation, said rinsing means, said drying means and back to said opening, reticulate baskets pivotally attached to said conveyor at points below their center of gravity and in which said pans are arranged in inverted position, and co-operating means on said basket and casing wall for rotating said baskets relative to said conveyor to maintain said pans in inverted position during the passage thereof through said tank, rinsing means and drying means.

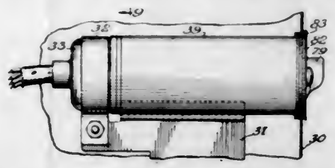
2,180,948

SEQUENTIAL CONTROLLER

Rex Earl Bassett, Jr., Detroit, Mich., assignor, by mesne assignments, to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware

Application May 8, 1936, Serial No. 78,635
13 Claims. (Cl. 200—92)

1. In a sequential controller, in combination, electric controlling mechanism, a shaft connected therewith and extending therefrom, a drive shaft adjacent the first-named shaft and substantially transverse thereto, a driving means mounted on the drive shaft, means for transmitting power from the drive shaft to the controlling mechanism, a common demountable support for the drive shaft and controlling mechanism, a set of connectors connected with the controlling mechanism, mounted on the opposite side



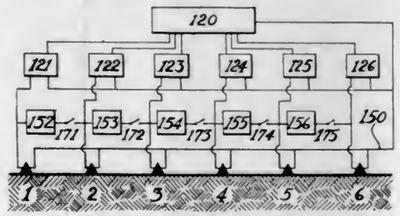
of the support from the dial shaft, and a set of fixed connectors for registry with the other connectors.

2,180,949

FEEDOVER DEVICE

Ludwig W. Blau, Whitman D. Mounce, and William M. Rust, Jr., Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

Application July 11, 1936, Serial No. 90,072
7 Claims. (Cl. 181—0.5)



1. In a method of recording seismic vibrations in which the vibrations are received at a plurality of detectors, converted into pulsations of electrical energy and the pulsations so obtained are recorded, the steps of passing the pulsations generated by the several detectors directly to individual recorders until the first vibrations arriving at the several detectors are recorded, and thereafter passing the electrical pulsations resulting from the arriving vibrations at the several detectors through connected electrical impedances before transmitting them to the recording means.

2,180,950

GUIDED WAVE TRANSMISSION

Arnold E. Bowen, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 30, 1937, Serial No. 133,810
36 Claims. (Cl. 178—44)



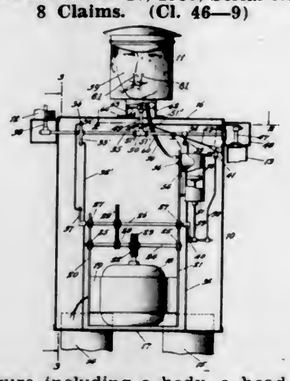
1. In a dielectric wave guide system comprising a wave guide and a generator of dielectrically guided waves of a definite type associated therewith, the method of converting from the incident type of wave to another type which consists in introducing in the wave path a generator excited by the incident wave to produce a plurality of new types of waves, combining the incident wave and the newly generated waves and transmitting the resultant.

2,180,951

AUTOMATON MERCHANDISING DEVICE

Frank L. Dale, New York, N. Y., assignor to Mechanical Man, Inc., New York, N. Y., a corporation of New York

Application December 17, 1938, Serial No. 246,322
8 Claims. (Cl. 46—9)



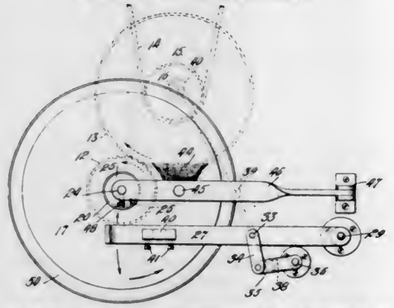
2. A figure including a body, a head, an arm pivoted to one shoulder and oscillatable on a vertical axis, and motor-actuated means for operating said arm.

2,180,952

APPARATUS FOR SHARPENING KNIFE-EDGES

John Gattoni, Union City, N. J., assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J., a corporation of New Jersey

Application February 10, 1938, Serial No. 189,722
6 Claims. (Cl. 51—124)



1. Apparatus for sharpening knife-edges comprising a rotatable horizontal plate, a carrier for holding the knife-edge in engagement with said plate, a cylindrical container for the grinding material secured to the top of said plate and having its axis coinciding with that of the plate, and a fixed disc in the bottom of said container, said disc having a notch in its periphery and said container having an opening opposite the periphery of said disc whereby an intermittent feed of the grinding material to said plate is obtained.

2,180,953

PREPARATION OF AROMATIC ESTERS

Anthony H. Gleason, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 1, 1937,
Serial No. 134,303
8 Claims. (Cl. 260—483)

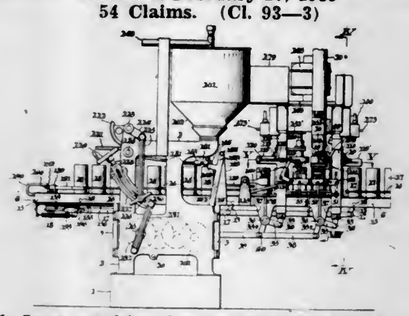
1. The method of preparing aromatic esters which comprises reacting aromatic hydroxy compounds with a ketene polymer in the presence of an inert diluent and a small amount of an esterification catalyst.

2,180,954

MACHINE FOR MAKING, FILLING, AND SEALING CONTAINERS

John K. M. Harrison, Ogontz, Pa.

Application October 11, 1937, Serial No. 168,345
Renewed February 17, 1939
54 Claims. (Cl. 93—3)



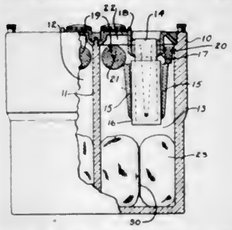
1. In a machine for treating preformed container body-shells, filling and sealing the same, the combination of a shell receiving and intermittently-progressing mechanism; means for feeding end closure elements to the body shells; a main and an auxiliary elevators interposed in the path of, and coactive with, the progressing mechanism; individual devices for simultaneously heating and chamfering the body-shell ends, other devices for applying and sealing bottom and top end closures to the body-shell with an intervening device for filling the containers; mechanism coordinatively actuating all of said devices in timed relation; and means for automatically stopping the machine in the event of any obstructive tendency arising.

2,180,955

PRIMARY BATTERY

George W. Heise, Rocky River, and Erwin A. Schumacher, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Continuation of application Serial No. 740,215, August 17, 1934. This application November 12, 1938, Serial No. 239,950
28 Claims. (Cl. 136—114)

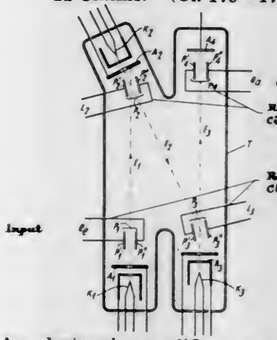


1. In a primary battery of the type having a liquid electrolyte that tends to become exhausted by substances formed therein during the action of the battery; an electrolyte-forming solid material within said battery; a mass of material within said battery for removing said substances from solution comprising a mixture of a reactant, an extender, and a binder of said electrolyte-forming material.

2,180,956
ELECTRIC CONTACTING ELEMENT
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application September 29, 1937, Serial No. 166,371
1 Claim. (Cl. 200—166)

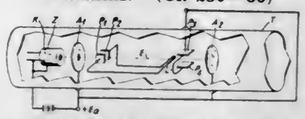
An electric contacting element formed of a metal composition consisting of 50 to 99% of at least one of the nitrides selected from the group consisting of nitrides of titanium, zirconium, hafnium, vanadium, columbium and tantalum, and 1 to 50% of lower melting point metal selected from the group consisting of silver, copper and gold and alloys consisting predominantly of said metal.

2,180,957
ELECTRONIC DEVICE
Hans E. Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 14, 1937, Serial No. 136,745
In Germany April 6, 1936
11 Claims. (Cl. 179—171)



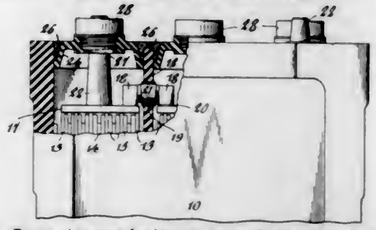
10. An electronic amplifier comprising means for producing displacement currents by an electrical signal controlled beam of electrons, and means for controlling a beam of electrons by the produced displacement currents.

2,180,958
ELECTRONIC SYSTEM
Hans E. Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 19, 1937, Serial No. 137,689
In Germany April 14, 1936
3 Claims. (Cl. 250—36)



1. In a cathode ray tube wherein is provided means to produce an electron beam, an anode, a pair of opposed electrodes between said beam producing means and anode, and a single inductance loop only connecting said opposed electrodes, the method of producing oscillations which comprises the steps of projecting an electron beam from said beam producing means onto said anode, deflecting said beam between said electrodes with sufficient amplitude to pass the beam beyond the ends thereof to thereby produce currents by induced charges on said electrodes, and feeding back a portion of said produced currents from said one inductance loop to further deflect said beam.

2,180,959
STORAGE BATTERY CONSTRUCTION
Mark A. Hopkins, Indianapolis, Ind., assignor to Prest-O-Lite Storage Battery Corporation, Speedway, Ind., a corporation of Indiana
Application January 17, 1936, Serial No. 59,588
2 Claims. (Cl. 136—134)



1. In a storage battery, a container, an insulating partition dividing said container into cells, an electrical conductor tapered at both ends and having a central cylindrical portion passing through said insulating partition, and a resilient impervious laterally compressed sleeve interposed between said central cylindrical portion of said conductor and said partition.

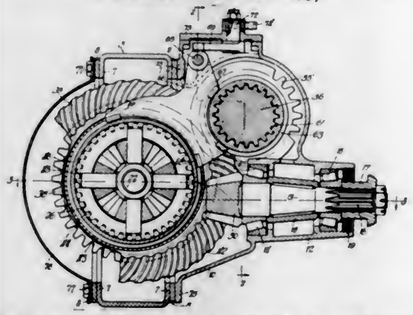
2,180,960
NIPPLE STRUCTURE
Benjamin H. Kennedy, Pittsford, N. Y.
Application July 26, 1938, Serial No. 221,380
3 Claims. (Cl. 285—30)

1. A nipple structure for liquid receptacles having an opening in a wall thereof, said nipple structure including a tubular shank extending through said opening, a head at one end of said shank engaging the wall of the receptacle, a peripheral bead on said shank adjacent said head, and an apertured member of rubber-like material having a flat face disposed substantially perpendicular to the axis of said aperture, said member embracing the shank and compressed between the bead and the head with the said face disposed against the receptacle wall to resiliently clamp and seal the said wall between the head and apertured member.

2,180,961
PRODUCTION OF WATER-SOLUBLE TITANIUM COMPOUNDS
Edward N. Kramer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 7, 1938, Serial No. 233,747
6 Claims. (Cl. 75—115)

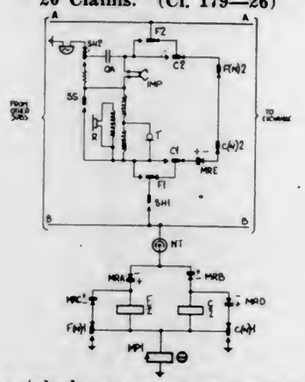
1. A process for producing solubilized titanium values, comprising subjecting a residual titanium-containing product from the clarification stage of a titanium oxide producing operation to treatment with sulfuric acid at such strength as to substantially completely convert the titanium content of said residue to sulfated condition, and utilizing the resultant acid-titanium sulfate mixture in effecting solubilization of a titaniferous ore through acid attack.

2,180,962
DRIVE AXLE ASSEMBLY
Donald D. Ormsby, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application April 27, 1936, Serial No. 76,501
7 Claims. (Cl. 74—326)



1. In combination, a drive shaft, a differential disposed for rotation about the axis normal thereto, the axis of the drive shaft being disposed above the horizontal plane through the differential axis, an intermediate shaft disposed above and normal to the axis of the drive shaft, intermeshing hypoid gear means on said shafts, and means on said intermediate shaft and said differential for selectively varying the driving ratio between said intermediate shaft and said differential, the distance from the point of meshing engagement of said hypoid gear means to the differential axis being substantially less than the sum of the distances from said point to the axis of said intermediate shaft and from said last-named axis to said differential axis.

2,180,963
TELEPHONE SYSTEM
Owen Avis Pearce, Barnston, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application May 20, 1937, Serial No. 143,653
In Great Britain June 15, 1936
20 Claims. (Cl. 179—26)



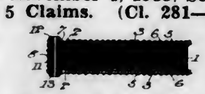
1. In a telephone system, a plurality of stations, a line common to said stations, an exchange at the termination of said line for setting up all connections, each station having an electro-magnetic step-by-step switch and a gas discharge device arranged in a series circuit between one line conductor and earth for completing a connection from the station to the line, the switches of all said stations responsive to high-potential impulses transmitted over said conductor from said exchange.

2,180,964
CONCRETE JOIST FORM AND THE LIKE
Sydney Rogow, Forest Hills, N. Y.
Application March 2, 1937, Serial No. 128,567
12 Claims. (Cl. 25—131.5)



1. A construction of the character described including, in combination, joist planks and soffit boards, a plurality of spaced tapering end metal pans supported by said joist planks, end caps in said end pans, a spreader in each end pan for reinforcing the end pan and end cap in each pan, and metal fishtail members wedged between said end metal pans and resting on said soffit boards, said spreader including a base member, and an upper portion extending from said base member and so formed with respect to said base member as to leave support on the latter for said pan, and said soffit boards extending only for parts of the lengths of said fishtail members.

2,180,965
BOOK
Elbridge W. Palmer and Herman L. Beutler, Kingsport, Tenn., assignors to Kingsport Press, Inc., Kingsport, Tenn., a corporation of Delaware
Application November 4, 1938, Serial No. 238,778
5 Claims. (Cl. 281—21)

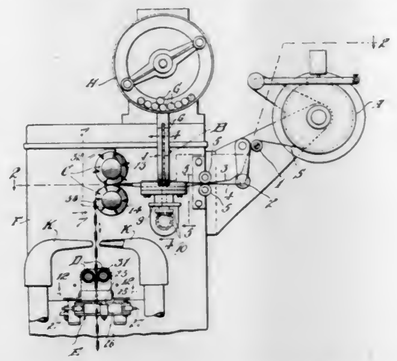


3. In a book, a book body comprising permanently united inner leaves, hinge strips and outer leaves; and a book cover comprising a flexible covering, a back strip, two side boards and two side strips; said covering being adhered to the side boards, the side strips and the back strip; the back edge of the book body being adhered to the back strip; the hinge strips being adhered to the side strips and side boards; and the outer leaves being adhered to the side boards; said book cover and book body having a series of holes cut therethrough, at the side strips; double headed posts passing through said holes for additionally binding the book cover and body together, and stiff reinforcing binding strips located between the heads of the posts and the cover.

2,180,966
METHOD AND APPARATUS FOR PACKAGING ARTICLES
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application November 17, 1938, Serial No. 240,939
21 Claims. (Cl. 93—3)

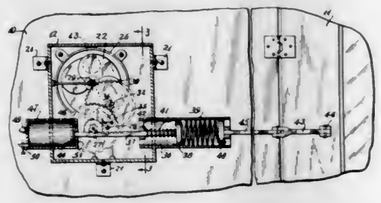
1. The steps in a method of packaging articles,

consisting in continuously feeding layers of packaging material in a horizontal direction and in vertically spaced superposed relation, conveying articles from a point remote from said layers and inserting and releasing the articles in succession between said layers at a certain point in the



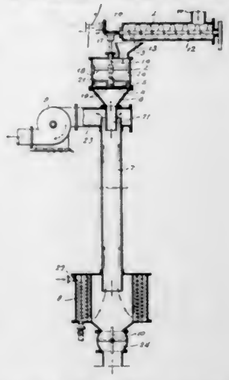
travel of the layers and in a horizontal direction that intersects the direction of movement of said layers with the articles in frictional contact with at least one layer, whereby the articles after insertion and release are moved in succession from said point by and with said layers, and thereafter sealing said layers around said articles.

2,180,967
AUTOMATIC DISINFECTING DEVICE
Margot Strobel, New York, N. Y.
Application March 10, 1939, Serial No. 260,883
8 Claims. (Cl. 21—77)



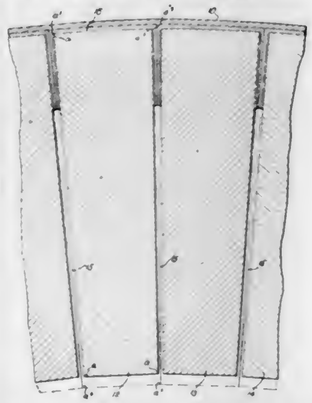
1. In combination with an enclosed space accessible through a closable door, a hollow body having an air inlet and a controlled air discharge, means for chemically treating the air entering said inlet, a fan within said body for drawing air through said inlet and forcing it from said discharge, a transmission speed step up system for driving said fan and including a driver pinion and ratchet to be operative in one direction only, a cylinder extending through said body, a rack meshing with said pinion and connected with a piston slidable in the inner end of said cylinder, a compression spring within said cylinder and connected with said piston, a piston slidable in the outer end of said cylinder and connected with the outer end of said compression spring, means connecting said door and latter piston for compressing said spring when the door is closed and freeing said spring when the door is opened, and means for modulating the speed of inward motion of said rack under the pressure of said compression spring.

2,180,968
PROCESS AND MEANS FOR DRYING STARCH
Helmut Schorn, Dillingen-Saar, and Carl Victor Daumas, Dusseldorf, Germany, assignors to N. V. "Agratherm", Amsterdam, Netherlands, a corporation of the Netherlands
Application September 1, 1936, Serial No. 98,864
3 Claims. (Cl. 34—24)



2. The process of drying starch, which comprises dropping starch particles through a hot gas and simultaneously creating a suction to cause said gas to flow counter-current to the direction of movement of the raw starch.

2,180,969
FURNACE CONSTRUCTION
Gilbert E. Seil, Cynwyd, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware
Application February 15, 1939, Serial No. 256,504
5 Claims. (Cl. 72—101)



1. As an article of manufacture a refractory unit for use in furnace linings which comprises a brick or shape having a portion thereof opposite the face to be exposed to the source of heat of the furnace carrying a cementatory adhering coating, said coating being designed and adapted, after a number of said brick are assembled to form a wall section of refractory lining, to act as spacing material between the brick in a manner to discourage undesired pressure due to thermal expansion, upon the undercut heat exposed end

portions of the brick, while in turn effective to transmit the load pressure directly from brick to brick.

2,180,970
COMBINATION GARMENT
Harry Soldinger, Edgemere, N. Y.
Application April 8, 1939, Serial No. 266,720
5 Claims. (Cl. 2—70)



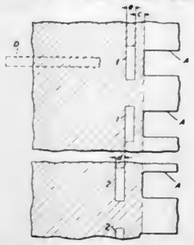
1. A garment comprising, in combination, a jacket, a skirt, a sash, separable elements carried by said jacket and skirt for detachably joining the same to form a full length garment, and other separable elements carried by said sash for connection to the separable elements of said skirt to form therewith a collared cape.

2,180,971
WATERPROOFING COMPOSITION
Arthur F. Taggart, Scarsdale, and Warley L. Parrott, New York, N. Y.
No Drawing. Application April 22, 1937, Serial No. 138,364
4 Claims. (Cl. 134—13)

2. A mobile, liquid, penetrative waterproofing composition that forms upon evaporation of its volatile constituents a fine-grained to glass-like water-repellent film, comprising a normally solid water-repellent crystallizable organic material selected from the group consisting of fats and waxes of organic origin, an evaporating hydrocarbon solvent, and a natural asphalt, mixed in such proportions that upon concentration of the composition said natural asphalt and hydrocarbon solvent will thicken before said crystallizable material beings to precipitate, whereby said natural asphalt arrests the normal crystal growth of the crystallizable material as it precipitates from said solvent, and causes said crystallizable material to precipitate in the form of extremely fine size crystals.

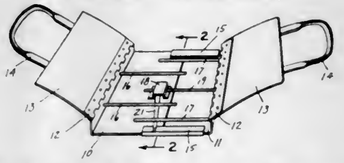
2,180,972
METHOD OF MEASURING THE QUALITY OF AN OPTICAL SLIT
Hans C. Wohlrab, Berlin-Wilmersdorf, Germany, assignor to Klangfilm Gesellschaft mit beschrankter Haftung, Berlin, Germany, a German company
Application April 12, 1938, Serial No. 201,480
In Germany April 29, 1937
3 Claims. (Cl. 179—100.3)

1. The method of determining the uniformity of illumination of a fixed slit in a film sound recording system which comprises illuminating said slit, successively modulating the light at a plurality of transverse elemental areas of the slit



by a sound record of constant frequency and amplitude, translating the record into electrical impulses, and measuring the power of said impulses.

2,180,973
LOCKING DEVICE FOR LOOSE LEAF BINDERS AND THE LIKE
William J. Weatherly, Tampa, Fla.
Application June 23, 1937, Serial No. 149,857
1 Claim. (Cl. 129—13)

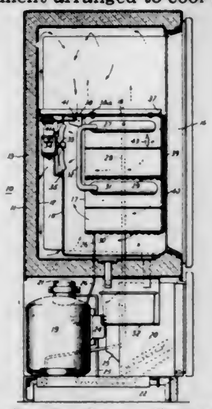


In a loose leaf binder or the like having a pair of relatively movable backing members, a rod secured to one of said members, and a keeper having opposed side walls secured to the other of said members, the combination of a lever having one end positioned between said side walls and the opposite end extending outside of said keeper to a position accessible for manual manipulation, said lever having a close fitting opening through which said rod may pass and having a rounded portion rockingly engaging one of said walls at one side of said rod, and a spring secured to said lever and engaging the other of said side walls and on the opposite side of said rod, said lever and spring being freely insertable and removable between the walls of said keeper as a unit when said rod has been withdrawn, and said spring tending to force said lever into an angular position in which the edges of said opening clamp said rod to prevent relative movement thereof, whereby said lever must be manually moved to a different position to permit such relative movement.

2,180,974
REFRIGERATING MACHINE
Leonard W. Atchison and James L. Fletcher, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 1, 1937, Serial No. 177,520
12 Claims. (Cl. 62—102)

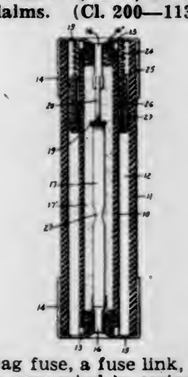
1. A refrigerating machine including a thermally insulated cabinet, means including a liner for providing a food storage compartment within said cabinet, means for circulating air through the interior of said cabinet and over the exterior of said liner, means for dividing into two streams the air circulating through said cabinet, means for reuniting said streams prior to the circulation

of said air over said liner, and means including a cooling element arranged to cool the air in only



one of said streams for cooling said food compartment.

2,180,975
TIME LAG FUSE
George R. Brown, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application December 8, 1938, Serial No. 244,632
6 Claims. (Cl. 200—113)



1. In a time lag fuse, a fuse link, a second fuse link electrically connected in series therewith, a heat storage mass fastened to the connection between said links by a fusible material and being electrically connected in parallel with one of said links, and means normally biasing said mass to break said fastening, said heat storage mass being capable of absorbing heat incident to a partial overload of said links for a predetermined period of time, but being insufficient to absorb said heat upon continued overload whereby said fusible material is melted and said biasing means forces said mass out of electrical connection with said links causing blowing of said one link.

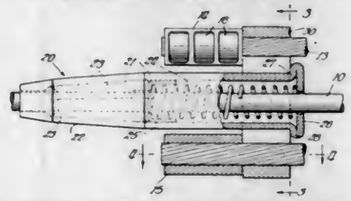
2,180,976
FILM CUT-OUT
Henry E. Butler, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 18, 1936, Serial No. 69,494
12 Claims. (Cl. 200—118)

1. A dielectric film cutout for use with a lamp having a center contact and a shell, comprising a current conducting member coated with a dielectric film, arranged to engage the center contact of a lamp base and to extend over a portion of the shell surface of the said base for establish-



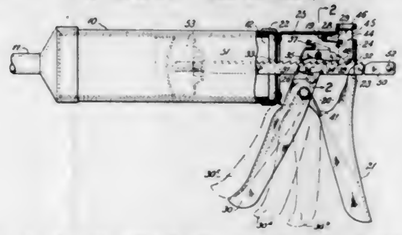
ing a circuit betwen said contact and said shell upon the breaking of said film due to the occurrence of a predetermined voltage and for locking said base in a socket.

2,180,977
DEAD END CLAMP
John Brown Cook, Chicago, Ill., assignor to Reliable Electric Company, Chicago, Ill., a corporation of Illinois
Application August 1, 1938, Serial No. 222,316
4 Claims. (Cl. 287—75)



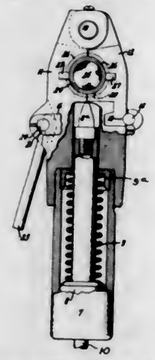
1. A connector of the character described for securing a line wire to an anchoring device, said connector comprising a tension element having enlarged heads at both ends, a tubular wire gripping member having means therein to grip a wire inserted into it from one end thereof, and a yoke through which both ends of said tension element extend, said yoke having an enlarged central opening adapted to receive the tubular gripping member and having slots extending outwardly from said central opening to receive the portions of the tension element adjacent to said heads, said slots being too small for said heads to pass through them, said gripping member when inserted in said central opening retaining the said portions of the tension element in said slots.

2,180,978
CALK GUN
Samuel Crewe, East Cleveland, Ohio
Application March 2, 1939, Serial No. 259,417
3 Claims. (Cl. 74—169)



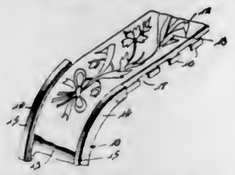
1. A ratchet mechanism, comprising in combination, a handle member, an operating lever pivoted to the handle member, a pawl member mounted on the operating lever, a ratchet-bar movable through the handle member, a tension means carried by the operating lever engaging the pawl member with the ratchet-bar, a dog member mounted on the handle member engageable with the ratchet-bar, and a means on the said pawl member for disengaging the said dog member.

2,180,979
HYDRAULIC PRESS
Eugene D. Eby and Thomas C. Aitchison, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application March 23, 1939, Serial No. 263,736
11 Claims. (Cl. 140—113)



1. An hydraulic press comprising a cylinder and ram, a tool moved by the ram, a head secured to the cylinder comprising fixed and movable members hinged together and defining an opening to receive the work, interlocking means between the two members, a link means for locking the members, and an eccentric for moving the link means in the direction of its length to cause it to engage the movable member and move the interlocking means in firm engagement.

2,180,980
BRACELET STRUCTURE AND METHOD OF MAKING THE SAME
Karl Fassnacht, Cranston, R. I., and Lester W. Ballou, Attleboro, Mass., assignors to D. E. Makepeace Co., Attleboro, Mass., a corporation of Massachusetts
Application May 20, 1939, Serial No. 274,722
5 Claims. (Cl. 63—7)

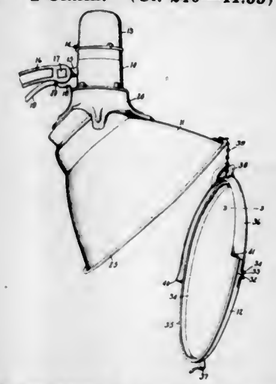


2. A bracelet section comprising a longitudinally curved member having oppositely positioned upstanding side walls extending substantially throughout its length and inwardly directed flanges carried by said side walls, and a second member fitting within said first member and having upstanding serrated lateral edges oppositely directed relative to the side walls of said first member and engaging frictionally the inner faces of the side walls of said first member to resist sliding movement of said members relative to each other and maintain said second member in substantial engagement with the inwardly directed flanges of said first member, the serrations formed in the upstanding lateral edges of said second member extending inwardly throughout a substantial portion of the upstanding lateral edges to permit longitudinal flexing of said second member without distortion.

2,180,981
PROCESS OF MAKING PHENOL-ALDEHYDE RESINS
Edmond F. Fiedler, Adams, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 25, 1937, Serial No. 150,376
5 Claims. (Cl. 260—57)

1. The method of making a permanently fusible phenol-aldehyde resin which comprises reacting a phenol and an aldehyde in the presence of an acid catalyst, partly dehydrating the reaction product under reduced pressure until it has a flow point of about 60° to 90° C., neutralizing the said partly dehydrated product, and dehydrating the neutralized product under reduced pressure until substantially all the remaining water has been removed.

2,180,982
FLOODLIGHT PROJECTOR
John P. Foulds, Revere, Mass., assignor to General Electric Company, a corporation of New York
Application September 21, 1938, Serial No. 231,036
1 Claim. (Cl. 240—41.55)

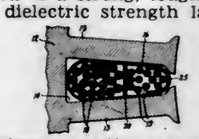


In a floodlighting projector the combination of a conoidal reflector provided with an opening, a flange extending radially from the surface of said reflector along the edge of said opening, a cover for said opening comprising a lens and a ring attached to the edge of said lens, and means for supporting said ring adjacent said radial flange to close said opening including a flange attached to said ring extending substantially over the upper half of said ring, said flange being formed to cover said radial flange to form a rain shed and to draw said ring against said radial flange when placed thereon, and a resilient catch on the lower half of said ring formed to latch said cover into contiguous relation to said radial flange.

2,180,983
DYNAMO-ELECTRIC MACHINE
Ralph W. Hall, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application March 24, 1938, Serial No. 197,801
12 Claims. (Cl. 171—252)

2. A member for a dynamo-electric machine comprising a core having a plurality of slots adapted to receive coil windings, and a slot liner for the walls defining each of said slots, said liner

being composed of a strong, tough, moisture-resisting, high dielectric strength laminated ma-

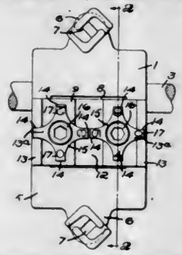


terial comprising a continuous sheet of paper united on each side thereof with a continuous coextensive sheet of cellulose derivative.

2,180,984
METAL COMPOSITION
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Original application September 29, 1937, Serial No. 166,371. Divided and this application January 10, 1939, Serial No. 250,102
2 Claims. (Cl. 75—136)

1. A metal composition consisting of 25 to 75% of at least one of the nitrides selected from the group consisting of nitrides of titanium, zirconium, hafnium, vanadium, columbium and tantalum, from the least useful amount up to 50% of a refractory material selected from the group consisting of the metals of the tungsten and molybdenum group and their refractory carbides, balance substantially all a lower melting point metal selected from the group consisting of silver, copper and gold.

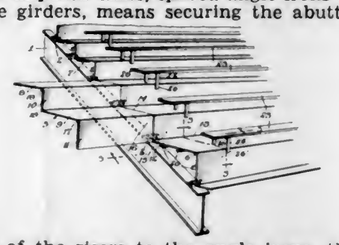
2,180,985
THREAD CLEANING DEVICE
Samuel Hyslop, Newton, Mass.
Application March 12, 1938, Serial No. 195,556
3 Claims. (Cl. 28—70)



1. A thread cleaning device comprising a back member with means for securing it to a support, an opening in the member and a bracket movable through said opening; substantially cylindrical, winged thread cleaning members adjustably and axially secured to and forwardly projecting from said bracket, the thread cleaning wings being of different radii and different distances from the central vertical plane between the cleaning member axes, each wing forming with an opposing wing thread paths equal in width to the sum of the distances between the several wings and said plane.

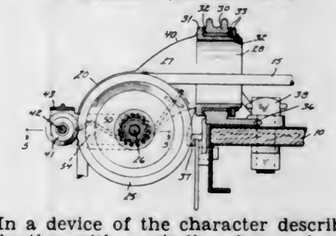
2,180,986
GRANDSTAND CONSTRUCTION
Byron J. Lambert, Iowa City, Iowa
Application April 13, 1938, Serial No. 201,701
1 Claim. (Cl. 189—1)

A steel grandstand comprising inclined girders, a plurality of units extending lengthwise and transversely of the girders, each unit formed of a single sheet of material and bent to provide a plurality of alternately disposed tread plates and risers, the end edges of the risers of one unit abutting similarly positioned edges of the adjacently disposed units, spaced angle irons secured to the girders, means securing the abutted end



edges of the risers to the angle irons, the rear edge of the tread plate of each unit being aligned with the lower edge of a riser of an adjacently disposed unit and a welded seam connecting the aligned edges of said plate and riser.

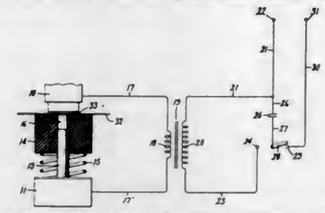
2,180,987
APPARATUS FOR GUIDING CABLES
Neil P. Larsen and Herman J. Troche, Cleveland, Ohio, assignors to The American Coach and Body Company, Cleveland, Ohio, a corporation of Ohio
Application May 8, 1937, Serial No. 141,522
5 Claims. (Cl. 254—190)



1. In a device of the character described, the combination with a winding drum adapted and arranged to be secured to one end of a platform with its axis extending substantially parallel with said end, a bracket secured to the opposite end of the platform and provided with an annular opening extending in a direction normal to the axis of said drum, a second bracket mounted in said first-named bracket for movement about the axis of the opening therein and having an opening concentric with such axis, said last-named bracket having a pair of ears extending outwardly from said platform, a sheave rotatably supported in said ears for movement about an axis extending normal to the axis of said openings, the periphery of said sheave being substantially tangent to said axis, a pair of arms pivotally mounted to the second-named bracket to swing about the axis of said sheave, a roller carried by said arms and in engagement with a cable extending over the sheave, and resilient means acting on the second named bracket and arms to normally maintain said roller in a tangential position relative to said sheave.

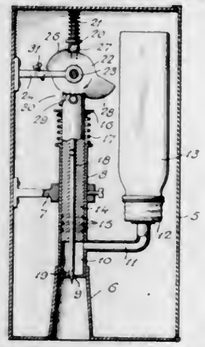
2,180,988
ELECTRODE FOR ELECTRIC DISCHARGE DEVICES
Eugene Lemmers, Cleveland, and George M. Carpenter, Mentor, Ohio, assignors to General Electric Company, a corporation of New York
Application June 16, 1937, Serial No. 148,488
4 Claims. (Cl. 250—27.5)

1. The method of making electrodes for electric discharge devices which comprises forming a highly porous body by compressing a quantity of coarse refractory metal particles and momen-



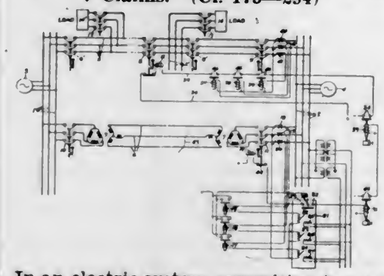
tarily passing a heavy electric current through said particles to weld them together only at their contacting edges and impregnating said body with an electron emissive material.

2,180,989
LIQUID DISPENSING APPARATUS
Peter Lohn, New York, N. Y.
Application February 28, 1939, Serial No. 258,877
3 Claims. (Cl. 221—102)



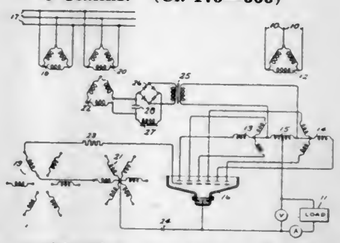
1. In a liquid dispensing apparatus, a liquid receiving chamber having an outlet, a spring pressed valve normally closing said outlet, an ejector movable in said chamber to discharge liquid therefrom and through said outlet when said valve is opened, and means on said ejector to open said valve at the inception of movement of said ejector.

2,180,990
PROTECTION OF ALTERNATING CURRENT SYSTEMS
Charles R. Mason, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 17, 1938, Serial No. 230,460
7 Claims. (Cl. 175—294)



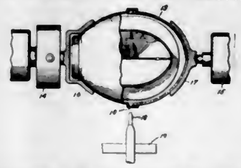
1. In an electric system comprising two sources of alternating current interconnected by at least two tie lines and a load supplied from one of said tie lines, means for effecting a circuit interruption in the other tie line on the occurrence of a fault thereon including fault responsive means energized from said other tie line, and means controlled by said fault responsive means for effecting the electrical separation of said sources at a predetermined point in said one tie line.

2,180,991
ELECTRIC VALVE CONVERTING SYSTEM
Yosio Matusita, Yokohama, Japan, assignor to General Electric Company, a corporation of New York
Application November 9, 1938, Serial No. 239,722
In Japan December 20, 1937
8 Claims. (Cl. 175—363)



1. In combination, a source of alternating current, a direct current load circuit, an electric valve converting system interconnecting said circuits, said system including a plurality of polyphase networks interconnected by an interphase transformer and a controlled electric discharge apparatus, and means for controlling the conductivity of said electric discharge apparatus in accordance with the voltage appearing across said interphase transformer.

2,180,992
PROCESS FOR SPINNING TOGETHER A METAL AND A CERAMIC ARTICLE
George J. Meyers, Jr., Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application August 24, 1937, Serial No. 160,639
3 Claims. (Cl. 29—148.2)



1. The process of spinning an aluminum reflector on to a glass globe which comprises heating said reflector to substantially expand said reflector without injuring its reflecting surface, assembling said reflector and globe, and turning the assembled unit while spinning the flange of the reflector over a cooperating flange on the glass globe.

2,180,993
PNEUMATIC MOTOR
Emory J. Monnier, Detroit, Mich.
Application July 30, 1937, Serial No. 156,477
8 Claims. (Cl. 253—2)

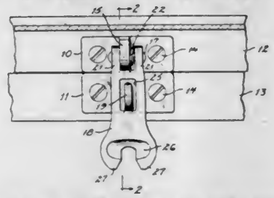
1. A device of the character described comprising, a housing, a shaft rotatably mounted

upon bearings within said housing, a driving member secured to said shaft within said housing, said member having an annulus of teeth thereon, an air distributing member secured to said housing adjacent to said driving member, said distributing member having an opening therein which directs air under pressure against said teeth to rotate said shaft, an oil saturated wick disposed within said housing, said housing



having an exhaust opening therein through which a portion of the air escapes after it is discharged from said distributing member, there being a continuous passageway within said housing from said distributing member past said wick and through said bearings to the outside of said housing, the remaining portion of the discharged air escaping through said passageway, for the purpose described.

2,180,994
SASH FASTENER
James E. Mulcahy, Cleveland, Ohio
Application November 16, 1937, Serial No. 174,742
2 Claims. (Cl. 292—240)



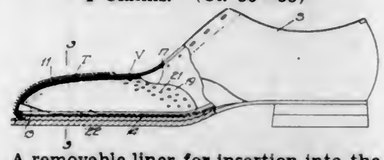
1. A fastener of the character having two coacting parts, one of which comprises an arm that is carried on one part of a window sash and that coacts with a keeper on a coacting sash and projects beyond the last named sash, the arm having a slot opening outwardly at one end thereof and having a socket on one face thereof adjacent the base of the slot for receiving a window pole.

2,180,995
HYDROMETER
Charles Nurnberg, Brooklyn, N. Y.
Application December 14, 1938, Serial No. 245,644
3 Claims. (Cl. 265—46)



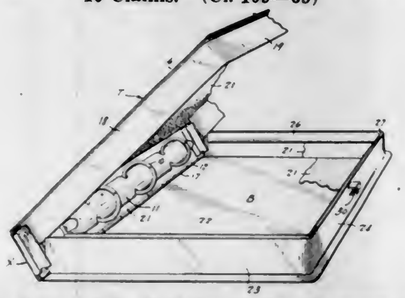
1. A hydrometer comprising a body member having a tubular portion of relatively small diameter formed of glass, a scale member formed of relatively thin resilient sheet metal coiled in generally cylindrical form and disposed inside said tubular portion, said scale member having graduations thereon displayed through the side of the tubular portion, an index member comprising a strip of glass fused at one end to the upper end of the tubular portion and depending downwardly to a predetermined position with respect to the graduations on the scale so that shifting of the scale member will be apparent from a variation in their relative positions, said index member being formed with a curved portion engaging the upper end of the scale member to prevent it from shifting upwardly, and a supporting member for the other end of the scale member comprising a strip of glass extending across the tubular member and fused at its two ends to the sides of the tubular portion, said strip of glass engaging the lower end of the scale member and preventing it from shifting downwardly.

2,180,996
TOE AND VAMP LINER FOR SHOES
Arthur T. Prewitt, Brooklyn, N. Y.
Application April 23, 1938, Serial No. 203,786
Renewed October 10, 1939
4 Claims. (Cl. 36—55)



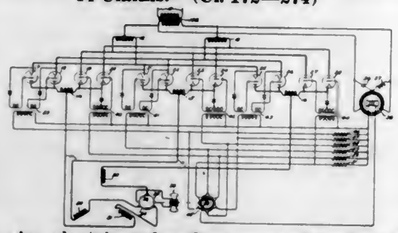
1. A removable liner for insertion into the toe-box of a finished shoe comprising a thin relatively stiff but flexible body having a waterproof forward toe box portion adapted to be inserted into and snugly fit into the toe box of a shoe with the side edges thereof braced against the inner side of the shoe, and a porous vamp portion rearwardly of said toe box portion and adapted to line the vamp region of the inner surface of a shoe when the toe box portion is in position therein.

2,180,997
RECORD BOOK
Carmelo Rubilino, Philadelphia, Pa.
Application March 16, 1939, Serial No. 262,082
10 Claims. (Cl. 109—65)



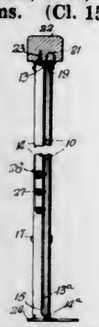
1. A record book casing of the character described comprising a top carrying side and front walls, a back hingedly connected to the top, a bottom hingedly connected to said back, said bottom carrying side and front walls, the side walls of said top and bottom having free edges adjacent to said back, and interlocking means carried by said back engaging both faces of the free edges of said sides to effect a seal against water.

2,180,998
ELECTRIC VALVE CONVERTING SYSTEM
Camil A. Sabbah, deceased, late of Schenectady, N. Y., by William A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 7, 1937, Serial No. 135,476
14 Claims. (Cl. 172—274)



1. An electric valve frequency changing system comprising an alternating current supply circuit, a polyphase alternating current load circuit, an inductive winding for each conductor of each of said circuits, each inductive winding being connected at an intermediate point thereon to a different conductor of its associated circuit, a plurality of controlled electric valves interconnecting the terminals of the inductive windings of said circuits, and means for controlling the conductivities of said valves.

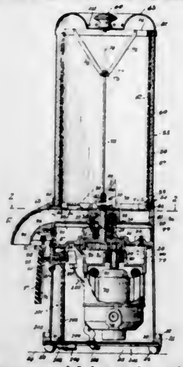
2,180,999
END STANDARD FOR THEATER CHAIRS
Austin C. Sellers, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application May 24, 1937, Serial No. 144,373
2 Claims. (Cl. 155—198)



1. An end standard for theater chairs or the like embodying therein a metal plate-like panel having its top end formed to provide oppositely facing, laterally extending portions and upwardly extending portions, means providing an arm rest for the top end of said panel and engaged on said laterally extending portions, said arm rest being formed in its bottom surface to receive said upwardly extending portions, and means for securing said arm rest to said laterally extending portions.

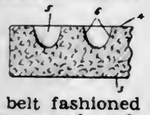
2,181,000
ICE CHIPPING DEVICE
John J. Shively, New York, N. Y.
Application July 30, 1936, Serial No. 93,344
8 Claims. (Cl. 83—62)

1. In a device of the character described, in combination, a base, a hopper on said base adapted to contain ice, a depressed spider in the upper part of said hopper adapted to initially receive said ice and to guide into the lower part of said hopper pieces of said ice smaller than a predetermined size, a rotary pick-plate in said hopper and having openings therein, picks on said plate adjacent certain but not all of said openings and



adapted to engage said ice whereby chips may be picked from said ice and guided through said certain openings, stationary means in said hopper to hold said ice in engagement with said picks, a spout on said hopper having an outwardly divergent passage therethrough, a centrifugal impeller underlying said plate and adapted to expel said chips through said pasage, and means to rotate said plate and impeller.

2,181,001
POWER-TRANSMITTING BELT
John W. Smith, Lakewood, Ohio
Application November 12, 1936, Serial No. 110,465
2 Claims. (Cl. 74—231)

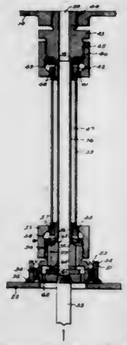


2. A leather belt fashioned on one face with predeterminedly spaced and arranged cavities of predetermined contour, said cavities being depressed in the face of the belt and the contours comprising approximately semi-spherically surfaced bottoms merging into outwardly diverging generally conical side walls, said side walls merging into the belt surface with an outwardly flaring radius.

2,181,002
ELASTIC FLUID TURBINE PLANT
Donald F. Warner, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application February 19, 1938, Serial No. 191,524
2 Claims. (Cl. 285—25)

1. In a system for conveying fluid under pressure the combination of a tank having a flanged opening, a tube with a flared end portion, and means connecting the flanged end portion to the opening and for returning leakage from the tube to the tank, said means comprising a connecting element having a flange secured to the flanged opening and a screw-threaded extension with a conical surface engaging the flared end portion, another tube with a flared end portion concentrically spaced from the first tube, a spacer with

conical surfaces engaging the flared end portions and a nut engaging the flared end portion of the



other tube and secured to the screw-threaded extension.

2,181,003
SOLUBLE DRIED SOLIDS OF MILK AND METHOD OF PRODUCING THE SAME
Harold K. Salzberg, Pittsburgh, Pa., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 11, 1936, Serial No. 58,757
11 Claims. (Cl. 260—119)

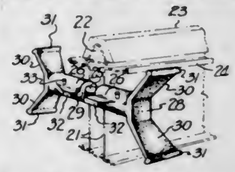
8. A dry milk powder free from strong alkali, said milk powder having substantially all of the calcium thereof chemically separated as a calcium compound less soluble in water than tricalcium phosphate.

2,181,004
FOUNDRY CORE BINDER
Harold K. Salzberg, Pittsburgh, Pa., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application January 11, 1936, Serial No. 58,757. Divided and this application June 1, 1938, Serial No. 211,305
13 Claims. (Cl. 22—188)

1. Foundry core material comprising a mixture of finely divided relatively inert solid material and a binder consisting principally of a mixture of milk solids with a reagent of the class consisting of acids and salts capable of reacting in water with the calcium of said solids to form a calcium salt less soluble in water than tricalcium phosphate, the proportion of said reagent being sufficient to react at least substantially stoichiometrically with the calcium in said powder.

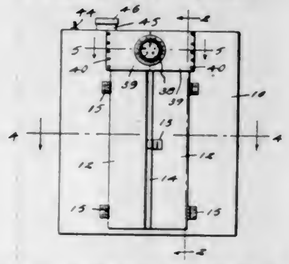
2,181,005
DOWEL BAR STRUCTURE
Clifford H. Westcott, Oak Park, Ill., assignor, by mesne assignments, to Cal C. Chambers and Robert S. Bradshaw, Jr., as joint tenants, St. Louis, Mo.
Original application May 20, 1935, Serial No. 22,308. Divided and this application September 14, 1939, Serial No. 294,916
20 Claims. (Cl. 94—18)

1. A load transfer device for bridging a gap between the adjacent end faces of two substantially horizontally aligned concrete slabs, comprising two counterpart and relatively reversed rigid major members each consisting of a single unitary casting having its integrated parts adapted to be imbedded in its respective slab, each major member comprising a cup-like sleeve portion opening at the end face of the slab in which that member is imbedded and adapted to have the axis of its bore horizontal and at right angles to said slab end and substantially within the neutral plane of the slab, integral anchors extending outwardly from the outer wall of the cup-like sleeve portion of each major member and



into the body of the slab within which it is adapted to be imbedded, and a dowel-like bridging member adapted to seat and have bearing in the bore of the cup-like sleeve portion of one major member and adapted to project beyond the end face of its respective slab and to bridge the gap intervening between the adjacent end faces of the adjoining slabs and to extend into and slidably engage the bore of the cup-like sleeve portion of the other associated major member.

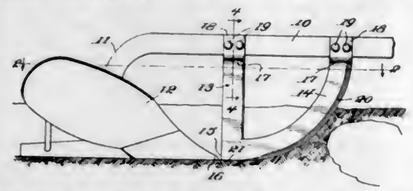
2,181,006
PORTABLE DISPENSING TANK
Martin J. Beale, Brooklyn, N. Y.
Application June 21, 1939, Serial No. 280,389
3 Claims. (Cl. 221—95)



1. In liquid dispensing apparatus, a tank, a compartment in the tank opening out through the front side of the tank, the horizontal and vertical dimensions of the compartment being smaller than the corresponding dimensions of the tank, door means closing the open side of the compartment, a bracket secured to a wall of the compartment, an electric pump mounted upon the bracket, a pipe extending from the bottom of the tank through the bottom of the compartment to the inlet of the pump, a pipe extending from the outlet of the pump through the top of the compartment, a gauge located in the compartment at the top thereof, a pipe connecting the gauge with the outlet of the pump, a dial for the gauge exposed exteriorly of the compartment, and a hose extending from the gauge and concealed within the compartment.

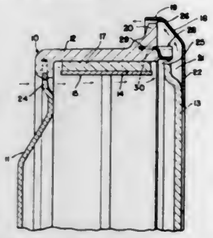
2,181,007
PLOWSHARE GUARD
Frank O. Berquist, Somerville, Mass.
Application May 19, 1938, Serial No. 208,923
3 Claims. (Cl. 97—208)

1. A plowshare guard comprising a member attached to the draft beam of the plow in front of the share, said member having an arcuate forward edge portion extending entirely downwardly and rearwardly from the under side of the



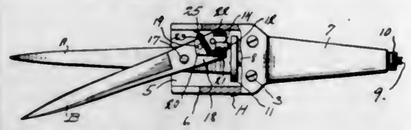
beam and terminating with a heel point substantially coincident with the point of the plowshare.

2,181,008
BRAKE MECHANISM
Stanley Bonzack, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 10, 1937, Serial No. 141,827
27 Claims. (Cl. 188—264)



1. In brake mechanism, a revoluble brake drum having an annular brake flange, and a plurality of circumferentially spaced fan blades rotatable as a unit with the drum and located axially beyond the free edge portion of the brake flange to direct air against the free edge portion of the brake flange.

2,181,009
AUTOMATIC SCISSORS
Joe Brancato and Dominick Scalese, Barnesboro, Pa.
Application March 19, 1938, Serial No. 196,990
4 Claims. (Cl. 30—228)



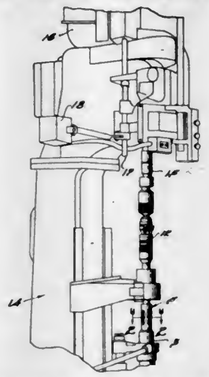
1. Mechanically operated scissors comprising a hollow head, a rotatable shaft carried by the head and extending therein, means for rotating the shaft, a disk carried by the shaft within the head, a pair of pivoted blades having end portions extending within the head, means for anchoring one of the blades to the head, outstanding spaced arms carried by the end portion of the second blade within the head, said arm being laterally disposed with respect to the outer face of the blade, a part carried by the disk extending between the arms, means within the head for normally urging one of the arms into engagement with the part carried by the disk for moving the second blade in one direction, said part carried by the disk contacting with the second arm upon failure of said means to function.

2,181,010
HONING TOOL
Eugene F. Brower and William H. Harris, Jr., Detroit, Mich., assignors to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application February 13, 1937, Serial No. 125,535
2 Claims. (Cl. 51—184.3)



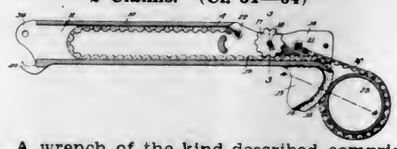
1. A honing tool, including, in combination, an abrading head, radially disposed abrading elements in said head, carriers in said head engaging said elements having their medial planes disposed on radial lines of said head, projections on the opposite side of said carriers, a member engaging said projections on that side of the medial planes of the carrier toward which the elements are urged due to the rotation of the tool.

2,181,011
HONING STRUCTURE
Eugene F. Brower, Detroit, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application March 15, 1937, Serial No. 130,921
3 Claims. (Cl. 51—34)



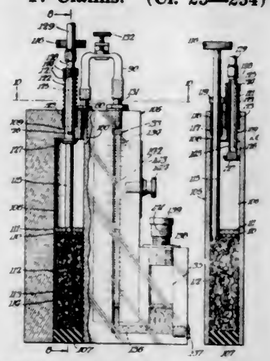
1. A honing tool including a body having slots therein, carriers in said slots having clearance to permit tilting therein, abrading elements supported by said carriers, means for adjusting said carriers radially, driving means for reciprocating and rotating said tool, and means for periodically reversing the direction of the tool rotation.

2,181,012
ADJUSTABLE WRENCH
Alwyn R. Bunting, Portsmouth, Va.
Application March 31, 1938, Serial No. 199,257
2 Claims. (Cl. 81—64)



1. A wrench of the kind described comprising an elongated body forming a lever having a runway longitudinally therethrough, a flexible gripping tape having the ends thereof joined with the lever for movement of said tape within the runway and looping said tape beyond one end of said lever, rotatable means fitting the lever and engaging the tape between its joined ends for bodily moving said tape and increasing or decreasing the loop formation thereof, means coacting with the last-named means for releasably locking said means, a lobe formed with the lever and having a curved serrated work-engaging face next to the loop formation of said tape beyond the end of the lever, said first-named means including a toothed pinion, and rack teeth formed on said tape and engaged by the said pinion.

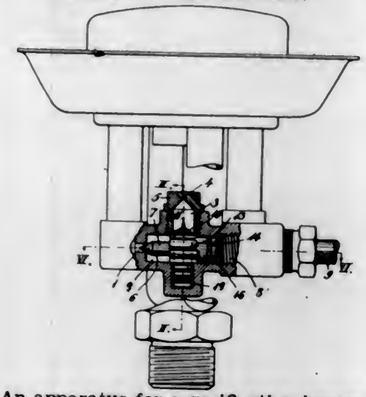
2,181,013
GAS TESTING DEVICE
Frank W. Dwyer, Chicago, Ill.
Application April 6, 1938, Serial No. 200,294
17 Claims. (Cl. 23—254)



1. A portable gas testing device comprising a casing having a reservoir, a caustic solution in the lower portion of the reservoir, a porous plunger movable only in a linear path, manual means for depressing said plunger into said solution for saturating the same and for elevating the same into the upper portion of said reservoir above said solution, a pressure gauge element, and means for placing said reservoir in communication with the gas to be tested or with said gauge element.

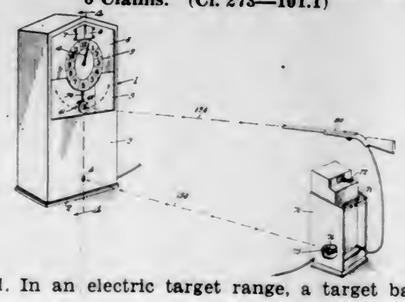
13. A small portable gas testing apparatus comprising a block of transparent material having a caustic solution container therein, a pressure gauge therein, means for placing said gauge and receptacle in communication, means including a single sliding valve for admitting gas into and permitting its discharge from said receptacle, means for intermixing said gas and solution and a graduated scale for indicating the percentage of carbon dioxide gas in a given sample of gas introduced through said valve.

2,181,014
GASIFICATION BURNER WITH A CLEANSING DEVICE AND A CUT-OFF MEMBER
Herman Ekström, Stockholm, Sweden
Application July 23, 1938, Serial No. 220,859
In Sweden April 23, 1937
2 Claims. (Cl. 158—120)



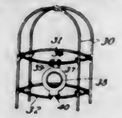
1. An apparatus for a gasification burner having a casing and a control member capable of movement from closed to open position in a chamber in said casing, comprising a needle valve having a spindle screw threaded in the casing, a cleansing member movable in said chamber from a cleansing position to a non-cleansing position including a toothed rack having a cleansing needle, a pinion loosely mounted on the spindle of said needle valve, said toothed rack engaging with said pinion, means allowing limited displacement of the needle valve spindle with respect to said pinion, and operative means for locking the pinion upon said valve spindle upon actuation and movement of the cleansing member for cleansing purposes so as to allow said cleansing member to be retracted to its non-cleansing position simultaneously with the beginning of the movement of the control member through a predetermined motion interval to an open position corresponding simply to full gas supply, and said locking means releasing the pinion from its locked position with respect to said valve spindle upon the toothed rack reaching the limit of its motion in said chamber in which it operates.

2,181,015
ELECTRIC TARGET PRACTICE GAME
William P. Falkenberg, Chicago, Ill., assignor to Rayolite Rifle Range Company, Chicago, Ill., a corporation of Oklahoma
Application December 7, 1936, Serial No. 114,668
6 Claims. (Cl. 273—101.1)



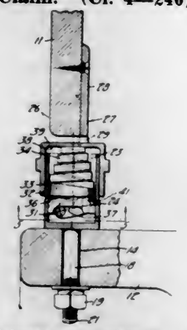
1. In an electric target range, a target base, a target mounted thereon, said target including a movable portion and means for moving it, a firing stand, a coin controlled switch in said firing stand, a source of radiant energy associated with said stand, means for energizing said source of radiant energy in response to the actuation of said coin controlled switch, a member, associated with said target base, adapted to respond to the emission of radiant energy from said source, and an actuating connection between said responsive member and said target mechanism effective to set said movable portion in operation.

2,181,016
PLANT PROTECTOR
William F. Gross, De Pere, Wis.
Application November 28, 1938, Serial No. 242,846
3 Claims. (Cl. 47—28)



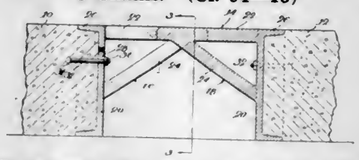
1. In a knock-down plant protector construction, a frame having a centrally disposed hub, frame members detachably connected to said hub at their upper ends, spaced rings detachably connected to said members for maintaining the latter in adjusted position about a plant, a ventilating member detachably connected to said rings and extending therebetween and fashioned with a ventilating opening, and a transparent hood covering said frame and enclosing said plant therein, said hood detachable from said frame whereby to expose said plant to desirable weather conditions, said hood fashioned with a ventilating opening registering with said first mentioned opening whereby to provide ventilation for said plant.

2,181,017
TOILET SEAT HINGE
Ernest F. Hill, Oakland, Calif., assignor to Carroll & Carroll, Oakland, Calif., a copartnership composed of Charles D. Carroll and Edward J. Carroll
Application February 1, 1937, Serial No. 123,366
1 Claim. (Cl. 4—240)



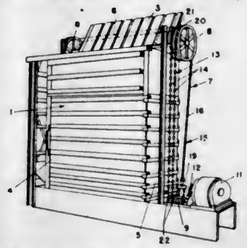
A toilet seat hinge comprising, a hollow elongated casing adapted for securing in upright position to the back of a toilet bowl, a crank shaft extending transversely through and journaled in said casing along an axis spaced from the center axis of said casing, said crank shaft having forward extending portions adapted for securing to the rear of a toilet seat for pivoting said seat to said casing for movement from a substantially horizontal position to a substantially vertical position of said seat, a spring rest mounted for vertical reciprocation in said casing and having an elongated bearing for engagement with said crank shaft, said bearing having a substantially horizontal dimension approximately equal to the horizontal throw of said crank, a helical spring compressed between the top of said spring rest and the top of said casing, the engaging top and bottom surfaces of said rest and spring being inclined to horizontal in a manner causing said rest to remain in substantially horizontal position during reciprocation under varying compressive forces of said spring and changing angularity of said crank shaft.

2,181,018
EXPANSION JOINT
Lester Hughes and Robert Blackledge, Blandinsville, Ill.
Application May 25, 1938, Serial No. 210,049
3 Claims. (Cl. 94—18)



1. In an expansion joint, a pair of units each including spaced fingers, the fingers of one unit being arranged in interfitting relation with the fingers of the other unit, said fingers having flat angular contacting relation so arranged as to restrain the fingers from relative vertical movement.

2,181,019
BALING PRESS
George W. Langford, Ann Arbor, Mich., assignor to Economy Baler Company, Ann Arbor, Mich., a corporation of Michigan
Application August 10, 1936, Serial No. 95,249
2 Claims. (Cl. 100—12)



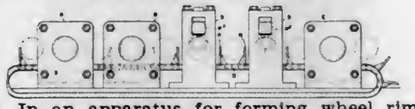
1. In a baling press of the down-stroke type, a baling chamber open at its upper end, a stationary platen in the lower portion of the chamber, a movable platen above the stationary platen adapted to be moved relative to the stationary platen and to be extended beyond the open upper end of the chamber in tilted position to facilitate loading, a drive shaft below the chamber, a pair of drive sheaves secured to said shaft at opposite sides of the chamber, each of said drive sheaves having a pair of axially spaced peripheral grooves, a second shaft above the open upper end of the chamber, a pair of idler sheaves upon said second shaft at opposite sides of the chamber, each of said idler sheaves having a pair of axially spaced peripheral grooves in vertical alignment with the peripheral grooves in the drive sheave

at the same side of the chamber and a peripheral groove intermediate said pair of axially spaced grooves, connections at opposite sides of the chamber for driving the movable platen, each of said connections comprising an evener bar operatively connected to the movable platen, a pair of liner drive members connected to said evener bar and reeved over the drive sheave, a second evener bar connected to the other ends of said linear drive members, a single linear member connected to said second evener bar and reeved over the intermediate peripheral groove in the idler sheave and connected at its other end to the movable platen, and driving means operatively connected to said drive shaft to tension said pairs of linear drive members and to pull the movable platen downwardly to compress the bale, said driving means being adapted to drive said drive shaft in the opposite direction of rotation to tension said single linear members to move the movable platen and said first mentioned evener bars a substantial distance around the periphery of the idler sheaves to thereby move said movable platen beyond the open upper end of the chamber to tilted position.

2,181,020
APPARATUS FOR MANUFACTURING VEHICLE WHEEL RIMS

Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application June 22, 1936, Serial No. 86,671
2 Claims. (Cl. 153—2)

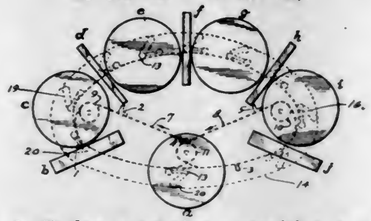


1. In an apparatus for forming wheel rims, the combination with means for successively advancing the hoops in a vertical plane from station to station of a series of stations, said means including holders for externally engaging the hoops on diametrically opposite sides and centrally between opposite ends thereof of mechanisms located at the successive stations for engaging the work from opposite sides thereof, there being one or more pairs of cooperating dies and fluid actuated means for expanding the opposite end portions of a cylindrical hoop, one or more pairs of cooperating rolls for further fashioning the expanded hoop, and a final mechanism including cooperating dies for expanding the work to its final form.

2,181,021
DISPLAY MACHINERY

George M. Lockwood, River Rouge, Mich., and Otto H. Schoenberger, Los Angeles County, Calif.; said Lockwood assignor to said Schoenberger

Application February 4, 1938, Serial No. 188,599½
In Canada July 14, 1927
18 Claims. (Cl. 40—28)

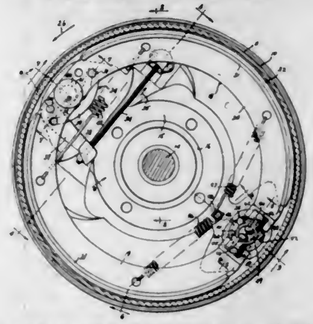


1. A display apparatus comprising a carrier provided with means for movably supporting articles to be displayed and provided with means for movably supporting signs to be displayed, automatic means for concealing the articles behind the signs, movable members provided with means for bringing the articles one at a time into display view from behind the signs and means for again concealing the displayed articles behind the signs.

2,181,022
BRAKE MECHANISM

Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application August 16, 1937, Serial No. 159,389
7 Claims. (Cl. 188—78)

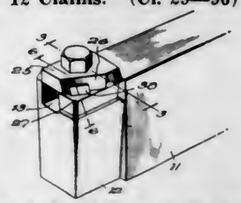


1. In brake mechanism, a revoluble brake drum mounted on a spindle for turning movement about an up and down axis, a backing plate for the brake drum, brake friction means supported on the backing plate within the brake drum and having spaced ends, means for moving the brake friction means outwardly for engagement with the brake drum including a lever extending substantially radially of the brake drum and having the outer end pivotally connected to one end of the brake friction means, a link pivotally connecting the lever intermediate the ends thereof to the other end of the friction means, and means for operating the lever including a linear member connected to the radially inner end of the lever and extending in a direction opposite the direction of forward rotation of the brake drum through the backing plate at a point substantially in alignment with the axis of turning movement of the brake drum.

2,181,023
CUTTING TOOL

John B. Moore, North Chicago, Ill., assignor to Vanadium-Alloys Steel Company, Latrobe, Pa., a corporation of Pennsylvania

Application January 8, 1937, Serial No. 119,673
12 Claims. (Cl. 29—96)



1. A laminated tool tip comprising a body layer of hard high-speed cutting material and a base layer of hard metal brazed together, said base layer having parallel serrations on the face remote from said body layer, the coefficients of thermal expansion of said material and said metal being essentially different and said body layer having a breaking strength materially greater than that of said base layer.

2,181,024
TOY ANIMAL

Michael Pifalo, Malden, Mass.

Application May 31, 1938, Serial No. 211,053
3 Claims. (Cl. 46—152)

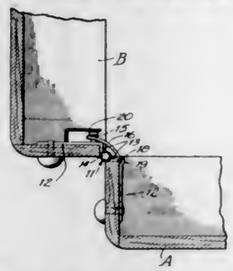


2. A toy simulating a turtle, comprising a body in the form of a turtle shell having a side wall extending downwardly from and encircling the peripheral portion thereof, said shell being hollow, said side wall having front, rear and side openings, head, tail and leg members for said front, rear and side openings respectively, each of said members being relatively long and extending from the interior of the body through an opening thereof, a wire ring secured within the upper part of said body and extending across and exposed in the upper part of each of said openings, and a suspension loop carried by each member and having the wire passing therethrough whereby the member is suspended for oscillation in the opening.

2,181,025
STOP HINGE FOR LUGGAGE CASES

Joseph H. Plotkin, Chicago, Ill., assignor to S. Dresner & Son, Inc., Chicago, Ill., a corporation of Illinois

Application April 2, 1938, Serial No. 199,543
2 Claims. (Cl. 16—191)

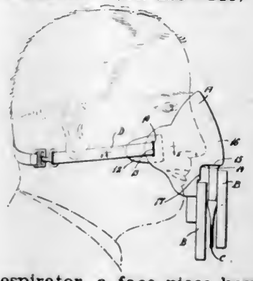


1. A hinge for the two sections of a luggage case or the like comprising, companion hinge plates each having an inner plate portion adapted to be secured to the inner face of the rear wall of each said case sections, an angularly disposed flange portion extending from each inner plate portion adapted to embrace the end faces of said rear walls, a pintle pivotally uniting said flange portions at a point outwardly offset with respect to the plane of said inner plate portions, one of said hinge plates being formed at the angle between its inner plate portion and flange portion with a sleeve-like protuberance, a slotted link plate having a trunnion journaled within said sleeve-like protuberance, said link plate being of a length to overlap the inner plate portion of the other hinge plate in all positions of said hinge plates, and a stop member outstanding from the inner plate portion of said other hinge plate for engaging the slot in said link plate for limiting angular movement between the companion hinge plates.

2,181,026
RESPIRATOR

Nathan Schwartz, New York, N. Y.

Application November 13, 1936, Serial No. 110,557
4 Claims. (Cl. 128—146)

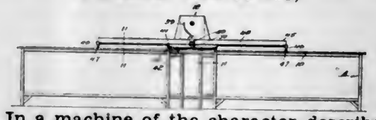


1. In a respirator, a face piece having an intake port, a filter unit including a wall having an outlet port and a means connecting the filter unit to the said face piece and establishing communication therebetween through said inlet and outlet ports comprising a tubular air duct having apertures with the tubular wall of said conduit being parallel with the said wall of the filter unit and one of said apertures connects with the filter unit while another aperture connects with the face piece and the said filter unit confronts the said face piece and is spaced therefrom by the said air duct.

2,181,027
ROUTER MACHINE

Alice A. Shinn and Don A. Ericson, Oklahoma City, Okla.

Application February 26, 1938, Serial No. 192,822
6 Claims. (Cl. 90—15)

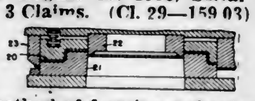


1. In a machine of the character described, a movably supported slide having an opening therein, a saddle part having an opening for registering with the opening in the slide and also provided with a saddle beneath said opening, said saddle part having slots opening through opposite extremities thereof, guides on said slide for engaging said slots and allowing movement of the saddle part relative to said slide, and means engaging the saddle part and slide for holding the same against relative movements.

2,181,028
METHOD OF MAKING VEHICLE WHEEL BODIES

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application August 10, 1936, Serial No. 95,226
3 Claims. (Cl. 29—159.03)



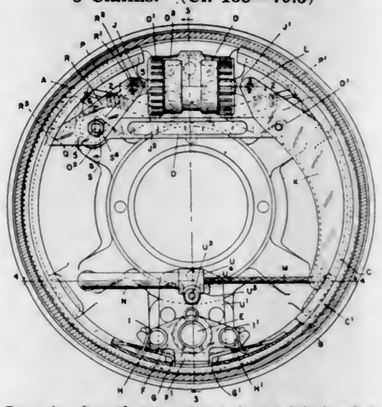
1. The method of forming a sheet metal wheel

body which comprises hooping a generally Z-shaped blank about its web as a neutral axis and during the hooping increasing the gauge of the flange radially inwardly of the web toward the inner edge of the flange and decreasing the gauge of the flange radially outwardly of the web toward the outer edge of the last mentioned flange, securing the ends of the hooped blank to each other, and forming the radially outwardly extending flange to provide spoke portions.

2,181,029
BRAKE CONSTRUCTION

George Joseph Thomas, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application October 11, 1937, Serial No. 168,496
5 Claims. (Cl. 188—79.5)

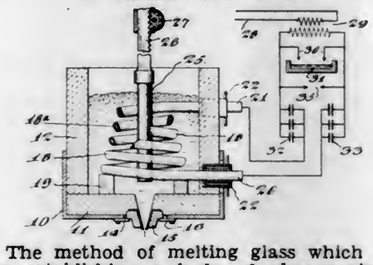


1. In a brake, the combination with brake friction means including a flexible band having spaced end portions, a hydraulic actuator located between said ends, members projecting radially inward from the opposite end portions of said band extending into operative relation to said actuator, levers pivotally attached to said members, one of said levers normally bearing against said band, a link extending between said levers and pivotally attached thereto, the pivotal attachment to one of said levers being adjustable about an eccentric axis to change the effective length of the link and to thereby compensate for wear in the brake friction means.

2,181,030
ELECTRIC GLASS FURNACE

John H. Thomas, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application December 30, 1936, Serial No. 118,309
Renewed April 17, 1939
11 Claims. (Cl. 13—6)

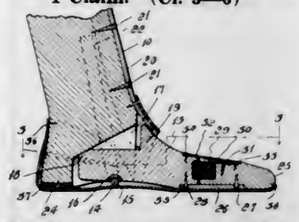


1. The method of melting glass which comprises establishing a body of glass materials, passing an alternating current in a predetermined convoluted path embedded in said body and which borders on the periphery of an interior zone of said body of glass materials and thereby preheating said glass adjacent said path by means of heat generated by the ohmic resistance to said current within said path, and passing said preheated glass materials into said interior zone through the interstices of said path and causing said glass to be finally heated by the induced flow of electrical current from the alternating current in said path.

2,181,031
ARTIFICIAL LEG

James C. Thompson, Wytheville, Va.

Application August 26, 1937, Serial No. 161,123
1 Claim. (Cl. 3—6)

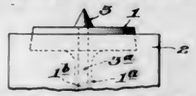


An artificial leg comprising a rigid leg section having a slot in the forward portion of its lower end, a foot section interengaged in said slot and terminating at a distance from the rear of the leg, said leg section having its lower surface rearward of the foot section in substantially the same plane as the lower surface of the foot section, means connecting the foot section and leg section for flexure at the instep comprising a U-shaped strap secured to the sides of the leg section having its bight extending across the lower end of the leg section and crossing said slot, the lower surface of the foot section resting on and fulcrumed on said bight, spring means on one of the sections overlapping the other section, toe sections, means flexibly connecting the toe sections together, a resilient element overlapping the junction of the toe sections and foot section, and flexible means extending across said junction and connected to the toe sections and foot section.

2,181,032
PERMANENT LAND MARKER

Edmund W. Watkins, Palatka, Fla.

Application May 27, 1938, Serial No. 210,515
4 Claims. (Cl. 189—21.3)



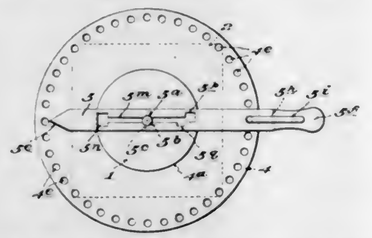
1. A land marker, comprising a base, a flat disk-like cap embedded therein and having an indicia bearing portion protruding beyond the adjacent face of the base, and having a centrally disposed bore; and a pin having a shank fitted in said bore and having an enlarged head seated upon and projecting beyond the protruding portion of the cap.

2,181,033
LETTERING AND MARKING GUIDE

Edmund W. Watkins, Palatka, Fla.

Original application May 27, 1938, Serial No. 210,515. Divided and this application October 19, 1938, Serial No. 235,845
10 Claims. (Cl. 33—184.6)

1. A lettering guide for land markers or the like having an indicia receiving cap mounted in a face of a supporting base and having an axial bore; said guide comprising a plate having its central portion removed in way of the cap; means for mounting the plate on the base; a rotatable member on the plate having a pivot engaging the bore of the cap; said member having die receiving guide openings therein disposed over the plate; and means for locking the member in position on the plate.



2,181,034
PREPARATION OF 1-AMINO-6-CHLOROANTHRAQUINONE

Myron S. Whelen, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 24, 1936, Serial No. 87,121
5 Claims. (Cl. 260—381)

1. In the process for the preparation of 1-amino-6-chloroanthraquinone, the step which comprises mono-amidating 1,6-dichloroanthraquinone with p-toluenesulfonamide.

2,181,035
TUBING AND METHOD OF MAKING THE SAME

Clayton E. White, Cleveland, Ohio, assignor to Stone Paper Tube Company, Washington, D. C., a corporation of Delaware

Application February 14, 1938, Serial No. 190,474
2 Claims. (Cl. 154—2.6)



1. As an article of manufacture, a composite tube of laminated construction, comprising a plurality of layers of spirally wound strips of fibrous paper in combination with a thin, homogenous layer of spirally wound, fiberless, cellulose material, the cellulose material embracing at least one layer of fibrous paper and being in the form of a continuous strip having marginal edge portions in overlying relation and adhering to one another, the marginal edge portions of the strips in contacting laminations being staggered with respect to one another to distribute the regions of decreased strength in the tube, said strips being individually of greater width than the outside diameter of the tube to impart increased tensile strength to the tube, the tube having a free inside diameter throughout substantially its entire length to receive material to be enclosed by the tube, and an inner fibrous lamination being slightly reduced in diameter with respect to its original formed diameter.

2,181,036
METHOD OF TREATING HYDROCARBON DISTILLATES

Virden W. Wilson, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.

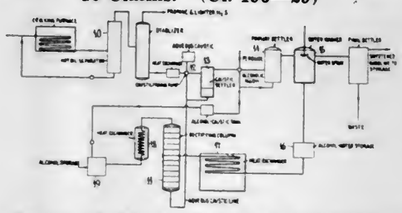
No Drawing. Application February 1, 1937, Serial No. 123,481
10 Claims. (Cl. 196—29)

1. The method of sweetening sour hydrocarbon liquid distillates which comprises treating the distillate with an alcoholic solution of caustic alkali and an oxidizing agent yielding hydrogen peroxide.

2,181,037
METHOD OF SWEETENING HYDROCARBON DISTILLATES

Virden W. Wilson, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.

Application March 4, 1937, Serial No. 129,011
10 Claims. (Cl. 196—29)

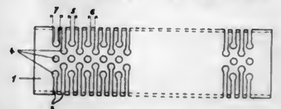


1. The method of sweetening sour hydrocarbon distillates which comprises treating the liquid distillate with a methanol solution of a caustic alkali and water, and an oxidizing agent capable of liberating hydrogen peroxide.

2,181,038
DRY-SHAVING DEVICE

Leopold Wimberger, Vienna, Austria, assignor to L. Wimberger Kommanditgesellschaft & Co., Patent-Verwertungsgesellschaft, Vienna, Austria

Application December 31, 1937, Serial No. 182,871
In Austria December 10, 1937
10 Claims. (Cl. 30—43)



1. A dry-shaving device of the mechanically-electrically operated type, consisting of an outer shear-plate and an inner shear-plate cooperating with the outer shear-plate, the outer shear-plate having in its middle part several rows of shear-openings of generally circular form and having on both side parts short cross-slots, at least a part of said cross-slots being united with at least a part of said shear-openings which thus form circular enlargements at the inner ends of the cross-slots.

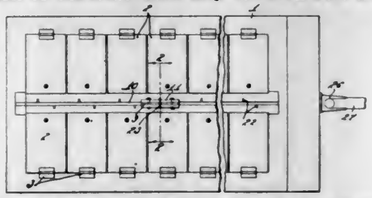
2,181,039
COIN CONTROLLED VENDING MACHINE

Robert E. Baker, Muncie, Ind.

Application August 18, 1938, Serial No. 225,502
8 Claims. (Cl. 292—1)

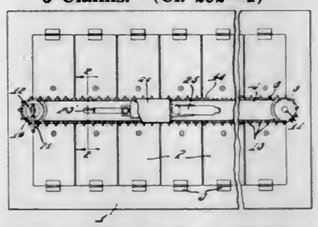
1. The combination with a plurality of closures, of a plurality of latching bolts associated with said closures, one for each closure, a plunger

movable relatively to the latching bolts into a position to coincide with any selected bolt and a



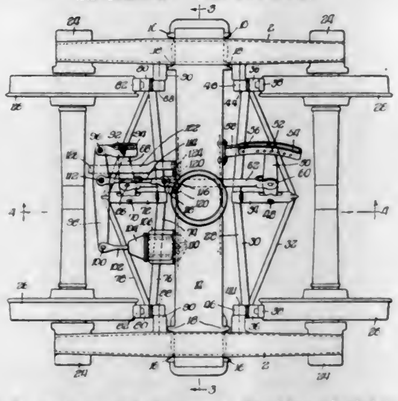
single operating member for moving said plunger to disengage the selected bolt.

2,181,040
COIN CONTROLLED VENDING MACHINE
Robert E. Baker, Muncie, Ind.
Application August 18, 1938, Serial No. 225,503
6 Claims. (Cl. 292—1)



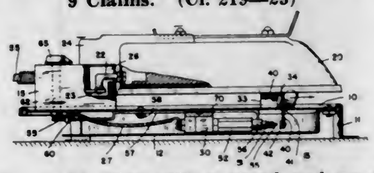
1. The combination with a plurality of closures, of a primary locking means common to all of said closures, a secondary locking means movable to selectively release any one of said closures, and means for operating said primary locking means to release all of said closures after said secondary means has been moved to its selected position.

2,181,041
FREIGHT CAR BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 7, 1938, Serial No. 206,503
22 Claims. (Cl. 188—52)



1. In a four wheel spring plankless freight car truck, spaced side frames, a load carrying member extending therebetween, power means and fulcrum means mounted on said load carrying member on one side thereof; and brake rigging comprising brake hangers supporting truss type beams intermediate the wheels, each of said beams having a compression member, a tension member and a central strut, and operating means comprising a dead cylinder lever connected at one end to the piston of said power means and connected intermediate its ends to said fulcrum, the opposite end of said cylinder lever having a connection to the upper end of a live truck lever, said truck lever having its lower end connected to one of said struts and a point intermediate its ends connected to a compression bar, said compression bar extending through said load carrying member and having its opposite end connected to a dead truck lever, said dead truck lever having its lower end connected to the other of said struts and its upper end pivotally fulcrumed from the opposite side of said load carrying member, the connections of the said several parts of said rigging to said load carrying member being so positioned relative to each other that the composition of forces therefrom is substantially balanced so that said load carrying member is in substantially static equilibrium with respect to said forces.

2,181,042
ELECTRIC HEATING DEVICE
Ralph H. Beach, Ann Arbor, Mich.
Application August 7, 1937, Serial No. 157,974
9 Claims. (Cl. 219—25)



1. In combination with a stand and an electrically heatable device adapted to be rested upon the stand during energization and having contacts adapted for detachable engagement with cooperating current supplying contacts carried by the stand, current controlling means carried by the stand and responsive to the temperature of the heatable device comprising a warp-type thermostat element, said thermostat having a portion upon which the heatable element is adapted to rest, means for supporting said portion of the thermostat from beneath in spaced position above the stand, in such manner that any weight of the heatable device imposed upon such thermostat portion is transmitted directly therethrough to the supporting means and without material distorting effect upon another portion of the thermostat, said first mentioned portion of the thermostat forming at least a part of the supporting means for said device and holding the same spaced above the body of the stand in such manner that heat from said device must pass through the thermostat before reaching the stand, and a switch controllable by the unaffected portion of the thermostat for governing the flow of current to said contacts.

2,181,043
FELTED FABRIC AND METHOD OF MAKING THE SAME
Hugo Boeddinghaus, Newburgh, N. Y., assignor to American Felt Company, New York, N. Y., a corporation of Massachusetts
Application July 8, 1939, Serial No. 283,424
12 Claims. (Cl. 28—1)

1. The method of producing a felted fabric which comprises forming a mixture of natural

fibrous material and stretched thermoplastic fibres into a batt, felting the batt to bond the



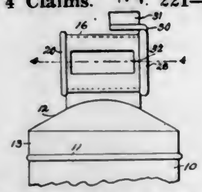
material and heating the same to shrink the thermoplastic fibres and thereby shrinking in the entire fabric in both directions.

2,181,044
ORNAMENTAL NAME PLATE AND THE LIKE
Frank J. Brown, Rochester, N. Y., assignor to Bastian Brothers Company, Rochester, N. Y., a corporation of New York
Application August 10, 1939, Serial No. 289,481
2 Claims. (Cl. 40—135)



1. A name plate and the like comprising a metallic back plate having a brilliant lined surface and thereby presenting an ornamental appearance in and upon said surface, and a Celluloid covering therefor having its inner face disposed against said back plate surface provided with translucent coloring matter forming a background through which the brilliant surface and lines of the back plate are seen in the color of said background and opaque matter of a distinguishing color forming a symbol within said background and obscuring the underlying portions of the back plate, a portion at least of the said Celluloid covering being transparent between the opaquely covered symbol and the translucent background, the back plate as viewed through the transparent portion of the Celluloid covering presenting a distinguishing color as compared to both the symbol and the background to thus present with the opaque coloring matter and translucent coloring matter a three color appearance simulating "cloisonné" enamel.

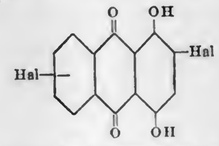
2,181,045
DISPENSING TOP FOR CONTAINERS
William G. Bursnall, Norfolk, Va.
Application September 28, 1937, Serial No. 166,179
4 Claims. (Cl. 221—106)



1. In a dispensing apparatus, a top member provided with a cyl ndrical bearing sleeve open at both ends and provided with circumferentially disposed inlet and outlet openings respectively, a sleeve-like dispensing shell rotatively mounted within said sleeve and having a radially disposed depression to provide a measuring pocket adapted to register with said openings, said shell being closed at one end and having means for closing the adjacent end of said sleeve, an end wall closing the other end of said shell, an actuator member located adjacent to the last mentioned end wall and also closing the adjacent end of said sleeve, said actuator member being secured to the last mentioned closed end wall of the shell in such manner that rotative movements may be imparted to the shell by movements of the actuator, and means located between the actuator member and said last mentioned wall of the shell for yieldingly holding the shell in such position that the measuring pocket thereof will normally be in register with said inlet opening.

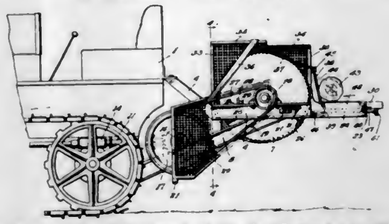
2,181,046
DIHALOGEN QUINIZARINS
Edwin C. Buxbaum, Shorewood, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 24, 1937, Serial No. 155,573
4 Claims. (Cl. 260—383)

1. A dihalogen quinizarin of the following general formula



wherein the second halogen atom is in one of the positions 6 and 7, said compound being substantially pure in form and free from isomeric compounds.

2,181,047
WOOD SAW
Hubert L. Collett, Novinger, Mo.
Application May 2, 1938, Serial No. 205,606
2 Claims. (Cl. 143—43)



1. In a saw structure, a main frame, a rotary saw shaft extending across the main frame and projecting from one side thereof, a saw blade carried by the projecting portion of said shaft, a carriage shiftable longitudinally of said main frame and having side bars, a cradle mounted between said side bars and including rollers rotatable in a direction transversely of the carriage, one side bar having a portion projecting laterally from the rear end of the carriage and then forwardly to provide an auxiliary supporting bar spaced outwardly from the carriage and the main frame and overlapping the saw blade, and a shield for the saw blade consisting of a stationary section carried by the main frame and an auxiliary section carried by the auxiliary supporting

bar, extensions projecting inwardly from upper marginal portions of the shield section across the saw blade, and braces for said extensions connected with the main frame and the carriage.

2,181,048

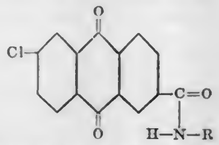
ANTHRAQUINONOYL-AMINO ANTHRAQUINONES

Joseph Deinet, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application July 6, 1937, Serial No. 152,146. Divided and this application November 29, 1937, Serial No. 177,051

2 Claims. (Cl. 260—368)

1. Compounds of the following general formula



wherein R stands for a radical of the anthraquinone series attached to the —N— in an alpha position.

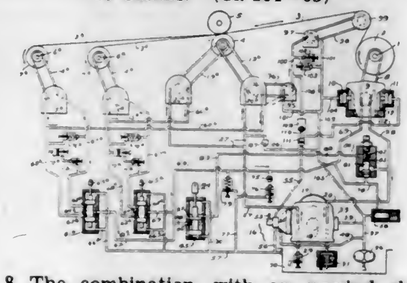
2,181,049

HYDRAULIC DRIVE

James K. Douglas, Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 19, 1939, Serial No. 251,675

20 Claims. (Cl. 164—65)



8. The combination, with an unwind shaft, means for fixing a parent roll of web material upon said shaft, a slitter for slitting said material into a plurality of strips, a winding shaft for each strip, and means for fixing the end of each strip to one of said winding shafts to rotate therewith, of a hydrodynamic machine mechanically connected to said unwind shaft, means for supplying liquid at a predetermined pressure to the inlet of said machine to cause said machine to drive said unwind shaft and thereby cause said material to be unwound from said parent roll, a plurality of hydraulic winder motors each individual to a winding shaft for rotating said winding shafts to cause said strips to be wound thereon, a plurality of mechanically synchronized hydraulic slitter motors connected to said slitter to drive the same and of a number equal to the number of winder motors, a pump driven at a substantially constant speed and adapted to deliver liquid to said motors at a uniform rate in excess of the rate required to cause said winder motors to drive said winding shafts at speed sufficient to wind up said strips as fast as they are delivered to said winding shafts, said slitter motors being connected to said pump in parallel with each other and each of said winder motors being connected in series with a slitter motor, means for bypassing around each of said winder motors the liquid delivered thereto in excess of the liquid required thereby, a normally closed channel connecting the outlet of said machine to the intake of said pump whereby said machine cannot discharge liquid in excess of the liquid consumed by said pump, means for varying the displacement of said machine to thereby vary the speed of said unwind shaft, and means responsive to the linear speed of said material varying relative to the rate at which said pump discharges liquid for adjusting said displacement varying means to thereby maintain the speed of said material substantially uniform.

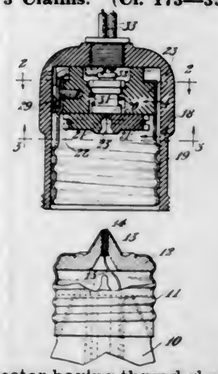
2,181,050

LAMP OR PLUG AND RECEPTACLE THEREFOR

Earl R. Evans, Jackson Heights, N. Y.

Application March 10, 1937, Serial No. 130,178

3 Claims. (Cl. 173—358)



1. A connector having threaded plug and socket elements, said plug comprising a wedge-shaped center contact member projecting from the body portion of the plug and of substantial length, a contact member in said socket adapted to be engaged by said first-mentioned contact member and slidably mounted insulating elements covering said socket contact member and constructed and arranged to be moved by the projecting wedge-shaped contact member of the plug to permit engagement thereof with said socket contact member as the elements of the connector are threaded together.

2,181,051

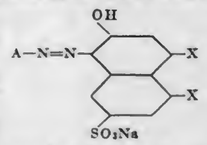
MONOAZO DYESTUFFS

Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 21, 1938, Serial No. 186,082. In Germany January 25, 1937

4 Claims. (Cl. 260—199)

1. The monoazodyestuffs of the formula:



wherein A stands for the radicle of a diazo component selected from the group consisting of the benzene and naphthalene series containing in o-position to the nitrogen atom a group capable of being metallized, one X stands for an acylamino group and the other X stands for hydrogen, which dyestuffs dye animal fibers various shades of excellent fastness properties when after-treated with chromium salts.

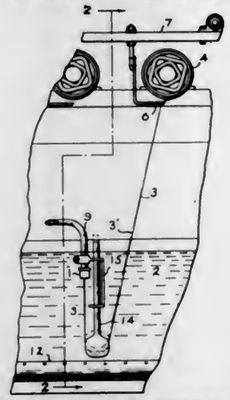
2,181,052

APPARATUS FOR THE MANUFACTURE OF ARTIFICIAL FILAMENTS

Louis S. Fryer, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application July 18, 1935, Serial No. 32,059

4 Claims. (Cl. 18—8)



1. Apparatus for manufacturing thread or the like comprising a coagulating bath; thread-forming means disposed in said coagulating bath; thread-receiving means disposed in proximity to said coagulating bath; a freely movable thread guide which is heavier than the liquid of which the coagulating bath is composed immersed in said coagulating bath in close proximity to said thread-forming means in a position to bear against and form a bend in the thread or the like; and means confining movement of said thread guide to a fixed substantially vertical path to cause it to maintain a substantially constant tension on the thread or the like by gravitational force.

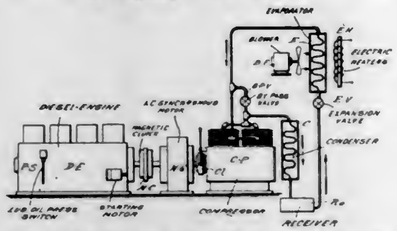
2,181,053

AIR CONDITIONING

William S. H. Hamilton, Larchmont, N. Y., assignor to The New York Central Railroad Company, a corporation of New York

Application August 9, 1938, Serial No. 223,958

18 Claims. (Cl. 257—3)



1. In a system of the character described, an electric circuit, a compressor, an A. C. synchronous electric motor in said circuit adapted to operate at a predetermined speed, said motor being coupled to the compressor to drive the same, means for connecting said circuit and motor with an outside source of current for supplying current to the circuit and operating the motor as such to drive the compressor, an internal combustion motor for driving the synchronous motor as a generator for supplying current to the circuit and for mechanically driving the compressor from the motor, and means operating when the internal combustion motor reaches a speed suitable for driving the synchronous motor at the predetermined speed for connecting said internal combustion motor to the synchronous motor.

2,181,054

MODIFIED ALKYD RESIN

Horace Arthur Hampton, Arthur Hill, and Edwin Brew Robinson, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 6, 1937, Serial No. 157,812. In Great Britain August 21, 1936

2 Claims. (Cl. 260—22)

1. Process for the manufacture of improved synthetic resinous materials which comprises reacting at 170°–240° C. phthalic anhydride, a fatty ingredient selected from the class consisting of drying oil acids, semi-drying oil acids, and the glycerides of such acids, 20% to 40% of colophony and 2.5% to 7% of maleic acid, said amounts of colophony and maleic acid being based on the weight of said fatty ingredient, and a polyhydric alcohol in amount not substantially exceeding a 10% excess over that required to esterify the total acidic reagents employed.

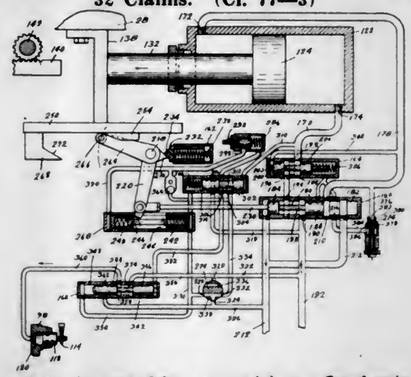
2,181,055

BORING MACHINE

Eric J. Hirvonen, Worcester, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts

Application August 31, 1936, Serial No. 98,683

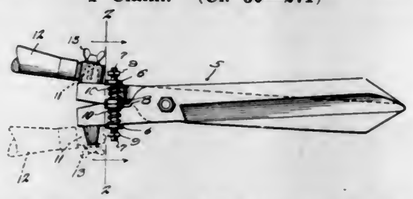
32 Claims. (Cl. 77—3)



1. A boring machine comprising a fixed spindle housing, a tool-carrying spindle rotatable in said housing and fixed against axial movement therein, a work supporting carriage movable toward and away from said spindle, hydraulic means for reciprocating said carriage toward and away from said spindle, a fixed abutment disposed in the path of advancing movement of said carriage for limiting the advance thereof, means including timing mechanism responsive to the engagement

between said carriage and said abutment for effecting the delayed retraction of said carriage away from said spindle and said abutment, and means for stopping the rotation of said spindle during the delay of the retraction of said carriage.

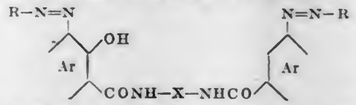
2,181,056
HEDGE SHEARS
Samuel M. Irvine, Great Neck, N. Y., assignor of one-half to Rosa B. Koehler, Great Neck, N. Y.
Application July 22, 1938, Serial No. 220,808
1 Claim. (Cl. 30—271)



In a pair of shears of the character set forth comprising pivotally connected blades, upwardly disposed apertured lugs formed on the outer edges of the blades rearwardly of their pivotal connection, plungers of lengths greater than half the distance between the lugs when the blades are closed slidably disposed in the apertures of the lugs, opposed heads formed on the inner ends of the plungers in abutting relation when the blades are closed, expansible coil springs on the plungers between the heads thereon and lugs, and means on the free ends of the plungers in spaced relation to the lugs when the blades are closed for adjusting the expansion of the springs.

2,181,057
AZO DYESTUFFS
Hans Krzikalla and Wolfgang Alt, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 5, 1938, Serial No. 206,204. In Germany May 24, 1937
11 Claims. (Cl. 260—184)

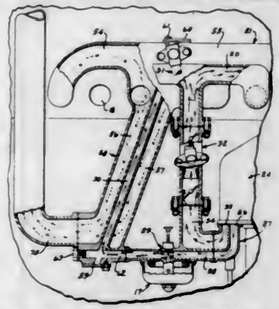
1. Azo dyestuffs of the general formula



wherein R and Ar represent aromatic radicles, and wherein X stands for an arylene radicle containing at least one salt forming member of the group consisting of sulphonic and carboxylic acid groups which groups are externally attached to the arylene radicle by means of an aliphatic chain.

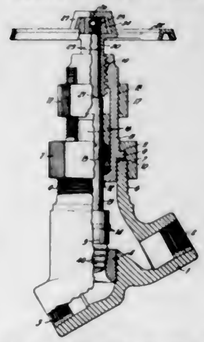
2,181,058
GASIFIER
Carl B. Larsen, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application October 21, 1936, Serial No. 106,775
14 Claims. (Cl. 123—133)

1. In a gasifier for an internal combustion engine, a primary air passageway, a fuel nozzle arranged to communicate with said passageway, a passageway leading to said engine, and spaced flow controlling valves in the second-mentioned air passageway, said primary air passageway communicating with said second-mentioned passageway between said valves, a connection from one of said valves to the other including a stop for positively actuating the second-mentioned valve from movements of the first-mentioned valve in one direction, a yieldable element arranged to impositively urge said second-mentioned valve from movements of said first-mentioned valve



in the opposite direction, means for moving said first-mentioned valve for controlling said engine, and means for moving said second-mentioned valve independently of said first-mentioned valve by virtue of yielding of said yieldable element, for temporarily changing the relation between said valves.

2,181,059
VALVE
Henry B. Lee, Troy, N. Y., assignor to The Ludlow Valve Manufacturing Co. Inc., Troy, N. Y., a corporation of New York
Application May 17, 1937, Serial No. 142,977
7 Claims. (Cl. 251—49)

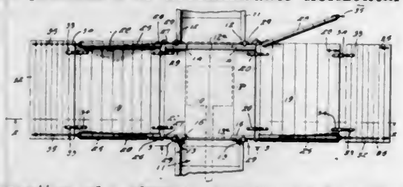


1. In a valve of the character described, the combination with a body, of a stem, and means cooperating with said body and stem and rotatable with respect to both for moving said stem relative to said body both to open and close the valve; said means being formed of a material having a substantially higher coefficient of thermal expansion and contraction than the material of the stem; whereby upon the cooling and contraction of said means it will urge said stem in a valve-closing direction.

2,181,060
FEED TABLE FOR BALERS
Benjamin C. Leonard, Monroe, Mich.
Application March 3, 1938, Serial No. 193,760
5 Claims. (Cl. 100—25)

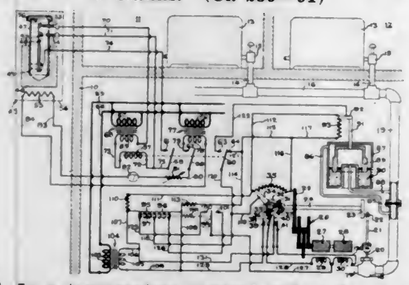
1. Apparatus of the class described having baling means provided with a table, spaced walls

rising from said table, each wall having an unobstructed opening therethrough leading to the table positioned to accommodate horizontal re-



ciprocation of a plunger, auxiliary tables pivoted at opposite sides to the first mentioned table, and means to secure the auxiliary tables in an operative position and in a folded position.

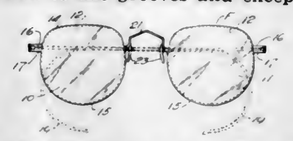
2,181,061
TEMPERATURE CONTROL SYSTEM
William L. McGrath, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 5, 1935, Serial No. 39,264
6 Claims. (Cl. 236—91)



4. In a temperature control system for an enclosure, the combination of, valve means for controlling the supply of temperature changing fluid to the enclosure, electric motor means for positioning the valve means, first current controlling means operated in response to the rate of flow of the temperature changing fluid, means including circuit connections between the electric motor means and the first current controlling means for controlling the operation of the electric motor means and hence the valve means in accordance with the rate of flow of the temperature changing fluid to maintain the rate of flow of the temperature changing fluid substantially constant, and second current controlling means operated in response to changes in temperature included in said circuit connections for interrupting the circuit connections between the first current controlling means and the electric motor means to render the first current controlling means inoperative to position the electric motor means and for operating the electric motor means to close the valve means.

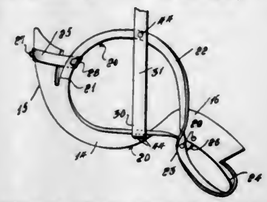
2,181,062
INVISIBLE RIM SPECTACLES
Ira W. Mefferd, Ainsworth, Nebr.
Application September 2, 1938, Serial No. 228,207
1 Claim. (Cl. 88—47)

In spectacles, eyeglasses and the like, in combination, a pair of lenses, a pair of eyewires, temple connections, and a bridge, said lenses each having front and rear faces, top and bottom, and nasal and temple sides, and their edges in the form of an endless groove, said groove extending from face to face of the lenses, said eyewires each having as end portions thereof, coacting parts forming temple connections outwardly projecting with respect to the temple sides of said lenses, said eyewires being complementary in cross-section to the grooves and except for said



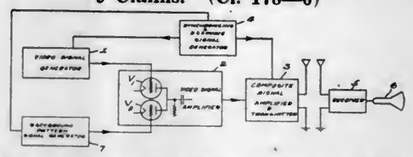
coacting parts being equal to and no greater in cross-sectional area than the area of said endless grooves, whereby to completely conceal the eyewires from view when the spectacles are being worn, except to observation directly from an edge of the lenses, and said eyewires being connected by said bridge.

2,181,063
SWING
James W. Miller, Roosevelt, Okla.
Application August 4, 1938, Serial No. 223,120
8 Claims. (Cl. 155—58)



6. In a swing, a chair shaped member formed from a flexible strip having its intermediate portion and one end bent longitudinally and transversely to provide a concave seat and a rounded upwardly curved back rest, respectively, the opposite end of said strip being bent longitudinally and transversely in the opposite direction and curved downwardly to provide a leg rest, arms connected at their ends to the ends of said strip and having arcuately shaped intermediate portions disposed above and on each side of the seat, and rigid reinforcing members secured across the ends of said strip for fixing the shape thereof.

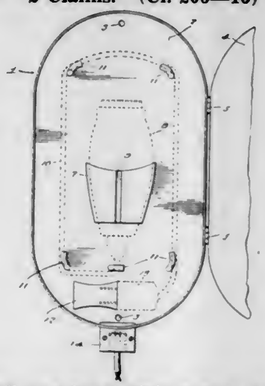
2,181,064
TELEVISION SIGNAL SYSTEM
Albert F. Murray, Haddonfield, N. J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 11, 1936, Serial No. 58,751
9 Claims. (Cl. 178—6)



1. In a television system employing a video signal generator including a camera tube and in which a certain scanning frequency is employed, apparatus for producing a background pattern for reproduced intelligence, comprising means independent of said video signal generator for producing a background pattern wave signal having a transmittable frequency bearing a predetermined relation to said scanning frequency,

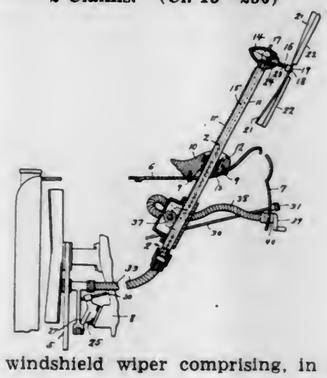
means for modulating said wave signal with another signal, means for applying said modulated wave signal to the intelligence transmission channel at a point subsequent to the camera tube and ahead of the video signal reproducer, and means at the receiving station for demodulating said wave signal.

2,181,065
WALL CASE
Albert G. Pfeiffer, Stamford, Conn., and Edwin E. Murdock, Center Moriches, N. Y.
Application April 29, 1938, Serial No. 205,106
2 Claims. (Cl. 206—16)



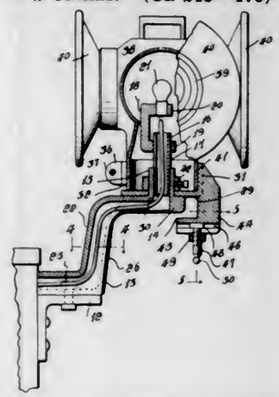
1. A wall case for electric razors comprising, in combination, a cabinet adapted to be mounted on a support, said cabinet including a back and being open at its front, a hinged door on the cabinet for the front thereof, a holder, for the reception of an electric razor, fixed in the cabinet on the back, a plurality of spaced brackets mounted on said back in the cabinet for receiving and supporting an electric cord wound thereon and attached to the razor, and a dead receptacle mounted in the lower portion of the cabinet for receiving an electric plug on one end of the cord, the holder being open at its top and bottom and conforming substantially to the shape of the razor, said holder having a vertical slot therein extending between its upper and lower ends for the passage of the electric cord.

2,181,066
ROTARY WINDSHIELD WIPER
Richard C. Rau, Jamaica Plain, Mass.
Application June 11, 1938, Serial No. 213,263
2 Claims. (Cl. 15—250)



1. A windshield wiper comprising, in combination, a guide adapted to be mounted on the engine cowl of an automobile, a shaft casing disposed at an angle to the perpendicular and movable through said guide, a gear casing on the upper end of said shaft casing, a rotary fan having a shaft extending into said gear casing, a shaft in said shaft casing, gearing in said gear casing connecting the fan shaft and the second-named shaft, and mechanism mounted beneath the cowl and connected with said shaft casing for moving the latter in either of two directions through said guide, means for driving the shaft in said shaft casing, and said fan having blades provided with wipers extending therefrom and adapted to engage the outer surface of a windshield.

2,181,067
ELECTRIC REVOLVING SIGNAL LIGHT FOR RAILWAY SWITCHES
Clarence J. Reigh, Altoona, Pa.
Application August 12, 1937, Serial No. 158,802
2 Claims. (Cl. 246—476)

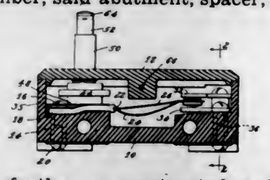


1. In combination with a railway switch signal comprising a light bulb provided with a stationary support and an electric conduit leading to a source of current, a lamp casing enclosing said bulb and mounted to revolve with the operation of the switch, said lamp casing being supported by a cup shaped member swivelly mounted and provided with a depending portion operably connected to the switch mechanism; said cup shaped member including a base and an annular flange connected through a portion of its length to said base, and said flange being split and provided with ears to receive suitable means to clamp said flange to said lamp casing.

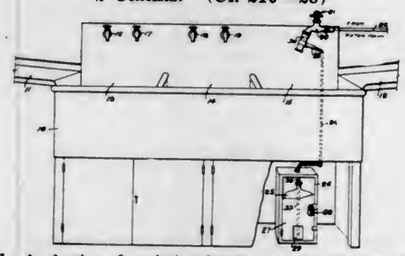
2,181,068
ELECTRIC SNAP SWITCH CONSTRUCTION
Arthur L. Riche, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application November 26, 1937, Serial No. 176,535
15 Claims. (Cl. 74—100)

1. In combination in a snap switch of the class described, a snap mechanism comprising a member adapted to be flexed to operate said snap mechanism, an actuator movable to flex said member, and stop means for said actuator so positioned as to limit to a predetermined value the movement of said actuator beyond the position thereof at which said snap mechanism operates, said stop means comprising an abutment

member and a spacer, said spacer being interposed between said actuator and said abutment member, and abutting directly against said abutment member, said abutment, spacer, and actuator being further so constructed and arranged, and said member to be flexed being so positioned with respect thereto that the actuator transmits the actuating force to said member to be flexed independently of said spacer.

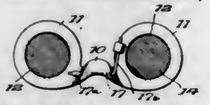


2,181,069
MEANS AND METHOD FOR CHLORINATING WATER
James D. Robinson, Memphis, Tenn.
Application October 15, 1938, Serial No. 235,216
2 Claims. (Cl. 210—28)



1. A device for introducing a sterilizing fluid into a liquid for washing plates, glasses and the like, comprising liquid supply means for supplying liquid under pressure, a nozzle operatively attached to said liquid supply means, said nozzle having a Venturi section including a restricted throat, sterilizing fluid supply means, fluid connection means from said fluid supply means to said restricted throat, said fluid connection means extending upwardly to said restricted throat and terminating in a tube extending upwardly into said throat, said tube having a calibrated orifice substantially at the end thereof, whereby the flow of liquid through said nozzle raises sterilizing fluid into mingling contact with said liquid, and whereby gravitation establishes sharp cut-off of said fluid upon the cessation of liquid flow.

2,181,070
DEVICE FOR PREVENTING PICK-OUTS
Maurice L. Rudolph, Vineland, N. J.
Application January 14, 1938, Serial No. 185,059
8 Claims. (Cl. 119—97)



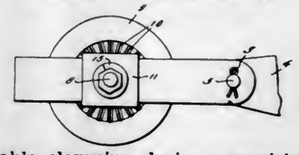
1. A goggle-like device for preventing pick-outs comprising two spaced apart members connected by an intermediate arcuate portion adapted to rest upon the beak of a fowl, transparent color modifying means carried by said arcuate portion, said arcuate portion having oppositely disposed openings one of which is elongated, and a pin adapted to be passed through said openings and also through the breather openings of the fowl so as to anchor the device to said beak, said pin being rotatable within said openings and having a flattened portion adapted to extend transversely across said elongated opening upon partial rotation of said pin.

2,181,071
BROOCH
Malle Little Russell, Philadelphia, Pa.
Application May 19, 1938, Serial No. 208,884
3 Claims. (Cl. 24—87)



1. A device of the character described comprising a body member, abutments fixed to one face of said body member adjacent opposite edges thereof and projecting laterally therefrom, a relatively short substantially straight needle-like element carried by each abutment, said elements having their pointed ends extending toward and substantially in alignment with each other and spaced a substantial distance apart, said elements lying in a common plane substantially parallel to the portions of said body member to which said abutments are fixed and having their remote ends fixed to portions of said abutments which face toward each other, each abutment having a continuous smooth surface diverging sharply in all directions from the needle-like element fixed thereto to present a smooth abrupt enlargement to fabric impaled on said elements to prevent the fabric from sliding over said abutments and from becoming abraded or otherwise injured thereby.

2,181,072
CABLE CLAMP
Eugene Thomas Sayers, Falmouth, Ky.
Application May 3, 1939, Serial No. 271,615
2 Claims. (Cl. 175—376)

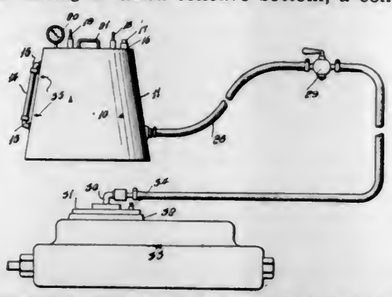


1. A cable clamping device comprising a substantially U-shaped strap the legs of which at the open end of the U are equipped for attachment to a pole-mounted suspension element, a bolt extending through the legs of said U-shaped member, a grooved cable-accommodating wheel rotatably supported by said bolt between the legs of said member, said wheel being provided on one side thereof with a circular series of teeth, an apertured plate engaging said bolt at one side of said U-shaped member, said plate being provided at the corners thereof with teeth engageable with the teeth on said wheel for securing the latter against rotative movement.

2,181,073
HYDRAULIC BRAKE SYSTEM FLUSHER AND BLEEDER
Fred W. Schafer and George W. Stephens, Denver, Colo.
Application May 27, 1937, Serial No. 145,162
1 Claim. (Cl. 188—152)

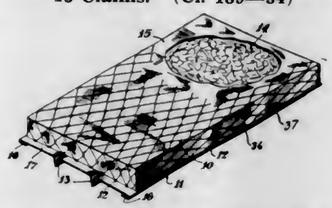
In a self-contained apparatus for flushing and

bleeding hydraulic brake systems, an air tight tank having inlet and outlet openings provided with plugs for filling and draining said tank, an air valve for supplying compressed air thereto, a blow-off valve to release excess pressure, said tank having a raised concave bottom, a conduit



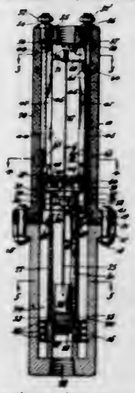
connected adjacent one of its ends to said tank, said end depending downwardly into said bottom, an adapter connected to the opposite end of said conduit and adapted to be connected to the inlet of a brake system master cylinder, and an exhaust valve mounted in said adapter for releasing the air from said system.

2,181,074
HEAT INSULATING PANEL
Roy J. Scott, Forest Hills, N. Y., assignor to Alfol Insulation Company, Inc., a corporation of Delaware
Application May 27, 1939, Serial No. 276,084
15 Claims. (Cl. 189—34)



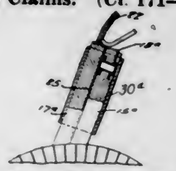
1. A heat insulating metal panel, adapted for use as an easily replaceable unit of a heat insulating assembly for high temperature industrial equipment, comprising a backing member formed from reticulated metal of substantially the strength of expanded metal, said backing member constituting one reticulated face of the panel, a sheet metal cover constituting the other closed face of the panel and spaced metal members connecting said reticulated backing member and said sheet metal cover at marginal points, said panel faces being connected in spaced relationship so as to provide therebetween a space for insulating material, heat insulating material located within said space and confined by said reticulated backing member and said sheet metal cover, said reticulated member having sufficient strength to protect the insulating material and prevent it from being deleteriously compressed between said sheet metal cover and the insulated structure, the inherent slight flexibility of said reticulated backing member in combination with said spaced metal connectors between this backing member and the sheet metal cover giving the panel sufficient flexibility and compressibility to allow slight deformation of the panel to compensate for surface irregularities and to conform generally to the gentle curvature of the object to be insulated.

2,181,075
FLOW METER SYSTEM
Carroll P. Sherwood, Camden, N. J.
Application August 8, 1934, Serial No. 738,968
6 Claims. (Cl. 73—209)



1. In a flow meter structure, a flow chamber comprising an outer tubular member, an inner tubular member concentrically arranged in the outer member and having one end secured to the adjacent end of the outer member to form an open-ended cistern, means for providing a flow of liquid through said inner member, a metering device in said inner member and movable in response to changes in the rate of flow of the liquid therethrough, an annular piston in said cistern, and connecting means between said piston and said metering device for imparting to said piston movements in response to the movements of said metering device.

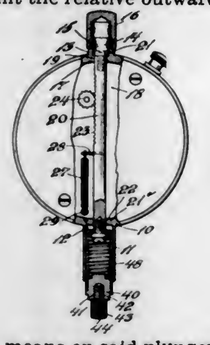
2,181,076
ELECTRICAL BRUSH
William Siebenmorgen, Westfield, N. J., assignor to Speer Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application July 23, 1938, Serial No. 220,865
16 Claims. (Cl. 171—324)



2. A sectional contact brush for sliding electrical contact devices, which comprises a plurality of longitudinal brush sections in side-by-side arrangement with their adjacent surfaces transverse to the direction of movement of the sliding contact, an extension secured to one of said sections extended laterally for engagement with another whereby pressure upon the former may be transmitted to the latter for holding both against a contact surface but said extension and its engagement with the second-named section being adapted to accommodate relative longitudinal movement between said sections.

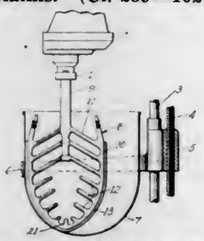
2,181,077
SHOCK-ABSORBING DIAL INDICATOR
Chauncey C. Street, Providence, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island
Application October 19, 1938. Serial No. 235,797
2 Claims. (Cl. 33—172)

1. In an indicating instrument, a casing, a tubular stem projecting from the casing, a wall separating the cavity of said stem and casing and provided with a bearing opening, a plunger slidably guided in said bearing opening, a contact member slidably guided in said stem and projecting therebeyond and loosely engaging said plunger, means to limit the relative outward movement



of said plunger, means on said plunger and member to limit the outward movement of said member and a spring acting between said member and plunger to cause outward movement of said member and permit inward movement of said member relative to the plunger upon sudden application of a force overcoming the expansion force of said spring.

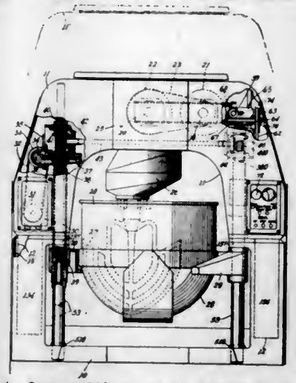
2,181,078
MIXING MACHINE BEATER
Walter F. Dehuff, Glen Rock, Pa., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application May 26, 1937, Serial No. 144,796
5 Claims. (Cl. 259—102)



1. In a beater, the combination with a driving shank providing means for rotating it in a mixing bowl, of a beater head including a beater blade with a rigid upright outer member shaped to conform to the general inside contour of a bowl, arms joining said member to said shank, a flexible strip of rubbery material detachably affixed along the outer edge of said member and arranged to engage and scrape the sides of a bowl during the rotation of said beater therein.

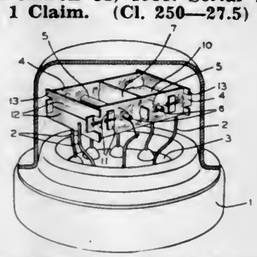
2,181,079
MIXING MACHINE
Walter F. Dehuff, Glen Rock, Pa., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application October 30, 1937. Serial No. 171,959
32 Claims. (Cl. 259—102)

1. In a mixing machine, a support for a mixing receptacle, a head, a mixer mounted thereon for mixing movement in said head, mechanism for lifting said support, driving means for rotating said mixer, control means for incapacitating said mechanism for limiting the upward movement of said support, said mechanism also operating to lower said head, means operating as said support approaches the limits of its upward



movement for setting said driving means for operation and means for operating said driving means.

2,181,080
DOUBLE DIODE
George F. Elston, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 31, 1938. Serial No. 199,138
1 Claim. (Cl. 250—27.5)

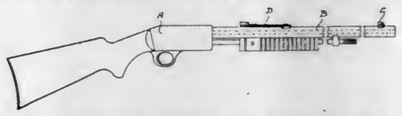


A unitary electrode assembly for electron discharge devices comprising a pair of parallel insulating spacers, a cathode supported at its ends in said spacers, a cylindrical sheet metal anode around said cathode, said anode having a longitudinal flange, said flange comprising side-by-side sheet metal flaps welded together and integral with the cylindrical anode, fins perpendicular to the plane of said flange integral with the edges of said flaps remote from said anode, means for firmly attaching said spacers to the ends of said flange and for preventing tilting of the spacers comprising an ear extension at each end of said flange integral with the flaps extending through an opening in the spacers and a lug extension on each end of each fin, the lug extensions at one end of the fins being on opposite sides of and removed from the plane of said flange, and the edges of the lugs engaging opposite edges of the spacer, the distance between the edges of the lugs being slightly less than the width of the spacer between the lugs.

2,181,081
GUN SIGHT
John E. Ganaway, Fort Smith, Ark.
Application October 4, 1937. Serial No. 167,303
5 Claims. (Cl. 88—2.2)

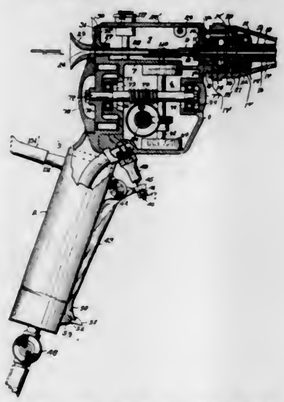
1. In a sighting means for guns, a front sight

embodying a base block for attachment to the gun barrel and having a dovetail groove extending longitudinally of the barrel, a holder slidably fitting in said groove and having upstanding opaque side plates, yieldable means on the holder and engageable with the base block for releasably retaining the holder in position on the base block, and a prism mounted between said plates and having exposed top and rear faces.



3. In a sighting means for guns, a right triangular prism providing a flat light diffusing top face, a flat light diffusing rear face and a flat diagonal reflecting face disposed at an angle of between 45 and 30 degrees to the top face, and means for mounting the prism on a gun barrel with said top face parallel to the bore of the gun and said rear face perpendicular to the bore whereby light rays falling upon the top face of the prism are directed so as to illuminate the rear face of the prism in the line of sight of the gun.

2,181,082
METAL SPRAY GUN
George L. Hammon, San Francisco, Calif., assignor to National Welding Equipment Company, San Francisco, Calif., a corporation of California
Application December 17, 1934, Serial No. 757,876
15 Claims. (Cl. 91—12.2)



1. A metal spray gun of the class described comprising a body, a burner, a pair of movably mounted feed rollers adapted to feed a wire to said burner, means to drive said feed rollers, means to move both of said rollers towards each other to grip the wire, and to move said rollers away from each other to release the wire.

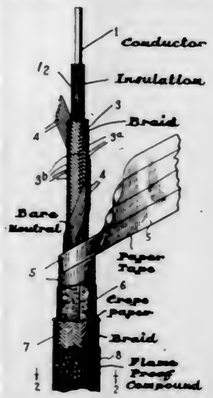
2,181,083
LAMINATED CONTACT
Joseph Arthur Payette, Attleboro, Mass., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application January 2, 1936, Serial No. 57,155
2 Claims. (Cl. 200—166)

1. An electrical contact button comprising a disc having a silver facing and a high electrical resistance ferrous metal backing superficially se-



cured together, said backing having at least one projection extending therefrom adapted to facilitate welding said contact button to its support.

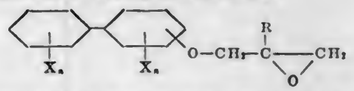
2,181,084
ELECTRICAL CABLE
James Nelson Aken, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application July 10, 1936, Serial No. 89,908
4 Claims. (Cl. 174—115)



1. An electrical cable for use in wiring of buildings, comprising in combination, an insulated conductor, a flexible non-conductive protective sheath enclosing said insulated conductor formed of a plurality of closely placed relatively heavy spiral strands of tough dense fibrous material braided with a plurality of relatively light spiral strands of flexible fibrous material, a bare neutral stranded conductor of ribbonlike form spirally wrapped with a long lay directly over said sheath, a substantially continuous nonconductive covering of fibrous material overlying and directly contacting said bare neutral conductor, a relatively thin flexible sealing layer of fibrous material over said continuous nonconductive covering, and an outer flame and moisture resistant fabric braid.

2,181,085
ETHER
Francis N. Alquist and Harold R. Slagh, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 17, 1938, Serial No. 225,418
6 Claims. (Cl. 260—348)

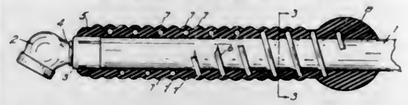
1. An ether having the formula



wherein each X represents a member of the group consisting of the chlorine, bromine, iodine, nitro,

alkyl, alkenyl, aralkyl, cycloalkyl, alkoxy, carboalkoxy radicals and hydrogen, R represents a member of the group consisting of hydrogen and the methyl radical, and n is an integer not greater than 2.

2,181,086
HOSE GRIP AND PROTECTOR
Joseph H. Bohrer, Erie, Pa., assignor to Continental Rubber Works, Erie, Pa., a corporation of Pennsylvania
Application February 23, 1938, Serial No. 192,113
1 Claim. (Cl. 138—61)

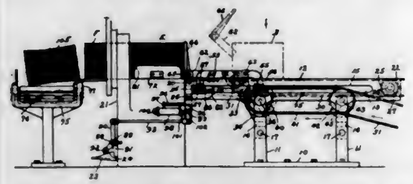


A hose grip and protector comprising a rubber tube adapted to fit over and engage the walls of the hose to be gripped and protected, said tube having an integral rubber enlargement at one end forming a reel stop, the enlargement being of greater diameter than the balance of the tube and the body of said tube being formed of resilient rubber throughout.

2,181,087
DETERGENT COMPOSITION
Coleman R. Caryl and Alphons O. Jaeger, Mount Lebanon, Pa., assignors to American Cyanamid & Chemical Corporation, Bridgeville, Pa., a corporation of Delaware
No Drawing. Application July 7, 1937, Serial No. 152,372
5 Claims. (Cl. 87—5)

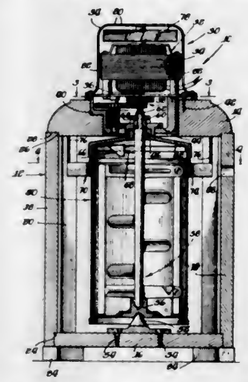
1. A detergent composition in the form of a neutral powder which is stable, non-caking and readily soluble in water, comprising a spray-dried mixture of the sulfosuccinic ester of an aliphatic alcohol having from 5 to 8 carbon atoms and a water-soluble, non-hygroscopic carrier which is stable at spray-drying temperatures and which exhibits when in a saturated solution a pH value between 6.5 and 8.5.

2,181,088
PRINTING AND BUNDLING MACHINE
Albert J. Horton, White Plains, and Stanley C. Freeman, Mount Vernon, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application February 12, 1937, Serial No. 125,484
18 Claims. (Cl. 93—93)



1. In combination, means for conveying a stack of printed products to a predetermined point, a bundling mechanism constructed and arranged to secure a flexible element around the stack of products to form a bundle, a carriage mounted for reciprocatory movement in a common plane, and means operably supported by the carriage and movable relative thereto for operation in separate planes for engaging and moving the stack from the said point of delivery into the bundling mechanism, said means moving in one plane when moving towards the bundling mechanism and in a different plane when moving therefrom.

2,181,089
ICE CREAM FREEZER
Harry J. Kettleborough, Mendota, Ill., assignor to H. D. Conkey & Company, Chicago, Ill., a corporation of Illinois
Application June 3, 1938, Serial No. 211,578
4 Claims. (Cl. 259—53)

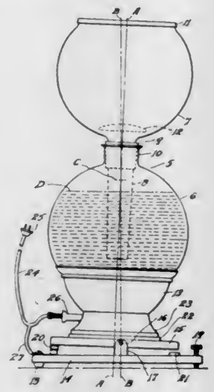


1. In an ice cream freezer, a refrigerant receptacle including bottom and side walls, an ice cream mix container within said receptacle, a removable closure for the top of said receptacle for insulating the interior of the receptacle from the surrounding atmosphere, means in the receptacle for supporting said container centrally with respect to the receptacle while permitting free rotation of the container within said means, said last-named means comprising an embracing bearing portion in which the upper portion of the receptacle is journaled for rotation, a motor carried by the closure, coupling means connected with said motor drive shaft and adapted for detachable automatic coupling with respect to the container when the closure is disposed in operative position upon the receptacle, said supporting means having outwardly projecting portions fixedly engaging the receptacle for fixedly locating the bearing portion within said receptacle and for maintaining the container in operative position for engagement by said coupling means while permitting free rotation of the container for freezing ice cream mixed therein.

2,181,090
AUTOMATIC CONTROL FOR COFFEE MAKERS
Louis V. Lucia, West Hartford, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application November 4, 1936, Serial No. 109,087
9 Claims. (Cl. 219—43)

1. In combination a lower bowl, an upper bowl, mounted upon said lower bowl, heating means whereby liquid in the said lower bowl is heated and caused to be transferred into the said upper bowl, a movable member adapted to support said bowls substantially in vertical position thereon and to be operated by the shifting of the weight of said liquid from one of said bowls

to the other and an electric switch separate from said bowls and operable by said movable



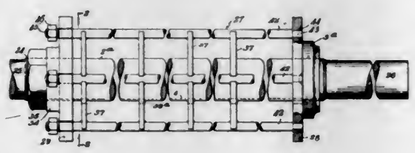
member to control the operation of said heating means.

2,181,091

TEXTILE MACHINE

Robert W. McLean, Bridgewater, Mass., assignor to The Murray Company, Dallas, Tex., a corporation of Texas

Application August 20, 1937, Serial No. 160,070
11 Claims. (Cl. 19—63)



1. An adapter device for supporting duplex saw cylinder type saws upon a whole saw cylinder type shaft of circular cross section, comprising a cylindrical support of an external diameter substantially equaling the diameter of the aperture in a standard duplex type cylinder saw, and having an axial passage of a diameter such as to receive a whole saw cylinder type shaft with a snug fit, means for securing a series of duplex cylinder type saws with rigid intervening spacers upon said support before mounting the latter upon the shaft, and means whereby the support with the saws and spacers assembled thereon may be removably fixed as a unit to a whole saw cylinder type shaft.

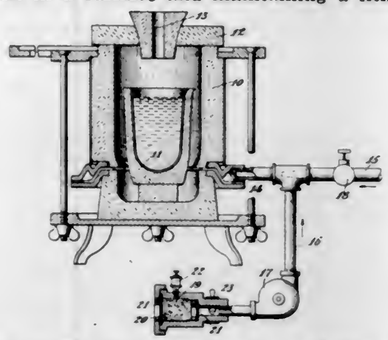
2,181,092

METALLURGICAL PROCESS AND APPARATUS

Harold J. Ness, Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y., a corporation of New Jersey

Application March 6, 1936, Serial No. 67,547
Renewed October 18, 1939
21 Claims. (Cl. 75—76)

1. The method of producing lithium copper comprising heating said copper in a molten condition in a furnace and maintaining a lithium



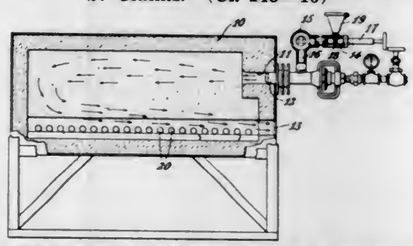
vapor in the furnace atmosphere during said heating of the copper.

2,181,093

HEAT TREATMENT OF METALS

Harold J. Ness, Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y., a corporation of New Jersey

Application January 26, 1938, Serial No. 186,941
27 Claims. (Cl. 148—16)



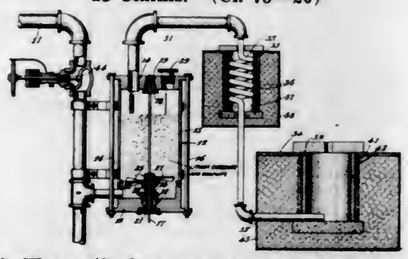
1. The method of preventing substantial oxidation of metals during the heating thereof comprising conducting the heating at the required temperature in an atmosphere containing a lithium compound and carbon monoxide.

2,181,094

METALLURGICAL PROCESS

Harold J. Ness, Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y., a corporation of New Jersey

Application May 19, 1937, Serial No. 143,411
Renewed August 18, 1939
13 Claims. (Cl. 75—20)



1. The method of creating an atmosphere containing lithium metal in a furnace or the like comprising mixing a pulverulent compound of lithium with powdered carbon, introducing said mixture with oxygen or an oxygen containing

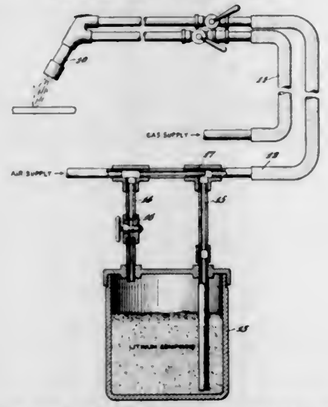
gas into a furnace and maintaining a sufficient temperature in said furnace to effect a reduction of the lithium compound to metallic lithium.

2,181,095

HEATING TORCH

Harold J. Ness, Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y., a corporation of New Jersey

Application August 19, 1936, Serial No. 96,727
Renewed August 10, 1939
10 Claims. (Cl. 263—52)



1. The method of preventing oxidation in the heating of metals by a torch which comprises introducing lithium or a compound of lithium into the flame of the torch.

2,181,096

PRODUCTION OF FERREOUS METALS

Harold J. Ness, Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application August 19, 1936, Serial No. 96,818. Renewed August 5, 1938
13 Claims. (Cl. 75—45)

1. The method of making lithiated ferreous metals which comprises heating said metals to the melting point in an atmosphere which exhibits a strong lithium spectrum.

2,181,097

FURNACE

Harold J. Ness, Bloomfield, N. J., assignor to Nesaloy Products, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application November 27, 1936, Serial No. 112,988. Renewed October 20, 1939
19 Claims. (Cl. 75—95)

1. The method of conditioning a furnace in which a lithium containing atmosphere is to be produced which comprises applying to the linings of such furnaces a compound of lithium in a liquid dissolving or suspending medium.

2,181,098

PHENYLMERCURIC CITRATE AND METHOD OF MAKING SAME

Ralph P. Perkins, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Original application July 31, 1933, Serial No. 683,017. Divided and this application November 18, 1938, Serial No. 241,179
3 Claims. (Cl. 260—434)

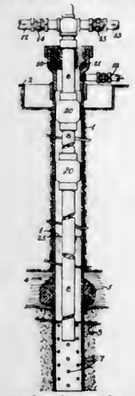
3. Phenylmercuric citrate.

2,181,099

GAS LIFT OR NATURAL FLOW WELL

Howard C. Pyle, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application April 24, 1937, Serial No. 138,769
3 Claims. (Cl. 166—1)



1. Means for reducing the bottom-hole back-pressure required for a given rate of production in a naturally flowing or gas lift well comprising in combination a well containing tubing and casing and means supported by said tubing near the bottom of said casing to substantially seal the annular spacing therebetween and means to maintain a reduced gas pressure in the annular space between the tubing and the casing above said sealing means.

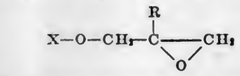
2,181,100

ETHERS OF HYDROGENATED PHENOLS

Harold R. Slagh and Francis N. Alquist, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 17, 1938, Serial No. 225,419
6 Claims. (Cl. 260—348)

1. A compound having the formula



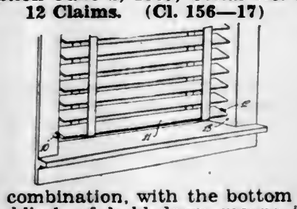
wherein X—O represents a hydrogenated phenol residue, and R represents a member of the group consisting of the methyl radical and hydrogen.

2,181,101

VENETIAN BLIND ATTACHMENT

Elmer H. Spenard, Chicago, Ill., assignor to Crest Specialty Company, Chicago, Ill., a corporation of Illinois

Application June 2, 1939, Serial No. 277,052
12 Claims. (Cl. 156—17)

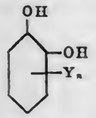


1. The combination, with the bottom rail of a Venetian blind, of hold-down means including

casement engaging members at opposite ends of said rail, at least one of said members being extensible along an axis extending longitudinally of the rail for movement into and out of gripping engagement with the casement, said extensible member being provided with locking means arranged to lock the same into a desired position by rotative movement of said extensible member relative to its axis of extension, said member being further arranged and constructed to be turned into and out of locked position by turning movement of said bottom rail about its own long axis when said last-mentioned extensible member is pressed into engagement with the casement.

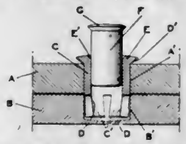
2,181,102
STABILIZATION OF POLYMERIZABLE VINYL COMPOUNDS
Sylvia M. Stoesser and Wesley C. Stoesser, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 4, 1937, Serial No. 146,520
5 Claims. (Cl. 23—250)

1. A liquid composition comprising a styrene compound and a proportion of a catechol derivative having the general formula



wherein Y represents a hydrocarbon radical and *n* is an integer from 1 to 4 sufficient to inhibit polymerization of the styrene compound.

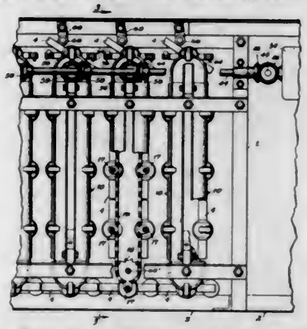
2,181,103
FASTENING MEANS
Frank Louis Davis, College Point, N. Y.
Application February 2, 1937, Serial No. 123,572
5 Claims. (Cl. 85—2)



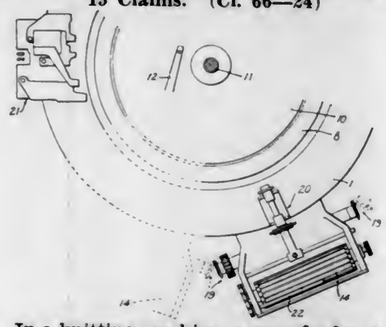
1. A device of the character described combining a plurality of sheets of material having coaxial openings with fastening means comprising a member adapted to be inserted in said openings, means for locking said member against the inner wall of one of said openings, and means for drawing the said sheets together, the last named means comprising an element having a head of greater diameter than the opening in the adjacent sheet and projecting above the plane of the face of the last named sheet, said head being tapered upwardly and outwardly, and when peened drawing together said sheets.

2,181,104
ADVERTISING DEVICE
Henry James Moorhouse, South Range, Wis.
Application March 14, 1939, Serial No. 261,703
18 Claims. (Cl. 40—97)

1. A sign comprising a frame, a plurality of groups of sign units arranged in a row, each unit including a plurality of independently rotatable sign elements, means forming part of said groups for causing said sign elements of each group to travel at right angles to said row in a given path having a front end and a rear end, means at the front end of said path for causing said sign elements to face in a given direction with all sign elements in the same plane and means functioning a predetermined time after each sign element has moved to a position at said front end for rotating each sign element a half revolution.



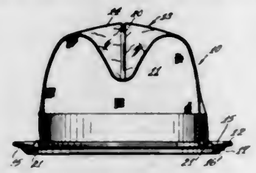
2,181,105
KNITTING MACHINE
Julius Sirmay, Philadelphia, Pa., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa., a corporation of New York
Application May 9, 1936, Serial No. 78,920
15 Claims. (Cl. 66—24)



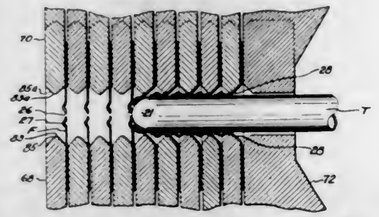
1. In a knitting machine, a yarn feeder, a bank of needles, means to cause said needles to knit at said yarn feeder, a second cooperating bank of needles, means to cause the needles of said second bank to take and omit taking yarn at said yarn feeder selectively, and means to cause those needles of said second bank which take yarn to shed their loops selectively at a point angularly displaced from said means which causes the needles of said second bank to take yarn and where no yarn is fed to the needles of said second bank.

2,181,106
COVERING FOR A HAT
George Timmons and Clara M. Timmons, Memphis, Tenn., assignors to Rain Topper Corporation, Memphis, Tenn., a corporation of Tennessee
Application April 13, 1938, Serial No. 201,824
4 Claims. (Cl. 2—187)

1. A foldable water-proof covering for a felt hat or the like comprising, a one-piece crown portion formed from a B shaped blank and having oval edge portions in secured together relation, a substantially O shaped brim portion having an elastic band secured in the outer marginal edge thereof, and said brim portion being secured to the said crown portion.



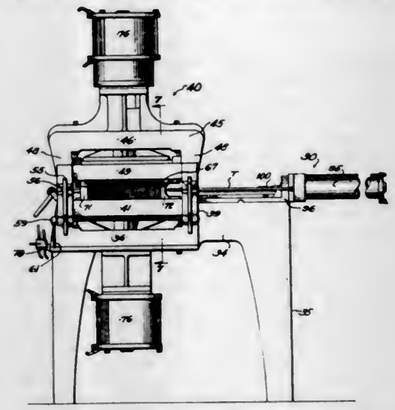
2,181,107
METHOD OF MAKING CROSS-FIN COILS
Stanislaus Przyborowski, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application December 2, 1936, Serial No. 113,867
9 Claims. (Cl. 113—118)



1. The method of assembling cross-fins on a length of tubing which comprises forming fins with weakened tube-receiving portions, supporting the fins, impacting the fins at said weakened portions with a length of tubing with sufficient force to penetrate said portions and transfix the fins, and applying pressure to all of said weakened portions simultaneously while the fins are supported to enhance the engagement between the tubing and fins.

2,181,108
APPARATUS FOR MAKING CROSS-FIN COILS
Stanislaus Przyborowski, Tonawanda, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Original application December 2, 1936, Serial No. 113,867. Divided and this application July 23, 1937, Serial No. 155,254
10 Claims. (Cl. 29—84)

5. In a machine for assembling a plurality of spaced transversely disposed fins with tubing, a fin holding nest composed of a plurality of regularly spaced plates adapted to hold fins between successive plates, a second fin holding nest also composed of a plurality of plates spaced the same as the first set of plates, frame means for holding the plates in superimposed relation with the plates in one nest aligned with the plates of the other nest in a series of common planes each including a plate from each nest, means for holding the plates of one nest with their edges slightly spaced from the edges of the plates of the other nest, to provide a gap between the two nests through which tubing may be moved transversely of the plates and fins adapted to be held therebetween, the adjacent edges of the aligned plates in each nest being formed with work engaging die portions, and means for releasing said holding means and moving the plates toward each other through their common planes and into the gap and into close juxtaposition, whereby the die portions may contact the work to deform portions thereof.



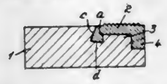
2,181,109
CONFECTION
Mary N. Dodge, Studio City, Calif.
Application March 27, 1939, Serial No. 264,372
3 Claims. (Cl. 99—138)



1. A method of treating a puffed cereal comprising coating the same with an edible liquid capable of hardening on coating to provide a seal against the atmosphere and dipping the same in chocolate.

3. A confection comprising a puffed cereal having an exterior coating of chocolate and a glaze-like coating of hardened candied syrup interposed between the surface of the puffed cereal and the chocolate coating, whereby the coating of the hardened candied syrup prevents access of air to the puffed cereal and the puffed cereal is unaffected by the oil and moisture of the chocolate coating.

2,181,110
HEEL WITH EXCHANGEABLE TIP
Heinrich Esser, Berlin-Charlottenburg, Germany
Application January 19, 1939, Serial No. 251,718
In Germany January 22, 1938
3 Claims. (Cl. 36—36)



1. A heel with exchangeable tip, comprising in combination a heel body having a recessed portion at its rear end, a straight undercut edge bordering said recessed portion, a projection at the bottom of said recessed portion having a straight edge opposite said straight bevelled edge and forming therewith a continuous groove, the tip having in its under side a recess corresponding

to the shape of said projection bordered by an edge conforming to the cross-sectional shape of said groove.

2,181,111

METHOD FOR THE PRODUCTION OF METALLIC PRINTING PLATES OR CYLINDERS

Josef Horn, Dresden, Germany, assignor of fifty per cent to Erich Weber, Dresden, Germany

No Drawing. Application May 27, 1936, Serial No. 82,045. In Germany May 29, 1935

3 Claims. (Cl. 41—41.5)

1. The method of producing metallic printing plates or cylinders for relief printing, which comprises superimposing upon a pliant ground plate of light metal selected from the group consisting of aluminium, magnesium and alloys thereof, at least one intermediate layer of a metal selected from the group consisting of zinc, cadmium and alloys thereof, superimposing on said intermediate layer or layers at least one layer of heavy wear-resistant metal characterized by an ability to carry printing ink and selected from the group consisting of copper, brass, tombac, chromium, nickel, alpaca, silver, steel and alloys thereof, and removing all of the metal layers superimposed on the ground plate at the non-printing areas to such an extent that the top surface of the ground plate is exposed.

2,181,112

SOUND REPRODUCING APPARATUS FOR ENDLESS BAND SOUND CARRIERS

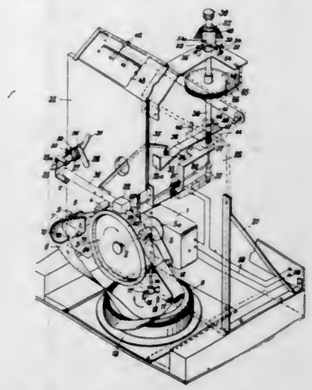
Gustav Fries, Cologne, Germany, assignor to Tefi-Apparatebau Dr. Daniel K.-G., Cologne, Germany

Application May 3, 1938, Serial No. 205,697

In Germany May 15, 1937

6 Claims. (Cl. 274—14)

4. In a sound reproducing apparatus of the kind referred to, the subcombination of: a frame; an endless sound record carrier mounted in said frame; a universally movable tone-arm carrying a sound pick-up device mounted in said frame; an adjustable stop device associated with said tone-arm for limiting movement of said pick-up device in one direction; an electric motor for driving the endless sound record carrier; a contact included in the circuit of said motor; a rotatable and axially raisable control shaft operatively connected to said stop device, said shaft in the normal position thereof engaging and closing said contact; means for vertically displacing said control shaft; means operable on displacement of said shaft to move said stop device verti-



cally and move said pick-up device into and out of operative position with respect to said record carrier; means for rotating said shaft; means operable on rotation of said shaft to move said stop device horizontally to cause said pick-up device to be adjusted to another operating position; locking means for maintaining said contact closed after said control shaft has been vertically displaced upwardly until the record carrier reaches a predetermined position; and a sound line indicating device operatively connected to said shaft for the purpose specified.

DESIGNS

NOVEMBER 21, 1939

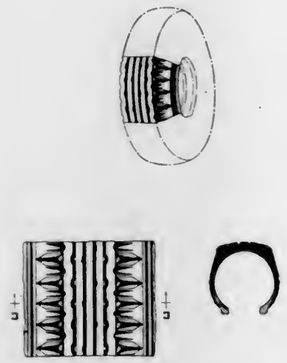
117,660

DESIGN FOR A TIRE

John E. Allen, Chicopee Falls, Mass., assignor to Sobol Bros. Service Stations, Inc., New York, N. Y., a corporation of New York

Application August 11, 1939, Serial No. 86,613

Term of patent 3½ years



The ornamental design for a tire, as shown.

117,661

DESIGN FOR A COLLAR HOLDER

Frederick A. Bullock, Attleboro, Mass., assignor to Dolan & Bullock Company, Providence, R. I., a corporation of Rhode Island

Application September 13, 1939, Serial No. 87,177

Term of patent 7 years



The ornamental design for a collar holder, substantially as shown.

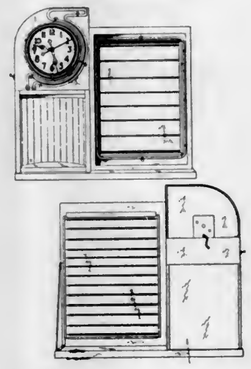
117,662

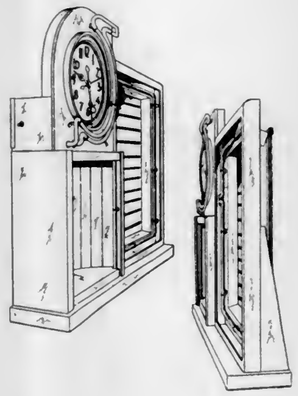
DESIGN FOR A COMBINED SIGN AND DISPLAY DEVICE

Leon W. Diamond, Cleveland Heights, Ohio, assignor to Neo-Lite Corporation, Cleveland, Ohio, a corporation of Ohio

Application May 15, 1939, Serial No. 85,002

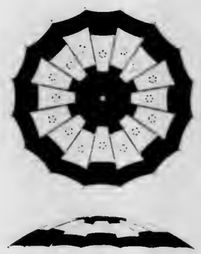
Term of patent 3½ years





The ornamental design for a combined sign and display device, substantially as shown.

117,663
DESIGN FOR AN UMBRELLA
Edward J. Doty, Baltimore, Md., assignor to Polan, Katz & Company, Baltimore, Md., a copartnership composed of Jesse N. Polan, Charles Katz, and William L. Fox
Application November 3, 1938, Serial No. 80,854
Term of patent 3½ years



The ornamental design for an umbrella, as shown and described.

117,664
DESIGN FOR A LIQUID DISPENSING CASING
Samuel H. Elliott, Shaker Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application August 4, 1938, Serial No. 79,088
Term of patent 14 years



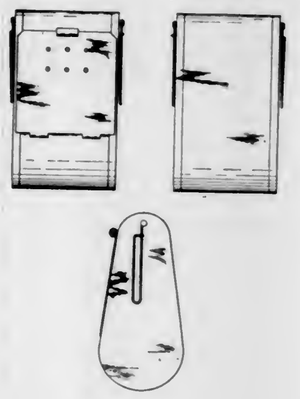
The ornamental design for a liquid dispensing casing, as shown and described.

117,665
DESIGN FOR A SLIPPER
Harvey B. Evans, Wakefield, Mass.
Application December 29, 1938, Serial No. 82,061
Term of patent 7 years



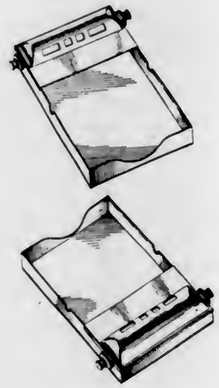
The ornamental design for a slipper, as shown and described.

117,666
DESIGN FOR A BAIT BOX
Ray A. Gogarn, Detroit, Mich.
Application December 30, 1938, Serial No. 82,088
Term of patent 14 years



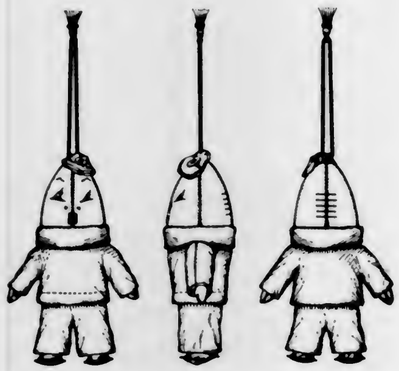
The ornamental design for a bait box, substantially as shown.

117,667
DESIGN FOR A COMBINED CALENDAR AND SCRATCH PAD HOLDER
James H. Horsley, Chicago, Ill., assignor to Shanklin Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 24, 1939, Serial No. 86,201
Term of patent 14 years



The ornamental design for a combined calendar and scratch pad holder, substantially as shown

117,668
DESIGN FOR A DOLL
Elizabeth A. Huestis, Greenville, R. I.
Application August 29, 1939, Serial No. 86,923
Term of patent 7 years



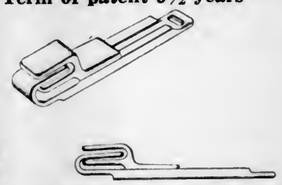
The ornamental design for a doll, substantially as shown.

117,669
DESIGN FOR AN AUTOMOTIVE SIGNAL LAMP
Beverly R. Jackson, Los Angeles, Calif.
Application September 12, 1939, Serial No. 87,164
Term of patent 14 years



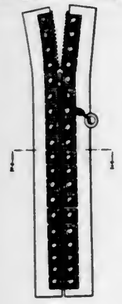
The ornamental design for an automotive signal lamp, as shown.

117,670
DESIGN FOR A BLANKET CLASP
Enoch B. Jorgensen, Los Angeles, Calif.
Application August 30, 1939, Serial No. 86,967
Term of patent 3½ years



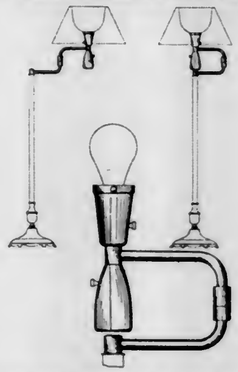
The ornamental design for a blanket clasp, as shown.

117,671
DESIGN FOR A SLIDE FASTENER CLOSURE
Ralph Kay, New York, N. Y.
Application September 16, 1939, Serial No. 87,246
Term of patent 3½ years



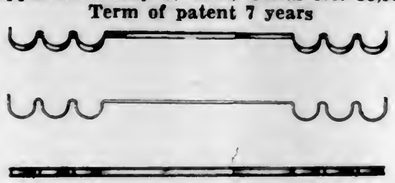
The ornamental design for a slide fastener closure, substantially as shown.

117,672
DESIGN FOR AN ADJUSTABLE LAMP
Max E. Kraft, Cleveland, Ohio, assignor to Cuyahoga Furniture and Lamp Company
Application April 18, 1939, Serial No. 84,359
Term of patent 7 years



The ornamental design for an adjustable lamp, substantially as shown and described.

117,673
DESIGN FOR A CURTAIN ROD
Sidney Lester, Brooklyn, N. Y., assignor to The Kroder Reubel Co., Inc., New York, N. Y., a corporation of New York
Application July 8, 1939, Serial No. 85,918
Term of patent 7 years



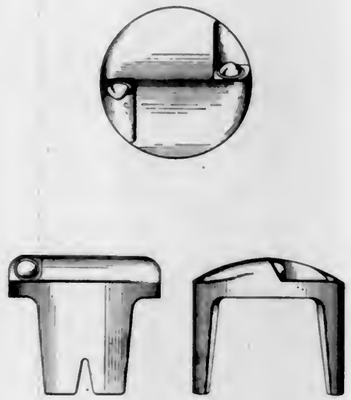
The ornamental design for a curtain rod, substantially as shown.

117,674
DESIGN FOR A PENDANT HANGER
Evelyn C. Lewis, New York, N. Y.
Application June 29, 1939, Serial No. 85,757
Term of patent 14 years



The ornamental design for a pendant hanger, substantially as shown and described.

117,675
DESIGN FOR A HIGHWAY MARKER
Fred T. Ranney, Minneapolis, Minn.
Application June 10, 1939, Serial No. 85,448
Term of patent 7 years



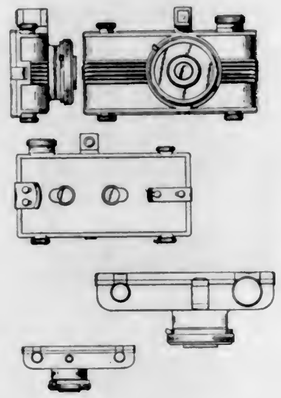
The ornamental design for a highway marker, as shown.

117,676
DESIGN FOR A CARPET SWEEPER SHELL
Irving Richardson, Newark, N. J.
Application January 11, 1939, Serial No. 82,279
Term of patent 7 years



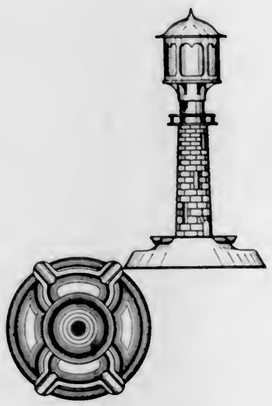
The ornamental design for a carpet sweeper shell, as shown and described.

117,677
DESIGN FOR A CAMERA
Henry T. Schiff, Chicago, Ill.
Application June 24, 1939, Serial No. 85,678
Term of patent 7 years



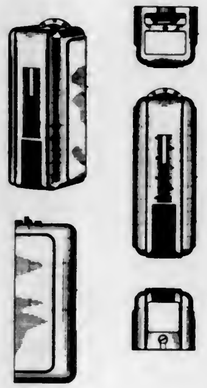
The ornamental design for a camera, substantially as shown and described.

117,678
DESIGN FOR A COMBINATION LAMP AND ASH RECEIVER
Emil Steeb and Alvie T. Wallace, Indianapolis, Ind., said Steeb assignor to said Wallace
Application July 20, 1939, Serial No. 86,130
Term of patent 14 years



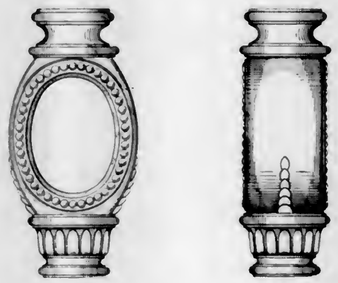
The ornamental design for a combination lamp and ash receiver, as shown.

117,679
DESIGN FOR AN AIR CONDITIONING CONTROL
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 5, 1939, Serial No. 87,046
Term of patent 7 years



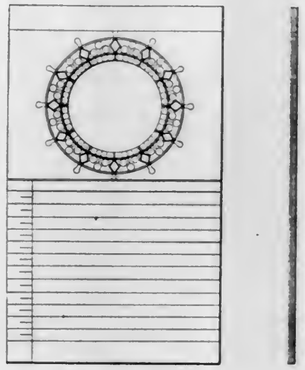
The ornamental design for an air conditioning control, substantially as shown.

117,680
DESIGN FOR AN ILLUMINABLE HOLDER FOR PICTURES OR THE LIKE
Theophile A. Stiffel, Chicago, Ill.
Application July 17, 1939, Serial No. 86,057
Term of patent 3½ years



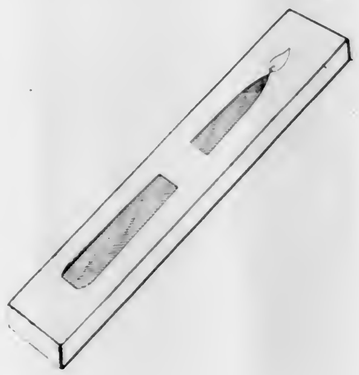
The ornamental design for an illuminable holder for pictures or the like, as shown and described.

117,681
DESIGN FOR AN APPOINTMENT PAD
Denver M. Wright, Brentwood, Mo.
Application July 29, 1939, Serial No. 86,323
Term of patent 7 years



The ornamental design for an appointment pad, as shown.

117,682
DESIGN FOR A DISPLAY BOX
Norbert J. Baumer, Baltimore, Md., assignor to A. Gross Candle Co., Inc., Baltimore, Md., a corporation of Delaware
Application October 10, 1939, Serial No. 87,614
Term of patent 14 years



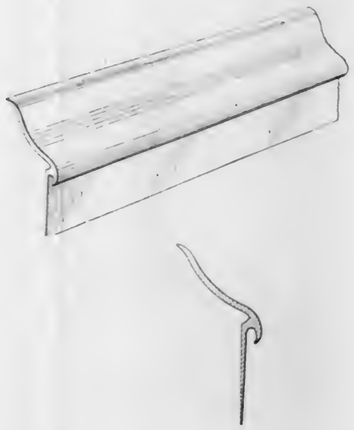
The ornamental design for a display box, substantially as shown.

117,683
DESIGN FOR AN ADVERTISING SIGN
Julius G. Berens, Brooklyn, N. Y.
Application February 8, 1939, Serial No. 82,863
Term of patent 3½ years



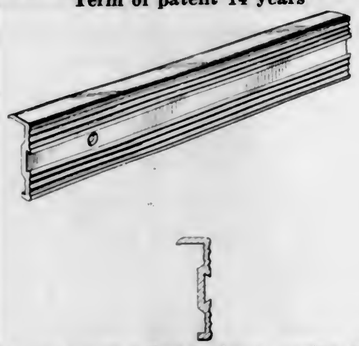
The ornamental design for an advertising sign, as shown.

117,684
DESIGN FOR A BASEBOARD CAP STRIP OR SIMILAR ARTICLE
William L. Bonnell, Columbus, Ohio
Application March 11, 1939, Serial No. 83,510
Term of patent 14 years



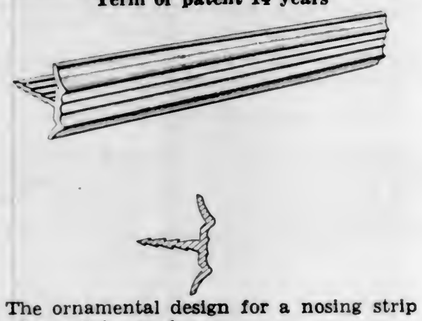
The ornamental design for a baseboard cap strip or similar article, as shown.

117,685
DESIGN FOR A NOSING STRIP OR SIMILAR ARTICLE
William L. Bonnell, Columbus, Ohio
Application September 29, 1939, Serial No. 87,424
Term of patent 14 years



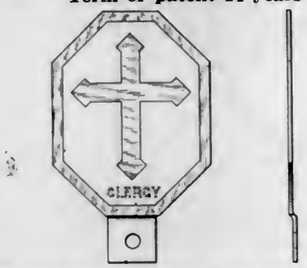
The ornamental design for a nosing strip or similar article, as shown.

117,686
DESIGN FOR A NOSING STRIP OR SIMILAR ARTICLE
William L. Bonnell, Columbus, Ohio
Application September 29, 1939, Serial No. 87,426
Term of patent 14 years



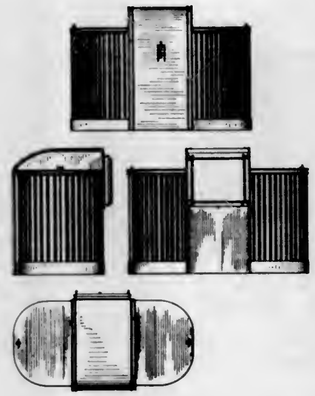
The ornamental design for a nosing strip or similar article, as shown.

117,687
DESIGN FOR A DISPLAY PLATE FOR AUTOMOBILES
James C. Bradley, New York, N. Y.
Application September 15, 1938, Serial No. 79,917
Term of patent 14 years



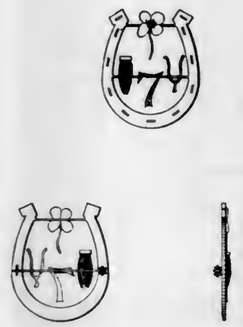
The ornamental design for a display plate for automobiles, substantially as shown.

117,688
DESIGN FOR AN EVAPORATIVE COOLER CABINET
Willard E. Brown, Los Angeles, Calif.
Application May 29, 1939, Serial No. 85,246
Term of patent 7 years



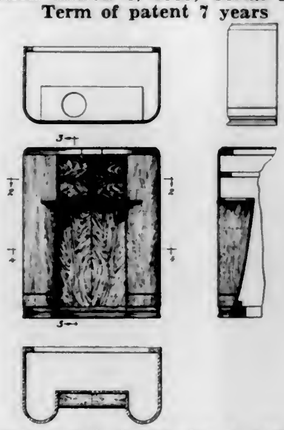
The ornamental design for an evaporative cooler cabinet, as shown.

117,689
DESIGN FOR A NOVELTY PIN
Adolph Frankenthaler, New York, N. Y.
Application September 5, 1939, Serial No. 87,048
Term of patent 3½ years



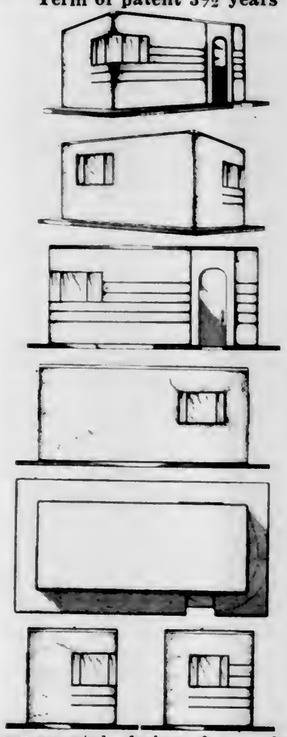
The ornamental design for a novelty pin, substantially as shown.

117,690
DESIGN FOR A RADIO CABINET
Walter Park Gray, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application March 6, 1939, Serial No. 83,369
Term of patent 7 years



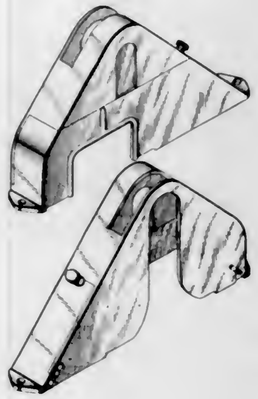
The ornamental design for a radio cabinet, substantially as shown.

117,691
DESIGN FOR A BUILDING
Otis Horne, Atlanta, Ga.
Application July 25, 1939, Serial No. 86,227
Term of patent 3½ years



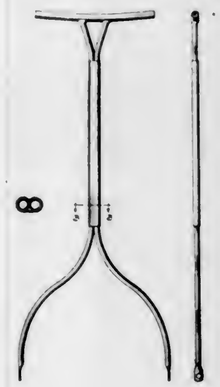
The ornamental design for a building, as shown.

117,692
DESIGN FOR A BELT GUARD FOR SEWING MACHINES
Max Ingwer, Forest Hills, Long Island, N. Y., assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York
Application September 8, 1939, Serial No. 87,094
Term of patent 14 years



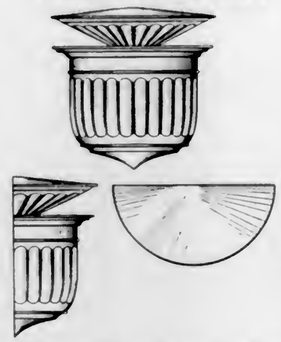
The ornamental design for a belt guard for sewing machines, substantially as shown.

117,693
DESIGN FOR A LAWN MOWER HANDLE
Marlowe H. Kluter, Richmond, Ind., assignor to The F. & N. Lawn Mower Company, Richmond, Ind., a corporation of Delaware
Application November 16, 1938, Serial No. 81,140
Term of patent 14 years



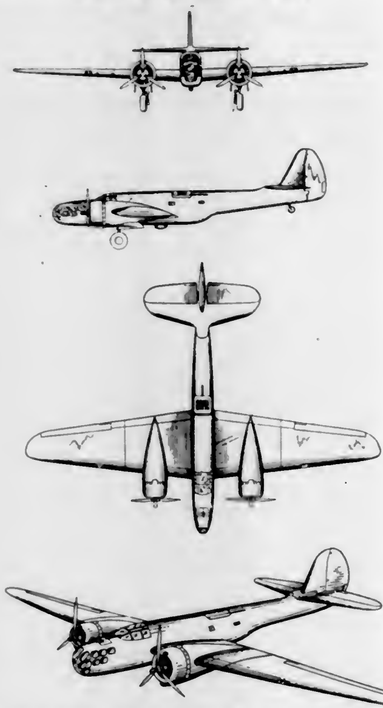
The ornamental design for a lawn mower handle, as shown.

117,694
DESIGN FOR AN ASPIRATING AIR DIFFUSER
George C. Lewis, Bryn Mawr, Pa.
Application April 3, 1939, Serial No. 84,017
Term of patent 14 years



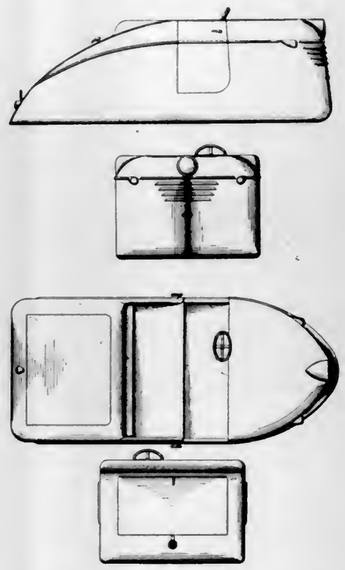
The ornamental design for an aspirating air diffuser, as shown.

117,695
DESIGN FOR AN AIRPLANE
James S. McDonnell, Jr., Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application July 8, 1939, Serial No. 85,919
Term of patent 14 years



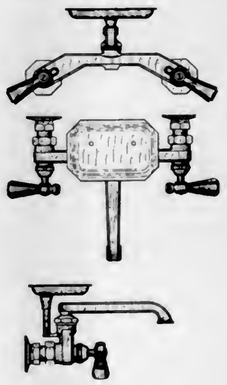
The ornamental design for an airplane, substantially as shown.

117,696
DESIGN FOR A MOTOR VEHICLE BODY
Burton J. Matteson, Jr., Mission, Tex., assignor to Roadrunner Corporation, Brownsville, Tex.
Application May 22, 1939, Serial No. 85,133
Term of patent 3½ years



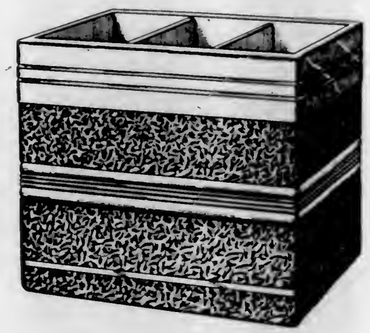
The ornamental design for a motor vehicle body, as shown.

117,697
DESIGN FOR A COMBINED FAUCET AND SOAP HOLDER
Charles B. Mortimer, Lakewood, Ohio, assignor to The Central Brass Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 20, 1939, Serial No. 87,310
Term of patent 7 years



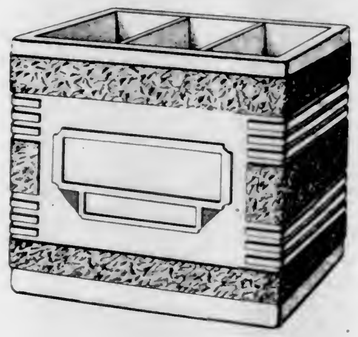
The ornamental design for a combined faucet and soap holder, as shown.

117,698
DESIGN FOR A BATTERY BOX
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 83,549
Term of patent 7 years



The ornamental design for a battery box, substantially as shown and described.

117,699
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 83,550
Term of patent 7 years



The ornamental design for a storage battery case, substantially as shown and described.

117,700
DESIGN FOR A BRACELET CHAIN
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application September 2, 1939, Serial No. 87,014
Term of patent 3½ years





The ornamental design for a bracelet chain, as shown.

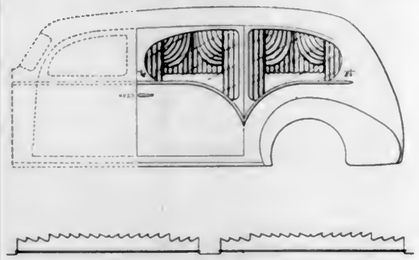
117,701
DESIGN FOR A BRACELET LINK
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application September 2, 1939, Serial No. 87,017
Term of patent 3½ years





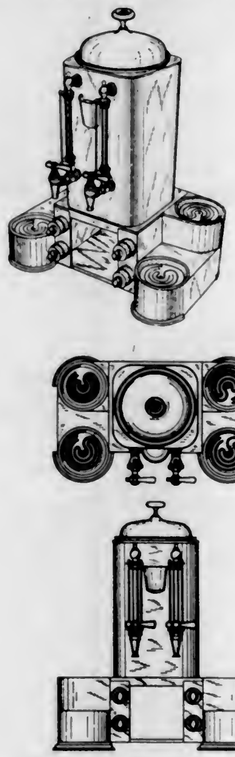
The ornamental design for a bracelet link, as shown.

117,702
DESIGN FOR A HEARSE BODY
Earl L. Schofield, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware
Application December 12, 1938, Serial No. 81,730
Term of patent 7 years



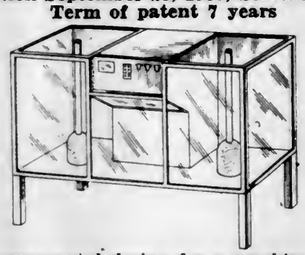
The ornamental design for a hearse body, substantially as shown and described.

117,703
DESIGN FOR A COFFEE URN
John N. Shaw, Seattle, Wash.
Application September 26, 1939, Serial No. 87,387
Term of patent 14 years



The ornamental design for a coffee urn, as shown.

117,704
DESIGN FOR A COMBINED AQUARIUM AND RADIO CABINET
Oliver Zenzen, Washburn, Ill.
Application September 25, 1939, Serial No. 87,383
Term of patent 7 years



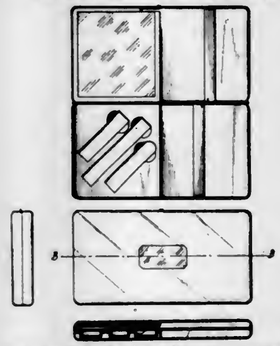
The ornamental design for a combined aquarium and radio cabinet, as shown and described.

117,705
DESIGN FOR A COMBINED DOUBLE ENDED JAR AND CAP COVERS THEREFOR OR SIMILAR ARTICLE
Albert Abrams, New York, N. Y.
Application February 24, 1938, Serial No. 75,360
Term of patent 14 years



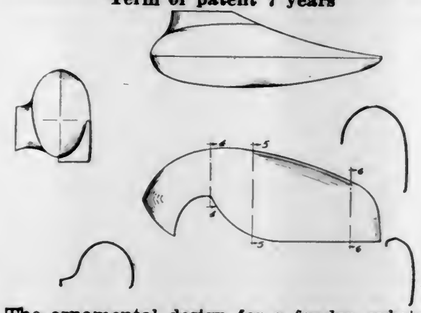
The ornamental design for a combined double ended jar and cap covers therefor or similar article, as shown and described.

117,706
DESIGN FOR A COMPACT CASE
Charles Amick, Topeka, Kans.
Application March 18, 1938, Serial No. 75,925
Term of patent 3½ years



The ornamental design for a compact case, as shown and described.

117,707
DESIGN FOR A FENDER
Ernest W. Baxter, Van Wert, Ohio
Application June 4, 1938, Serial No. 77,585
Term of patent 7 years



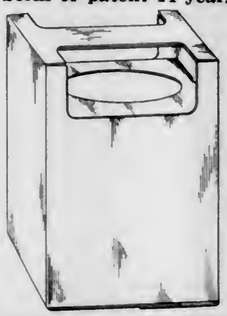
The ornamental design for a fender, substantially as shown.

117,708
DESIGN FOR A BOTTLE
Fred Breen, New York, N. Y., assignor to Revlon Products Corporation, New York, N. Y., a corporation of New York
Application August 17, 1939, Serial No. 86,746
Term of patent 7 years



The ornamental design for a bottle, as shown and described.

117,709
DESIGN FOR A DISPLAY CARTON
Thomas R. Campbell, Elmira, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application July 10, 1939, Serial No. 85,944
Term of patent 14 years



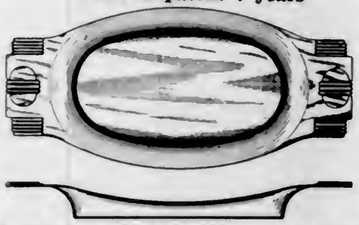
The ornamental design for a display carton, as shown.

117,710
DESIGN FOR A COAT
Benjamin Chalk, New York, N. Y.
Application September 8, 1939, Serial No. 87,085
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

117,711
DESIGN FOR A TRAY OR THE LIKE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application April 15, 1939, Serial No. 84,326
Term of patent 7 years



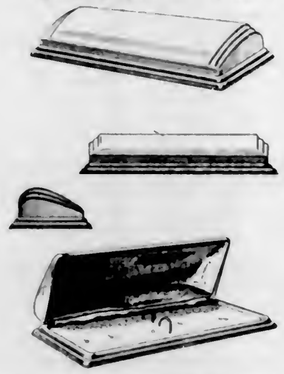
The ornamental design for a tray or the like, as shown.

117,712
DESIGN FOR A PLATE OR THE LIKE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application April 15, 1939, Serial No. 84,327
Term of patent 7 years



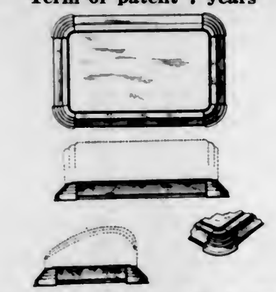
The ornamental design for a plate or the like, as shown.

117,713
DESIGN FOR A DISPLAY CASE
John Guttman, Brooklyn, N. Y., assignor to Arrow Manufacturing Company Incorporated, Hoboken, N. J., a corporation of New Jersey
Application November 21, 1938, Serial No. 81,253
Term of patent 7 years



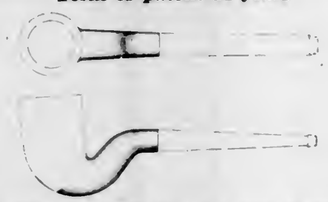
The ornamental design for a display case, as shown and described.

117,714
DESIGN FOR A DISPLAY CASE
John Guttman, Elmhurst, N. Y., assignor to Arrow Manufacturing Company Incorporated, Hoboken, N. J., a corporation of New Jersey
Application August 30, 1939, Serial No. 86,965
Term of patent 7 years



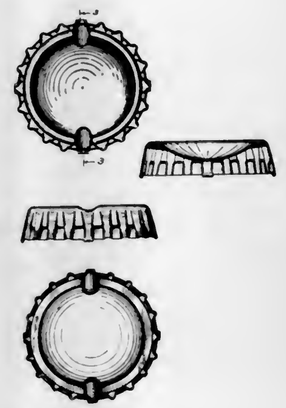
The ornamental design for a display case, as shown and described.

117,715
DESIGN FOR A PIPE
Harry Hacker, Brooklyn, N. Y.
Application January 24, 1939, Serial No. 82,557
Term of patent 14 years



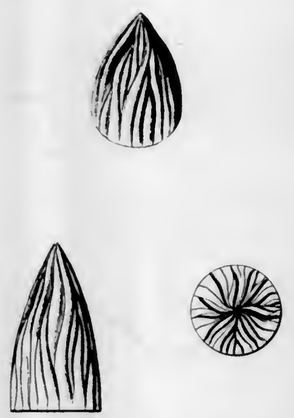
The ornamental design for a pipe, substantially as shown and described.

117,716
DESIGN FOR AN ASHTRAY
Edward B. Herman, Minneapolis, Minn.
Application September 2, 1939, Serial No. 87,011
Term of patent 14 years



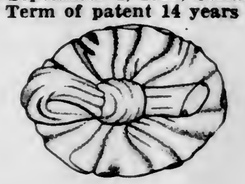
The ornamental design for an ashtray, as shown.

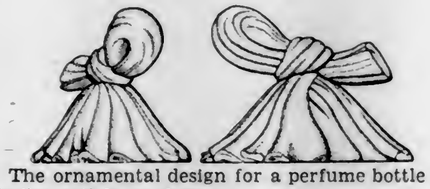
117,717
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y.
Application July 15, 1939, Serial No. 86,026
Term of patent 7 years



The ornamental design for a container cap, substantially as shown and described.

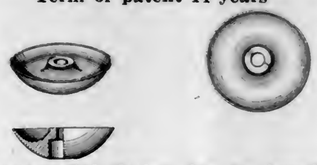
117,718
DESIGN FOR A PERFUME BOTTLE OR SIMILAR ARTICLE
Lucien Lelong, Paris, France, assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application September 1, 1939, Serial No. 86,993
Term of patent 14 years





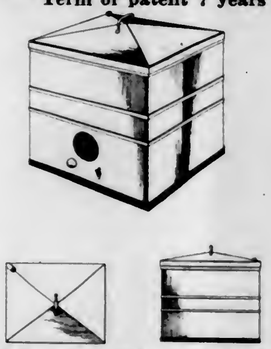
The ornamental design for a perfume bottle or similar article, as shown.

117,719
DESIGN FOR AN IMPELLER
Alexander J. McDonald, Denver, Colo.
Application October 21, 1938, Serial No. 80,588
Term of patent 14 years



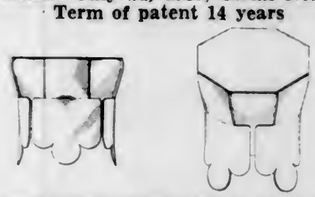
The ornamental design for an impeller, as shown.

117,720
DESIGN FOR A WATER BATH
Alexander I. Newman, Chicago, Ill., assignor to Precision Scientific Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1939, Serial No. 86,251
Term of patent 7 years



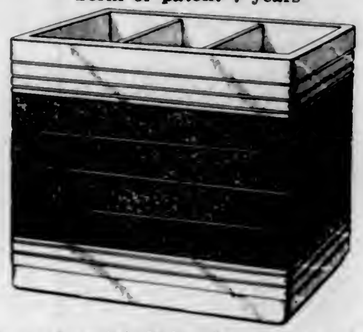
The ornamental design for a water bath, substantially as shown.

117,721
DESIGN FOR A PROTECTIVE HOOD FOR MILK BOTTLES AND THE LIKE
Don Ray, Beverly Hills, Calif.
Application July 24, 1939, Serial No. 86,211
Term of patent 14 years



The ornamental design for a protective hood for milk bottles and the like, substantially as shown.

117,722
DESIGN FOR A STORAGE BATTERY BOX
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 24, 1939, Serial No. 83,812
Term of patent 7 years



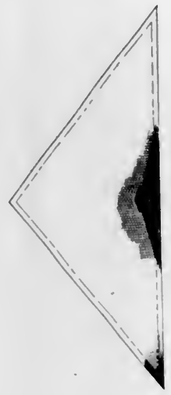
The ornamental design for a storage battery box, substantially as shown and described.

117,723
DESIGN FOR A BEVERAGE BOTTLE
Paul E. Rising, Beverly Hills, Calif., assignor to Kay's Beverages, Inc., Los Angeles, Calif., a corporation of California
Application July 24, 1939, Serial No. 86,215
Term of patent 14 years



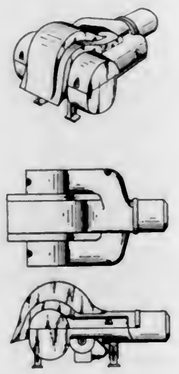
The ornamental design for a beverage bottle, as shown.

117,724
DESIGN FOR A VEIL SCARF
Julius Steinberg, New York, N. Y.
Application May 13, 1938, Serial No. 77,166
Term of patent 3½ years



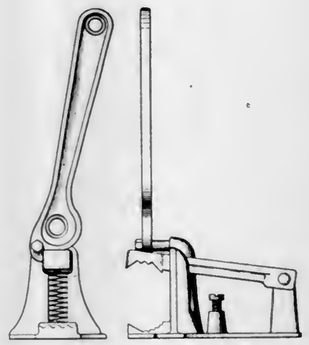
The ornamental design for a veil scarf, substantially as shown.

117,725
DESIGN FOR AN OIL BURNER
George Irving Carter, Teaneck, N. J., assignor to General Oil Heating Corporation, West New York, N. J., a corporation of New Jersey
Application November 4, 1938, Serial No. 81,121
Term of patent 14 years



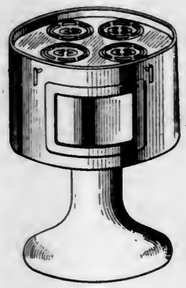
The ornamental design for an oil burner, as shown.

117,726
DESIGN FOR A NUTCRACKER OR THE LIKE
John Decsman, Los Angeles, Calif.
Application August 9, 1939, Serial No. 86,557
Term of patent 7 years



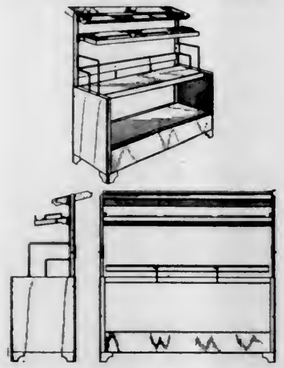
The ornamental design for a nutcracker or the like, substantially as shown.

117,727
DESIGN FOR A STOVE
Clement Ehret, White Plains, N. Y.
Application August 10, 1939, Serial No. 86,576
Term of patent 14 years



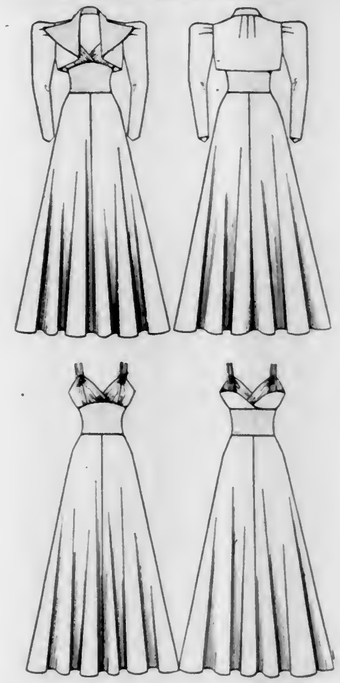
The ornamental design for a stove, as shown and described.

117,728
DESIGN FOR A DISPLAY RACK
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application July 3, 1939, Serial No. 85,835
Term of patent 7 years



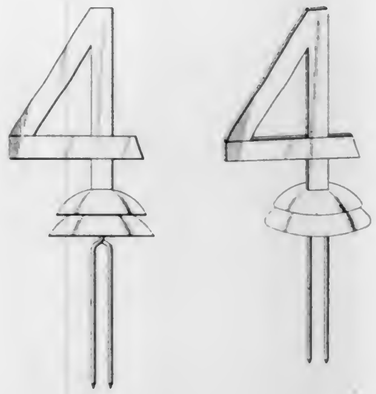
The ornamental design for a display rack, substantially as shown.

117,729
DESIGN FOR A DRESS ENSEMBLE
Rose Feintuck, New York, N. Y.
Application October 2, 1939, Serial No. 87,462
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

117,730
DESIGN FOR AN AGE INDICATING NUMERAL FOR BIRTHDAY CAKES
Frances Fuller, New York, N. Y.
Application May 20, 1939, Serial No. 85,103
Term of patent 7 years



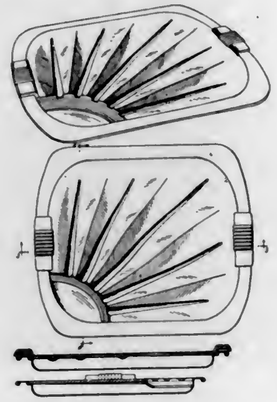
The ornamental design for an age indicating numeral for birthday cakes, as shown.

117,731
DESIGN FOR A LADY'S SUIT
Louis W. Goodkind, New York, N. Y.
Application October 10, 1939, Serial No. 87,607
Term of patent 3½ years



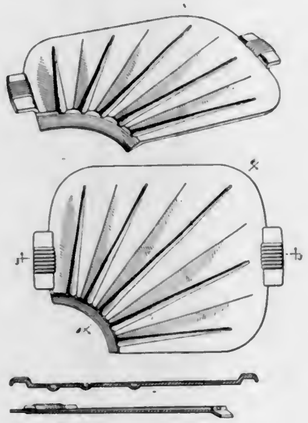
The ornamental design for a lady's suit, substantially as shown and described.

117,732
DESIGN FOR A COMBINED BROILER GRILL AND PAN
Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application September 1, 1939, Serial No. 87,007
Term of patent 14 years



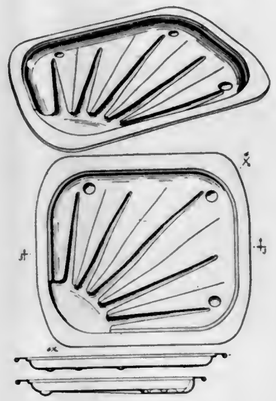
The ornamental design for a combined broiler grill and pan, substantially as shown.

117,733
DESIGN FOR A BROILER GRILL
Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application September 1, 1939, Serial No. 87,008
Term of patent 7 years



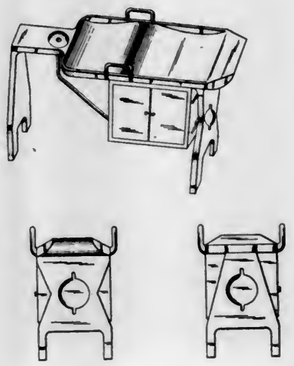
The ornamental design for a broiler grill, substantially as shown.

117,734
DESIGN FOR A BROILER PAN
Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application September 1, 1939, Serial No. 87,009
Term of patent 7 years



The ornamental design for a broiler pan, substantially as shown.

117,735
DESIGN FOR A DOUCHE BENCH
Theodore Oliver, Detroit, Mich.
Application September 18, 1939, Serial No. 87,267
Term of patent 14 years



The ornamental design for a douche bench, as shown.

117,736
DESIGN FOR A TEXTILE FABRIC
Andre Proteau, New York, N. Y.
Application October 14, 1939, Serial No. 87,665
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

117,737
DESIGN FOR A CARPET OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application October 4, 1939, Serial No. 87,493
Term of patent 7 years



The ornamental design for a carpet or similar article, substantially as shown and described.

117,738
DESIGN FOR A CARPET OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application October 4, 1939, Serial No. 87,494
Term of patent 7 years



The ornamental design for a carpet or similar article, substantially as shown and described.

117,739
DESIGN FOR AN END FRAME FOR CHAIRS, TABLES, OR THE LIKE
Carmon E. West, Sylvania, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application September 13, 1939, Serial No. 87,197
Term of patent 7 years



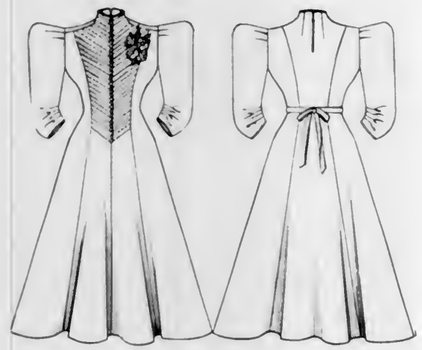
The ornamental design for an end frame for chairs, tables, or the like, as shown.

117,740
DESIGN FOR A GLASS RELISH DISH OR ARTICLE OF SIMILAR NATURE
Donald Deskey, New York, N. Y., assignor to The Federal Glass Company, New York, N. Y., a corporation of Ohio
Application October 19, 1939, Serial No. 87,735
Term of patent 7 years



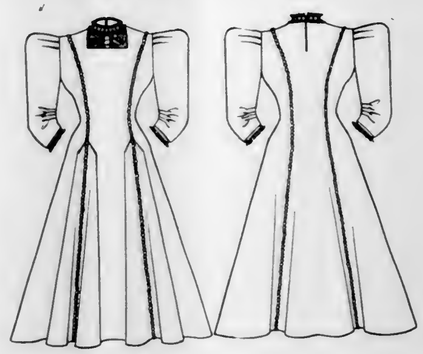
The ornamental design for a glass relish dish or article of similar nature, substantially as shown.

117,741
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,963
Term of patent 3½ years



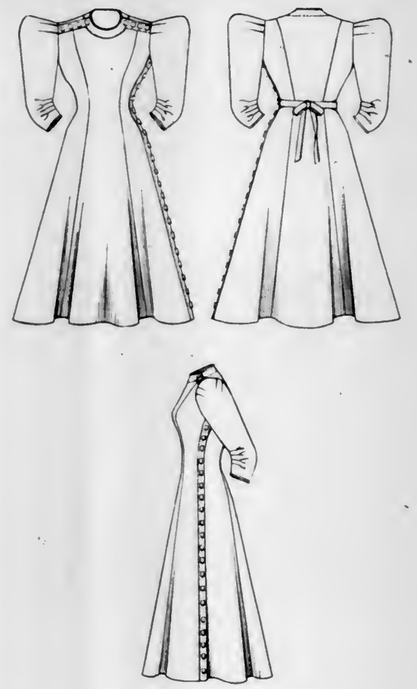
The ornamental design for a dress, substantially as shown.

117,742
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,965
Term of patent 3½ years



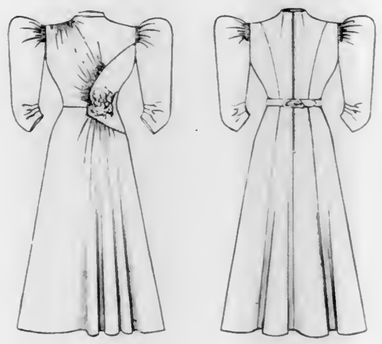
The ornamental design for a dress, substantially as shown.

117,743
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,966
Term of patent 3½ years



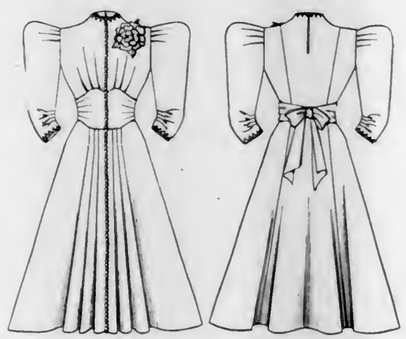
The ornamental design for a dress, substantially as shown.

117,744
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,967
Term of patent 3½ years



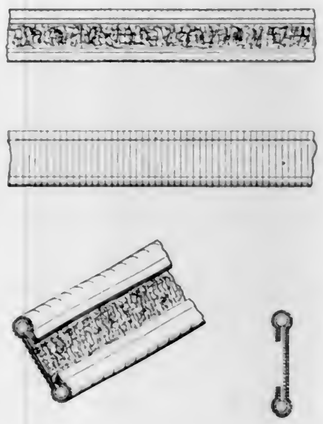
The ornamental design for a dress, substantially as shown.

117,745
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,969
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,746
DESIGN FOR A CONTINUOUS OUTLET STRIP
William H. Frank, Detroit, Mich.
Application July 13, 1939, Serial No. 86,044
Term of patent 14 years



The ornamental design for a continuous outlet strip, substantially as shown and described.

117,747
DESIGN FOR A CLASP
John B. Freysinger, New Britain, Conn., assignor to North and Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application April 5, 1939, Serial No. 84,053
Term of patent 7 years



The ornamental design for a clasp, substantially as shown.

117,748
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Richard T. Gaige, New York, N. Y., assignor to Volupte, Inc., Elizabeth, N. J.
Application September 1, 1939, Serial No. 87,000
Term of patent 3½ years



The ornamental design for a vanity case or similar article, substantially as shown and described.

117,749
DESIGN FOR A WOVEN TEXTILE FABRIC OR SIMILAR ARTICLE
Benjamin Gordon, New York, N. Y.
Application August 30, 1939, Serial No. 86,941
Term of patent 3½ years



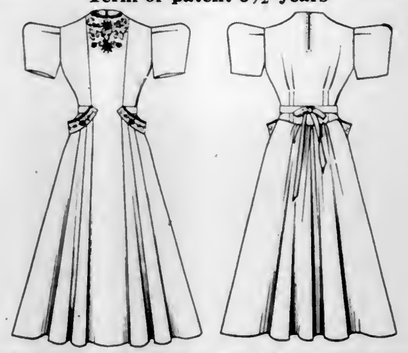
The ornamental design for a woven textile fabric or similar article, substantially as shown.

117,750
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Jacob L. Honig, New York, N. Y.
Application October 7, 1939, Serial No. 87,557
Term of patent 3½ years



The ornamental design for a dress or similar article, substantially as shown and described.

117,751
DESIGN FOR A DRESS
Nathan Kaback, New York, N. Y.
Application October 23, 1939, Serial No. 87,801
Term of patent 3½ years



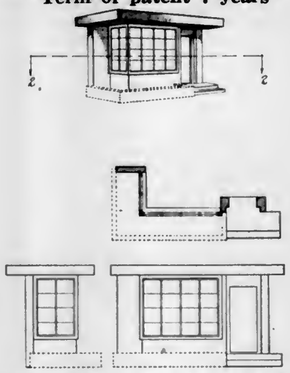
The ornamental design for a dress, substantially as shown.

117,752
DESIGN FOR A HANDKERCHIEF
George M. Logan, Jr., New York, N. Y.
Application June 17, 1939, Serial No. 85,537
Term of patent 3½ years



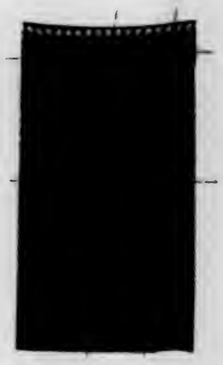
The ornamental design for a handkerchief, as shown and described.

117,753
DESIGN FOR A BUILDING FRONT
Walter March, West Nyack, N. Y.
Application January 14, 1939, Serial No. 82,354
Term of patent 7 years



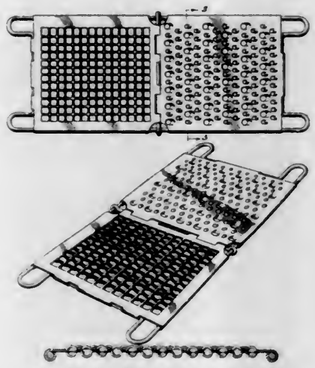
The ornamental design for a building front, substantially as shown and described.

117,754
DESIGN FOR A TEXTILE FABRIC
Marcel Mey, New York, N. Y.
Application October 14, 1939, Serial No. 87,663
Term of patent 3½ years



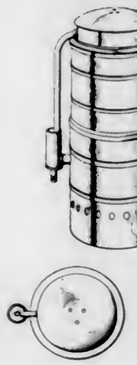
The ornamental design for a textile fabric, substantially as shown and described.

117,755
DESIGN FOR A FOOD GRATER
James A. Murdock, Chicago, Ill.
Application July 15, 1939, Serial No. 86,028
Term of patent 7 years



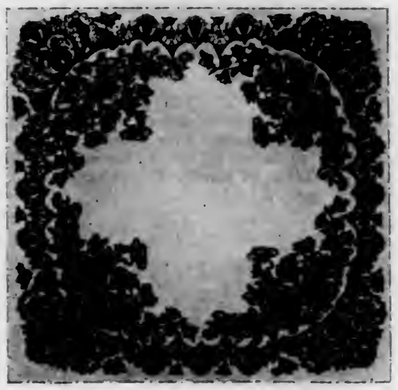
The ornamental design for a food grater, as shown.

117,756
DESIGN FOR A WATER STILL
Alexander I. Newman, Chicago, Ill., assignor to Precision Scientific Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1939, Serial No. 86,001
Term of patent 7 years



The ornamental design for a water still, substantially as shown.

117,757
DESIGN FOR A HANDKERCHIEF
Max Joseph Rosen, Brooklyn, N. Y.
Application October 19, 1939, Serial No. 87,729
Term of patent 3½ years



The ornamental design for a handkerchief, as shown.

117,758
DESIGN FOR A DRESS
Sydelle Rosen, New York, N. Y.
Application November 1, 1939, Serial No. 87,973
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,759
DESIGN FOR A DRESS
Sydelle Rosen, New York, N. Y.
Application November 1, 1939, Serial No. 87,974
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,760
DESIGN FOR A TEXTILE FABRIC
Samuel M. Schwartz, Paterson, N. J.
Application October 9, 1939, Serial No. 87,585
Term of patent 3½ years



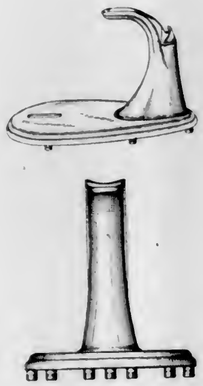
The ornamental design for a textile fabric, substantially as shown.

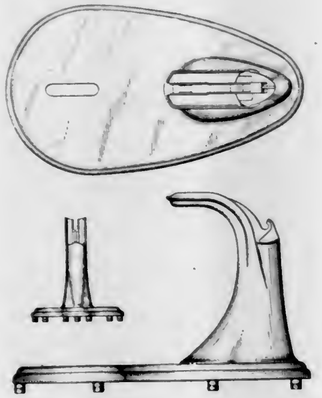
117,761
DESIGN FOR A HAT
Max Solash, Linden, N. J.
Application September 22, 1939, Serial No. 87,351
Term of patent 14 years



The ornamental design for a hat, as shown.

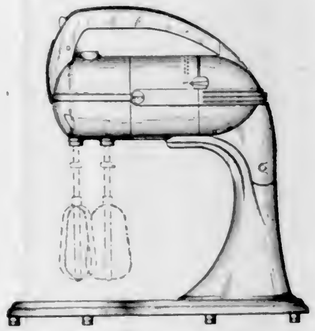
117,762
DESIGN FOR A SUPPORTING STAND FOR MOTOR DRIVEN FOOD APPLIANCES OR SIMILAR ARTICLES
Hermann M. Alfred Strauss, Chicago, Ill., assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill., a corporation of Illinois
Application September 2, 1938, Serial No. 79,683
Term of patent 3½ years

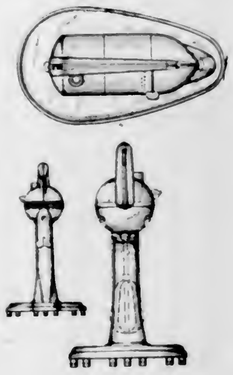




The ornamental design for a supporting stand for motor driven food appliances or similar articles, as shown.

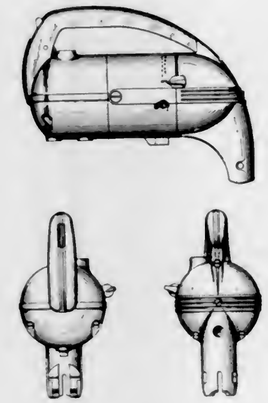
117,763
DESIGN FOR AN ELECTRIC FOOD MIXER
Hermann M. Alfred Strauss, Chicago, Ill., assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill., a corporation of Illinois
Application September 2, 1938, Serial No. 79,684
Term of patent 14 years

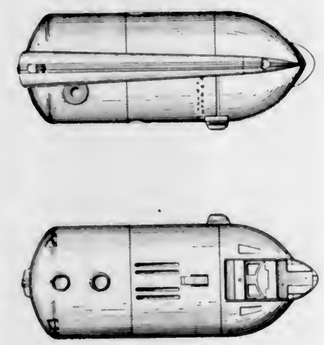




The ornamental design for an electric food mixer, as shown and described.

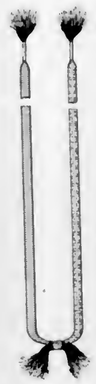
117,764
DESIGN FOR A COMBINED ELECTRIC MOTOR AND POWER UNIT FOR ELECTRIC FOOD DEVICES
Hermann M. Alfred Strauss, Chicago, Ill., assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill., a corporation of Illinois
Application September 2, 1938, Serial No. 79,685
Term of patent 14 years





The ornamental design for a combined electric motor and power unit for electric food devices, as shown.

117,765
DESIGN FOR A SHOELACE
Coleman S. Winchester, Brockton, Mass.
Application September 22, 1939, Serial No. 87,348
Term of patent 14 years



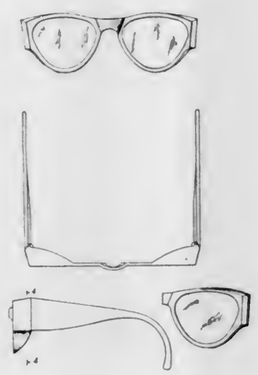
The ornamental design for a shoelace, as shown and described.

117,766
DESIGN FOR A PAIR OF SPECTACLES
William R. Uhlemann, Evanston, Ill., assignor to Uhlemann Optical Company of Illinois, Chicago, Ill., a corporation of Delaware
Application June 23, 1938, Serial No. 78,008
Term of patent 14 years



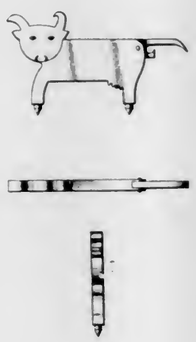
The ornamental design for a pair of spectacles, substantially as shown and described.

117,767
DESIGN FOR A GOGGLE
Joseph Brunetti, Carlstadt, N. J.
Application September 13, 1939, Serial No. 87,176
Term of patent 7 years



The ornamental design for a goggle, substantially as shown.

117,768
DESIGN FOR A COMBINATION CAN PUNCHER AND STOPPER
William H. Casebeer, Wenatchee, Wash.
Application July 4, 1939, Serial No. 85,842
Term of patent 3½ years



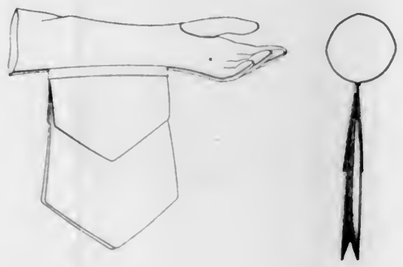
The ornamental design for a combination can puncher and stopper, as shown and described.

117,769
DESIGN FOR A SPECTACLE FRAME
Charles O. Cozzens, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 24, 1939, Serial No. 83,175
Term of patent 14 years



The ornamental design for a spectacle frame, substantially as shown and described.

117,770
DESIGN FOR A COMBINATION GLOVE AND HANDBAG
Marjorie Dunton, New York, N. Y.
Application January 26, 1939, Serial No. 82,610
Term of patent 7 years



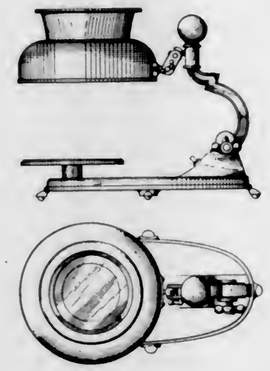
The ornamental design for a combination glove and handbag, as shown and described.

117,771
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,964
Term of patent 3½ years



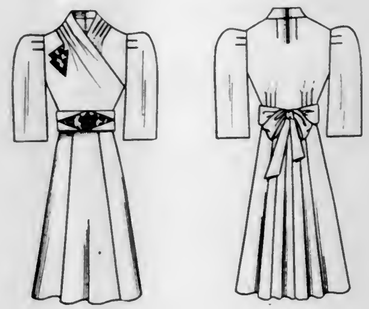
The ornamental design for a dress, substantially as shown.

117,772
DESIGN FOR A MAGNIFYING DEVICE
Clinton H. Kibbe, New York, N. Y.
Application December 2, 1938, Serial No. 81,521
Term of patent 14 years



The ornamental design for a magnifying device, as shown.

117,773
DESIGN FOR A DRESS
Michael M. Levine, New York, N. Y.
Application October 25, 1939, Serial No. 87,848
Term of patent 3½ years



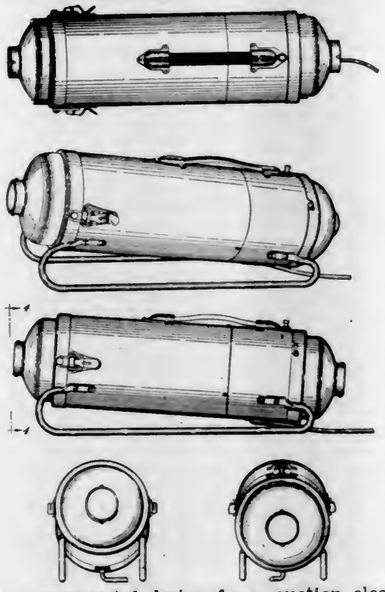
The ornamental design for a dress, substantially as shown.

117,774
DESIGN FOR A DRESS
Michael M. Levine, New York, N. Y.
Application October 26, 1939, Serial No. 87,876
Term of patent 3½ years



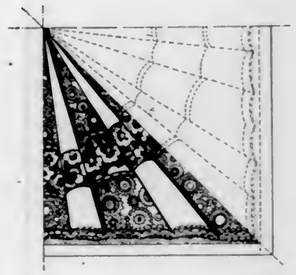
The ornamental design for a dress, substantially as shown, and described.

117,775
DESIGN FOR A SUCTION CLEANER
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application February 21, 1939, Serial No. 83,139
Term of patent 14 years



The ornamental design for a suction cleaner, as shown and described.

117,776
DESIGN FOR A HANDKERCHIEF
Max Joseph Rosen, Brooklyn, N. Y.
Application October 21, 1939, Serial No. 87,784
Term of patent 3½ years



The ornamental design for a handkerchief, as shown and described.

Patents Nos. 2,181,113 to 2,181,857

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 508—No. 4 **TUESDAY, NOVEMBER 28, 1939** **Price—$16 per year**

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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November 28, 1939

Trade-Marks	177—No.	373,102 to No.	373,278, inclusive.
T. M. Renewals	29		
Labels	38—No.	53,940 to No.	53,977, inclusive.
Prints	47—No.	17,704 to No.	17,750, inclusive.
Reissues	5—No.	21,279 to No.	21,283, inclusive.
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Designs	115—No.	117,777 to No.	117,891, inclusive.
Total	1,157		

Notice

The attention of this Bureau has been called to the following customs regulations with respect to trade-marks, which was approved on November 1, 1939.

CUSTOMS REGULATIONS AMENDED—RECORDING OF TRADE-MARKS

Number of Facsimile copies of Statement and Drawing of Registered Trade-Marks Required for Recordation in each Customs District[1]

To Collectors of Customs and Others Concerned:

Paragraph (*b*) of article 538 of the Customs Regulations of 1937[2] (Sec. 9.14 (*b*)) is amended to read as follows:

(*b*) (Sec. 9.14 (*b*).) To record a trade-mark with the Treasury Department an application must be addressed to the Treasury Department, Bureau of Customs, Washington, D. C. (which may be in the form of a letter), stating therein the name, residence, and citizenship of the owner or owners (if a partnership, the citizenship of each partner; if a corporation or association, the country or state within which it was organized or created); the name of the locality in which the goods are manufactured, and the customs districts (designated by the names of the headquarters ports listed below) in which the applicant desires to have facsimiles of the statement and drawing recorded. The application must be accompanied by one certified copy of the original certificate of registration issued by the Commissioner of Patents in accordance with the Trade-Mark Act of February 20, 1905, or the Trade-Mark Act of March 19, 1920; such of the documents mentioned in paragraph (c) as are required to show the ownership of the applicant; three uncertified printed facsimiles of the statement and drawing covering the trade-mark for deposit in the Treasury Department, and a sufficient number of such facsimiles to enable the Bureau to forward copies to the headquarters ports of the customs districts named in the application.

The number of facsimiles required for each of the several customs district and the names of the headquarters ports of those districts are as follows: 7 Baltimore, Maryland; 13 Boston, Massachusetts; 4 Bridgeport, Connecticut; 9 Buffalo, New York; 3 Charleston, South Carolina; 4 Charlotte Amalie, St. Thomas, Virgin Islands; 6 Chicago, Illinois; 11 Cleveland, Ohio; 2 Denver, Colorado; 7 Detroit, Michigan; 16 Duluth, Minnesota; 5 El Paso, Texas; 6 Galveston, Texas; 18 Great Falls, Montana; 7 Honolulu, Territory of Hawaii; 3 Indianapolis, Indiana; 2 Juneau, Alaska; 9 Los Angeles, California; 1 Louisville, Kentucky; 3 Memphis, Tennessee; 8 Milwaukee, Wisconsin; 4 Minneapolis, Minnesota; 5 Mobile, Alabama; 5 New Orleans, Louisiana; 25 New York, New York; 11 Nogales, Arizona; 5 Norfolk, Virginia; 15 Ogdensburg, New York; 1 Omaha, Nebraska; 4 Pembina, North Dakota; 6 Philadelphia, Pennsylvania; 2 Pittsburgh, Pennsylvania; 5 Port Arthur, Texas; 21 Portland, Maine; 6 Portland, Oregon; 3 Providence, Rhode Island; 7 Rochester, New York; 24 St. Albans, Vermont; 9 St. Louis, Missouri; 1 Salt Lake City, Utah; 18 San Antonio, Texas; 5 San Diego, California; 7 San Francisco, California; 13 San Juan, Puerto Rico; 4 Savannah, Georgia; 20 Seattle, Washington; 21 Tampa, Florida; 4 Wilmington, North Carolina.

No fee is charged for recording trade-marks in the Treasury Department. (Secs. 526, 624, 46 Stat. 741, 759, sec. 27, 33 Stat. 730; 19 U. S. C. 1526, 1624, 15 U. S. C. 106.)

[1] This document affects 19 CFR 9.14.
[2] F. R. 1572.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Nov. 15, 1939.*

Eastern Fruit Distributors, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Roy Weir, Pharr, Tex., to effect the cancellation of trade-mark registration of Eastern Fruit Distributors, Inc., 226 Wholesale Terminal Bldg., Los Angeles, Calif., No. 277,860, dated November 25, 1930, and the notice of such proceeding sent by registered mail to the said Eastern Fruit Distributors, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Eastern Fruit Distributors, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business November 11, 1939

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 46,145; Trade-Mark Division, 1,250. Oldest new case, Apr. 1, 1939; oldest amended, Apr. 1, 1939.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 9	June 15	643
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 26	Apr. 27	797
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 11	Sept. 11	369
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	May 16	June 7	559
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 31	Aug. 11	480
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	May 16	May 25	933
5725	7. JARBOE, C. G., Optics; Photography	July 6	June 29	956
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	May 11	May 15	1169
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	June 13	June 15	714
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 21	Aug. 11	562
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 15	July 19	499
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	May 19	May 8	510
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 14	June 20	713
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 5	Aug. 31	372
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	May 29	May 31	1365
5716	16. SPENCER, C. J., Telegraphy; Telephony	June 10	June 10	746
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 7	June 27	754
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	May 5	May 15	522
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 10	June 3	489
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 23	June 30	403
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 12	July 13	535
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 12	May 12	1018
7624	23. BUTTNER, W. J., Registers (part)	Apr. 8	Apr. 14	311
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 2	Apr. 20	1354
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 29	July 29	604
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 14	June 16	555
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Apr. 15	April 12	1142
5628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	July 5	June 14	453
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	May 29	May 29	841
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 12	June 14	850
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 20	July 17	887
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	July 31	July 21	425
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 15	July 11	948
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Aug. 29	Aug. 3	245
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	June 26	June 14	768
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 17	June 15	657
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 10	June 8	796
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Apr. 20	Apr. 22	892
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 14	July 10	616
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	May 5	May 5	1941
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	June 15	June 8	277
5882	42. CUTTING, H. O., Electric Signaling	Apr. 17	Apr. 14	705
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 1	July 3	577
4087 B	44. HARVEY, L. P., Refrigeration	June 6	June 12	712
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 26	July 3	522
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	June 16	June 17	742
6082	47. LOWE, E. R., Clutches; Brakes	July 12	July 17	522
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 13	July 12	498
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	May 8	May 1	1069
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	June 5	June 7	1352
5628	51. BACKUS, C. D., Radiant Energy (part)	Aug. 23	Aug. 16	653
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 5	July 8	677
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 7	Aug. 10	326
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	July 29	July 25	329
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 26	May 27	502
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 17	May 17	1249
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 21	June 24	464
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	June 8	Aug. 1	401
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 20	June 16	796
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 8	July 8	413
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 13	June 12	628
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 23	Aug. 15	426
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	May 19	May 23	960
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5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 28	May 3	567
2099 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	Oct. 11	Oct. 23	1169
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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

ERICSON *v.* SHAFF

No. 4,156. Decided June 19, 1939

[104 F.(2d) 626]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the testimony for the junior party E failed to establish either conception or actual reduction to practice at any time prior to the time the senior party S filed his application, and *Held* that the junior party E was not entitled to a consideration of his early copending application as evidence of constructive reduction to practice, since said application as filed in the Patent Office was not included in the record on appeal, and *Held* that priority was properly awarded to the senior party S.

APPEAL from Patent Office. Affirmed.

Mr. George R. Ericson, pro se, (*Mr. Donald U. Rich, Mr. Hugh M. Morris* and *Mr. Alexander L. Nichols* of counsel) for Ericson.

Mr. Archie R. McCrady (*Mr. N. D. Parker, Jr.*, of counsel) for Shaff.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of the subject matter defined in the single count in issue to appellee, Ernest H. Shaff.

The invention in issue relates to a carburetor for use on automobile engines, and more particularly to means whereby the richness of the mixture of fuel and air produced by the carburetor may be automatically controlled in accordance with the temperature of the engine and the suction produced by the engine during its operation.

The interference is between appellant's patent, No. 1,915,851, issued June 27, 1933, on an application, No. 573,418, filed November 6, 1931, and appellee's application No. 435,394, filed March 13, 1930.

The count in issue, which originated in appellant's patent, sufficiently describes the invention. It reads:

1. In a carburetor, means forming a mixing conduit, said conduit including an air inlet, a fuel inlet, and a mixture outlet, a manually operated valve for said conduit, a valve for controlling the flow through one of said inlets to enrich or lean out the fuel mixture discharged by said carburetor, a heat responsive device capable of operation independent of suction for operating said valve in accordance with the temperature to lean out the mixture upon an increase of temperature, and means for operating said valve to lean out said mixture upon an increase in suction in the carburetor, said last-named means including a suction conduit connected to a point in the mixing conduit posterior to said manually operated valve.

Appellant is the junior party and the burden was upon him to establish priority of invention by a preponderance of the evidence.

During the motion period, appellant moved to shift the burden of proof on the ground that the invention defined by the appealed count was disclosed in his patent, No. 1,872,708, issued August 23, 1932, on an application, No. 358,700, filed April 27, 1929.

The question presented by the motion to shift the burden of proof was whether appellant's prior application, which matured into Patent No. 1,872,708, as originally filed, disclosed the last element defined in the appealed count; that is,

"means for operating said valve to lean out said mixture upon an increase in suction in the carburetor, said last-named means including a suction conduit connected to a point in the mixing conduit posterior to said manually operated valve."

That application, as originally filed, disclosed a thermostatic valve which was operatively responsive to heat. It was silent, however, as to whether the valve was "moved by suction towards closing position when the suction is increased"; that is, whether the valve was capable of operation by suction as well as heat.

In his original decision, the Primary Examiner stated that—

This valve is very close to the fuel orifice and it is believed that the static suction as well as the suction created due to the flow of the liquid will act on the valve with an appreciable force. This force would necessarily bend the thermostat more or less towards the orifice to close the latter, and in view of the length of the thermostat and the resulting leverage the effect of suction on the valve of Patent 1,872,708 is believed to be appreciable also. This being an inferred function of the Ericson structure as originally disclosed, it is believed to be immaterial that the specification as originally filed did not specifically point out this feature.

The Examiner concluded, however, as stated in his second decision made in response to a motion by appellant for reconsideration of his original decision, that the last element defined in the count called for—

"some kind of a suction actuator such as a piston, diaphragm, or the like [not disclosed in appellant's application], • • • and a mere conduit for communicating suction to the valve proper [which was disclosed] will not answer the requirements of the count,"

and, accordingly, overruled appellant's motion to shift the burden of proof.

Appellant also presented that issue to the Examiner of Interferences, and, on appeal, to the Board of Appeals. Each of those tribunals held that appellant's prior application (No. 358,700, which matured into Patent No. 1,872,708) did not disclose the invention defined by the count in issue.

Their reason for so holding, however, was somewhat different from that relied upon by the Primary Examiner.

In his original decision, the Examiner of Interferences discussed at length the issue of shifting the burden of proof. We quote from that decision:

The earlier Ericson application as filed does not mention that the thermostatic member 50 is suction actuated. The disclosure of this application was not amended until October 19, 1931, to indicate that the member 50 was moved by strong suction. However, even though this amendment was held to establish a conception of the invention on behalf of the party Ericson, he would not prevail, inasmuch as the date thereof is subsequent to the filing date (March 13, 1930) of the senior party Shaff. While it is disclosed in the earlier Ericson application as filed that strong suction is present, the term "strong" is merely relative and of course is not indicative of the numerical value thereof. *Moreover, there is no disclosure indicating the desired thickness, width, stiffness and length (or the size of jet hole) of the thermostatic material so as to show that a material was desired which would be sufficiently flexible.* Even by referring to the drawing it is not clear that the thickness, width and length of the thermostatic element is such as to inherently render it movable by "strong suction". *The drawing,* even though it appears from the objection on page 135 (Ericson record) that it is not contended that it was

drawn to scale, *shows element 50 as being rather short, thick and wide, so as not to be clearly capable of being moved by suction.* Of course if this element were not drawn to scale it cannot be seen how such a representation in the drawing could be seriously relied upon, when it might possibly be of larger proportions. *It is therefore held that the drawing and disclosure of the earlier Ericson application does not show, describe or suggest a thermostatic member which is inherently capable of being moved by engine suction.* [Italics ours.]

In case it be decided on appeal that the earlier Ericson application inherently discloses that the thermostatic member is actuated by engine suction it is necessary to determine whether this application also discloses a "means for operating said valve • • • upon an increase in suction in the carburetor, said last-named means including a suction conduit." Assuming that the member 50 is so constructed that it could be actuated by suction, then the engine creating suction together with the passages leading from the engine through the carburetor and the conduits to deliver said suction to member 50 through jet 49 is believed to reasonably satisfy this means element of the count, since the count not only requires that the desired function be obtained but the last clause of the count specifically recites that a suction conduit is to be included.

It is therefore held that movement of thermostatic member 50 by suction is not inherent to the original disclosure of the Ericson application per se.

It appears from the record that considerable evidence was introduced by appellant for the purpose of establishing that the suction operation called for by the appealed count was inherent in the disclosure in appellant's earlier application—No. 358,700, now Patent No. 1,872,708.

It may be said at this point that appellant admitted in his testimony that, at the time he filed his earlier application, he did not know that the thermostatic valve disclosed in that application was responsive to suction, and that, at that time, he did not know how to proportion the parts of the valve to make it responsive to suction.

It is contended here, however, by counsel for appellant, as it was before the Examiner of Interferences and the Board of Appeals, that appellant has established by testimony, physical exhibits, and documentary evidence not only that the involved invention was inherent in his first application, but that he had actually reduced the invention to practice during the year 1929, prior to the date (January 11, 1930) to which, it is conceded by counsel for appellant, appellee is entitled for conception of the invention.

The evidence referred to by counsel for appellant, with the exception of one exhibit (No. 55) which will be hereinafter referred to, was fully discussed by the Examiner of Interferences in his original decision, and, to some extent, was again reviewed in a second decision made pursuant to a motion by appellant for reconsideration of the original decision, and was held insufficient to establish either that the invention defined by the appealed count was inherent in the original disclosure in appellant's application No. 358,700 (now Patent No. 1,872,708), or that appellant had conceived and reduced the invention to practice during the year 1929 or at any time prior to the filing of appellee's application—March 13, 1930.

It will be observed that the Examiner of Interferences called attention to the fact that appellant's application No. 358,700 was amended on October 19, 1931, to indicate that "the [thermostatic] member 50 was moved by strong suction".

It appears from the decision of the Board of Appeals that appellant's first filed application was amended October 19, 1931, about two weeks before the filing (November 6, 1931) of appellant's application No. 573,418, which matured into the patent here involved (No. 1,915,851) on June 27, 1933.

Relative to the amendment to appellant's first filed application (No. 358,700, now Patent No. 1,872,708) the Board of Appeals said:

> Referring to the showing in application No. 358,700 of Ericson which matured into the Patent 1,872,708, we find this disclosure is directed to a thermostatic valve control for fuel inlet in a carburetor. *As originally filed, the application said nothing of a control of this valve by the air suction in the carburetor.* It is true that on page 7 of the specification is described a strong suction transmitted through the venturi 28 and the idling tube. *During the prosecution of this application, in an amendment filed October 19, 1931, the specification was amplified to describe the effect of this strong suction on the thermostatic member 50 to cause it to be drawn to closed position and restrict the flow of fuel into the mixing conduit.*
>
> • • • • • • •
>
> The Examiner has discussed the testimony offered in an attempt to show that during 1929 there was discussion of the thermostatically operated valve disclosed by Ericson in his early application and some of these witnesses seem to think such valve was operated by suction as well as through changes in temperature. We are in agreement with the Examiner that the proofs are insufficient. The fact that Ericson himself was not aware of the suction effect when he filed his early application in 1929 seems to us good evidence that others less interested in the development could hardly have had more knowledge as to the operation of this fuel control valve. None of the documentary evidence during this period referred to the suction action on the valves.
>
> • • • • • • •
>
> We have not overlooked the testimony that Ericson purchased very thin material for his thermostatic element in 1929, but inasmuch as the thinness of the material is not the only determining factor as to operation by suction, we cannot conclude that his thermostatically operated valve formed of this thin material would inherently be suction operated. [Italics ours.]

The Board further stated that appellant's application No. 446,899, filed April 24, 1930, which matured into Patent No. 1,915,852, June 27, 1933, was amended October 19, 1931. It does not appear from the Board's decision, however, of what that amendment consisted. Relative to that patent the Board said:

> While Ericson had a disclosure in Patent No. 1,915,852 (application filed April 24, 1930) which might support the count, yet as this application was not filed prior to the filing date of Shaff this matter need not be considered as it would not help Ericson in a showing of priority.

The Board was of opinion that appellant's application No. 358,700 (now Patent No. 1,872,708), as originally filed, did not disclose the involved invention, that the evidence introduced by appellant was not sufficient to warrant a holding that it did, and affirmed the decision of the Examiner of Interferences awarding priority of invention to appellee.

It is contended here by counsel for appellant that the evidence of record does not establish what amendments, if any, were made on October 31, 1931, to appellant's application No. 358,700, filed April 27, 1929, now Patent No. 1,872,708, and that, therefore, the tribunals of the Patent Office had no authority to examine the file history for the purpose of determining what amendments, if any, were made to that application; that the holding of the Patent Office tribunals that the amendments to that application involved new matter was based upon evidence not of record in the case; and that this court should consider the disclosure in the patent without regard to any amendments which may have been made to the application as originally filed.

The question as to whether appellant disclosed the involved invention in his application No. 358,700, as originally filed, was raised by his motion to shift the burden of proof. In order to determine that question, it was, of course, proper for the tribunals of the Patent Office to determine whether there were amendments to that application, and, if so, whether they involved new matter. We hold, therefore, that the tribunals of the Patent Office not only had the right, but that it was their duty, to examine appellant's application No. 358,700, and the amendments thereto, in order to determine whether, as originally filed, it disclosed the involved invention.

In view of the fact, however, that neither the application, as originally filed, nor the amendments subsequently made thereto were made a part of the record, and, therefore, are not before us, we must accept the statements contained in the decisions of the tribunals of the Patent Office as to the disclosure in the original application, as well as to the subject matter of the amendments subsequently made thereto.

It is further contended by counsel for appellant that the evidence of record establishes that appellant conceived the invention and actually reduced it to practice some time during the year 1929, but that, should it be held that that evidence is insufficient to establish that appellant actually reduced the invention to practice during that period, it is, nevertheless, sufficient to establish conception by appellant as early as June, 1929, or December 31, 1929, and that he was diligent in reducing the invention to practice at the time appellee entered the field (January 11, 1930), and continuously, thereafter, until April 24, 1930, when appellant filed his application No. 446,899 (now Patent No. 1,915,852); that that patent discloses the involved invention; that appellant is entitled to the date of the application upon which that patent issued for constructive reduction to practice; that he was the first to conceive the invention; and that, as he was diligent until he filed his application No. 446,899, April 24, 1930, he is entitled to an award of priority.

It will be observed that the Board of Appeals stated in its decision that application No. 446,899, filed April 24, 1930, was amended on October 31, 1931, the date on which appellant amended his first filed application—No. 358,700.

Application No. 446,899, as originally filed, was not made a part of the record. Accordingly, as neither of the tribunals of the Patent Office held that, as originally filed, that application disclosed the invention and as it appears from the decision of the Board of Appeals that it was amended (to what effect and for what purpose is not stated in the Board's decision), we are unable to hold that appellant is entitled to the filing date of that application for constructive reduction to practice.

In his decision, the Examiner of Interferences reviewed the testimony of appellant's witnesses at some length, and concluded that it was insufficient to warrant a holding that appellant had either conceived or reduced the invention to practice prior to appellee's filing date—March 13, 1930.

Those of appellant's witnesses upon whose testimony appellant relies were employees of appellant's assignee—Carter Carburetor Corporation. They were asked whether they had seen one or more carburetors like that disclosed in Patent No. 1,872,708, and some testified that they had seen such a structure in 1929.

As illustrative of the character of testimony introduced by appellant in an effort to establish conception and actual reduction to practice of a carburetor conforming to the count in issue, we quote from the testimony of George M. Bicknell, who had been employed by the Carter Carburetor Corporation for twenty-four years, and, at the time of the giving of his testimony, was chief engineer of that corporation:

> Q. 9. Did you ever have any thermostats made for carburetors as set forth in Patent #1,872,708?
> A. Yes.
> Q. 10. Have you any drawings of such devices?
> A. I know we have a sketch of the exact type of thermostat shown here. *We have a drawing similar to and equivalent to the thermostat shown in the patent dated 12-31-29.* [Italics ours.]

The witness, whose testimony was not corroborated either by appellant or any other witness, stated that the drawing, dated December 31, 1929, which was introduced in evidence as appellant's Exhibit 55, was made by Tom McGann, a draftsman; that he recognized Mr. McGann's handwriting on the exhibit; and that the exhibit was made pursuant to instructions from him. He then testified as follows:

> Q. 20. What thickness of metal was used or indicated in this drawing for the thermostat?
> A. .017.
>
> Q. 21. Would you say that in view of the Patent #1,872,708 and your knowledge as an engineer that you selected this material and thickness for the construction?
> A. No. We wired the Dole Valve Company of Chicago, and asked them to furnish us thermostat metal in .015 and they did not have it but they had metal in .017 and they sent us the samples out of that metal.
> Q. 22. Then, you would have used .015 metal if it had been immediately available?
> A. Yes, that is what we asked for.
> Q. 23. Did you ever make a carburetor with the thermostat as shown in that drawing, or have it made?
> A. I believe we did, either exactly as shown in this drawing or similar to it. I am quite sure we made samples exactly like that.
> Q. 24. Did you have tests made of such carburetors?
> A. Yes.
> Q. 25. Did you find, as a result of such tests, that the thermostat operated in response to heat and suction to lean out the mixture up to a certain point?
> A. Yes, it did.
> Q. 26. Did you ever drive an automobile with that or a similar device on it?
> A. I did.
> Q. 27. Did it operate to your satisfaction?
> A. Very well.

Exhibit 55 does not contain any statement to the effect that the thermostatic valve would be operatively responsive to suction, and there is no testimony of record as to when carburetors conforming to the disclosure in that exhibit were constructed.

Appellant's witness Morris Brown, employed by the Carter Carburetor Corporation, whose work at the time he testified was "experimental work and calibration of carburetors with different passenger car motors", stated that he was familiar with the

"construction and operation of modern carburetors". When asked if he was familiar with the carburetor shown in appellant's Patent No. 1,872,708, he replied that he was, and that he had seen such a carburetor sometime in 1929. He testified that the thermostat in that carburetor was "anywhere from .015 to .030" in "thickness"; that during 1929 thermostats of different thicknesses were tested by him and the witness Maclaran Sawyer, whose testimony was stipulated. The stipulated testimony does not add anything to Brown's testimony.

The witness Brown after referring to certain tests made with carburetors conforming to the disclosure in appellant's patent No. 1,872,708, testified as follows:

Q. 94. Did you make any tests which would have enabled you to say whether the thermostat was operated by suction?
A. No. The suction factor so far as I was concerned wasn't known to me.

Counsel for appellant also rely upon the testimony of appellant's witness Leonard D. Boyce for proof of the construction and successful operation in 1929 of a carburetor conforming to the count in issue.

The witness Boyce testified that he was an engineer in the employ of the Carter Carburetor Corporation, and that his duties consisted of calibrating carburetors for the various Chrysler-made products. He was handed a copy of appellant's Patent No. 1,872,708, and was asked to state "just what the invention consists of". In reply, he stated:

It consists of thermostatic bi-metal attached to the main jet in such a way that when the *temperature* is low, one end of the bi-metal will move away from the orifice. If the *temperature* goes sufficiently high, the bi-metal will move toward the orifice, closing it except for a small hole as indicated in this patent drawing as 59. In other words have the effect of reducing the size of the orifice. [Italics ours.]

We quote further from the testimony of the witness:

Q. 17. The thermostatic element is indicated at 50 in that patent and in your answer to the previous question you have referred to the operation of this element by *means of variations in temperature.* Is the variation in temperature the only operation mentioned for that element? If not please state how it may operate otherwise.
A. The answer is no. *It is possible if the metal or if the orifice 59 is brought close to the jet, the suction on this jet will cause that bi-metal to go still closer even though the temperature is not high enough to hold it against the jet.*
Q. 18. To your knowledge was any carburetor or carburetors built *corresponding to the disclosure in that Patent 1,872,708?*
A. I have seen one or more of *such carburetors* in the plant.
Q. 19. State if you know whether there was ever *such a carburetor* applied to an automobile and if so at approximately what time?
A. *I installed one of these carburetors* on a four-cylinder Plymouth car in the summer of 1929.
Q. 20. State if you know whether Mr. Ericson owned an automobile in the early part of 1929 and state what kind of a car it was?
A. He had an Oakland.
Q. 21. Do you know *whether a carburetor corresponding to Patent 1,872,708* was ever applied to the Oakland?
A. *Yes, I was told by Mr. Ericson* that he had one on the car on a visit that he made to my home in the summer of 1929.
Q. What do you mean by the summer of 1929?
A. Around May or June. [Italics ours.]

The witness also testified that at that time (May or June 1929) appellant—

"insisted that the thermostatic metal, regardless of whether the temperature was high enough to close off the jet, or not close it had given him leaner mixture as he increased the speed of the car";

that, at that time, he disagreed with appellant, but that since "seeing some flow curves" he agreed with him; that he had driven the Oakland car referred to in his testimony; that it operated satisfactorily, but that he did not make any tests to determine how the carburetor functioned.

There is other testimony, given entirely from memory by some of appellant's witnesses, to the effect that a carburetor was constructed in 1929 in conformity with appellant's Patent No. 1,872,708, and that the thermostatic element in that carburetor was made of very thin material. We are in agreement, however, with the conclusion reached by the tribunals of the Patent Office that that testimony is wholly insufficient to establish either conception or actual reduction to practice of the involved invention at any time prior to the time appellee filed his application (March 13, 1930), and, for the reasons hereinbefore stated, we are unable to hold that the Examiner of Interferences and the Board of Appeals erred in holding that appellant's application No. 358,700 (now Patent No. 1,872,708), as originally filed, did not disclose the involved invention.

Accordingly, the decision of the Board of Appeals affirming the decision of the Examiner of Interferences awarding priority of invention to appellee is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE EWALD

No. 4,171. Decided June 19, 1939

[104 F.(2d) 622]

PATENTABILITY—FRUIT SPLITTING APPARATUS.

Certain claims for fruit splitting apparatus *Held* unpatentable over the prior art, and a certain other claim *Held* patentable.

APPEAL from Patent Office. Modified.

Messrs. Cox and Moore (*Mr. Ballard Moore, Mr. Curtis F. Prangley* and *Mr. Richard R. Trexler* of counsel) for Ewald.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 15, 16, and 22 in appellant's application for a patent for an alleged invention relating to improvements in fruit splitting apparatus.

Claims 15 and 22 are illustrative of the appealed claims. They read:

15. Fruit splitting apparatus comprising fruit severing means including means providing opposed surfaces disposed in the plane of the opposed surfaces of the fruit severing means and against which the cut sections of the fruit are adapted to lie after the cutting operation, means for conveying a whole fruit into contact with the cutting means to sever the fruit and to convey the severed portions onto the said opposed surfaces, each of said opposed surfaces having a plurality of countersunk portions, the total area of the countersunk portions being relatively great as compared to those portions of the opposed surfaces which lie in the plane of the severing means whereby to prevent the formation of a vacuum between the said opposed surfaces and the cut face of the fruit so as to prevent sticking.

22. In a fruit-treating apparatus, the combination of a frame, fruit-conveying means adapted to travel along a horizontal pathway at a predetermined level, from a fruit-feeding station to a spreader station, fruit-severing means disposed in the path of the conveying means for severing the fruit into sections, fruit-spreading means comprising opposed extended surfaces shiftable to one position to lie substantially vertically in the path of said conveying means to receive the severed sections thereon, movable fruit-holding means adapted to be moved into position adjacent the fruit-spreading means for receiving the fruit sections from said spreading means, and means carried by each spreading means adapted to contact with each fruit section as each fruit section is moved onto said spreading means for preventing each fruit section from shifting downwardly while said spreaders are in vertical position.

The references are: Eldridge, 1,512,410, October 21, 1924; Dorsey, 1,548,192, August 4, 1925.

The apparatus defined by the appealed claims is that particular part of a fruit treating machine called a "splitting device".

As stated in appellant's application, the apparatus defined by the appealed claims is so designed and arranged that it will—

"engage the flat faces of fruit being halved in a manner preventing lateral displacement of such halves during the remaining splitting and subsequent operations thereon."

We quote the Primary Examiner's description of the apparatus as follows:

The subject of the claims is a device for halving a whole pear and automatically delivering the halves to individual cups with the cut face facing upwardly. More specifically they are directed to the specific structure of the spreadable wings which deliver the halves to the cups. In operating the device, a pear from which the stem end has been bobbed is delivered directly beneath the carriage * * * and clamping jaws * * * and raised into position between the jaws. The jaws then move together and clamp the fruit * * *. The carriage then moves along the bars * * * and conveys the fruit through the vertical halving knife * * * and onto the vertically positioned abutting wings * * *. The wings carry fins * * * on which the respective halves are impaled. The face of the wings are grooved longitudinally * * *, and transversely * * *. After delivering the halves onto the wings the jaws open and the carriage returns to initial position. The wings with the halves impaled thereon spread apart to a horizontal plane * * * and deposit their halves into * * * cups * * *.

The reference patents need not be described in detail, as the issues involve only the countersunk portions or grooves of the spreading wings, as defined in claims 15 and 16, and means carried by the spreading wings for preventing the halves of the fruit "from shifting downwardly while said spreaders are in vertical position", as called for in claim 22.

The patent to Eldridge relates to a fruit pitting machine, and the structure disclosed is similar to that defined by appellant in appealed claims 15 and 16, except that it does not disclose the countersunk portions on the outer surfaces of the spreading wings.

It is contended by counsel for appellant that the patent to Eldridge does not disclose the element or means carried by the spreading wings to prevent the fruit sections from shifting downwardly, as defined in appealed claim 22.

The patent to Dorsey relates to a vegetable slicer, and discloses—

"longitudinally extending grooves * * * between which are ridges * * * upon which the fruit or vegetable * * * being sliced rides."

Relative to the longitudinal grooves on the spreader wings, the patentee states that they—

"serve both to reduce the friction of operation, *and to admit air beneath the unsliced part of the vegetable or fruit, thus preventing it from sticking.*" [Italics ours.]

As to claims 15 and 16, the tribunals of the Patent Office concurred in holding that it would not involve invention to provide the spreader plates, disclosed in the patent to Eldridge, with a plurality of countersunk portions to prevent the formation of a vacuum between the opposed surfaces of the plates and the cut face of the fruit so as to prevent sticking, in view of the countersunk portions in the spreader wings disclosed in the patent to Dorsey.

Relative to the means carried by the spreader plates to prevent the fruit sections from shifting downwardly while the spreader plates are in vertical position, called for in appealed claim 22, the Primary Examiner held that the patent to Eldridge discloses means carried by the patentee's spreader plates to prevent the fruit sections from moving downwardly as they are moved onto the spreader plates and while the latter are in vertical position.

In its decision relative to the apparatus defined in claims 15 and 16, the Board of Appeals said:

The Examiner has held with respect to claims 15 and 16 that it would not involve invention to place vacuum-breaking grooves on the fruit separator blades 24 and 25 of Eldridge, particularly in view of the fact that grooves on the beds of vegetable slicers are old, as shown by Dorsey.

Appellant argues that in Eldridge it would be undesirable to break the suction as the fruit portions should be held in vertical position. He also contends that inasmuch as the cups * * * move the fruit portions longitudinally of the blades * * *, the suction-breaking grooves are not needed.

We are not convinced that it might not be desirable to place grooves on the spreading members of Eldridge as we believe that these members may start to operate almost before the fruit portions have moved away from the upper cup members * * *. Perhaps it is not evident that these grooves may be needed. We believe that it would not require invention to provide them if it was found that the fruit had a tendency to stick to the blades. It should be noted that the claims before us are not limited to appellant's particular type of machine and we do not consider that he should be granted claims which might interfere with what we regard as an obvious modification of the Eldridge structure.

As to claim 22, the Board stated:

* * * The feature of this claim which appellant relies upon is to be found in the last clause. It relates to the means for preventing each fruit section from shifting downwardly while the spreaders are in vertical position. Eldridge shows means 31 for preventing the fruit sections from moving downwardly but the fruit sections will move downwardly somewhat before they rest against the shelves * * *.

We believe, in a sense, that the fruit takes a rather diagonal downward course as it is finally deposited against the blades * * * of Eldridge. Even if this is a somewhat forced construction of the language of the claim, however, we consider that Eldridge should be permitted, if he finds it desirable, to elevate the shelves * * * and provide an arrangement whereby the cups * * * will move upwardly as they approach the spreading members so that it is unnecessary for the fruit sections to be lowered. Again we are taking the position that we believe appellant should not be allowed claims which would read upon modifications of structure so different from his own and which, we consider, cannot be regarded as a patentable advance, particularly when set forth so broadly that the claim will read upon both types of machines.

It is argued by counsel for appellant that it is impossible to provide the spreader wings, disclosed in the patent to Eldridge, with countersunk portions without consequent marring of the fruit, and that to provide the Eldridge spreader wings—

"with grooves of sufficient area to prevent the formation of a vacuum between the outer surfaces of the spreader plates and the cut surfaces of the pieces of half peach"

would make the Eldridge device inoperative.

The issue is not whether providing the spreader wings of the Eldridge structure with countersunk portions, clearly suggested by Dorsey, would make the Eldridge device inoperative, but rather whether in view of the Eldridge disclosure and the disclosure in the Dorsey patent it would require invention to "bring about the arrangement shown" in appel-

lant's device. *In re Dubilier*, 20 C. C. P. A. (Patents) 809, 62 F.(2d) 374, 429 O. G. 4; *In re Nielsen*, 23 C. C. P. A. (Patents) 783, 80 F.(2d) 71, 464 O. G. 5.

We are in agreement with the tribunals of the Patent Office that in view of the disclosures in the references it would not involve invention to produce the structure defined in appealed claims 15 and 16.

It will be observed that as to the limitation contained in claim 22, that is, means carried by the spreader wings adapted to contact the fruit sections as they are moved onto the spreader wings for preventing the fruit sections from shifting downwardly while the wings are in vertical position, the Board of Appeals in its decision conceded that such element is not disclosed in the Eldridge patent, stating that Eldridge discloses—

"means 31 [horizontal shoulders carried by the spreader plates] for preventing the fruit sections from moving downwardly *but the fruit sections will move downwardly somewhat before they rest against the shelves 31.* We believe, in a sense, that the fruit takes a rather diagonal downward course as it is finally deposited against the blades 24, 25 of Eldridge." [Italics ours.]

The Board then suggested in its decision that the patentee—

"Eldridge should be permitted, if he finds it desirable, to elevate the shelves 31 and provide an arrangement whereby the cups 2 will move upwardly as they approach the spreading members *so that it is unnecessary for the fruit sections to be lowered*";

and stated that it believed appellant—

"should not be allowed claims which would read upon *modifications of structure so different from his own* and which, we consider, cannot be regarded as a patentable advance, *particularly when set forth so broadly that the claim will read upon both types of machines.*" [Italics ours.]

We are in agreement with the Board of Appeals that the means carried by the spreader plates in the Eldridge structure do not prevent the fruit sections from shifting downwardly as they are moved onto the spreader plates and while the latter are in vertical position. Furthermore, there is no suggestion in the patent to Eldridge of providing the spreader plates with means to prevent the fruit sections from moving downwardly as they move onto the spreader plates. The Board evidently recognized that fact and suggested a modification of the Eldridge structure, in which modified structure, the Board stated, the spreader plates could be provided with means to prevent the fruit sections from moving downwardly as they are moved onto the spreader plates, and then held that appealed claim 22 read on the modified Eldridge structure.

The patent to Eldridge neither discloses nor suggests the use of means on the spreader plates to prevent the fruit sections from moving downwardly as they are moved onto the spreader plates and while the latter are in vertical position, nor are we convinced that it would be obvious to one skilled in the art to so modify the Eldridge device that it would operate as does appellant's. Accordingly, we must hold that claim 22 was improperly rejected on the Eldridge patent.

For the reasons stated, the decision of the Board of Appeals is modified, being affirmed as to claims 15 and 16, and reversed as to claim 22.

Modified.

U. S. Court of Customs and Patent Appeals

CHRISTIAN *v.* MULLER

No. 4,143. Decided June 15, 1939

[104 F.(2d) 361]

(1) INTERFERENCE—INTERPRETATION OF COUNTS.

"It is elementary that in interference proceedings counts must be given the broadest interpretation which they will reasonably permit, but express limitations cannot be ignored. It is also well established that limitations will not be read into claims for the purpose of avoiding the issue of priority. Such limitations, to be binding, must appear in the count itself."

(2) SAME—PRIORITY.

Record reviewed and *Held* that the disclosure of the senior party M supports the counts and that priority was properly awarded to him since his date of filing antedated any date claimed by the junior party C.

APPEAL from Patent Office. Affirmed.

Mr. Clarence B. Des Jardins (*Mr. George Ramsey* and *Messrs. Church and Church* of counsel) for Christian.

Messrs. Davis, Lindsey, Smith & Shonts (*Mr. Leroy C. Shonts* and *Mr. Charles M. Thomas* of counsel) for Muller.

LENROOT, *J.*:

This is an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding priority of invention of the subject matter in issue to appellee.

The counts are numbered 1 to 15, inclusive, of which counts 1, 3, and 9 are illustrative and read as follows:

1. In a machine of the class described, the combination of a shiftable traveling carriage; a rockable platen carrying frame supported thereby; means controlling the columnar positioning of said carriage; and means rendered effective by the carriage and functioning after the carriage is moved to a predetermined columnar position for rocking the platen carrying frame into a more accessible position to facilitate the insertion and removal of material therein.

3. A front-feed machine of the class described having a traveling paper carriage, a platen on said carriage, feed rolls cooperating with said platen to form a front-feed throat for receiving work sheets, said platen and feed rolls being mounted to enable a relative movement to occur between them to open and close said front-feed throat, power means operable in all the columnar positions of the carriage and independently of carriage travel for causing a relative movement between said platen and feed rolls to open said throat, said power means being normally in ineffective position, and means controlled by said carriage for rendering said power means effective in a predetermined columnar position of said carriage.

9. A front-feed machine of the class described having a motor driven operating means adapted to give said machine cycles of operation, a printing mechanism, a traveling paper carriage, a platen on said carriage, means for holding a record sheet about said platen, front-feed means on said carriage for receiving and holding a front-fed work sheet in front-fed position relative to said platen, said front-feed means including portions forming a front-feed throat which portions are movable from closed to open throat position and vice versa, a front-feed paper chute on said carriage for guiding work sheets into said throat while it is open, throat opening means operable by power furnished by said motor driven operating means during a cycle of operation of said machine and independently of travel of said carriage for moving said front-feed means to open throat position, and means controlled by said traveling paper carriage for causing said power operated throat opening means to move said front-feed means to open throat position.

The interference arises between an application of appellant filed January 27, 1933, and an application filed by appellee on July 23, 1930.

The involved invention relates to calculating machines and especially to the carriage of front-feed type. The particular feature here involved is the separation of the feed rolls from the platen to form a front-feed throat to receive front-feed work sheets in certain columnar positions of the carriage.

Inasmuch as the preliminary statement of appellant alleged conception of the invention subsequent to the filing date of appellee, appellant was placed under an order to show cause why judgment on the record should not be entered against him. Within the motion period fixed by said order appellant moved to dissolve the interference upon the ground that appellee had no right to make claims corresponding to the counts involved in the interference.

Originally the interference contained twenty-one counts. Six of the counts were eliminated through dissolution of the interference as to them.

Of the counts before us, the Primary Examiner denied the motion to dissolve as to counts now numbered 5, 7, 9, and 10, and granted it as to the remaining counts. Upon appeal the Board of Appeals reversed the decision of the Primary Examiner with respect to counts 1 to 4, inclusive, and counts 6, 8, and 11 to 15, inclusive, as the counts are numbered before us. After said decision of the Board the counts were renumbered.

Thereafter judgment upon the record was entered against appellant and priority of invention of the subject matter of the counts before us was awarded to appellee.

Upon appeal the Board of Appeals affirmed this decision of the Examiner of Interferences and appellant brings this action before us for review.

While the mechanism involved in the invention is very complicated, in view of the issues before us no extended description of the involved mechanism is necessary.

Counts 1 to 4, inclusive, and counts 6, 8, and 11 to 15, inclusive, contain the limitation in one form or another of the element in count 1 reading—

"and means rendered effective by the carriage and functioning after the carriage is moved to a predetermined columnar position for rocking the platen carrying frame into a more accessible position to facilitate the insertion and removal of material therein."

It appears from the record that in the prior art the front-feed throat could be automatically opened by the movement of the carriage, there being, however, but one power source, and the objective of both parties hereto concerned the improvement of providing a power means separate from the power means actuating the carriage, but controlled by the carriage, for automatically opening the front-feed throat.

To accomplish this appellee provided an additional motor-actuated spring, the power of which is released by the movement of the carriage through means not necessary to describe.

Appellant, on the other hand, employs the power of an electric motor to open the front-feed throat in a direct manner without the use of a spring.

In so far as an independent source of power to open the front-feed throat is concerned, the disclosure of both parties is identical, but they accomplish the purpose in different ways.

In appellee's construction the carriage releases the power mechanism before the carriage has reached a predetermined columnar position, while in appellant's construction it is claimed by appellant that the power mechanism is not released until the carriage had become stationary in a predetermined columnar position.

The Board of Appeals held that in order for appellant's device to operate the carriage must move to effect the release of the power mechanism, and in fact might be moving at the time the motor-actuated part was effective.

We do not find it necessary to discuss this matter except to say that it seems to us that in appellant's structure the separate power means is not released by the carriage until the carriage has reached its predetermined columnar position, while in appellee's structure the release may be adjusted to take effect at any point between columnar positions.

However, appellee's specification states that the preferable adjustment of the mechanism is such that the power mechanism is released "just before" the carriage reaches the new columnar position. The specification states:

The releasing of the latch by the paper carriage places no appreciable load on the carriage and such release may take place during a very small carriage movement, with the result that the control of the automatic throw-back mechanism by the paper carriage does not interfere in any way with the ordinary carriage movement and does not require any extended travel of the carriage in order that the necessary control may be obtained.

It will be recalled that the carriage tabulates to a new columnar position at the end of a stroke of operation of the calculating machine. The studs 110 and 111 on the ball 80 which control the latch 100 are preferably positioned so that the latch is released *just prior* to the time the carriage engages the stop that arrests it in the columnar position to which it is moving. The sequence of operations is that, near the end of a stroke of operation of the machine, the carriage tabulates to a new columnar position and *just before* the carriage reaches this position the latch 100 is released whereupon the automatic throw-back mechanism operates to move the platen out of printing position so that the operator can remove the necessary papers and insert new ones. [Italics ours.]

It seems to us that in appellee's disclosure, if the latch is released just before the carriage is arrested in the columnar position, the power means for opening the front-feed throat will not become effective to any material extent until the carriage has come to a stop in its predetermined columnar position. The Board of Appeals noted the fact that there is no statement in the counts as to a timing related to stopping of the carriage in a predetermined columnar position. In other words the counts do not require that the carriage be stationary at the time the power mechanism for opening the front-feed throat is released so that it may begin to operate.

[1] It is elementary that in interference proceedings counts must be given the broadest interpretation which they will reasonably permit, but express limitations can not be ignored. It is also well established that limitations will not be read into claims for the purpose of avoiding the issue of priority. Such limitations, to be binding, must appear in the count itself. *Woelm* v. *Hasselquist*, 20 C. C. P. A. (Patents) 806, 62 F.(2d) 367, 429 O. G. 501.

So here, we may not read into the counts the limitation that the power mechanism for opening the front-feed throat does not begin to operate until after the carriage has become stationary in a predetermined columnar position.

The action of the carriage is very rapid and we think appellee discloses that the means for opening

the front-feed throat operates after the carriage is moved to a predetermined columnar position when we take into consideration that there is evidently some lag between the release of the latch and the rocking of the platen or, in other words, the opening of the front-feed throat.

We therefore hold that the element of the counts here under consideration, broadly interpreted, is supported by appellee's disclosure.

The next element to be considered is found in all of the counts except counts 1, 11, 12, and 15. The element is expressed in count 3 as follows:

> * * * power means operable in all the columnar positions of the carriage and independently of carriage travel for causing a relative movement between said platen and feed rolls to open said throat, said power means being normally in ineffective position, * * *.

It is the contention of appellant that the means for rocking the platen carrying frame to front-feed position, automatically or under the control of the carriage, disclosed by appellee, is not operable independently of carriage travel.

We are of the opinion that the element above quoted refers to the capacity of the power means to move the front-feed throat without utilizing the power of carriage travel to accomplish that purpose. This is the major feature of the involved invention, and we think it is clearly expressed in the counts. It is clear that the power means referred to in the element above quoted, and there stated to be operable independently of carriage travel, is the power means which, once released, operates directly to open the front-feed throat mechanism. It does not embrace the means by which said throat-opening means is released; this latter means is covered by the provision in count 3 immediately following the element above quoted and reading:

> "and means controlled by said carriage for rendering said power means effective in a predetermined columnar position of said carriage."

Obviously the means controlled by the carriage movement—

> "for rendering said power means effective"

is not embraced in the first quoted element; so to construe the count would result in the anomaly of having such means once described as—

> "operable independently of carriage travel"

and, immediately following, as being—

> "controlled by said carriage".

The carriage travel has no effect whatever upon the operation of the power means referred to, other than to release it for independent operation as set forth in the counts. Upon this point the Board of Appeals stated:

> The question of whether the power means of Muller is effective independently of carriage travel is raised. In Muller the carriage releases the power means for action but the power means is independent of the carriage travel as far as exerting power is concerned. In fact, a special key is provided to allow action of the power means when desired. The movement of the carriage does not necessarily cause movement of the spring-operated slide 84. In the Christian construction also the release of the catch 156 by the movement of the carriage does not control or effect operation of the power means. We consider broadly Muller has power means independent of the carriage travel for moving the front-feed means.

In our opinion this matter is so clear as to require no further comment.

Appellant contends that in appellee's disclosure the automatic rocking of the platen-carrying frame cannot take place during a cycle of operation, as called for by counts 8 to 12, inclusive. Upon this point the Board of Appeals in its decision upon the motion to dissolve said:

> There is also a question as to the operation of Muller's slide 84 during a cycle of operation of the machine. Slide 84 can be effectively operated at the end of a carriage movement and we do not consider the term "cycle of operation" should be so narrowly interpreted as to exclude such operation of the slide 84 even if spring 90 is tensioned at the end of a cycle of operation.

As observed by appellee's counsel, each of said counts refers to "a cycle of operation of said machine," and not to a cycle of operation of any of its parts.

We are in agreement with the Board that appellee's disclosure supports the element of the counts referring to the "cycle of operation of said machine."

Appellant further contends that counts 8 to 11, inclusive, require direct action of the machine motor to open the front-feed throat, and that appellee cannot make these counts because the throat opening is, in his construction, accomplished by the energy of a spring, which spring is made effective by the motor to transmit energy.

That the front-feed throat opening means is operated indirectly by the motor in appellee's construction is clear. In each cycle of operation of the machine the motor tightens the spring, storing its energy for use in the next cycle of operation of the machine.

We find nothing in said counts requiring the front-feed throat opening means to be operated directly by the motor, and we are not at liberty to read the word "directly" before the word "operable" in said counts.

We are of the opinion that appellee's disclosure responds to the element of counts 8 to 11, inclusive, under consideration.

Finally appellant contends that he should be awarded priority with respect to count 12 because it literally is not supported by appellee's disclosure. Upon this point the Board of Appeals stated:

> Appellant raised a question as to count 12 because of an error in the printing of this count. The error is obvious as the count as it stands would not read on either party. The count may be corrected before the applications are passed to issue.

With respect to this appellant's counsel in their brief state:

> Count 12 calls for means "to thereby move the platen to printing position, to move the front-feed throat to open-throat position, and to move the paper chute from work-sheet-holding to work-sheet-receiving position." It is indisputable that Muller does not disclose a construction in which the platen moves to printing position at the same time the front-feed throat moves to open-throat position, and the paper chute moves to work-sheet-receiving position. In Muller, the platen moves to feeding position, at the time the front-feed throat moves to open-throat position and the paper chute to work-sheet-receiving position. Muller concedes that this count will not read on his structure. On this point, the Board of Appeals said (Rec., p. 410):
>
> "Appellant raised a question as to count 12 because of an error in the printing of this count. The error is obvious as the count as it stands would not read on either party."
>
> This was not a printing error, but an error made by Muller in drafting the claim. See claim 147 (count 12) as it appears in Amendment D of the Muller application (Rec., p. 228).
>
> Since the claim obviously does not read upon the Muller application, Christian's motion to dissolve as to this count should have been granted, priority should not have been awarded to Muller, and the decision of the Board should be reversed and priority awarded Christian, as to count 12.

It is obvious that there is an error in the count in that the word "printing" should be "front-feed". As the count now reads it is not supported by either application. Appellant does not deny that the word "printing" instead of the words "front-feed" was an error, and we are clear that the count should be read in accordance with the clear intention of the parties in making the claims corresponding to this count.

Appellant in his motion to dissolve did not mention this error, and it does not seem to have been discovered until after appeal to the Board of Appeals from the award of priority made by the Examiner of Interferences.

We are entirely in accord with the view of the Board of Appeals that the error in count 12 is obvious, that it should be ignored in this proceeding, and that the error may be corrected before a patent is issued. If priority with respect to this count should be awarded to appellant instead of to appellee, it would be equally necessary to correct the error before a patent containing this count could be issued upon his application.

[2] Finally, we would observe that the Board of Appeals in its final decision upon the award of priority stated that appellant is attacking the language of the counts in a highly technical manner. This, of course, appellant has the right to do; and appellee, in order to succeed, must successfully meet technical objections. However, the object of an interference proceeding is to determine which of two or more parties is the first inventor of the subject matter in issue, and we are strongly of the opinion that appellee's disclosure supports the counts here involved.

There being no other issue involved in the appeal before us, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

AFFILIATED PRODUCTS, INC.
v.
CRAZY WATER COMPANY

No. 4,145. Decided June 15, 1939

[104 F.(2d) 366]

1. TRADE-MARKS—OPPOSITION—GOODS OF SAME DESCRIPTIVE PROPERTIES—SHAVING CREAM AND DEPILATORY.

   Shaving cream *Held* to possess the same descriptive properties as a depilatory.

2. SAME—SAME—SIMILARITY OF MARKS—"NEXT" AND "NEET".

   Trade-Mark "Next" for use on shaving cream *Held* not confusingly similar to opposer's registered mark "Neet" used on a depilatory.

APPEAL from Patent Office. Affirmed.

Mr. Edward S. Rogers, Mr. James F. Hoge, Mr. L. B. Stoughton, Mr. Francis L. Browne, Mr. Dudley Browne, and *Mr. Thomas L. Mead, Jr.*, for Affiliated Products, Inc.

Mr. Howard P. King and *Mr. Charles R. Allen* for Crazy Water Company.

JACKSON, *J.:*

This is an appeal, in a trade-mark opposition proceeding, from a decision of the Commissioner of Patents, which reversed a decision of the Examiner of Trade-mark Interferences sustaining the opposition of appellant to the registration by appellee of the word "Next" as a trade-mark applied to "Shaving Cream, and Shaving, Toilet, and Bath Soaps," application for which was filed May 19, 1936.

Appellant is the owner of trade-mark registrations No. 128,397, dated January 6, 1920, and No. 153,744, dated March 28, 1922, of the word "Neet" for use, respectively, on "an antiseptic lotion for use as a depilatory" and "toilet articles namely, depilatories and antiperspirants."

The opposition was brought under the confusion in trade clause of section 5 of the Trade-Mark Act of 1905 (as amended). The sole issue is whether or not the word "Next," sought to be registered by appellee, so nearly resembles the trade-mark "Neet" of appellant, and is appropriated to merchandise of the same descriptive properties, as to be likely to cause confusion in the mind of the public or to deceive purchasers.

Both parties took testimony and filed numerous exhibits. The words involved appear on the goods of the respective parties as follows:

Neet Next

The record as a whole discloses that appellee applies the word "Next" in the form above set out, to a brushless shaving cream put up in glass jars, and that the only product sold by appellant to which its involved trade-mark "Neet" is or has been applied, for nineteen years, is a chemically acting depilatory put up in collapsible tubes. Both products are sold in stores dealing in toilet and cosmetic articles. The shaving cream of appellee is ordinarily used by men in the usual shaving operation. The depilatory of appellant is a hair remover which is applied generally to parts of the body growing superfluous hair and is ordinarily used by women. When the depilatory is washed off, the hair under it has disappeared. Thus, while the shaving cream is mechanical in its function, the depilatory functions by chemical action.

The record also shows that the radio advertising used by both parties is directed to the attention of men by the appellee and of women by the appellant.

The Examiner of Interferences observed that the resemblances and differences in the marks and the specific differences in the characteristics of the respective goods were obvious from mere inspection. Because of the resemblances and differences, the question of likelihood of confusion in trade seemed doubtful to him, and in accordance with office practice he resolved the doubt in favor of appellant, the prior user.

The Commissioner held that since the record shows quite conclusively that appellee had not used the mark on any product except shaving cream, no other item of appellee's merchandise need be considered. This was a proper holding.

The Commissioner also held that the goods of the respective parties are of the same descriptive properties under the trade-mark act, but specifically that they differ somewhat widely. With respect to the words involved, he pointed out that both are words of one syllable with three letters common to each, and that each word begins and ends with the same letters.

He stated that these points of visual similarity might conceivably cause some degree of confusion among careless observers if the marks were applied to identical goods, but added further that in sound and meaning the two words were so different that their confusion seemed virtually impossible. Based upon the foregoing reasoning, the Commissioner reversed the decision of the said Examiner.

We have no doubt but that the involved marks, even though they be made up of the same number of letters and begin and end with the same letters, as above illustrated, appeal to the ocular sense in a quite different way. That the difference in sound is distinct is obvious. As to their meaning, we think it quite clear that in either seeing, or hearing the word "Next" pronounced in connection with shaving cream, association of ideas immediately pictures the barber shop with the barber announcing "next" to his longest waiting customer. If the trade-mark of appellant conveys any meaning at all, it is that of neatness and tidiness.

[1] [2] The goods of the parties involved in this proceeding, we think, belong to the same broad class for the reason that they are toilet articles and are used in the process of removing hair. In these respects they may be said to possess the same descriptive properties. It can be readily seen, however, that they are not identical and their specific differences, considered with the dissimilarity of the marks in appearance, sound and meaning, bring us to the conclusion that the concurrent use by the parties of their respective marks would not be likely to create confusion in the mind of the public or to deceive purchasers. *Gotham Silk Hosiery Co., Inc.*, v. *Narrow Fabric Co.*, 26 C. C. P. A. (Patents) —, 102 F.(2d) 407; *Younghusband* v. *Kurlash Company, Inc.*, 25 C. C. P. A. (Patents) 886, 94 F.(2d) 230, 492 O. G. 8; *Skram Co.* v. *Bayer Co., Inc.*, 23 C. C. P. A. (Patents) 1049, 82 F.(2d) 615, 471 O. G. 249 (rehearing denied, 23 C. C. P. A. (Patents) 1286, 84 F.(2d) 392).

We have examined the cases cited by appellant but find that none of them are applicable to the state of facts here. It is rare in trade-mark cases to find precedents. As we said in the case of *J. Grecnebaum Tanning Co.* v. *Respro, Inc.*, 25 C. C. P. A. (Patents) 899,901, 94 F.(2d) 818, 494 O. G. 6;

• • • Unless there be a close relationship between the marks of decided cases and marks at issue in the case being heard, it is seldom helpful to an opinion for the courts to make comparisons and point out distinctions of fact.

For the reasons set forth herein, we are of opinion that appellee is entitled to the registration applied for and accordingly the decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CAMPBELL

No. 4,146. Decided June 15, 1939

[104 F.(2d) 394]

PATENTABILITY—DESIGN FOR A METAL CAPSULE.

Claim for a design for a metal capsule for compressed gases *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Charles A. Vilas and *Mr. Henry J. Savage* (*Mr. Paul A. Blair* of counsel) for Campbell.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office which affirmed that of the Examiner rejecting, in view of the prior art, the single claim in the case which reads as follows:

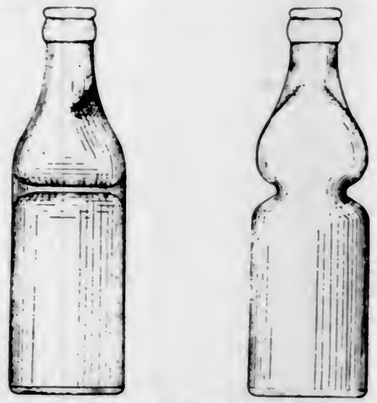
1. The ornamental design for a metal capsule for compressed gases, as shown and described.

The references are: Davison, 114,775, May 16, 1871; Smalley, 601,988, April 5, 1898; Korrodi, 640,207, January 2, 1900; Korrodi, 647,002, April 10, 1900; Schworetzky, 1,559,052, October 27, 1925; Meyer, Des. 85,487, November 3, 1931.

The application relates to a design for a metal capsule to contain compressed gases, the capsule to be used for carbonating water in rechargeable soda syphons. The specification of appellant states that "the characteristic feature of my design consists in a depressed band formed in the bulb." This is shown in the following illustration:



The only reference to which we find it necessary to refer is the patent to Meyer. This patent relates to an ornamental design for a bottle as below illustrated:



The Examiner, in his decision, held that the idea of indenting bottles is old as shown in the Meyer patent and that the indentation or groove continuously around the middle of a cylindrical bottle is shown in the Davison and Smalley patents. The Examiner also held that the capsule of the application is rather conventional in shape as shown by both Korrodi patents and the Schworetzky patent and stated that—

"it is not seen that a patentable design has been created in the instant case by forming a continuous groove about the middle portion of a capsule of the type shown in these references in view of the patents to Davison or Smalley".

The Board of Appeals, in affirming the decision of the Examiner, held that it was common to have a similar groove around bottles in the prior art and if there were any improvement in the appearance of a metal capsule by providing such groove it would be suggested by the prior art. The Board also stated—

"that Korrodi No. 640,207 shows a groove around the neck of a capsule and to arrange this groove down further in the body of the capsule would be an obvious expedient if considered desirable".

The Board of Appeals concluded its decision with the following statement:

We have noted appellant's argument as to his difficulty in suppressing a competitor who has used capsules of the old type sold by appellant but we believe there are other obvious ways by which such competition can be met without a change in shape of the capsule itself and therefore as such change does not improve the appearance of the capsule, we are not inclined to find patentability in such change.

We think that the purpose of appellant in selecting his design is immaterial. To warrant its patentability it must be not only ornamental but its production must also have required the exercise of the inventive faculty.

The Board indicated that, in its opinion, appellant's design was not ornamental. As to this we express no opinion for the reason that it appears clear to us that its production does not constitute invention.

The patent to Meyer discloses rounded grooves in the surface of the bottle and in that respect discloses that such design is old in the prior art. To groove the metal capsule container which is relatively small, when considered in the presence of the Meyer design patent on a container much larger and made of different material, obviously does not, in our opinion require the originality which must accompany invention, although the design may be novel. In the light of the Meyer patent, we do not consider it patentable. Surely it cannot be successfully contended that the extension of the groove, in the patent to Meyer, completely around the body of the bottle would be invention. Similarly here, the fact that the groove extends around the body of the capsule does not differentiate the design from the prior art in a patentable sense.

We cannot agree with the contention of appellant that to transfer a design for a glass bottle to the drawn-metal art would of itself amount to invention. The groove in connection with the bottle of the Meyer patent is quite similar in appearance to the groove in connection with the conventional shaped capsule. A design is something that appeals to the ocular sense and it is immaterial whether it be on metal, wood, glass, or any other solid material. The only issue before this court is whether appellant is entitled to a design patent in view of the prior art. Other matters presented in his brief, which are foreign to the issue, will not be considered here.

Both the Examiner and the Board have concurred in the finding that there is no invention over the prior art and with this finding we agree.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,470,107, A. L. Ruthven, Combination automatic and manually operatable air brake, power control and alarm system, appeal filed May 5, 1939, C. C. A., 3d Cir., Doc. 7093, *Union Simplex Train Control Co., Inc.*, v. *General Railway Signal Co.*

1,477,944, C. de Vere, Phonograph; 1,622,756, D. D. Beenken, Multiple record phonograph; 2,002,236, R. I. Wilcox, Automatic phonograph, D. C. Minn. (St. Paul), Doc. E 2962, *The Rudolph Wurlitzer Co.* v. *W. M. Filben (Filben Mfg. Co.)*. Stipulation and order of dismissal (notice Aug. 24, 1939).

1,491,789, C. W. Cowles, Electrical connection; 1,976,769, S. W. Borden, Electrical connecting device for electrical conductors, filed Aug. 30, 1939, D. C., E. D. N. Y., Doc. 584, *S. W. Borden* v. *M. D. Reddock.*

1,533,351, H. A. Genest, Process of shrinking, etc. felt articles, appeal filed Aug. 25, 1939, C. C. A., 2d Cir., Doc. 16,778, *U. S. Hat Machinery Corp.* v. *Boesch Mfg. Co., Inc., et al.*

1,536,588, M. F. Judd, Clutch, filed Aug. 29, 1939, D. C., N. D. Ind. (Ft. Wayne), Doc. 35, *Raybestos-Manhattan, Inc.*, v. *Asbestos Mfg. Co.*

1,545,808, G. Ajello, Safety device for aircraft, filed Aug. 23, 1939, D. C., S. D. N. Y., Doc. 5/157, *G. Ajello* v. *Pan American Airways Corp.*

1,580,581. (See Re. 20,042 (*b*).)

1,622,756. (See 1,477,944.)

1,731,967, L. J. Antonsen, Paper excelsior machine, D. C., W. D. Wash., N. Div., Doc. 933, *L. J. Antonsen* v. *S. Michelson.* Dismissed without prejudice Aug. 26, 1939.

1,735,261, T. J. Calhoun, Flame arresters, appeal filed May 19, 1939, C. C. A., 3d Cir., Doc. 7104, *The Johnston & Jennings Co.* v. *The Neville Co.*

1,768,503. (See Re. 20,042 (*a*) and (*b*).)

1,807,367, H. E. Woolery, Railway bolt tightener; 1,978,513, H. H. Talboys, Track wrench, D. C. Minn. (St. Paul), Doc. E 2998, *Woolery Machine Co.* v. *Northern Pacific Rwy. Co.* Decree favor plaintiff (notice Aug. 24, 1939).

1,815,768, A. Georgiev, Electrolyte, appeal filed Aug. 29, 1939, C. C. A., 2d Cir., Doc. —, *Aerovox Corp.* v. *Dubilier Condenser Corp.*

1,871,088. (See Re. 20,042 (*b*).)

1,872,115. (See Re. 20,042 (*b*).)

1,886,577, A. Ousdahl, Coal burning apparatus, appeal filed Mar. 8, 1939, C. C. A., 3d Cir., Doc. 7032, *W. T. Gardiner et al.* v. *Freed Heater & Mfg. Co.*

1,949,353, O. S. Burman, Laundry tub and soap tray, D. C. Minn. (St. Paul), Doc. E 2921, *O. S. Burman* v. *M. Larkey et al.* Injunction for plaintiff (notice Aug. 24, 1939).

1,959,047, R. R. Bollman, Creasing apparatus, filed Aug. 28, 1939, D. C., S. D. N. Y., Doc. 5/184, *The Munny Mfg. Co.* v. *Cole-Toomey Co., Inc.*

1,970,848, R. S. Grant, Display window bag, D. C., E. D. Pa., Doc. 9661, *The Jaite Grant Display Bag Co.* v. *T. M. Royal Co.* Dismissed July 27, 1938.

1,976,769. (See 1,491,789.) 1,978,513. (See 1,807,367.)

1,992,179, Blosser & Burke, Napkin folding machine, filed Aug. 25, 1939, D. C., S. D. N. Y., Doc. 5/173, *Veldown Co., Inc.*, v. *Sitroux Co., Inc.*

1,994,850. (See 2,150,311.)

1,998,702, J. Boline, Ski, D. C. Minn. (St. Paul), Doc. E 2953, *J. Boline* v. *Northland Ski Mfg. Co.* Dismissed on motion of plaintiff (notice Aug. 24, 1939).

2,002,236. (See 1,477,944.)

2,014,303. (See Re. 18,856.)

2,055,272. (See Re. 18,856.)

2,084,287, W. J. Handley, Apparatus for heating liquids with fluid fuel, D. C., W. D. N. Y., Doc. 93, *Handley Brown Heater Co.* v. *Empire Gas & Electric Co. et al.* Patent held valid Aug. 28, 1939.

2,126,544. (See 2,128,489.)

2,128,489. A. Lang, Window screen; 2,126,544, H. H. Everhard, Screen construction, filed Aug. 21, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 523–Y, *The Everhard Mfg. Co. et al.* v. *Automatic Tension Screen Co. et al.*

2,134,143, B. K. Paget, Ventilator, filed Aug. 25, 1939, D. C., N. D. Ohio, E. Div., Doc. 19,963, *B. K. Paget* v. *The Swartwout Co.*

2,135,600, C. H. Prange, Denture; Re. 20,877, same, Cast metallic denture, filed Aug. 28, 1939, D. C., S. D. N. Y., Doc. 5/183, *Nobilium Products, Inc.*, v. *Austenal Laboratories, Inc.*

2,150,311, R. C. Baker, Wash down and cementing shoe for well casings; 1,994,850, C. E. Burt, Cementing and floating shoe for well casings, filed Aug. 24, 1939, D. C., S. D. Ind. (Evansville), Doc. 41, *Baker Oil Tools, Inc.*, v. *H. Scott (Western Machinery Co.) et al.*

2,153,634. (See Des. 109,148.)

2,160,124, W. B. Cast, Knock-down load support, filed Aug. 25, 1939, D. C., S. D. Ohio, W. Div., Doc. 98, *W. B. Cast et al.* v. *The Rich Ladder & Mfg. Co.*

Re. 18,856, A. Weiss, Rotary intaglio printing machine; 2,014,303, 2,055,272, same, Rotary intaglio printing, appeal filed Aug. 25, 1939, C. C. A., 2d Cir., Doc. 16,779, *A. Weiss et al.* v. *R. Hoe & Co., Inc., et al.*

Re. 20,042 (of 1,768,503), (*a*), A. A. Byerlein, Drawing press, D. C., N. D. Ohio, W. Div., Doc. E 1467, *General Machinery Corp.* v. *Toledo Machine & Tool Co.* Consent decree (in conjunction with case E 1447) dismissing bill with prejudice Aug. 25, 1939.

Re. 20,042 (of 1,768,503) (*b*), A. A. Byerlein, Drawing press; 1,872,115, same, Press; 1,580,581, same, Metal stamping and drawing press; 1,871,088, Seidel & Hatch, Triple action power press, D. C., N. D. Ohio, S. Div., Doc. E 1447, *General Machinery Corp.* v. *The Toledo Machine & Tool Co.* Consent decree dismissing bill with prejudice Aug. 25, 1939.

Re. 20,877. (See 2,135,600.)

Des. 109,148 (2,153,634), M. C. Magarian, Signal arm, filed Aug. 18, 1939, D. C., N. D. Calif. (San Francisco), Doc. 21306–S, *M. C. Magarian* v. *Detroit Products Co.*

Des. 109,569, J. A. Silverman, Collar, filed Aug. 26, 1939, D. C., S. D. N. Y., Doc. 5/178, *M. W. Haft & Bros., Inc.*, v. *Kolbert-Lieberman, Inc.* Doc. 5/180, *M. W. Haft & Bros., Inc.*, v. *G. V. Lyons, Inc.* Doc. 5/177, *M. W. Haft & Bros., Inc.*, v. *P. Shlansky & Bro., Inc., et al* Doc. 5/179, *M. W. Haft & Bros., Inc.*, v. *Regal Garment Corp.* Same, filed Aug. 28, 1939, D. C., S. D. N. Y., Doc. 5/186, *M. W. Haft & Bros., Inc.*, v. *L. Dupkin et al.* (*Pioneer Cloak Mfg. Co.*).

Des. 116,348, V. S. Mandler, Dress, filed Aug. 25, 1939, D. C., S. D. N. Y., Doc. 5/168, *Revlon Dance Frocks, Inc.* v. *H. Goodman.*

Adjudicated Patents

(C. C. A. Va.) Lower patent, No. 1,373,748, for screw conveyer, *Held* not infringed. *Standard Stoker Co.* v. *Berkley Mach. Works & Foundry Co.*, 106 F.(2d) 475.

(C. C. A. Va.) Lower patent, No. 1,455,058, for locomotive stoker, *Held* not infringed. *Id.*

(C. C. A. Calif.) Barnickel patent, No. 1,467,831, for process for treating petroleum emulsions, *Held* valid and infringed. *Research Products Co.* v. *Tretolite Co.*, 106 F.(2d) 530.

(C. C. A. Ohio.) Wiegand patent, No. 1,614,330, for electrical heating element, *Held* valid and not infringed. *Wiegand* v. *W. Bingham Co.*, 106 F.(2d) 546.

(C. C. A. Ohio.) Wiegand patent, No. 1,614,938, for electrical heating element of the strip type, *Held* not infringed. *Id.*

(C. C. A. Va.) Hunt patent, No. 1,690,116, for stoker construction, *Held* not infringed. *Standard Stoker Co.* v. *Berkley Mach. Works & Foundry Co.*, 106 F.(2d) 475.

(C. C. A. Ohio.) Lightfoot patent, No. 1,699,898, for electric heater, *Held* invalid. *Id.*

(C. C. A. Va.) Hunt patent, No. 1,724,593, for stoker conveyer, *Held* not infringed. *Standard Stoker Co.* v. *Berkley Mach. Works & Foundry Co.*, 106 F.(2d) 475.

(C. C. A. Mo.) Cross patent, No. 1,758,146, for domestic heating system, *Held* valid and infringed. *Smith* v. *Mid-Continent Inv. Co.*, 106 F.(2d) 622.

(C. C. A. Ohio) Daley patent, No. 1,777,256, for transformer, claims 8, 14, and 19 *Held* valid and infringed. *France Mfg. Co.* v. *Jefferson Electric Co.*, 106 F.(2d) 605.

(D. C. N. Y.) Strong patent, No. 1,849,412, for trim for windows, doors, etc., claims 1 to 4 *Held* invalid. *Trimpak Corporation* v. *Schenectady Lumber Co.*, 29 F. Supp. 85.

(C. C. A. Calif.) Simons patent, No. 1,870,967, for building construction, *Held* invalid in part, and valid claims *Held* not infringed. *Simons* v. *Davidson Brick Co.*, 106 F.(2d) 518.

(C. C. A. N. J.) Ainsworth patent, No. 1,957,192, for lighting fixture, claims 1 to 6 *Held* invalid. *Ainsworth* v. *Gill Glass & Fixture Co.*, 106 F.(2d) 491.

(C. C. A. Pa.) Kublanow patent, No. 2,039,171, for wall tie, *Held* valid and infringed. *Starlock Mfg. Co.* v. *Kublanow*, 106 F.(2d) 495.

(C. C. A. Pa.) Kublanow patent, No. 2,039,171, for wall tie, *Held* valid and infringed. *Starlock Mfg. Co.* v. *Kublanow*, 106 F.(2d) 495.

(C. C. A. Ohio.) Fischer patent, No. 2,040,369, for electrical appliances, claims 1 to 3, 12, 14, 16, and 21 *Held* valid and infringed. *Forestek Plating & Manufacturing Co.* v. *Knapp-Monarch Co.*, 106 F.(2d) 554.

(C. C. A. Pa.) Hornicek patent, No. 2,054,511, for spacing and supporting means for brick veneer walls, *Held* invalid. *Starlock Mfg. Co.* v. *Kublanow*, 106 F.(2d) 495.

(C. C. A. Pa.) Kerner patent, No. 2,054,512, for locking means for tiles and bricks, *Held* invalid. *Id.*

(C. C. A. Pa.) Kublanow reissue patent, No. 20,116, for side wall mounting structure, *Held* valid and infringed. *Id.*

(C. C. A. Calif.) Simons reissue patent, No. 20,188, for building construction, claims 4 to 13 *Held* not infringed. *Simons* v. *Davidson Brick Co.*, 106 F.(2d) 518.

(C. C. A. Ohio.) Knapp design patent, No. 96,481, for design for a combined sandwich toaster and tray, *Held* valid and infringed. *Forestek Plating & Manufacturing Co.* v. *Knapp-Monarch Co.*, 106 F.(2d) 554.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,127,294, W. R. Griswold, Motor vehicle braking mechanism, decided November 3, 1939, claims 26 and 27.

Pat. 2,148,388, R. G. Wyld, Fan discharge casing, decided November 7, 1939, claims 1, 2, 3, and 4.

Disclaimers

2,061,329.—*Frank J. Reilly*, Miami, Fla. PROCESS AND APPARATUS FOR CONDITIONING COMMODITIES. Patent dated November 17, 1936. Disclaimer filed October 28, 1939, by the assignee, *Produce Conditioners, Inc.*

Hereby enters this disclaimer to claim 7 of said patent.

2,066,947.—*Frederic Remington*, Elizabeth, and *Lambert Sigfred Linderoth, Jr.*, Newark, N. J. COLLAPSIBLE TUBE. Patent dated January 5, 1937. Disclaimer filed November 3, 1939, by the assignee, *Peerless Tube Company.*

Hereby enters this disclaimer to claim 13 in said specification.

2,105,770.—*Harry Holdsworth*, Bronxville, N. Y. WALL CONSTRUCTION. Patent dated January 13, 1938. Disclaimer filed November 2, 1939, by the assignee, *Milcor Steel Company.*

Hereby makes disclaimer as to claims 6 and 7 as follows:

(*a*) As to claim 6, except a wall construction for a room in which the ceiling member comprises a vertical depending perforated flange, one side of which is overlapped by metal lathing.

(*b*) As to claim 7, except a wall construction for a room in which the base member is composed of a longitudinal strip having recesses to receive the lower ends of the webs of channel wall supports, the flanges of the channel wall supports overlapping the base member adjacent the recesses.

2,124,972.—*Edward Engel*, Bloomington, Ill. CABINET IRONER. Patent dated July 26, 1938. Disclaimer filed November 8, 1939, by the assignee, *Electric Household Utilities Corporation.*

Hereby enters this disclaimer to claim 4 of said patent.

2,145,941.—*Daniel E. Maxfield*, Philadelphia, Pa. METHOD OF AND APPARATUS FOR MAKING PACKAGES. Patent dated February 7, 1939. Disclaimer filed November 8, 1939, by the assignee, *Stokes and Smith Company.*

Hereby disclaims from the subject matter and scope of each of claims 1, 2, 3, 4, 5, 13, and 14 of said specification, those methods which are not characterized by the fact the exhaustion of the receptacle or container, while exposed to atmosphere, is effected prior to detachment thereof from the web or sheet material from which formed.

Changes in Classification

Order No. 3,493, November 10, 1939, directs:

In *class 131, Tobacco* (Division 2), change the titles of subclasses 241 and 246 to read as follows:

Tobacco users' appliances
With ash receiver
With cigar, cigarette or smoking device rest or holder
241 With special receiver support.
Smoking device cleaners
246 Bowl.

In *class 206, Special Receptacles and Packages* (Division 40), establish the following subclasses and definitions:

Receptacles
Pocket and personal use
Cigars and tobacco
41.1 Dispensing type
41.2 Cigars and cigarettes
41.3 With igniter.
Packages
48.5 Tobacco products.

41.1. Receptacles under subclass 41 having means to remove or to facilitate removal of material from the receptacle.
(1) Note.—For tobacco packages of dispensing type not intended for pocket use, see this class, subclass 48.5.
(2) Note.—For dispensing packages in general, see this class, subclass 56 and indented subclasses.
(3) Note.—For fluent material dispensing in general, see class 221, DISPENSING, appropriate subclasses.
(4) Note.—For article dispensing in general, see class 312, SUPPORTS, CABINET STRUCTURES, appropriate subclasses.

41.2. Receptacles under subclass 41.1 for containing cigars or cigarettes. Means is usually provided for ejecting or partially ejecting the cigars or cigarettes from the receptacle or for so positioning them that they may be easily grasped and removed from the receptacle.
Note.—For cabinets with cylindrical article ejectors, see class 312, SUPPORTS, CABINET STRUCTURES, particularly subclasses 45 and 72 and their indented subclasses.

41.3. Receptacles under subclass 41.2 provided with means to ignite the cigar or cigarette.
(1) Note.—For combinations of igniter with pocket receptacles not of dispensing type, see this class, subclass 41.4.
(2) Note.—For combinations of matches or match packages and cigar and cigarette packages, see this class, subclasses 38 and 48.
(3) Note.—For combinations of cigarette packages with cigarettes having ignitable material incorporated therewith, see class 131, TOBACCO, subclass 7.
(4) Note.—For cabinets having cigar or cigarette dispensers with igniters, see class 312, SUPPORTS, CABINET STRUCTURES, particularly subclasses 81, 82, 85, and 86.

48.5. Packages under subclass 46 containing tobacco or tobacco products.
(1) Note.—For pocket size packages of tobacco or tobacco products, see this class, subclass 41 and indented subclasses.
(2) Note.—For packages containing combinations of tobacco products with other things, see this class, subclasses 47 and 48.
(3) Note.—For tobacco packages claimed in combination with significant tobacco product structure, see class 131, TOBACCO, subclass 4 and indented subclasses.

The patents contained in these subclasses have been taken for the most part from class 206, subclasses 41, 41.4, and 56, and from class 131, Tobacco, subclass 11.

In *class 1, Nailing and Stapling* (Division 11), in the main class definition add the following note:

(6) Note.—For machines for attaching tags to cigars and plug tobacco which may include steps of forming pronged tags, see class 131, TOBACCO, subclasses 106, 113, and 114.

In *class 2, Apparel* (Division 24), subclass 21, add the following note:

Note.—For finger supported cigar and cigarette holding means, see class 131, TOBACCO, subclasses 186 and 257 and indented subclasses.

In *class 4, Baths, Closets, Sinks, and Spittoons* (Division 1), subclass 258, add the following note:

(2) Note.—For ash receivers, see class 131, TOBACCO, subclass 231 and indented subclasses; class 220, METALLIC RECEPTACLES, appropriate subclasses, particularly subclass 20.5, and class 232, DEPOSIT AND COLLECTION RECEPTACLES, subclass 1.

In class *15, Brushing, Scrubbing, and General Cleaning* (Division 27), subclass 21, number the existing note (2) and add:

(1) Note.—For machines for brushing tobacco leaves, see class 131, TOBACCO, subclasses 123 and 147 and their indented subclasses;

and in subclass 77 number note (2) as (3) and add:

(2) Note.—For machines for brushing tobacco leaves, see class 131, TOBACCO, subclasses 123 and 147 and their indented subclasses.

In *class 18, Plastics* (Division 15), in the first paragraph of the main class definition in the next to last line after "cigars" insert *and plug tobacco*; in subclass 9, note (2), in the reference to class 131, Tobacco, cancel "subclass 14" and substitute therefor *subclasses 27 and 58 and their indented subclasses, 84, 116, and 117*; in subclass 16, note (2), in the reference to class 131, Tobacco, cancel "subclass 14" and substitute therefor *appropriate subclasses*; in subclass 23, in note (2) cancel the reference to class 131, Tobacco; in subclass 34, add to note (2) the following:

131—TOBACCO, subclass 119;

and in subclasses 42, 43, and 47 cancel in each the reference to class 131, Tobacco.

In *class 19, Textiles, Fiber Preparation* (Division 21), subclass 1, add the following note:

Note.—For tobacco leaf disintegrating, see class 131, TOBACCO, subclasses 145 and 146;

and in subclass 98 number note (2) as (3) and add:

(2) Note.—For tobacco working machines employing carding, see class 131, TOBACCO, subclasses 109 and 130.

In *class 21, Preserving, Disinfecting, and Sterilizing* (Division 63), subclass 3, add the following note:

(3) Note.—For processes of preserving, disinfecting and sterilizing tobacco, see class 131, TOBACCO, subclasses 121 and 142.

In *class 25, Plastic Block and Earthenware Apparatus* (Division 15), subclass 45, in the reference to class 131, Tobacco, cancel "subclass 14" and substitute therefor *subclass 111 and indented subclasses.*

In *class 38, Textiles, Ironing or Smoothing* (Division 27), in the main class definition add the following note:

(12) Note.—For machines and processes for smoothing tobacco leaves, see class 131, TOBACCO, subclasses 99, 123, 124, 125, 147, and 148.

In *class 40, Card, Picture and Sign Exhibiting* (Division 35), subclass 2, number the existing note (2) and add:

(1) Note.—For checks, labels, or tags combined with tobacco products, see class 131, TOBACCO, subclass 4 and indented subclasses, particularly subclass 6.

In *class 44, Fuel and Igniting Devices* (Division 64), subclass 1, add the following note:

Note.—For tobacco products intended to be burned, see class 131, TOBACCO, subclass 1 and indented subclasses;

in subclass 14 add the following note:

(3) Note.—For tobacco products intended to be burned, see class 131, TOBACCO, subclass 1 and indented subclasses;

and in subclass 48, cancel existing note (2) and substitute therefor the following:

(2) Note.—For match-scratching surfaces combined with cigars and cigarettes, see class 131, TOBACCO, subclass 7. For match-scratching surfaces combined with tobacco users' appliances, see class 131, subclasses 185, 234, and 249.

In *class 46, Amusement Devices, Toys* (Division 57), subclass 9, number the existing note (1) and add:

(2) Note.—For tobacco smoking devices, see class 131, TOBACCO, subclass 171 and indented subclasses.

In *class 49, Glass* (Division 15), subclass 75, in note (2) cancel the reference to class 131, Tobacco.

In *class 57, Textiles, Spinning, Twisting, and Twining* (Division 21), subclass 1, in the note insert *and unwrapping* after "untwisting".

In *class 62, Refrigeration* (Division 44), subclass 104, in note (2) cancel the reference to class 131, Tobacco.

In *class 67, Illuminating Burners* (Division 30), subclasses 10, 12, and 20 in the reference in each to class 206, Special Receptacles and Packages, cancel "and 41" and substitute therefor *41.3 and 41.4.*

In *class 91, Coating* (Division 50), in the main class definition add the following note:

Note.—For cigar and cigarette making machines combined with means for applying coating material, usually adhesives, see class 131, TOBACCO, particularly subclasses 24, 29, 30, 35, 37, 61, 69, 71, 72, 76, and 88 and indented subclasses;

and in subclass 68 add the following note:

(4) Note.—For cigar and cigarette making processes combined with means for applying coating material, usually adhesives, see class 131, TOBACCO, particularly subclasses 24, 29, 30, 35, 37, 61, 69, 71, 72, 76, and 88 and indented subclasses.

In *class 99, Foods and Beverages* (Division 63), subclass 135, number the existing note (2) and add:

(1) Note.—For chewing gum containing tobacco fibers, see class 131, TOBACCO, particularly subclasses 1, 2, 4, 5, 6, 16, and 17.

In *class 101, Printing* (Division 17), subclass 35, number the existing note (1) and add:

(2) Note.—For cigar and cigarette making machines combined with means for printing on the article, see class 131, TOBACCO, subclass 24.

In *class 106, Plastic Compositions* (Division 38), in the main class definition add the following note:

(5) Note.—For tobacco compositions, see class 131, TOBACCO, subclass 17.

In *class 107, Bread, Pastry, and Confection Making* (Division 20), subclasses 15 and 19, in note (2) of each cancel the reference to class 131, Tobacco.

In *class 113, Sheet Metal Ware Making* (Division 14), subclass 109, in the reference to class 158, Liquid and Gaseous Fuel Burners, cancel "10" and substitute therefor *25.*

In *class 126, Stoves and Furnaces* (Division 19), subclass 369, number note (2) as (3) and add:

(2) Note.—For tobacco steaming apparatus, see class 131, TOBACCO, subclass 133 and indented subclasses.

In *class 134, Liquid Coating Compositions* (Division 64), in the main class definition add the following note:

(3) Note.—For compositions specifically adapted for coating tobacco, see class 131, TOBACCO, subclass 140 and indented subclasses.

In *class 146, Vegetable and Meat Cutters and Comminuters* (Division 25), in the main class definition, note (2), in the reference to class 131, Tobacco, add *145, 146.*

In *class 164, Cutting and Punching Sheets and Bars* (Division 57), subclass 19, in the reference to class 131, Tobacco, cancel "subclass 49" and substitute therefor *subclasses 33 and 97 and their indented subclasses*; and in subclasses 23 and 25, in note (2) of each, cancel the reference to class 131, Tobacco.

In *class 167, Medicines, Poisons, and Cosmetics* (Division 43), subclass 50, in note (1) change the third sentence thereof to read:

Medicated tobacco designed for smoking is in class 131, TOBACCO, subclass 1 and indented subclasses, particularly subclasses 10 and 17;

and in the fourth sentence in the reference to class 131, Tobacco, cancel "67" and substitute 2; and in subclass 54 cancel note (3) and substitute:

(3) Note.—See class 131, TOBACCO, subclass 17, for tobacco smoking compositions containing medicaments, and subclass 140 and indented subclasses, for processes and compositions employed to treat smoking tobacco.

In *class 206, Special Receptacles and Packages* (Division 40), subclass 0.5, cancel the reference to class 131, Tobacco; in subclass 41 cancel the existing notes and substitute:

(1) Note.—For tobacco packages not intended for pocket use, see this class, subclass 48.5.

(2) Note.—For tobacco packages of larger than pocket size, see this class, subclass 48.5.

(3) Note.—For humidors in connection with pocket tobacco receptacles, see class 312, SUPPORTS, CABINET STRUCTURES, subclass 31 and indented subclasses;

(4) Note.—For tobacco packages claimed in combination with significant tobacco product structure, see class 131, TOBACCO, subclass 4 and indented subclasses;

in subclass 41.4 add the following note:

(3) Note.—**Search also this class,** subclass 41.3;

and in subclass 56 add the following note:

Note.—For tobacco dispensing packages, see this class, subclass 41.1 and indented subclasses, where designed for pocket or personal use, and subclass 48.5, where not designed for pocket and personal use.

In *class 209, Classifying, Separating and Assorting Solids* (Division 25), in the main class definition in the second sentence of note (1) cancel "tobacco", and add to the definition the following note:

(9) Note.—For separating in connection with tobacco feeding and disintegrating, see class 131, TOBACCO, subclasses 110 and 146;

and in subclass 133, number the existing note (1) and add:

(2) Note.—For gaseous separation employed in connection with tobacco feeding or leaf disintegrating, see class 131, TOBACCO, subclasses 110 and 146.

In *class 214, Material or Article Handling* (Division 4), subclass 8.5, number the existing note (2) and add:

(1) Note.—For tobacco leaf booking or feeding, see class 131, TOBACCO, particularly subclasses 99, 105, 124, 125, and 148.

In *class 216, Label Pasting and Paper Hanging* (Division 53), in the main class definition cancel the ninth paragraph; in subclass 39 number the existing note (2) and add:

(1) Note.—For apron type cigar and cigarette making machines, see class 131, TOBACCO, subclass 47 and indented subclasses;

in subclass 40 number note (2) as (3) and add:

(2) Note.—For cigar and cigarette making machines wherein the cigar is rolled between cooperating surfaces, see class 131, TOBACCO, subclass 27 and indented subclasses;

in subclass 43, note (2), in the reference to class 131, Tobacco, cancel "subclasses indented under 5" and substitute *subclasses 35, 37, 69, and 90*; and in subclasses 51, 52, and 53 cancel in each the reference to class 131, Tobacco.

In *class 226, Filling and Closing Portable Receptacles* (Division 35), subclass 2, number the existing note (1) and add:

(2) Note.—For packaging cigars and cigarettes combined with cigar and cigarette making, see class 131, TOBACCO, subclass 25, and for packaging plug tobacco shapes in combination with plug making, see class 131, subclass 112 and indented subclasses;

and in subclass 5 add the following notes:

(1) Note.—For cigarette packaging combined with cigarette making, see class 131, TOBACCO, subclass 25.

(2) Note.—For cigarette bundling, see class 131, TOBACCO, subclass 107.

In *class 229, Paper Receptacles* (Division 40), subclass 87, number the existing note (2) and add:

(1) Note.—For wrappers combined with significant tobacco products, see class 131, TOBACCO, subclass 4 and indented subclasses.,

In *class 236, Automatic Temperature and Humidity Regulation* (Division 30), in the main class definition add the following note:

(13) Note.—For processes and apparatus for treating tobacco with fluids combined with means for automatically regulating the temperature and/or humidity of the fluids, see class 131, TOBACCO, subclass 135.

In *class 249, Automatic Weighers* (Division 36), subclass 4, add the following note:

Note.—For automatic weighers for controlling the feed of tobacco to cigar and cigarette making machines, see class 131, TOBACCO, subclass 22.

In *class 250, Radiant Energy* (Division 54), subclass 43, number note (3) as (4) and add:

(3) Note.—For processes for treating tobacco with radiant energy, see class 313, TOBACCO, subclass 121.

In *class 260, Chemistry, Carbon Compounds* (Division 59), subclass 236, note (4), cancel "appropriate subclasses" and substitute *particularly subclass 143.*

In *class 279, Chucks or Sockets* (Division 52), subclass 3, in note (1) in the reference to class 131, Tobacco, cancel "subclass 39" and substitute *subclasses 100, 101, 102, and 105.*

In *class 299, Fluid Sprinkling, Spraying, and Diffusing* (Division 46), subclass 24, in note (2) cancel the reference to class 131, Tobacco.

In *class 312, Supports, Cabinet Structures* (Division 8), subclass 31, note (3), in the reference to class 131, Tobacco, cancel "subclasses 30 and 55" and substitute *subclass 133 and indented subclasses*; and in subclass 46 number the existing note (1) and add:

(2) Note.—For pocket and personal use cigarette and cigar receptacles combined with ejectors, see class 206, SPECIAL RECEPTACLES AND PACKAGES, subclasses 41.2 and 41.3;

In *class 131, Tobacco* (Division 2), abolish subclasses 5–7, 9, 11, 14–16, 18, 30, 31, 36, 39–49, 52, 55–58, 60, 61, and 67, and establish in lieu thereof the following subclasses:

1 **Products**
2 Tobacco substitutes,
3 Pipe cartridges,
4 Combined
5 Plug tobacco
6 With identifying markings, labels, or tags,
7 With ignition facilitating means,
8 Cigars and cigarettes
9 With smoke treating means
10 Traps, filters and/or absorbents,
11 End structure
12 Coated or impregnated,
13 Filler penetrating,
14 Blanks and fillers,
15 Wrappers or binders,
16 Shapes,
17 Tobacco compositions.
20 **Cigar and cigarette making**
21 With automatic control
22 Weight,
23 Combined
24 With printing or coating,
25 With collecting, arranging, packing, or packaging,
26 Sectional, alternate release and engage type,
27 Cooperating rolling surfaces
28 Combined
29 With tip or mouthpiece applier or former
30 With stationary smoother,
31 With tobacco treatment,
32 With subsequent wrapping or forming operations,
33 With wrapper cutter
34 Continuous wrapper,
35 With adhesive supply or applier,
36 With pre-cut wrapper feed and/or holder or smoother,
37 With adhesive supply or applier,
38 With filler tobacco or bunch feeder
39 With plural feed,
40 With bunch separator
41 With bunch pre-compressor
42 Ribbon feed,
43 Table mold,
44 With hopper discharger,
45 With bunch pre-compressor,
46 With end trimmer or completed article cutter,
47 Apron type
48 With moving table
49 Rotating or oscillating table,
50 With stationary table
51 With movable roll type member
52 Swinging roll support
53 Vertical axis,
54 Aprons,
55 Belt type,
56 Roller type,
57 Rollers,
58 Wrapping devices
59 Spirally wound continuous wrapper,
60 Longitudinally fed continuous wrapper
61 With tip or mouthpiece applier or former,
62 With tobacco treatment
63 With completed article cutter
64 With tobacco rod pre-shaper,
65 With completed article cutter,
66 With tobacco rod pre-shaper,
67 With wrapper sealing
68 With heating means,
69 With adhesive supply or applier,
70 Tube filling type
71 With tip or mouthpiece applier or former
72 Plug inserting,
73 With tube making,
74 With hopper feed of tubes,
75 Mold with encircling wrapper tube,
76 With tip or mouthpiece applier or former,
77 Molding or forming
78 Combined
79 With tobacco treatment,
80 With plural molding or forming,
81 With tobacco or bunch feed,
82 With bunch remover and/or transfer,
83 With trimmer and/or end perforator or slitter,
84 Continuous rod or ribbon formers,
85 Molds
86 Plural
87 Rotary or endless carrier,
88 Tip or mouthpiece applying or forming
89 End tucker, folder, crimper, smoother
90 With adhesive supply or applier,
91 With cutter or trimmer,
92 With heater and/or end punch,
93 Rotating type,
94 Plug attaching or inserting,
95 Sheet material tip,
96 Recovery of tobacco from cigarettes and cigars,
97 Wrapper cutters
98 Die
99 With leaf feeding or booking,
100 With suction die or holder
101 With presser roll
102 On pivoted sweep arm,
103 With presser roll
104 On pivoted sweep arm,

Cigars and cigarette making—Continued
105 Wrapper holders and carriers,
106 Cigar tagging or labeling,
107 Bundling,
108 Tobacco feeding
109 With brushing, carding, or picking rolls,
110 With separator or suction device.
111 **Plug or compressed shape making**
112 Packing or bundling
113 Tagging or labeling
114 With tag or label making,
115 Turret type,
116 Continuous sheet type
117 With cutting,
118 With cutting,
119 Molds.
120 **Tobacco treatment**
121 With electrical or radiant energy,
122 Stemming
123 With leaf smoothing or cleaning
124 With booking
125 Rotary or endless cutter,
126 With supplemental butt or stem cleaning,
127 By fluid blast or current,
128 Tearing type
129 With transverse stem cutting,
130 Card clothing type,

Tobacco treatment
Stemming—Continued
131 Cutting type
132 Stem die type,
133 With fluids or fluent material
134 With fluid circulating means
135 With automatic temperature and/or humidity control,
136 With tobacco conveying means,
137 Rotary drum type,
138 With tobacco conveying means
139 And expressing rolls,
140 Processes
141 With ferment-containing fluids,
142 With bleaching or sterilizing material,
143 With extraction or absorption,
144 With fluent flavoring material,
145 Leaf disintegrating
146 With separating,
147 Smoothing, brushing, rolling, stem crushing, or flattening
148 Booking type,
149 Leaf associating or disassociating.

The definitions for the above subclasses and for subclasses 170–260 in class 131, Tobacco, are also hereby established and will be published in Bulletin No. 77.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING OCTOBER, 1939

PHOENIX HOSIERY COMPANY *v.* COOPER, WELLS & COMPANY, Opposition No. 17,731.

In a decision rendered October 2, 1939 (163 Ms. Dec. 384, 43 U. S. P. Q. 124), *Assistant Commissioner Frazer* reversed the decision of the Examiner of Interferences and sustained the opposition of Phoenix Hosiery Company, of Milwaukee, Wis., to the application of Cooper, Wells & Company, of St. Joseph, Mich. for registration of the notation "Vitro-Finish", with a disclaimer of the word "Finish", as a trade-mark for hosiery.

After observing that the opposition was predicated upon opposer's ownership of the trade-mark "Vita-Bloom", registered for the same goods prior to applicant's claimed date of first use, and that the only question to be determined was whether or not the two marks are so nearly similar as to be likely to be confused when affixed to such goods, the Assistant Commissioner said:

"As applied to fabrics the words 'bloom' and 'finish' have substantially the same meaning. In Funk & Wagnalls New Standard Dictionary, for example, 'bloom' is defined as 'luster given to fine cloths by pressing', and 'finish' is defined as 'the process or effect of perfecting or beautifying anything; as, * * * cloth of a fine finish'.

"The words 'vita' and 'vitro' differ widely in meaning, but neither is in common use, and as applied to hosiery both appear to be purely fanciful. In appearance and in sound they are manifestly similar. In these latter respects the marks as a whole are of course less so, but such significance as they would be likely to convey to purchasers is so nearly identical that confusion seems at least reasonably possible."

AMERICAN ENKA CORPORATION *v.* VELVERAY CORPORATION OF AMERICA, Opposition No. 17,611.

In a decision rendered October 9, 1939 (163 Ms. Dec. 385, 43 U. S. P. Q. 154), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of American Enka Corporation, of Enka, N. C., to the application of Velveray Corporation of America, of New York, N. Y., for the registration of the notation "Peritone", printed in plain block type, as a trade-mark for use with "decorated, printed and ornamented knitted and woven textile fabrics, which fabrics may be crepe goods, flat goods or pile goods and may consist of cotton, silk, linen, wool or mixtures thereof".

Noting that applicant claimed use of its mark since April 1935, and that opposer relied upon its ownership of a registration, issued February 9, 1932, for "rayon yarn", of the mark "Periglo", printed in script, with a heavy paraph extending thereunder which bears the name "Enka" in reverse printing, the Assistant Commissioner pointed out that the Examiner of Interferences held that the goods of the parties are not of the same descriptive properties, and that even if they were "the cumulative effect of the differences in the specific characteristics of such goods and in these marks is sufficient to obviate any reasonable likelihood of confusion in trade", and said:

"No testimony was taken by either party, and in the absence of proof to the contrary I find myself in complete agreement with the conclusions reached by the Examiner of Interferences. His decision is accordingly affirmed."

THE BLACK FLAG COMPANY *v.* FORD HOPKINS COMPANY, Opposition No. 16,994.

In a decision rendered October 9, 1939 (163 Ms. Dec. 386, 43 U. S. P. Q. 154), *Assistant Commissioner Frazer* held that Ford Hopkins Company, of Chicago, Ill., is not entitled to register the notation "Black Witch" displayed in association with the silhouette of a witch mounted on a broomstick, as a trade-mark for insecticides, in view of the opposition of The Black Flag Company, of Baltimore, Md., owner of a number of registrations of the words "Black Flag" and the picture of a black flag, appropriated to the same goods and used thereon long prior to the applicant's claimed date of first use.

He quoted with approval from the decision of the Examiner of Interferences, as follows:

"Considering the fact that both marks are used in connection with insecticides and also the fact that such goods are relatively inexpensive and therefore likely to be purchased with less care and attention than products of greater value, the Examiner is persuaded that there is reasonable doubt upon the question of likelihood of confusion in trade."

He then added:

"The question is a close one, but, as pointed out by the Examiner, doubts must be resolved in favor of the prior user."

MARTELL & CO. *v.* SOCIETE ANONYME DE LA BENEDICTINE, DISTILLERIE DE LA LIQUEUR DE L'ANCIENNE ABBAYE DE FECAMP, Opposition No. 17,258.

In a decision rendered October 9, 1939 (163 Ms. Dec. 387, 43 U. S. P. Q. 153), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of Martell & Co., of Cognac, France, for the registration of the notation "B and B", prominently displayed in association with the letters "D O M", as a trade-mark for "liqueurs, cognac"; but he reversed the Examiner's adjudication that the applicant is entitled to the registration of its mark.

With regard to the facts, the Assistant Commissioner said:

"The case was submitted upon a stipulation of facts, from which it fairly appears that applicant is the sole producer of a liqueur sold under the trade-mark 'Benedictine'; that opposer manufactures and sells a cognac brandy; and that the expression 'B and B' is the name of a mixed drink containing benedictine and cognac brandy in equal proportions, having been so used and understood in the United States for approximately thirty years. It also appears that opposer's brandy has frequently been used as an ingredient in mixing this drink, though any brandy will answer the purpose."

Observing that applicant's product to which the mark here in issue is applied, is nothing more nor less than bottled "B and B", or benedictine and brandy in equal parts; and opposer's theory is that because registration will confer upon applicant the prima facie right to exclusive use of the notation "B and B" in connection with such goods, opposer will be damaged through loss of sales to purchasers who normally would specify its brandy in ordering their "B and B" libations, he said:

"It seems clear, however, that those who now purchase 'B and B' by the drink know that they are buying a mixture of brandy and benedictine, and that to get opposer's particular make of brandy they must ask for it by name. It is possible that with applicant's bottled product on the market it would be used in filling orders by the drink for 'B and B'; but purchasers could still specify Martell brandy with their benedictine, just as they must do now if that is the brand they prefer. Opposer may lose some sales in establishments where its product is habitually used, but such damage as may thus result is too highly speculative to merit consideration in a proceeding of this character. Furthermore, there would appear to be nothing to prevent the sale by applicant of 'B and B' in bottles; and it is the sale of such a product, rather than the registration of applicant's mark, that would be prejudicial to opposer's business."

As to the applicant's ex parte right to the registration of its mark, the Assistant Commissioner said:

"The notation 'B and B' is admittedly the name of applicant's goods, and hence is necessarily descriptive thereof within the meaning of section 5 of the Trade-Mark Act of February 20, 1905. The fact that the mark contains additional matter of an arbitrary nature does not remedy the situation. *In re American Cyanamid & Chemical Corporation* (C. C. P. A.), 99 Fed.(2d) 964. In the absence of an appropriate disclaimer the registration applied for is refused."

FOREST CITY MFG. CO. *v.* THE FOREST GARMENT COMPANY, Opposition No. 16,388.

In a decision rendered October 17, 1939 (163 Ms. Dec. 389, 43 U. S. P. Q. 155), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences in so far as it sustained the opposition of Forest City Mfg. Company, of St. Louis, Mo., to the application of The Forest Garment Company, of Cleveland, Ohio, for registration of the notation "Peggy Jean", as a trade-mark for "women's, misses' and children's coats, suits, dresses, blouses, smocks, culottes"; but he otherwise reversed the Examiner's decision.

After noting that the chief use of applicant's mark had been upon cotton wash dresses and that the opposition was based upon opposer's prior use of the name "Peggy Palmer" as a trade-mark for identical merchandise, in answer to the contention of counsel for applicant that the record affirmatively establishes the absence of reasonable likelihood of confusion, the Assistant Commissioner said:

"As has frequently been observed by the courts the probability that confusion will or will not result from the use of two marks on similar goods is largely a matter of opinion. *Younghusband* v. *The Kurlash Co.*, 25 C. C. P. A. 886, 94 Fed.(2d) 230. It is also well settled in trade-mark law that all doubts in that regard must be resolved in favor of the first user. *Sutter Packing Co.* v. *Piggly Wiggly Corporation*, 20 C. C. P. A. 1069, 64 Fed.(2d) 1006."

He then said:

"I have examined the record with painstaking care, and have studied the several arguments advanced in applicant's brief, but I am not convinced beyond doubt that the concurrent use of the two marks before me on identical merchandise of the character here involved would be unlikely to confuse purchasers."

Observing that counsel for applicant points to the fact that the mark relied on by opposer is not a "technical" trade-mark, being a proper name and having been registered under the provisions of the act of March 19, 1920, and urges that opposer's mark is entitled only to limited protection, he said:

"Clearly, however, the mark denotes origin and opposer's use precludes the registration of a confusingly similar mark of more recent adoption. *Trustees for Arch Preserver Shoe Patents* v. *James McCreery & Co.*, 18 C. C. P. A. 1507, 49 Fed.(2d) 1068. Moreover, regardless of the scope of opposer's rights, the public must be protected against possible deception."

Then, with regard to a certain early trade-mark registration for which applicant alleged ownership by assignment, he said:

"Assuming, arguendo, that use of that mark would support registration of applicant's present mark, it need only be noted that the assignment under which applicant claims is dated September 4, 1937, at which time applicant's assignor had been out of business for nearly ten years. As a trade-mark may be transferred only in connection with the transfer of an existing business, it follows that applicant took nothing by the assignment upon which it relies. *Kelly Liquor Co.* v. *National Brokerage Co.* (C. C. P. A.), 102 Fed.(2d) 857."

In expressing the opinion that the Examiner erred in his ex parte refusal to register applicant's mark by holding "Jean" to be a surname in view of the Los Angeles and Boston city directories for 1934, he said:

"In the notation 'Peggy Jean' the word 'Jean' does not have the significance of a surname, and its obscurity as such is indicated by the comparative antiquity of the Examiner's references."

GLENMORE DISTILLERIES COMPANY *v.* PENN-MARYLAND CORPORATION (NATIONAL DISTILLERS PRODUCTS CORPORATION, ASSIGNEE, SUBSTITUTED), Opposition No. 14,852.

In a decision rendered October 18, 1939 (163 Ms. Dec. 391, 43 U. S. P. Q. 156), *Assistant Commissioner Frazer* denied the petition of National Distilleries Company, of Louisville, Ky., that the above entitled opposition proceeding be reopened, and that the opposition be dismissed, and that its trade-mark be registered in accordance with the opposed application.

After noting that the opposition was sustained by the Examiner of Trade-Mark Interferences in a decision rendered August 10, 1936, that no appeal was taken and that the Examiner's decision has long since become final, the Assistant Commissioner observed that the most persuasive of the various circumstances recited by counsel for petitioner in explanation of their belated activity is that in an infringement suit between the parties hereto it was recently held by the Circuit Court of Appeals for the Fourth Circuit that the trade-marks involved in this proceeding are not so nearly similar "as to be likely to confuse a purchaser of the goods exercising ordinary caution in his dealings". *Glenmore Distilleries Co.* v. *National Distillers Products Corporation*, 101 Fed.(2d) 479. He then said:

"That suit was filed, however, after the Examiner's ruling to the contrary had become a final adjudication, and I do not think the court's subsequent disagreement with the Examiner is of sufficient moment to warrant the extraordinary relief that petitioner seeks."

He then referred to his decision in *Buckeye Brewing Co.* v. *Burger Bros. Co.*, 480 O. G. 699, 34 U. S. P. Q. 39, where he had occasion to consider the same question and stated:

"In denying the petition to reopen I said:

'The case referred to in the petition was a trade-mark infringement suit, in which the court made certain observations in its opinion that do not coincide with the conclusions reached by the Commissioner in the opposition proceeding. Petitioner's right to the registration of the trade-mark involved was not in issue and was not discussed. The most that can be said is that the court disagreed with the Patent Office as to whether or not the goods in which the parties respectively deal are of the same descriptive properties.

'Manifestly the Patent Office cannot undertake to revise its rulings from time to time to conform with all court decisions as they are handed down. If petitioner was dissatisfied with the decision of the Commissioner it had its statutory remedy, of which it neglected to avail itself. Having permitted the decision to become final, petitioner is bound thereby'."

COMBUSTION ENGINEERING COMPANY, INC. (DOING BUSINESS AS RAYMOND PULVERIZER DIVISION, COMBUSTION ENGINEERING COMPANY, INC.), Serial No. 400,904.

In a decision rendered October 19, 1939 (163 Ms. Dec. 393, 43 U. S. P. Q. 191), *Assistant Commissioner Frazer* affirmed the refusal of the Examiner of Trade-Marks to register the notation "Bowl Mill", under the provisions of the act of March 19, 1920, as a trade-mark for a "pulverizing apparatus"; the ground of such refusal being "that the notation imports no trade-mark significance", because it is merely the name of the goods to which it is applied.

In answer to the contention that descriptiveness is no bar to registration of a trade-mark under the act of 1920, he said:

"So far as I am aware that has always been the position taken by the Patent Office, but it does not necessarily follow that all descriptive expressions are registrable."

The Assistant Commissioner then observed that while tacitly admitting that applicant's alleged trade-mark is the name of its pulverizing apparatus, counsel point out that applicant originated the name and that no other manufacturer of similar merchandise has "found it necessary or desirable to use the expression 'bowl mill' to identify these particular goods", and said:

"The mere fact, however, that applicant may have been the first and only one to use the expression does not alter its meaning as applied to such goods, and does not, in my opinion, endow it with trade-mark significance."

EX PARTE HAIR NET PACKERS, INC., Serial No. 395,292.

In a decision rendered October 19, 1939 (163 Ms. Dec. 394, 43 U. S. P. Q. 191), *Assistant Commissioner Frazer* affirmed the refusal of the Examiner of Trade-Marks to register the word "Professional", under the provisions of the act of February 20, 1905, as a trade-mark for "hair curlers, hair winders, hair clamps, hair pressers, hairpins and hair rollers".

Noting that it was the Examiner's position that the mark does not function as a trade-mark, but merely indicates that the goods to which it is applied "are specially adapted for use by the highly trained technicians who minister to the beauty of the feminine public", and that on the specimens filed with the application "showing the trade-mark as actually used by applicant upon the goods" there appears the notation: "Used by leading hairdressers", he said:

"Whether or not the mark is entirely devoid of trade-mark significance need not be determined here, because if it is descriptive of the goods the fact that it may also denote origin does not cure its nonregistrability under the act of 1905.

"It is my opinion that the mark is descriptive, and for that reason the Examiner's refusal to register is affirmed."

EX PARTE THE AMERICAN PAD & TEXTILE COMPANY, Serial No. 377,627.

In a decision rendered October 26, 1939 (163 Ms. Dec. 395, 43 U. S. P. Q. 225), *Assistant Commissioner Frazer* held that The American Pad & Textile Company, of Greenfield, Ohio, is not entitled to register, as a trade-mark for horse collar pads, the mark which is described in the application as consisting in "a red hook or hooks as attached to and forming part of the pad".

Noting that the Examiner cited the case *In re W. T. Grant Co.*, 58 App. D. C. 289, 29 Fed.(2d) 877, where registration was refused of a trade-mark for hand drills, the mark consisting in "coloring the outer and inner faces of the grinding wheel yellow", and that applicant sought to distinguish that case from this on the theory that there "the coloring was over such a substantial part of the goods as to lose its arbitrary character and fall under the prohibition of the so-called 'mass color' cases", whereas applicant's hooks form only "a very minor portion of the object to which they are attached", the Assistant Commissioner said:

"I doubt, however, that the court would be inclined to regard relative size as of controlling importance.

* * * * * * *

"Certainly in the instant case the mark proposed to be registered is 'the use of color not connected with some symbol or design', being defined merely by the configuration of an integral part of the goods upon which it is used. It seems clear to me that all manufacturers of collar pads should have the right to paint their pad hooks in any color they may choose, and that no dealer is entitled to appropriate any particular color for that purpose under the guise of a trade-mark."

CARL S. BRESNICK *v.* KINFOLKS INCORPORATED, Opposition No. 17,653.

In a decision rendered October 27, 1939 (163 Ms. Dec. 396, 43 U. S. P. Q. 226), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of Carl S. Bresnick, of Manhattan, N. Y., to a trade-mark registration applied for by Kinfolks Incorporated, of Little Valley, N. Y., but he reversed the Examiner's adjudication that applicant is entitled to the registration applied for.

Observing that the opposer relied on two registrations issued to him prior to applicant's claimed date of first use of the mark sought to be registered, but that it affirmatively appeared from opposer's own testimony that he had not used the registered mark since 1930, and that he testified that during that year a corporation known as Bresduck, Inc., was organized to take over the business

he had formerly conducted "and to exploit the trade-marks that I owned", the Assistant Commissioner said:

"Manifestly one who has abandoned the use of his trade-mark can suffer no damage, within the meaning of the statute, by the registration to another of a similar mark. *Skene* v. *Marinello Co.*, 50 App. D. C. 265, 270 Fed. 701. And use by the corporation is of no avail to Mr. Bresnick, even though, as he states in his testimony, he owns half the capital stock of Bresduck, Inc. The corporation is a legal entity, separate and apart from its stockholders, and they have no such interest in its trade-mark rights as entities them, or either of them, individually to maintain a proceeding of this character. The opposition should have been dismissed for lack of a qualified opposer."

Regarding applicant's ex parte right to register the notation "Two Bucks", in association with the representation of two heads said to be those of buck deer, as a trade-mark for razors, the Assistant Commissioner pointed out that without objection opposer proved that Bresduck, Inc., for some seven years preceding applicant's adoption of this mark, had used the words "Dubl Duck", with a picture of two ducks, upon goods identical with those of applicant, and said:

"It appears from the record that such goods are sold chiefly to barbers, a great many of whom are of foreign extraction and whose knowledge of English is often imperfect. Obviously the words 'duck' and 'bucks' sound very much alike, and the words 'double' and 'two', as employed in the marks, have substantially the same meaning. Unless clearly enunciated and properly understood, it seems to me that when spoken the word portions of the marks may thus be confused by many purchasers. The marks as a whole differ considerably in appearance, but that is not the only test. Sound and significance must likewise be considered, as must also the class of purchasers to whom the goods are sold.

"While an opposer is not permitted to assert similarity between an applicant's mark and the mark of a third party as a ground of opposition, nevertheless when such matters are pleaded and proved without objection I do not think they may properly be ignored in determining, ex parte, the question of registrability."

EX PARTE WILL ROSS, INC., Serial No. 409,624.

In a decision rendered October 31, 1939 (163 Ms. Dec. 398, 43 U. S. P. Q. 227), *Assistant Commissioner Frazer* held that Will Ross, Inc., of Milwaukee, Wis., is not entitled to register, under the provisions of the act of February 20, 1905, the notation "Kenwood Stitched" as a trade-mark for surgical dressing rolls.

He noted that the ground of refusal, as stated by the Examiner, is "that the mark consists of a surname not distinctively displayed and a descriptive word", that the mark in issue is printed in two lines, the name "Kenwood" in bold capital letters, and the word "Stitched" in broken line script with the upper loop of the "S" and the top part of the "d" extending above the name, and then with reference to applicant's argument that this arrangement constitutes distinctive display within the meaning of the statute, he said:

"The name 'Kenwood', however, is not 'written, printed, impressed, or woven in some particular or distinctive manner'; and the word 'stitched' remains descriptive and would have to be disclaimed before the mark could be registered, even were the name sufficiently distinctive in appearance."

THE B. MANISCHEWITZ COMPANY *v.* ROY RHEA, Cancellation No. 3343.

In a decision rendered October 31, 1939 (163 Ms. Dec. 399, 43 U. S. P. Q. 228), *Assistant Commissioner Frazer* held that trade-mark registration, No. 354,898, issued March 1, 1938, to Roy Rhea, of Pittsburgh, Pa., of the notation "Manna-Miracle", displayed in two lines, with a single capital "M" serving as the initial letter of both words, for goods described as "a special health compound in the form of bread", should be cancelled in view of The B. Manischewitz Company's petition to cancel, predicated upon petitioner's ownership of the trade-mark "Manna" for crackers and cracker meal, registered some ten years before respondent's first use of his "Manna-Miracle" mark.

Referring to respondent's argument that the goods of the parties are not of the same descriptive properties since there are "very substantial differences in the form, price, packaging, advertising, class of customers, place of sale and actual use of respondent's product (health bread in loaf form), as compared to petitioner's product (crackers and cracker meal for Jewish customers)", the Assistant Commissioner said:

"While these are points to be considered in determining the question of likelihood of confusion, and would be entitled to great weight if the marks were less nearly similar, I am clearly of the opinion that respondent's bread and petitioner's crackers, while specifically different, are merchandise of the same descriptive properties within the meaning of the Trade-Mark Act."

As to the similarity of the trade-marks, he said:

"I have carefully considered respondent's argument to the contrary, but I am convinced that the trade-marks "Manna" and "Manna-Miracle" are too nearly alike to be concurrently used on goods of the character here involved without at least a reasonable likelihood of confusion. Respondent points out that no actual confusion has been shown, but it is well established by the authorities that a petitioner for cancellation of a trade-mark registration need not prove actual confusion if, as here, the likelihood of confusion is otherwise apparent."

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 28, 1939

[VOL. 508. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 396,946. ABE APRIL FUR DYEING CORPORATION, New York, N. Y. Filed Aug. 31, 1937.

KOL-A-TAR
SABLE

The word "Sable" is disclaimed apart from the mark.
For Dyed Fur Skins.
Claims use since June 15, 1937.

Ser. No. 406,325. BROWN & SANDELMAN CO., New York, N. Y. Filed May 14, 1938.



Applicant disclaims the words "Best Black" and "Seal Dyed Coney" apart from the mark.
For Dyed Fur Pelts, Particularly Seal Dyed Coney.
Claims use since Jan. 24, 1939.

Ser. No. 406,326. BROWN & SANDELMAN CO., New York, N. Y. Filed May 14, 1938.



Applicant disclaims the words "Super Quality" and "Seal Dyed Coney" apart from the mark.
For Dyed Fur Pelts, Particularly Seal Dyed Coney.
Claims use since Jan. 24, 1939.

Ser. No. 410,257. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 3, 1938.

MILON

Milon is the name of a celebrated athlete in Greek mythology.
For Camelback, a Strip of Unvulcanized Rubber Compound for Retreading Pneumatic Automobile Tires.
Claims use since Aug. 22, 1938.

Ser. No. 422,838. UNION NURSERIES & COMPANY, LTD., Los Angeles, Calif. Filed Aug. 21, 1939.

UNION

For Flowers and Plants.
Claims use since Nov. 1, 1937.

Ser. No. 423,460. FUNK BROS. SEED CO., INCORPORATED, Bloomington, Ill. Filed Sept. 9, 1939.

FUNK'S HYBRID

No claim is made to the word "Hybrid" and the representation of an ear of corn apart from the mark.
For Seed Corn.
Claims use since July 14, 1939.

Ser. No. 423,898. MARTIN SEVERSON, Galesville, Wis. Filed Sept. 23, 1939.

HIGH QUALITY BLUE TOP

The words "High Quality" are disclaimed apart from the mark. The drawing is lined for blue.
For Seed Corn and Other Field Seeds.
Claims use since Dec. 14, 1937.

CLASS 2

Receptacles

Ser. No. 421,337. BEST & CO. INC., New York, N. Y. Filed July 7, 1939.

LILIPUTIAN PRINT

The word "Print" is disclaimed apart from the mark.
For Diaper Bags Made of Knitted, Netted, Textile, or Rubberized Fabrics, as well as Woven Fabrics, and Printed Material.
Claims use since June 24, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 423,944. GIMBEL BROTHERS, INC., New York, N. Y. Filed Sept. 26, 1939.

Fashonia

For Trunks, Valises, Portfolios, and Pocketbooks.
Claims use since Jan. 1, 1926.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 396,535. H-C PRODUCTS COMPANY, Detroit, Mich. Filed Aug. 18, 1937.

H-C

For Deodorizing Cleaner for Floors, Walls, Woodwork, Fixtures, Bathrooms, Kitchens, Laundry Tubs, Garbage Cans, Boat Bilges, and a Sterilizing Cleaner for Glasses, China, and Silverware.
Claims use since July, 1936.

Ser. No. 423,489. D. BLUM & CO., INC., New York, N. Y. Filed Sept. 11, 1939.

STAINEZE

For Solvent for Cleaning and Removing Stains from Textile Fabrics.
Claims use since September, 1934.

Ser. No. 423,690. LINCO PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 15, 1939.

JUNO SUDS

For Cleanser for General Household Uses, Having Cleaning and Detergent Properties, and Having Incidental Water Softening Properties.
Claims use since Aug. 28, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 417,340. EDWIN V. LIVESEY, Fall River, Mass. Filed Mar. 21, 1939.

DE LUXE QUALITY Fairchild

No claim is made to the notation "De Luxe Quality" apart from the mark.
For General Line of Facial Creams and Cosmetics, Particularly Finishing Creams, Cleansing Cream, Cold Cream, and Massage Cream.
Claims use since January, 1937.

Ser. No. 419,190. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif. Filed May 8, 1939.

CALCIE

For Organic Calcium and Vitamin Concentrate for Oral Administration.
Claims use since Jan. 2, 1939.

Ser. No. 421,075. GENERAL DRUG COMPANY, New York, N. Y. Filed June 29, 1939.

Agfarnol

For Odoriferous and Aromatic Chemicals Useful in the Production of Perfumes and Flavoring Extracts.
Claims use since Aug. 15, 1933.

Ser. No. 421,076. GENERAL DRUG COMPANY, New York, N. Y. Filed June 29, 1939.

Buttarom

For Odoriferous and Aromatic Chemicals Useful in the Production of Perfumes and Flavoring Extracts.
Claims use since July 9, 1935.

Ser. No. 421,077. GENERAL DRUG COMPANY, New York, N. Y. Filed June 29, 1939.

Carnetton

For Odoriferous and Aromatic Chemicals Useful in the Production of Perfumes and Flavoring Extracts.
Claims use since Sept. 5, 1934.

Ser. No. 421,078. GENERAL DRUG COMPANY, New York, N. Y. Filed June 29, 1939.

Citronal

For Odoriferous and Aromatic Chemicals Useful in the Production of Perfumes and Flavoring Extracts.
Claims use since Oct. 3, 1933.

Ser. No. 421,079. GENERAL DRUG COMPANY, New York, N. Y. Filed June 29, 1939.

Neovertin

For Odoriferous and Aromatic Chemicals Useful in the Production of Perfumes and Flavoring Extracts.
Claims use since Oct. 17, 1933.

Ser. No. 421,080. GENERAL DRUG COMPANY, New York, N. Y. Filed June 29, 1939.

Turkol

For Odoriferous and Aromatic Chemicals Useful in the Production of Perfumes and Flavoring Extracts.
Claims use since Nov. 16, 1937.

Ser. No. 421,081. GENERAL DRUG COMPANY, New York, N. Y. Filed June 29, 1939.

Vionaron

For Odoriferous and Aromatic Chemicals Useful in the Production of Perfumes and Flavoring Extracts.
Claims use since Nov. 26, 1937.

Ser. No. 422,408. JACINTO MARTINEZ PANDO, Mexico, D. F., Mexico. Filed Aug. 8, 1939.

CANOE

For Perfumes, Face Powders, Creams for the Skin, Lotions for the Skin and Hair, Extracts from Perfumes (Concentrated Perfumes), Coloring Matters Used to Tint the Face, and Dentifrices.
Claims use since January, 1937.

Ser. No. 422,721. TRIPLE E PRODUCTS, INC., New York, N. Y. Filed Aug. 17, 1939.

THRIFT O LENE

For Products for Improving the Combustion of Fuels and the Elimination or the Reduction of Waste Products, Soot, Smoke, and Obnoxious Odors.
Claims use since July 29, 1939.

Ser. No. 422,764. ROBERT C. WHITE, Falls of Schuylkill, Philadelphia, Pa. Filed Aug. 17, 1939.

An-hydro-cal

For Sugar-Coated White Compressed Medicinal Tablets Used as an Alterative, Reconstructive, and Anti-Asthmatic.
Claims use since Feb. 15, 1918.

Ser. No. 422,813. CHARLES A. EMERSON, Dallas, Tex. Filed Aug. 21, 1939.

TUR-BI-K AL DROPS

The word "Drops" is disclaimed.
For Nose Drops.
Claims use since Aug. 1, 1937.

Ser. No. 422,974. HOOKER ELECTROCHEMICAL COMPANY, Niagara Falls, N. Y. Filed Aug. 24, 1939.

HOOKER ELECTROCHEMICAL CO. GROSS NET

The drawing is lined for the color orange. The words "Gross", "Net", and "Niagara Falls, N. Y." are disclaimed as part of the mark.
For Alphachlor Naphthaline, Aluminum Chloride, Ammonium Benzoate, Arsenic Trichloride, Benzoic Acid, Benzoic Anhydride, Benzyl Alcohol, Benzyl Chloride, Chlor Anisidine, Cyclohexanol, Dichlor Aniline Hydrochloride, Dichlor Stearic Acid, Furfuryl Alcohol, Hexachlorbenzene, Isopropyl Chloride, Metanitro Benzoyl Chloride, Methyl Benzoate, Methyl Cyclohexanol, Methyl Dichlor Stearate, Methyl Stearate, Paradichlor Aniline, Paradichlor Benzene, "Pentachlor" Benzene, Polychlor Naphthalene, Sodium Benzoate, Sulphuryl Chloride.
Claims use since July 21, 1939.

Ser. No. 423,057. LAURENZ HARRIS, Chicago, Ill. Filed Aug. 28, 1939.

XTTRIUM

For Compound for the Treatment of Diseases of the Mouth, Gums, and Teeth.
Claims use since September, 1937.

Ser. No. 423,116. ROSA OVERTON SAWYER, South Norfolk, Va. Filed Aug. 29, 1939.

OD'S FOR THE GOOD OF THE HAIR

The words "For the Good of the Hair" are disclaimed apart from the mark.
For Hair Dressing.
Claims use since Mar. 5, 1936.

Ser. No. 423,214. JAMESEN CHEMICAL CORP., Brooklyn, N. Y. Filed Sept. 1, 1939.

HANDICHLOR

For Bleaching and Deodorizing Preparation Having Incidental Cleaning Properties.
Claims use since May, 1939.

Ser. No. 423,233. SAMUEL RUBIN, New York, N. Y. Filed Sept. 1, 1939.

Flower-Fresh

The word "Fresh" is disclaimed apart from the mark.
For Mouth Wash.
Claims use since Sept. 21, 1938.

Ser. No. 423,241. TAYTON COMPANY, Kansas City, Mo. Filed Sept. 1, 1939.



The background of the trade-mark is shaded for the color rose. The entire device feature superimposed thereon and which appears in heavy black on the drawing is gold. No claim is made to the outline of a label, panel, or wrapper.
For Compacts, Creams, Powders, and Rouges Indicated for Use as Beauty, Cosmetic, and Toilet Preparations.
Claims use since Dec. 27, 1935.

Ser. No. 423,436. ANDREW OSBORN, doing business as Union Products Company, Detroit, Mich. Filed Sept. 8, 1939.

"KIDEX"

For Medicinal Herb Tea for Kidney and Bladder Disorders.
Claims use since June 1, 1938.

Ser. No. 423,612. E. R. SQUIBB & SONS, New York, N. Y. Filed Sept. 14, 1939.

TOPICAINE

For Local Anesthetics.
Claims use since Sept. 6, 1939.

Ser. No. 423,615. TECTON PRODUCTS, New York, N. Y. Filed Sept. 14, 1939.

Tecton

For Vaginal Suppository.
Claims use since Aug. 17, 1939.

Ser. No. 423,739. THE PRESERVALINE MANUFACTURING CO., Brooklyn, N. Y. Filed Sept. 19, 1939.

SALPRESCO

For Meat Curing Salts and Meat Curing Liquids.
Claims use since 1936 on said salts; and since February, 1911, on said liquids.

Ser. No. 423,759. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 20, 1939.

STYMIE

For Deodorant for Men.
Claims use since Sept. 12, 1939.

Ser. No. 423,785. JAMES J. ANER, doing business as T. F. L. INSECTS COMPANY, Farmington, Mich. Filed Sept. 21, 1939.

TICKS FLEAS LICE SURE KILL

The drawing is lined for red. No claim is made to the words "Sure Kill, Ticks, Fleas, Lice" apart from the mark.
For Insecticide.
Claims use since Aug. 19, 1939.

Ser. No. 423,788. AYERST, MCKENNA & HARRISON (UNITED STATES) LIMITED, Rouses Point, N. Y. Filed Sept. 21, 1939.

SUPPLAMIN

For Calcium and Phosphorus Preparation with Vitamins A and D Intended as a Dietary Supplement.
Claims use since Sept. 12, 1939.

Ser. No. 423,837. H. A. & E. SMITH, LIMITED, Hamilton, Bermuda. Filed Sept. 21, 1939.

WILD HONEY

For Perfumes and Toilet Waters.
Claims use since Nov. 4, 1938.

Ser. No. 423,889. LUCIEN LELONG, INC., Chicago, Ill. Filed Sept. 23, 1939.

Tic tac toe

For Lipsticks.
Claims use since Aug. 28, 1939.

Ser. No. 424,009. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Filed Sept. 28, 1939.

CADMINE

For Chemical Compound in Granular Form or in Any Other Form Used as a Tonic for Convalescents and the Deficiencies of Growing Children.
Claims use since Oct. 1, 1938.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 423,979. RICHARD MAYER, New York, N. Y. Filed Sept. 27, 1939.

PIPE VALET

For Smoker's Combination Set.
Claims use since Aug. 1, 1939.

Ser. No. 424,084. GOLDSMIT-BLACK, INC., Pittsburgh, Pa. Filed Sept. 30, 1939.

FOX CHAPEL

For Pipes.
Claims use since Sept. 11, 1939.

CLASS 10

Fertilizers

Ser. No. 424,154. BONE DRY FERTILIZER COMPANY, Richmond, Va. Filed Oct. 3, 1939.

LAND LAX

For Agricultural Lime.
Claims use since Jan. 15, 1933.

CLASS 12

Construction Materials

Ser. No. 423,668. E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed Sept. 16, 1939.

FERRO - BOND

For Expansion Plates for Basic Furnace Construction.
Claims use since Aug. 4, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 421,465. GLEN S. SLOUGH, Harrisburg, Pa. Filed July 11, 1939.

Vita Craft
PRODUCT

The word "Product" is disclaimed apart from the mark.
For Base Metal Cooking and Table Hollowware.
Claims use since May 26, 1939.

Ser. No. 421,574. L. J. MUELLER FURNACE COMPANY, Milwaukee, Wis. Filed July 14, 1939.

LEVELIZER

For Automatic Gas Control Pressure Regulating Valves for Heating Apparatus.
Claims use since Apr. 12, 1939.

Ser. No. 422,017. REED & PRINCE MANUFACTURING COMPANY, Worcester, Mass. Filed July 27, 1939.



The representation of the goods and the words "Made in the United States of America" and "Worcester, Mass.", are disclaimed apart from the mark.
For Screws, Bolts, Nuts, Rivets, Burrs, and Headed and Threaded Rods.
Claims use since 1919.

Ser. No. 423,822. NATIONAL LOCK CO., Rockford, Ill. Filed Sept. 21, 1939.

N.L. CO.
Rockford

Applicant disclaims the word "Rockford" apart from the mark.
For Stove, Refrigerator, and Furniture Trim and Hinges.
Claims use since October, 1927.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 421,731. DETROIT ALLOY STEEL COMPANY, Detroit, Mich. Filed July 19, 1939.

FLAMALOY

For Alloy Steel Castings.
Claims use since Apr. 18, 1939.

Ser. No. 423,744. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J. Filed Sept. 19, 1939.

LYDIAN

For Printer's Type.
Claims use since June 15, 1938.

Ser. No. 424,068. THE SUPERIOR SHEET STEEL COMPANY, Canton, Ohio. Filed Sept. 29, 1939.

LASTIKOTE

For Galvanized Steel Sheets.
Claims use since Sept. 26, 1939.

Ser. No. 424,284. THE YOUNGSTOWN SHEET & TUBE COMPANY, Youngstown, Ohio. Filed Oct. 6, 1939.

YOLEAD

For Ferrous Bars, Rods, and Wire.
Claims use since July 20, 1938.

CLASS 15

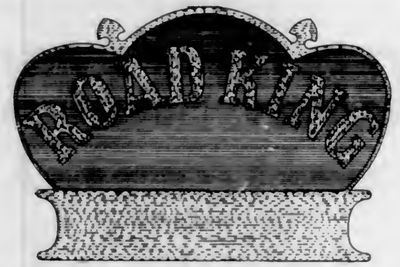
Oils and Greases

Ser. No. 423,256. CHICAGO MANUFACTURING AND DISTRIBUTING COMPANY, Chicago, Ill. Filed Sept. 2, 1939.



No claim is made to the words "Engineer's Specification", "Motor Oil", and "Balanced Lubrication" apart from the mark.
For Lubricating Oils and Greases.
Claims use since Feb. 15, 1939.

Ser. No. 423,850. DETROIT OIL COMPANY, Detroit, Mich. Filed Sept. 22, 1939.



The drawing is lined for blue, yellow, and silver.
For Motor Oil.
Claims use since May 17, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 412,365. RELIANCE VARNISH COMPANY, INC., Louisville, Ky. Filed Nov. 3, 1938.

BONNIE-WOOD

The word "Wood" is disclaimed apart from the mark.
For Stains, Varnishes, Lacquers, Paints in Paste and Ready Mixed Forms and Paint Enamels.
Claims use since Sept. 12, 1938.

Ser. No. 422,136. FRED. L. LAVANBURG COMPANY, INC., Brooklyn, N. Y. Filed July 31, 1939.

PHTHALOCINE

For Toners and Lakes for Use in Paint Enamels, Lacquers, and Colored Varnishes.
Claims use since April, 1939.

Ser. No. 423,727. CURTAIN-HOWE CORPORATION, New York, N. Y. Filed Sept. 19, 1939.

CURTYL

For Organic Coating Compositions—Namely, Lacquers, Varnishes, Paint Enamels, Paints in Ready-Mixed Form, and Paint Vehicles.
Claims use since Aug. 15, 1939.

CLASS 17

Tobacco Products

Ser. No. 422,405. EDUARDO H. GATO, JR., Key West, Fla. Filed Aug. 8, 1939.



For Cigars.
Claims use since 1882.

Ser. No. 422,406. EDUARDO H. GATO, JR., Key West, Fla. Filed Aug. 8, 1939.



For Cigars.
Claims use since June, 1891.

Ser. No. 422,972. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo. Filed Aug. 24, 1939.

LONDON DOCK

The applicant does not claim the sole and exclusive right to the use of the name "London" except in relation and association with the word "Dock".
For Smoking Tobacco.
Claims use since Aug. 11, 1894.

Ser. No. 423,749. BENDIXEN TOBACCO COMPANY, Syracuse, N. Y. Filed Sept. 20, 1939.



All wording except "Benco" and the outline of the wrapper are disclaimed apart from the mark. The drawing is lined for yellow, silver, red, and black.

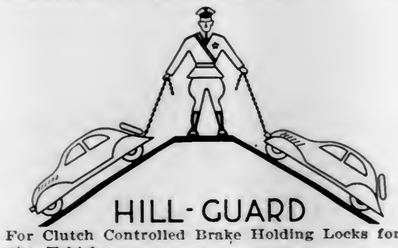
For Tobacco, Particularly Pipe and Cigarette Smoking Tobacco and Chewing Tobacco.

Claims use since Aug. 21, 1939.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 387,476. ROCKVILLE MOTOR ACCESSORIES, INC., New York, N. Y. Filed Jan. 5, 1937.



For Clutch Controlled Brake Holding Locks for Automotive Vehicles.

Claims use since Dec. 21, 1936.

Ser. No. 422,898. THE HERMAN BODY COMPANY, St. Louis, Mo. Filed Aug. 23, 1939.

WALK-IN DRIVE

For Motor Truck and Trailer Vehicles.

Claims use since June 19, 1939.

Ser. No. 423,763. THE KILBORN-SAUER COMPANY, Fairfield, Conn. Filed Sept. 20, 1939.

K-S

For Automobile Light Brackets, Automobile Rear View Mirrors and Mounting Brackets Therefor, Automobile Headlight Visor, Automobile License Plate Frames and Brackets, Oar Locks, Mooring Bitts, Boat Cleats and Chocks, and Fender Hooks.

Claims use since 1918.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 403,480. SUPERIOR PORCELAIN COMPANY, Parkersburg, W. Va. Filed Feb. 26, 1938.

S. P.Co.

For Electric Porcelain Insulators Comprising Various Types of Knobs, Tubes, and Cleats.

Claims use since Oct. 25, 1937.

Ser. No. 412,349. MALL TOOL COMPANY, Chicago, Ill. Filed Nov. 3, 1938.

WAPPAT

For Portable Power Tools—Namely, Portable Electric Hand Drills, Saws, Lock Mortisers, Planes, and Grinders.

Claims use since July 1, 1929.

Ser. No. 419,794. COPPERWELD STEEL COMPANY, Glassport, Pa. Filed May 25, 1939.

GRIP-FLEX

For Ties for Securing Electrical Conducting Wire to Insulators.

Claims use since Apr. 28, 1939.

Ser. No. 420,423. JAMES MILLEN MANUFACTURING COMPANY, INC., Malden, Mass. Filed June 12, 1939.

QUARTZ Q

No claim is made to the word "Quartz" per se. The drawing is lined for red.

For Dielectric Material in Sheets and Molded Forms Used Primarily as Dielectrics in Electrical Condensers, Coil Forms and Other Radio and Electrical Apparatus.

Claims use since June 2, 1939.

Ser. No. 423,257. CINAUDAGRAPH CORPORATION, Stamford, Conn. Filed Sept. 2, 1939.

HYPER-IRON

The term "Iron" is disclaimed except as used in the composite word forming the trade-mark.

For Magnet Parts Formed by Casting.

Claims use since July 20, 1939.

Ser. No. 424,001. THE ELECTRIC RAILWAY IMPROVEMENT COMPANY, Cleveland, Ohio. Filed Sept. 28, 1939.

CADWELD

For Connectors and Bonds for Electrically Connecting Railway Rails.

Claims use since Sept. 25, 1939.

Ser. No. 424,126. EITEL-MCCULLOUGH, INC., San Bruno, Calif. Filed Oct. 2, 1939.

Eimac

For Vacuum Tubes.

Claims use since Sept. 12, 1934.

Ser. No. 424,165. FEDERAL SUPPLY COMPANY, INC., Washington, D. C. Filed Oct. 3, 1939.

HAWKEYE

For Electric Flashlights and Electric Lanterns.

Claims use since Aug. 6, 1939.

Ser. No. 424,212. STEBER MANUFACTURING CO., Chicago, Ill. Filed Oct. 4, 1939.

Circulite

For Electric Lighting Fixtures.

Claims use since Sept. 29, 1939.

Ser. No. 424,303. HYGRADE SYLVANIA CORPORATION, Salem, Mass. Filed Oct. 7, 1939.

SPECTRON

For Fluorescent Tubing for Electric Discharge Lamps.

Claims use since Sept. 22, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 421,266. STOWE-WOODWARD, INC., Newton and Newton Upper Falls, Mass. Filed July 3, 1939.

LADY Ebonite THE BALL THAT ROLLS RITE

Applicant disclaims the words "The Ball That Rolls Rite" apart from the mark, and disclaims the word "Ebonite" except in association with the word "Lady".

For Bowling Balls.

Claims use since May 19, 1939.

Ser. No. 423,892. MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Sept. 23, 1939.



The figure is fanciful, all notations except "Winter Garden" and applicant's name, and the representation of the label are disclaimed apart from the mark.

For Ice Skates, Hockey Sticks, and Pucks.

Claims use since Aug. 1, 1924.

Ser. No. 424,004. HASSENFELD BROS., INC., Providence, R. I. Filed Sept. 28, 1939.



No claim is made to the words "Genuine" and "Play Set" and to the representation of the palette and brushes apart from the mark.

For Toy Paint Sets.

Claims use since Feb. 10, 1939.

Ser. No. 424,016. WINDSOR PRODUCTS CORPORATION, Detroit, Mich. Filed Sept. 28, 1939.

SWING CHEKERS

Applicant disclaims the word "Chekers" apart from the mark.

For Board Game Played with Movable Pieces.

Claims use since May 10, 1939.

Ser. No. 424,048. LOUIS MARX & COMPANY, INC., New York, N. Y. Filed Sept. 29, 1939.

PLAY-A-WAY

For Miniature Toy Piano.

Claims use since Sept. 22, 1939.

Ser. No. 424,523. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Oct. 13, 1939.

DOGFIGHT

For Board Game Played with Movable Pieces.
Claims use since Oct. 6, 1939.

Ser. No. 424,526. SIMMONS HARDWARE COMPANY, St. Louis, Mo. Filed Oct. 13, 1939.

KAST KING

For Casting Lines.
Claims use since Sept. 11, 1939.

Ser. No. 424,537. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Oct. 14, 1939.

TOWN HALL

For Game Played with Chips.
Claims use since Oct. 9, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 419,477. THE F. & N. LAWN MOWER COMPANY, Richmond, Ind. Filed May 16, 1939.

MARATHON

For Lawn Mowers and Parts Thereof.
Claims use since Mar. 8, 1939.

Ser. No. 419,478. THE F. & N. LAWN MOWER COMPANY, Richmond, Ind. Filed May 16, 1939.

OLYMPIC

For Lawn Mowers and Parts Thereof.
Claims use since Mar. 8, 1939.

Ser. No. 420,617. ACROW (ENGINEERS) LTD., London, England. Filed June 17, 1939.

ACROW

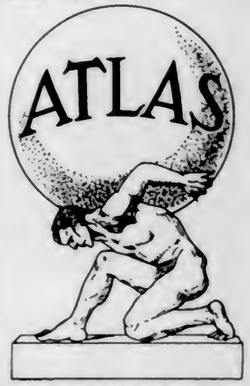
For Engineering, Architectural, and Building Contrivances, Comprising Supporting and Bracing Struts, Props, Jacks, Shuttering and Mold Forms, Trestle Jacks, Floor Centering Braces and Struts, Clamps, Clips and the Like Devices, All the Foregoing Being in the Nature of Tools Used in Construction Work.
Claims use since January, 1938.

Ser. No. 421,957. AMERICAN EXPORTING SERVICE COMPANY, New York, N. Y. Filed July 26, 1939.

MARIPOSA

For Razor Blades.
Claims use since Jan. 20, 1937.

Ser. No. 422,649. ATLAS BALL COMPANY, Philadelphia, Pa. Filed Aug. 16, 1939.



For Metal Balls Used in Bearings, Valves, Pigment Grinding, and Lithograph Plate Grinding.
Claims use since June 22, 1910.

Ser. No. 422,650. ATLAS BALL COMPANY, Philadelphia, Pa. Filed Aug. 16, 1939.

ATLAS

For Metal Balls Used in Bearings, Valves, Pigment Grinding, and Lithograph Plate Grinding.
Claims use since July 1, 1910.

Ser No. 423,287. HAMMOND MACHINERY BUILDERS, Kalamazoo, Mich. Filed Sept. 1, 1939.

Mercury

For Printing Machinery—Namely, Printer's Saws and Saw Trimmers.
Claims use since May 24, 1939.

Ser. No. 424,104. SPIEGEL, INCORPORATED, Chicago, Ill. Filed Sept. 30, 1939.

JOURNEYMAN

For Saws, Wrenches, Hammers, Hatchets, Axes, Chisels, Pliers, Screw Drivers, Drills, Planes, Vises, Tool Grinders.
Claims use since Aug. 2, 1939.

Ser. No. 424,149. BARTLETT MANUFACTURING CORPORATION, Cameron, Wis. Filed Oct. 2, 1939.



TRADE MARK

No claim is made to the words "Trade Mark."
For Compressed Air Engines.
Claims use since Aug. 25, 1938.

Ser. No. 424,236. JOE LOWE CORPORATION, New York, N. Y. Filed Oct. 5, 1939.

VITAMATIC

For Automatic Doughnut Forming and Cooking Machines.
Claims use since Aug. 21, 1939.

Ser. No. 424,313. SAM RACHELSON, doing business as Southern Merchandise Company, Atlanta, Ga. Filed Oct. 7, 1939.

RAY-STEEL

The word "Steel" is disclaimed apart from the mark.
For Razor Blades.
Claims use since Oct. 12, 1937.

CLASS 24

Laundry Appliances and Machines

Ser. No. 424,575. BUTLER MANUFACTURING COMPANY, Kansas City, Mo. Filed Oct. 16, 1939.

UNITHRIFT

For Dry Cleaning Apparatus.
Claims use since Feb. 25, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 398,239. COMPAÑIA INDUSTRIAL FILM ESPAÑOL, S. A., Valencia, Spain. Filed Oct. 7, 1937.

CIFESA

For Sensitized Films.
Claims use since January, 1933.

Ser. No. 416,314. CONTINENTAL OPTICAL COMPANY, INC., Indianapolis, Ind. Filed Feb. 23, 1939.

K

Representation of the goods in outline is disclaimed apart from the mark.
For Ophthalmic Lens Blanks and Lenses.
Claims use since Dec. 13, 1938.

Ser. No. 421,758. CLASSROOM LABORATORIES, INC., Chicago, Ill. Filed July 20, 1939.

Soundmaster

For Motion Picture Projectors.
Claims use since May 10, 1939.

Ser. No. 423,211. GENERAL COMMUNICATION COMPANY, Boston, Mass. Filed Sept. 1, 1939.

WIND-IKATOR

For Instrument for Measuring the Direction and Velocity of the Wind.
Claims use since May 27, 1939.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 423,634. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Filed Sept. 15, 1939. Act of Feb. 20, 1905, as amended June 10, 1938.

NATIONAL CO-OP COOPERATIVES

For Brooms, Whisk Brooms, Scrubbing Brushes, Mops, Radiator Brushes, Paper Hanger Brushes, Steel Brushes, Paint Brushes, Toilet Brushes, Vegetable Brushes, Nail Brushes, Clothes Brushes, Hair Brushes, Bath Brushes, Tooth Brushes, Bottle Brushes, Shaving Brushes, Squeegees, Shoe Daubers and Brushes, Feather Dusters, Horse Brushes, Powder Puffs, Stencil Brushes, and Wool Dusters.
Claims use since December, 1929.

CLASS 31

Filters and Refrigerators

Ser. No. 424,043. HUSSMANN-LIGONIER COMPANY, St. Louis, Mo. Filed Sept. 29, 1939.

SALES Magnet DESIGNED DISPLAY

No claim is made to the words "Designed Display" apart from the mark.
For Refrigerator Display Cases for Preservation of Foodstuffs.
Claims use since Jan. 5, 1938.

CLASS 32

Furniture and Upholstery

Ser. No. 421,508. BEAUTILITY FURNITURE LIMITED, London, England. Filed July 13, 1939.

BEAUTILITY

For Furniture—Namely, Bed Room Furniture; Dining Room Furniture; Living Room Furniture; Upholstered Furniture; Tables; Stools; Steel Furniture—Namely, Tables, Chairs, and Beds; Ship Furniture—Namely, Tables, Chairs, Beds, and Chests; Office Furniture—Namely, Tables and Chairs; Desks and Desk Chairs; Occasional Furniture; Mirrors; Music Cabinets; Hospital Furniture—Namely, Beds, Chairs, and Tables; Hotel Furniture—Namely, Tables, Chairs, and Bedroom Furniture; Hat Racks and Costumers; Garden Furniture; Drawing Room Furniture; Card Tables; Woven Fibre and Cane Furniture—Namely, Tables and Chairs; Library and Lounge Furniture; Kitchen Furniture, Book Cases.
Claims use since July 1, 1931.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 418,437. THE GEHNRICH CORPORATION, Long Island City, N. Y. Filed Apr. 19, 1939.

GEHNRICH

For Ovens, Heaters, and Drying Equipment Using Gas, Oil, Electricity, Steam, Coal, Infra-Red Heat Radiation, and Coke for Baking Enamel, Japan, Lacquer, Insulating Varnishes; for Baking Cores; Drying Molds; Blacking; Pasting; Crucible Drying; Preheating and Aging Castings; Heat Treating Metals; Drying Chemicals and Foods; Sterilizing Bedding and Feathers; Drying Wood Products, Textiles, Woolens, Fabrics, Leather, Photographic Film, Paper, Cork, Insulation, Ceramics, Glassware; Curing Plastics, Brake Lining, Rubber, Abrasive Wheels; Wire and Rod Baking; and Baking Asphaltum on Etched Plates.
Claims use since December, 1911.

Ser. No. 419,180. CLEAVER-BROOKS COMPANY, Milwaukee, Wis. Filed May 8, 1939.

BOOSTER

For Oil Burning Heaters for Bituminous and Like Materials.
Claims use since May 7, 1932.

CLASS 36

Musical Instruments and Supplies

Ser. No. 422,193. AMERICAN MUSICAL COMPANY, Philadelphia, Pa. Filed Aug. 2, 1939.

AMERICAN CORPORAL

The term "American" is claimed only in the association shown.
For Harmonica.
Claims use since July 12, 1939.

Ser. No. 422,932. HARMONIC REED CORPORATION, Philadelphia, Pa. Filed Aug. 24, 1939.

ALL AMERICAN

The drawing is lined for red and black. Applicant disclaims the words "All American" apart from the mark.
For Harmonicas and Reeds Therefor.
Claims use since May 19, 1939.

CLASS 37

Paper and Stationery

Ser. No. 407,284. THE REYNOLDS & REYNOLDS COMPANY, Dayton, Ohio. Filed June 9, 1938.

506

For Accounting Forms.
Claims use since Jan. 1, 1930.

Ser. No. 416,508. CECILE GILMORE, New York, N. Y. Filed Feb. 28, 1939.

NEWS-NAP

Applicant disclaims the word "News" apart from the mark.
For Printed Paper Napkins.
Claims use since Nov. 1, 1938.

Ser. No. 419,076. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed May 4, 1939.

Technicrayon

For Pencils of All Kinds.
Claims use since May 2, 1939.

Ser. No. 421,286. GERMAIN SEED & PLANT COMPANY, Los Angeles, Calif. Filed July 5, 1939.

GLASTEX

For Processed Paper Used for Plant Covers.
Claims use since June 7, 1939.

Ser. No. 422,166. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed Aug. 1, 1939. Under 10-year proviso.

SCIENTIFIC

For Lead Pencils.
Claims use since 1894.

Ser. No. 423,203. FAR-WAL COMPANY, Chicago, Ill. Filed Sept. 5, 1939.

FAST · SIMPLE · ACCURATE
FAR-WAL "EASY-WAY"

Applicant disclaims the words "Fast", "Simple", and "Accurate" apart from the mark.
For Record Cards and Paper Box Containers for Such Record Cards, Recording Books, Record Slips, and Blanks To Be Filled in Used in Connection with a System for Recording Bowling Scores.
Claims use since July, 1938.

Ser. No. 423,988. SULLIVAN MANUFACTURING CO. INC., North Syracuse, N. Y. Filed Sept. 27, 1939.

Chic

For Paper Napkins.
Claims use since May 1, 1939.

CLASS 38

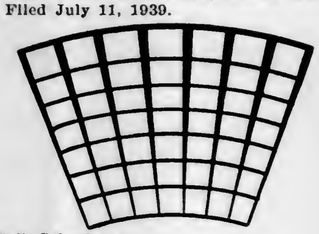
Prints and Publications

Ser. No. 421,214. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 1, 1939.

The Tremco Cat Says

For Column Published in a Monthly Publication.
Claims use since November, 1931.

Ser. No. 421,459. MAX HÄSSLER, Buenos Aires, Argentina. Filed July 11, 1939.



For Wall Calendars.
Claims use since November, 1938.

Ser. No. 422,805. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Aug. 21, 1939.

NUTS AND JOLTS

For Series of Cartoons.
Claims use since July 7, 1939.

Ser. No. 423,195. ALL AMERICAN COMICS, INC., New York, N. Y. Filed Sept. 1, 1939.

FLASH Comics

LIGHTNING FAST ACTION, MYSTERY and ADVENTURE!

For Magazine Publication.
Claims use since Aug. 1, 1939.

Ser. No. 423,874. AMES REDBOOK DAILY RATINGS, Chicago, Ill. Filed Sept. 23, 1939.

AMES' RED BOOK DAILY RATINGS

Applicant disclaims the term "Daily Ratings" apart from the mark.
For Printed Forms Issued Daily or Periodically, and Containing Racing Information.
Claims use since Sept. 20, 1939.

Ser. No. 423,984. ALF CLARENCE NYDIN, doing business as Nydin Publications, Seattle, Wash. Filed Sept. 27, 1939.

SKI ILLUSTRATED

For Periodical.
Claims use since December, 1936.

CLASS 39

Clothing

Ser. No. 398,062. RODES-RAPIER CO., INC., Louisville, Ky. Filed Oct. 2, 1937.

hadley hall

No claim is made to the word "Hadley" apart from the mark.
For Hats for Men and Boys, and Shoes of Leather and Fabric and Combinations of Leather and Rubber and Fabric and Rubber.
Claims use since September, 1931.

Ser. No. 410,950. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Sept. 24, 1938.

HEATHDOWN

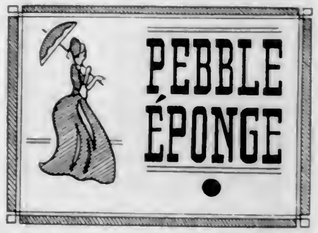
For Men's and Boys' Coats and Suits and Women's, Girls' and Children's Coats, Suits, Cloaks, and Capes.
Claims use since Aug. 5, 1938.

Ser. No. 412,873. ALFRED ROSS, New York, N. Y. Filed Nov. 17, 1938.

Paulette

For Hosiery.
Claims use since Aug. 15, 1926.

Ser. No. 414,279. JOSEPH STEIN COATS, INC., New York, N. Y. Filed Dec. 28, 1938.



The drawing is lined for green and purple. The terms "Pebble Éponge" are disclaimed apart from the mark.
For Ladies' and Misses' Coats, Suits.
Claims use since Dec. 10, 1938.

Ser. No. 416,484. SPORTS VOGUE INC., New York, N. Y. Filed Feb. 27, 1939.

Town Twins

For Misses' and Women's Dresses, Skirts, Blouses, Sport Dresses, Jackets, and Suits.
Claims use since Feb. 6, 1939.

Ser. No. 422,249. INTERNATIONAL LATEX CORPORATION, Dover, Del. Filed Aug. 3, 1939.

DRYPER

For Baby Pants and Diaper Covers.
Claims use since June 21, 1939.

Ser. No. 422,270. BLACKTON-FIFTH AVENUE, LTD., New York, N. Y. Filed Aug. 4, 1939.

YOU foundations

Applicant disclaims the word "Foundations".
For Women's and Misses' Brassières, Corsets, and Underwear.
Claims use since Mar. 30, 1938.

Ser. No. 422,819. HUDSON HANDKERCHIEF CO., INC., Newark, N. J. Filed Aug. 21, 1939.



The words "The Symbol of a Fine Handkerchief" are disclaimed apart from the mark.
For Handkerchiefs.
Claims use since Apr. 19, 1939.

Ser. No. 423,020. JAY LENARD FIERST, doing business as Jay-Eff Hosiery Co., New York, N. Y. Filed Aug. 25, 1939.

Lady Fashion
PURE SILK STOCKINGS

No claim is made to the words "Parisian Smartness", "Fashion", and "Pure Silk Stockings" apart from the mark.
For Hosiery.
Claims use since Jan. 12, 1930.

Ser. No. 423,470. JOSEPH LINSK, Philadelphia, Pa. Filed Sept. 9, 1939.



No claim is made to the word "Togs" apart from the mark.
For Children's Dresses Sizes One to Six.
Claims use since Aug. 25, 1939.

Ser. No. 423,520. BARNEY BROOKS SHIRT CO., New York, N. Y. Filed Sept. 12, 1939.

El Rancho

For Outer Shirts, Sports Wear for Men and Boys, i. e. Sport Shirts, Bush Coats, Sports Coats, Sports Jackets, and Lumber Jackets.
Claims use since Aug. 1, 1936.

Ser. No. 423,526. THE FAIR, Chicago, Ill. Filed Sept. 12, 1939.

Faircraft

For Men's and Boys' Clothing—Namely, Suits, Overcoats, Topcoats, Hats, and Shoes, Made of Leather, Fabric, Rubber, and Combinations Thereof.
Claims use since Jan. 3, 1938.

Ser. No. 423,603. LUSTBERG, NAST & CO., INC., New York, N. Y. Filed Sept. 14, 1939.

Weather Beaters
THE FABRIC THAT TAMES BAD WEATHER

The word "Fabric" is disclaimed apart from the mark.
For Men's and Women's Outer Garments—Viz., Coats, Jackets, Windbreakers, Pullovers, and Sport Shirts.
Claims use since Aug. 11, 1939.

Ser. No. 423,661. HALE BROS. STORES, INC., San Francisco, Calif. Filed Sept. 16, 1939.

BUDGETEER

For Women's Dresses.
Claims use since June 6, 1939.

Ser. No. 423,673. MILES SHOES, INC., New York, N. Y. Filed Sept. 16, 1939.

Elast-Eze

For Shoes, Slippers, and Boots of Leather, Fabric Elastic, and Combinations Thereof; Spats; Hosiery; and Cut Out Shoe Parts—Namely, Heels, Inner and Outer Soles, Uppers, Tongues, and Toe Caps.
Claims use since July 31, 1939.

Ser. No. 423,774. THE NEW YORK MERCANTILE COMPANY, St. Louis, Mo. Filed Sept. 20, 1939.



John Kollins

The name John Kollins and the representation of a hat are disclaimed apart from the mark.
For Men's Hats.
Claims use since May 15, 1938.

Ser. No. 423,815. LANSBURGH & BRO., Washington, D. C. Filed Sept. 21, 1939.

Leisurettes

For Boudoir Slippers Made of Velvet, Satin, Leather, and/or Rayon.
Claims use since Sept. 5, 1939.

Ser. No. 423,835. C. B. SHANE CORPORATION, Chicago, Ill. Filed Sept. 21, 1939.

SeasonSkipper

For Men's, Boys', Women's, and Girls' Overcoats and Topcoats.
Claims use since Mar. 5, 1936.

Ser. No. 423,879. FRIEDMAN DRESS CO., INC., New York, N. Y. Filed Sept. 23, 1939.

GRACIOUS LADY

For Women's Dresses.
Claims use since Sept. 8, 1939.

Ser. No. 423,895. ROBERT REIS & CO., New York, N. Y. Filed Sept. 23, 1939.

A. M.'S

For Wearing Apparel and Furnishings, for Men, Women, and Children, as Follows: Underwear, to wit, Shirts, Drawers, and Union Suits, Made of Knitted, Netted, Woven or Textile Fabrics; Pajamas, Hosiery, Bathing Suits, Sweaters, Cardigan Jackets, Sport-Coats, Mackinaws, Blouses, Coats, Trousers, Outer Shirts, and Belts for Personal Wear.
Claims use since Aug. 21, 1939.

Ser. No. 423,896. ROBERT REIS & CO., New York, N. Y. Filed Sept. 23, 1939.

P. M.'S

For Wearing Apparel and Furnishings for Men, Women, and Children, as Follows: Underwear, to wit, Shirts, Drawers, and Union Suits, Made of Knitted, Netted, Woven or Textile Fabrics; Pajamas, Hosiery, Bathing Suits, Sweaters, Cardigan Jackets, Sport-Coats, Mackinaws, Blouses, Coats, Trousers, Outer Shirts, and Belts for Personal Wear.
Claims use since Aug. 21, 1939.

Ser. No. 423,900. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Sept. 23, 1939.

Wanafit

For Hosiery.
Claims use since Sept. 15, 1939.

Ser. No. 423,955. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif., and Denver, Colo., doing business as Famous-Barr Co., St. Louis, Mo. Filed Sept. 26, 1939.

Polly Pepper

Polly Pepper is the name of a principal character in the well-known book of fiction "Five Little Peppers and How They Grew".
For Misses' and Juniors' Dresses, Jackets, Skirts, and Coats.
Claims use since Sept. 9, 1939.

Ser. No. 424,006. HART, SCHAFFNER & MARX, Chicago, Ill. Filed Sept. 28, 1939.

PERIMOTH

For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Sept. 1, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 419,756. FRANKLY FABRICS CORP., New York, N. Y. Filed May 24, 1939.



For Textile Fabrics, in the Piece, Made of Spun Rayon and Acetate.
Claims use since May 1, 1939.

Ser. No. 423,734. GEROME LEONARD, doing business as Gerome Leonard Company, New York, N. Y. Filed Sept. 19, 1939.

WORAY FABRICS

The word "Fabrics" is disclaimed apart from the mark.
For Wool and Rayon Mixture Goods in the Piece.
Claims use since Sept. 9, 1939.

Ser. No. 423,819. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 21, 1939.



No claim is made to the word "Cambric" apart from the mark. The drawing is lined for red.
For Cambrics.
Claims use since Jan. 29, 1874.

Ser. No. 423,827. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Sept. 21, 1939.

NARCO

For Piece Goods Composed Wholly or in Part of Yarn of Artificial Origin.
Claims use since Sept. 7, 1939.

Ser. No. 424,143. L. & E. STIRN, INC., New York, N. Y. Filed Oct. 2, 1939.

SPANIEL

For Silk, Satin, Rayon, and Cotton Fabrics, and Mixtures Thereof, in the Piece.
Claims use since 1936.

Ser. No. 424,465. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 12, 1939.

LLAMACEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 10, 1939.

Ser. No. 424,466. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 12, 1939.

VICUNACEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 10, 1939.

Ser. No. 424,467. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 12, 1939.

VICUNESE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 10, 1939.

Ser. No. 424,492. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Oct. 12, 1939.

WARMNIGHT

For Blankets and Blanket Cloth.
Claims use since July 15, 1936.

Ser. No. 424,577. COLLEGIATE MANUFACTURING COMPANY, INC., New York, N. Y. Filed Oct. 16, 1939.

Fluff-Down

For Piece Goods of Cotton, Rayon, Silk, and Combinations Thereof.
Claims use since July 18, 1939.

CLASS 43

Thread and Yarn

Ser. No. 423,921. MOORE FABRIC COMPANY, Pawtucket, R. I. Filed Sept. 25, 1939.

Mor-Flex

For Elastic Yarn.
Claims use since June 12, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 424,491. J. J. NEWBERRY COMPANY, New York, N. Y. Filed Oct. 12, 1939.

MARLENE

For Sanitary Napkins and Elastic Webbing Supports for Sanitary Napkins.
Claims use since January, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 423,685. VAN AMERINGEN-HAEBLER, INC., New York, N. Y. Filed Sept. 16, 1939.

Ha-wa-ya

For Nonalcoholic and Maltless Carbonated Beverages and Artificial Flavors for the Manufacture of Carbonated Beverages.
Claims use since May 31, 1939.

Ser. No. 424,277. BUD J. PETER, Santa Rosa, Calif. Filed Oct. 6, 1939.

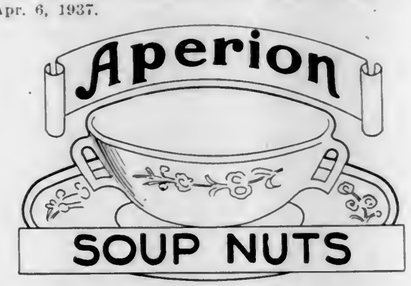
BUDOLA

For Nonalcoholic, Noncereal, Maltless Beverages of Various Flavors Sold at Soft Drinks and Syrups for Making Same.
Claims use since Feb. 14, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 390,983. APERION, INC., Boston, Mass. Filed Apr. 6, 1937.





The word "Pareve" and the representations of the Star of David and the picture of the candelabrum are disclaimed apart from the mark as shown. The Hebrew characters within the star are the equivalent of the word "Aperion."
For Soup Crackers.
Claims use since October, 1935.

Ser. No. 410,711. F. C. TRIPI CO., INC., doing business as Indian Head Products Co., Buffalo, N. Y. Filed Sept. 17, 1938.

INDIAN HEAD

For Canned Fruits, Canned Vegetables, and Tomato Juice.
Claims use since July, 1920.

Ser. No. 415,274. VARNUM YEAST COMPANY, doing business as Capitol Yeast Company, West Brookfield, Mass. Filed Jan. 26, 1939.



The word "Yeast" is disclaimed.
For Yeast Sold Only in Pound Packages or Larger to Bakers and Food Manufacturers.
Claims use since Mar. 8, 1934.

Ser. No. 417,186. SQUIRREL BRAND CO., Cambridge, Mass. Filed Mar. 17, 1939.

YIP-PEES

For Candies.
Claims use since Mar. 8, 1939.

Ser. No. 420,659. SUNI-CITRUS PRODUCTS COMPANY, Haines City, Fla. Filed June 19, 1939.

Sweet Suni-Citrus Pulp

Applicant is the owner of T. M. Registration No. 353,341.
The words "Sweet" and "Citrus Pulp" are disclaimed apart from the mark.
For Dried Citrus Pulp for Use as a Cattle Food, and Dehydrated Citrus Pulp for Use as Human Food.
Claims use since May 25, 1938.

Ser. No. 421,064. BECK VANILLA PRODUCTS COMPANY, East St. Louis, Ill. Filed June 29, 1939.

NILLA-FREEZE

For Vanilla for Food Flavoring Purposes.
Claims use since June 15, 1938.

Ser. No. 421,065. BECK VANILLA PRODUCTS COMPANY, East St. Louis, Ill. Filed June 29, 1939.

IMCO-NILLA

For Vanilla for Food Flavoring Purposes.
Claims use since May 15, 1938.

Ser. No. 421,086. ALBERT HORWITZ, doing business as International Import Company, El Paso, Tex. Filed June 29, 1939.



No claim is made to any wording apart from the mark.
For Salted Pumpkin Seeds.
Claims use since May 1, 1939.

Ser. No. 421,509. BECK VANILLA PRODUCTS COMPANY, East St. Louis, Ill. Filed July 13, 1939.

GOLD-N-NILLA

For Vanilla for Food Flavoring Purposes.
Claims use since May 1, 1939.

Ser. No. 421,794. BECK VANILLA PRODUCTS COMPANY, East St. Louis, Ill. Filed July 21, 1939.

BEE-DEE-NILLA

For Vanilla for Food Flavoring Purposes.
Claims use since June 1, 1935.

Ser. No. 422,803. STUART A. BAKER CHOCOLATE CO., INC., Toledo, Ohio. Filed Aug. 21, 1939.

LA BESS

For Ice-Cream Flavorings — Namely, Liquid Milk Chocolate.
Claims use since January, 1924.

Ser. No. 422,884. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill. Filed Aug. 23, 1939.



The portrait is that of an imaginary service man.
For Chocolate, Candies, Candy Bars, Nuts, Chewing Gum, Ice Cream, Candied Popcorn, Salted Popcorn, Buttered Popcorn, and Plain Popcorn.
Claims use since Dec. 26, 1933.

Ser. No. 422,887. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill. Filed Aug. 23, 1939.

canteen

For Chocolate, Candies, Candy Bars, Nuts, Chewing Gum, Ice Cream, Candied Popcorn, Salted Popcorn, Buttered Popcorn, and Plain Popcorn.
Claims use since July 1, 1929.

Ser. No. 423,159. HARRISON COOK, doing business as Cook's Baking & Pretzel Company, Cleveland, Ohio. Filed Aug. 31, 1939.

POTAT-O-POPS

The word "Potat-O" is disclaimed apart from the mark.
For Prepared Food Product in Chip Form Made Essentially of a Mixture of Starchy Materials.
Claims use since Mar. 1, 1938.

Ser. No. 423,169. ILLINOIS MEAT COMPANY, Chicago, Ill. Filed Aug. 31, 1939.

BROADCAST

Redi-Meat

The words "Redi-Meat" are disclaimed apart from the mark.
For Canned Pork Loaf.
Claims use since July 19, 1939.

Ser. No. 423,224. JESSE L. MCFAIL, doing business as Nan-C-Ets-Co., St. Louis, Mo. Filed Sept. 1, 1939.

NAN-C-ETS

For Food Supplement and Mineral Tonic for Animals in Granular Form for Mixture with Solid Animal Foods.
Claims use since Aug. 16, 1939.

Ser. No. 423,314. RICE GROWERS ASSOCIATION OF CALIFORNIA, Sacramento, Calif. Filed Sept. 5, 1939.

SELLO ROJO
ARROZ
DE
CALIFORNIA

No claim is made to the words "Arroz" and "de California" apart from the mark. The drawing is lined for red.
For Rice.
Claims use since Nov. 28, 1932.

Ser. No. 423,836. THEOPHAS SIMON, doing business as Central Rice Mill, Crowley, La. Filed Sept. 21, 1939.

EXTRA FANCY
74
BLUE ROSE

The words "Extra Fancy" and "Blue Rose" are disclaimed apart from the mark.
For Rice.
Claims use since Oct. 1, 1928.

Ser. No. 423,917. JOSEPH P. LEINDORF, doing business as Nature's Wonderland, New York, N. Y. Filed Sept. 25, 1939.

NIR-A-LIVE

For Foods for Fish.
Claims use since Aug. 30, 1939.

Ser. No. 423,967. LYMAN L. BUSSE, Lawrenceville, Ill. Filed Sept. 27, 1939.

FLASH



For Dog Food.
Claims use since January, 1937.

Ser. No. 424,037. HUBERT J. FLEETHAM, doing business as Hiawatha Products Company, Minneapolis, Minn. Filed Sept. 29, 1939.

EYE OPENER

For Tomato Juice Cocktails.
Claims use since Jan. 13, 1939.

Ser. No. 424,082. FLORENCE CITRUS GROWERS ASSOCIATION, Florence Villa, Fla. Filed Sept. 30, 1939.

FLO - VILLA

For Fresh Citrus Fruits.
Claims use since Aug. 31, 1939.

Ser. No. 424,083. GENERAL MILLS, INC., Minneapolis, Minn. Filed Sept. 30, 1939.

MELL-O-DOUGH

For Flour, Particularly Wheat Flour.
Claims use since Aug. 26, 1938.

Ser. No. 424,089. INTER-STATE GROVE PROPERTIES, INC., Tampa, Fla. Filed Sept. 30, 1939.

SWANNY

For Fresh Citrus Fruits.
Claims use since Aug. 31, 1939.

Ser. No. 424,090. J. & L. PAPER PRODUCTS CO., INC., Albany, N. Y. Filed Sept. 30, 1939.

PEAK

For Dog and Cat Food.
Claims use since Sept. 18, 1939.

Ser. No. 424,093. LANCE, INCORPORATED, Charlotte, N. C. Filed Sept. 30, 1939.

PEPCHEE

For Peanut Butter Sandwiches.
Claims use since July 24, 1939.

Ser. No. 424,235. JOE LOWE CORPORATION, New York, N. Y. Filed Oct. 5, 1939.

BOOMERANG

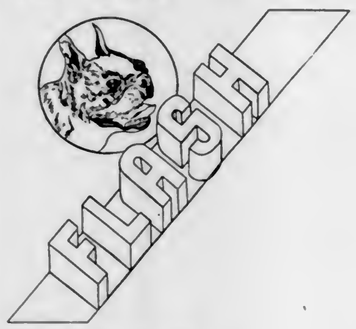
For Frozen Confectionery Products.
Claims use since July 11, 1939.

Ser. No. 424,373. SWIFT AND COMPANY, Chicago, Ill. Filed Oct. 9, 1939.

Prem

For Canned Pork.
Claims use since Sept. 16, 1939.

Ser. No. 424,542. FLASH DOG FOOD CO., Harbor City, Calif. Filed Oct. 14, 1939.



For Canned Dog and Cat Food.
Claims use since Sept. 18, 1939.

CLASS 47

Wines

Ser. No. 423,418. GARRETT & COMPANY, INC., Brooklyn, N. Y. Filed Sept. 8, 1939. Under 10-year proviso.

GARRETT'S

For Wines.
Claims use since 1866.

CLASS 48

Malt Beverages and Liquors

Ser. No. 424,214. TERRE HAUTE BREWING COMPANY, INC., Terre Haute, Ind. Filed Oct. 4, 1939.

CHAMPAGNE VELVET
BRAND

Applicant disclaims the word "Brand" apart from the mark.
For Beer.
Claims use since March, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 422,637. JAMES SWORD & SON, LIMITED, Glasgow, Scotland. Filed Aug. 15, 1939.



The words "Product of Scotland", "Reel Blended Scotch Whisky", "Proprietors", and "Glasgow, Scotland", are disclaimed apart from the mark.
For Whisky.
Claims use since Dec. 6, 1938.

Ser. No. 422,638. JAMES SWORD & SON, LIMITED, Glasgow, Scotland. Filed Aug. 15, 1939.



The words "Blended Scotch Whisky", "Product of Scotland", "Blended & Bottled by", and "Glasgow, Scotland" are disclaimed apart from the mark.
For Whisky.
Claims use since Dec. 6, 1938.

Ser. No. 423,569. LONDON & CO., INC., Elizabeth, N. J. Filed Sept. 13, 1939.

CRYST-O-KLEER

The word "Kleer" is disclaimed apart from the mark.
For All Grain Alcohol.
Claims use since June 28, 1938.

Ser. No. 424,254. BARDSTOWN DISTILLERY, INC., Bardstown, Ky. Filed Oct. 6, 1939.

OLD BARD

For Whiskey.
Claims use since Sept. 19, 1939.

Ser. No. 424,483. LEROUX AND COMPANY, INC., Philadelphia, Pa. Filed Oct. 12, 1939.

IRISH MOSS

For Rock and Rye.
Claims use since Sept. 29, 1939.

Ser. No. 424,567. THE K. TAYLOR DISTILLING CO., INCORPORATED, Frankfort, Ky. Filed Oct. 14, 1939.

KAY TEE

For Whisky.
Claims use since Sept. 26, 1939.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 423,600. WM. E. HOOPER & SONS CO., Baltimore, Md. Filed Sept. 14, 1939.

LIDO

For Waterproof Canvas Piece Goods, Dyed.
Claims use since June 1, 1939.

Ser. No. 423,625. BURLINGTON MILLS INCORPORATED, Burlington, Wis. Filed Sept. 15, 1939.



For Hair, Wool, and Jute Felt Products Sold Both in Yardage and Cut Pieces.
Claims use since February, 1933.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 28, 1939

373,102. GIN. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed October 9, 1935. Serial No. 370,190. PUBLISHED NOVEMBER 19, 1935. Class 49.

373,103. CANNED FRUITS, MARASCHINO CHERRIES, GLACE FRUITS, PECTIN, JELLIES, AND JAMS. JOHN C. MORGAN COMPANY, INC., Traverse City, Mich.
Filed November 5, 1935. Serial No. 371,223. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,104. SACKS OF CONCRETE, EACH COMPRISING A COMMERCIAL PACKAGE OF CONCRETE AGGREGATE. SACKRETE INC., doing business as Sakrete Inc., Cincinnati, Ohio.
Filed August 14, 1936. Serial No. 382,178. PUBLISHED SEPTEMBER 5, 1939. Class 12.

373,105. HOSIERY. BROWN DURRELL CO., New York, N. Y., and Boston, Mass.
Filed June 17, 1937. Serial No. 394,163. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,106. HAND CLEANSER AND A SHAVING CREAM. CEDRIC L. RENNIEBURGH, doing business as The Lindex Co., Linden, N. J.
Filed August 7, 1937. Serial No. 396,166. PUBLISHED SEPTEMBER 19, 1939. Class 4.

373,107. HEATING UNITS OF THE CONVECTOR TYPE FOR HOT WATER, STEAM, AND VAPOR SYSTEMS, AND FOR HUMIDIFIERS. AMERICAN RADIATOR COMPANY, New York, N. Y.
Filed December 23, 1937. Serial No. 401,171. PUBLISHED SEPTEMBER 19, 1939. Class 34.

373,108. BICYCLES. ARNOLD, SCHWINN & Co., Chicago, Ill.
Filed May 13, 1938. Serial No. 406,273. PUBLISHED SEPTEMBER 19, 1939. Class 19.

373,109. GOODS IN THE PIECE OF SILK, RAYON, COTTON, WOOL, AND LINEN, WOVEN, NETTED, OR KNITTED AND/OR COMBINATIONS THEREOF. RIVERDALE MANUFACTURING CO., INC., New York, N. Y.
Filed July 2, 1938. Serial No. 408,166. PUBLISHED SEPTEMBER 19, 1939. Class 42.

373,110. INSERTS FOR IDENTIFYING OR MARKING STRIPS FOR MARKING OR IDENTIFYING FOOD PRODUCTS AND PARTICULARLY FOR USE WITH CASINGS FOR FOOD PRODUCTS. FREEMAN, INCORPORATED, Chicago, Ill.
Filed August 8, 1938. Serial No. 409,351. PUBLISHED SEPTEMBER 12, 1939. Class 38.

373,111. CHEMICAL HEATING APPLIANCE TO BE USED AS A HOT WATER BOTTLE. BRYCE W. QUICK, Baltimore, Md.
Filed September 13, 1938. Serial No. 410,520. PUBLISHED SEPTEMBER 19, 1939. Class 44.

373,112. CLEANER FOR VENETIAN BLINDS AND PAINTED AND VARNISHED SURFACES, AND THE LIKE. BLIND-X COMPANY, Minneapolis, Minn.
Filed September 17, 1938. Serial No. 410,679. PUBLISHED SEPTEMBER 19, 1939. Class 4.

373,113. BEER AND ALE. IROQUOIS BEVERAGE CORPORATION, Buffalo, N. Y.
Filed October 1, 1938. Serial No. 411,167. PUBLISHED SEPTEMBER 19, 1939. Class 48.

373,114. KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—TO WIT, CAN OPENERS AND CAP LIFTERS. THE EDWARD KATZINGER COMPANY, Chicago, Ill.
Filed October 3, 1938. Serial No. 411,226. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,115. ELECTRICALLY ILLUMINATED HOUSE NUMBERS. MILTON WISHNY, doing business as The Wish Manufacturing Company, Los Angeles, Calif.
Filed October 22, 1938. Serial No. 411,980. PUBLISHED SEPTEMBER 19, 1939. Class 21.

373,116. BRACELETS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed October 27, 1938. Serial No. 412,092. PUBLISHED JANUARY 31, 1939. Class 28.

373,117. BABY CHICKS. FLEMING SPECIALTY COMPANY, Roanoke, Va.
Filed October 29, 1938. Serial No. 412,278. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,118. ELECTRIC CONTROL FOR CONTROLLING THE STEAMING TIME IN ACCORD WITH A PREDETERMINED SETTING, IN HAIR-WAVING OPERATIONS. FAIRBANKS BEAUTY SUPPLY COMPANY, Salt Lake City, Utah.
Filed December 15, 1938. Serial No. 413,863. PUBLISHED SEPTEMBER 19, 1939. Class 26.

373,119. FEEDS FOR CARNIVOROUS, HERBIVOROUS, AND OMNIVOROUS ANIMALS, PARTICULARLY FEEDS FOR CATTLE, CALVES, SWINE, POULTRY, DOGS, RABBITS, SHEEP, FOXES, AND GOATS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed January 6, 1939. Serial No. 414,562. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,120. RAZOR BLADES. CHILD HAROLD WILLS, Detroit, Mich.
Filed January 12, 1939. Serial No. 414,761. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,121. SACKED STUCCO REFINISHING CONSTRUCTION MATERIAL IN THE FORM OF PORTLAND CEMENT PLASTER. ARTHUR H. WESTIN, doing business as Westin House Contracting Co., Chicago, Ill.
Filed January 13, 1939. Serial No. 414,810. PUBLISHED SEPTEMBER 19, 1939. Class 12.

373,122. CANNED BOUILLEBAISE, CLAM CHOWDER, AND FISH CHOWDER. THE BEACON, INC., Hyannis, Mass.
Filed February 8, 1939. Serial No. 415,759. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,123. TABLEWARE WITH METAL DISPENSING CLOSURES. NA-MAC PRODUCTS CORPORATION, Los Angeles, Calif.
Filed February 11, 1939. Serial No. 415,959. PUBLISHED SEPTEMBER 19, 1939. Class 13.

373,124. TEA AND COFFEE. CANOVA FOODS INCORPORATED, Memphis, Tenn.
Filed February 13, 1939. Serial No. 415,976. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,125. LUBRICATING OIL. WORTHINGTON OIL REFINERS, INC., Arlington, Va.
Filed February 15, 1939. Serial No. 416,087. PUBLISHED SEPTEMBER 12, 1939. Class 15.

373,126. FERROUS AND NON-FERROUS METALS AND METAL ALLOYS AND ARTICLES OF MANUFACTURE MADE THEREFROM—NAMELY, WIRE, METAL STRIP, AND METAL SHEETS. ALLEGHENY LUDLUM STEEL CORPORATION, Brackenridge and Pittsburgh, Pa.
Filed February 24, 1939. Serial No. 416,357. PUBLISHED SEPTEMBER 19, 1939. Class 14.

373,127. WHISKY. DUNCAN WESTON & COMPANY LIMITED, London, England.
Filed March 3, 1939. Serial No. 416,645. PUBLISHED SEPTEMBER 19, 1939. Class 49.

373,128. REFRACTORY TAP HOLE CEMENT OR MIXTURE. THE STANDARD LIME AND STONE COMPANY, Baltimore, Md.
Filed March 4, 1939. Serial No. 416,707. PUBLISHED MAY 2, 1939. Class 12.

373,129. PERIODICAL. AMERICAN MUTUAL LIABILITY INSURANCE CO., Boston, Mass.
Filed March 9, 1939. Serial No. 416,828. PUBLISHED SEPTEMBER 12, 1939. Class 38.

373,130. CANNED FRUITS, CANNED VEGETABLES, CANNED CITRUS JUICES FOR FOOD PURPOSES, BREAD, TEA, COFFEE, ETC. H. E. BUTT GROCERY COMPANY, Harlingen, Tex.
Filed March 11, 1939. Serial No. 416,945. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,131. FACE CREAM, ANALGESIC BALM, HEADACHE AND NEURALGIA PREPARATIONS, ANTISEPTIC POULTICES, ETC. VADSCO SALES CORPORATION, Long Island City, N. Y.
Filed March 16, 1939. Serial No. 417,150. PUBLISHED AUGUST 1, 1939. Class 6.

373,132. SERIES OF PUBLICATIONS, MAGAZINE ARTICLES, SERIES OF LITERARY AND ARCHITECTURAL PUBLICATIONS ISSUED AT IRREGULAR INTERVALS. FREDERICK J. KIESLER, New York, N. Y.
Filed March 18, 1939. Serial No. 417,223. PUBLISHED SEPTEMBER 12, 1939. Class 38.

373,133. PUZZLES. JOHN M. SCANLAN, New York, N. Y.
Filed March 18, 1939. Series No. 417,236. PUBLISHED SEPTEMBER 19, 1939. Class 22.

373,134. ACID NEUTRALIZER PREPARATION FOR THE TREATMENT OF GAS CAUSED BY ACID INDIGESTION, SOUR STOMACH, EXCESS ACID, ETC. GUSTAVE PELLEGRINO, doing business as Rumo-Digest Mfg. Co., New York, N. Y.
Filed March 29, 1939. Serial No. 417,624. PUBLISHED JULY 4, 1939. Class 6.

373,135. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed March 30, 1939. Serial No. 417,662. PUBLISHED SEPTEMBER 19, 1939. Class 47.

373,136. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed March 30, 1939. Serial No. 417,663. PUBLISHED SEPTEMBER 19, 1939. Class 47.

373,137. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed March 30, 1939. Serial No. 417,664. PUBLISHED SEPTEMBER 19, 1939. Class 47.

373,138. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed March 30, 1939. Serial No. 417,667. PUBLISHED SEPTEMBER 19, 1939. Class 47.

373,139. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed March 30, 1939. Serial No. 417,668. PUBLISHED SEPTEMBER 19, 1939. Class 47.

373,140. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed March 30, 1939. Serial No. 417,669. PUBLISHED SEPTEMBER 19, 1939. Class 47.

373,141. ELECTRIC APPARATUS FOR VARYING THE CURRENT INTENSITY IN A CONTROLLED CIRCUIT DEPENDENT UPON VARIATIONS OF RADIANT ENERGY AFFECTING A CONTROLLING CIRCUIT, SAID APPARATUS ADAPTED FOR USE WITH INDUSTRIAL EQUIPMENT INCLUDING SIGNALS, SAFETY APPLIANCES, COUNTERS, COMBUSTION SUPERVISORS, AUTOMATIC MOVEMENTS OR CONTROLS. PHOTOSWITCH INCORPORATED, Cambridge, Mass.
Filed April 5, 1939. Serial No. 417,889. PUBLISHED SEPTEMBER 19, 1939. Class 21.

373,142. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed April 10, 1939. Serial No. 418,074. PUBLISHED SEPTEMBER 19, 1939. Class 47.

373,143. FEVER THERMOMETERS. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed April 19, 1939. Serial No. 418,462. PUBLISHED SEPTEMBER 19, 1939. Class 44.

373,144. HYDRAULIC PRESSES, INJECTION MOLDING MACHINES, DIE CASTING MACHINES, AND HYDRAULIC PUMPS. THE HYDRAULIC PRESS MANUFACTURING COMPANY, Mount Gilead, Ohio.
Filed April 27, 1939. Serial No. 418,778. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,145. CANDIES. TERRY CANDY COMPANY, INC., Elizabeth, N. J.
Filed April 29, 1939. Serial No. 418,904. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,146. HIGH CARBON SPRING WIRE. EKSTRAND & THOLAND, INC., New York, N. Y.
Filed May 11, 1939. Serial No. 419,295. PUBLISHED SEPTEMBER 19, 1939. Class 14.

373,147. CHOCOLATES; CONFECTIONERY—NAMELY, CANDY, BONBONS, CARAMELS, AND TOFFEES; BISCUITS, BREAD, AND PASTRY. CHOCOLATERIE JACQUES SOCIÉTÉ ANONYME, Verviers and Eupen, Belgium.
Filed May 13, 1939. Serial No. 419,369. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,148. TOOTH BRUSHES AND PARTS THEREOF. TRU-BRISTLE BRUSH CO., INC., Seattle, Wash.
Filed May 17, 1939. Serial No. 419,532. PUBLISHED SEPTEMBER 19, 1939. Class 29.

373,149. FLUID OPERATING MACHINES COMPRISING POWER DRIVEN PUMPS AND VALVES ADAPTED TO PUMP FLUID FROM A FLUID RESERVOIR AND DELIVER THE FLUID UNDER THE CONTROL OF THE VALVES TO A CONNECTED WORK DEVICE. LOGANSPORT MACHINE, INC., Logansport, Ind.
Filed May 20, 1939. Serial No. 419,618. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,150. LUBRICATING OILS AND GREASES. DRYER, CLARK & DRYER OIL COMPANY, Oklahoma City, Okla.
Filed May 22, 1939. Serial No. 419,661. PUBLISHED SEPTEMBER 19, 1939. Class 15.

373,151. WRITING PAPER, ENVELOPES, POST CARDS, AND GREETING CARDS. CLAUDE E. HARRIS, Jennings Lodge, Oreg.
Filed May 22, 1939. Serial No. 419,666. PUBLISHED SEPTEMBER 19, 1939. Class 37.

373,152. AUGER BITS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed May 22, 1939. Serial No. 419,669. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,153. ANIMAL FEEDS—NAMELY, POULTRY AND HOG FEEDS. NUTRENA MILLS, INC., Kansas City, Kans.
Filed May 24, 1939. Serial No. 419,743. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,154. PERIODICAL. REED STREET NEIGHBORHOOD HOUSE, Philadelphia, Pa.
Filed May 24, 1939. Serial No. 419,770. PUBLISHED SEPTEMBER 19, 1939. Class 38.

373,155. TOOL KITS CONTAINING TOOLS FOR REPAIRING AND RESHAPING VEHICLE BODIES. AUTO SPECIALTIES MANUFACTURING COMPANY, St. Joseph, Mich.
Filed May 27, 1939. Serial No. 419,905. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,156. ELECTROTHERAPEUTIC DEVICE IN THE NATURE OF A PORTABLE CASE CONTAINING A BATTERY, A VIBRATOR, ETC. THOMAS J. CURTIS, Los Angeles, Calif.
Filed May 27, 1939. Serial No. 419,909. PUBLISHED SEPTEMBER 19, 1939. Class 44.

373,157. SUGAR-COATED NUTS. STOS, INC., Belleville, Ill.
Filed May 31, 1939. Serial No. 420,030. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,158. CIRCULARS, BOOKLETS, AND PRINTED ADVERTISING MATERIAL SOLD AS SUCH TO THE ELECTRICAL INDUSTRY. ASHTON B. COLLINS, Birmingham, Ala.
Filed June 2, 1939. Serial No. 420,092. PUBLISHED SEPTEMBER 12, 1939. Class 38.

373,159. PERIODICAL MAGAZINES, PAMPHLETS PUBLISHED FROM TIME TO TIME AND CONTAINING COST AND ESTIMATING DATA, ETC. THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC., Washington, D. C.
Filed June 3, 1939. Serial No. 420,129. PUBLISHED SEPTEMBER 19, 1939. Class 38.

373,160. WOOLEN AND WORSTED FABRICS IN THE PIECE. BOTANY WORSTED MILLS, Passaic, N. J.
Filed June 5, 1939. Serial No. 420,203. PUBLISHED SEPTEMBER 19, 1938. Class 42.

373,161. RUGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 10, 1939. Serial No. 420,366. PUBLISHED SEPTEMBER 12, 1939. Class 42.

373,162. RUGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 10, 1939. Serial No. 420,367. PUBLISHED SEPTEMBER 19, 1939. Class 42.

373,163. BUTTERED POPPED POPCORN. CHAS. HEFLEY, doing business as Chas. Hefley Popcorn Products, Los Angeles, Calif.
Filed June 10, 1939. Serial No. 420,373. PUBLISHED SEPTEMBER 5, 1939. Class 46.

373,164. PLYWOOD, INSULATING BOARD, AND WALL BOARD. I. F. LAUCKS, INC., Seattle, Wash.
Filed June 12, 1939. Serial No. 420,419. PUBLISHED AUGUST 29, 1939. Class 12.

373,165. BAFFLE AND SCREEN TYPE WINDOW AND WALL VENTILATORS. OTTO KUBATZKY, doing business as Winco Ventilator Co., St. Louis, Mo.
Filed June 13, 1939. Serial No. 420,459. PUBLISHED SEPTEMBER 19, 1939. Class 34.

373,166. KIT CONTAINING A VARIETY OF MATERIALS FOR IMPROVING NEGATIVES AND RETOUCHING PHOTOGRAPHIC PLATES AND PRINTS. OXFORD PRODUCTS CO., Beverly Hills, Calif.
Filed June 14, 1939. Serial No. 420,496. PUBLISHED SEPTEMBER 19, 1939. Class 26.

373,167. JAR RINGS. UNITED BUYERS CORPORATION, Chicago, Ill.
Filed June 15, 1939. Serial No. 420,550. PUBLISHED SEPTEMBER 19, 1939. Class 35.

373,168. LABORATORY APPARATUS AND APPLIANCES—NAMELY, ELECTRIC WARMING TABLES, ELECTRIC WATER BATHS, ETC. STANDARD SCIENTIFIC SUPPLY CORP., New York, N. Y.
Filed June 16, 1939. Serial No. 420,603. PUBLISHED SEPTEMBER 19, 1939. Class 26.

373,169. WATERPROOFING COMPOSITION—NAMELY, WALL PRIMERS AND SEALERS. THE PAINTSAVER CORP., New York, N. Y.
Filed June 19, 1939. Serial No. 420,685. PUBLISHED SEPTEMBER 19, 1939. Class 16.

373,170. MACHINE FOR CLEANING WALLS OF THE TYPE COMPRISING MEANS: FOR SPREADING A DETERGENT LIQUID, AND MEANS FOR SPREADING A RINSING LIQUID. WALL WASHING MACHINES, INC., Conshohocken, Pa.
Filed June 19, 1939. Serial No. 420,704. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,171. COMPOUND FOR CLEANING PAINTED SURFACES. WALL WASHING MACHINES, INC., Conshohocken, Pa.
Filed June 19, 1939. Serial No. 420,705. PUBLISHED SEPTEMBER 19, 1939. Class 4.

373,172. SHIRTINGS AND PYJAMA CLOTHS, ALL BEING PIECE GOODS COMPOSED WHOLLY OR MAINLY OF COTTON. WILLIAM YATES AND SONS, LIMITED, Manchester, England.
Filed June 19, 1939. Serial No. 420,706. PUBLISHED SEPTEMBER 19, 1939. Class 42.

373,173. SHIRTINGS AND PYJAMA CLOTHS, ALL BEING COTTON PIECE GOODS. WILLIAM YATES AND SONS, LIMITED, Manchester, England.
Filed June 19, 1939. Serial No. 420,707. PUBLISHED SEPTEMBER 19, 1939. Class 42.

373,174. POT ROAST OF BEEF. SWIFT AND COMPANY, Chicago, Ill.
Filed June 20, 1939. Serial No. 420,731. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,175. UNITARY ELECTRIC LIGHTING FIXTURES. GOODRICH ELECTRIC COMPANY, Chicago, Ill.
Filed June 21, 1939. Serial No. 420,759. PUBLISHED SEPTEMBER 19, 1939. Class 21.

373,176. SCOOPS, COOKIE CUTTERS, AND SPOONS. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn.
Filed June 22, 1939. Serial No. 420,803. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,177. CHEESE. WINNEBAGO CHEESE COMPANY, Fond du Lac, Wis.
Filed June 22, 1939. Serial No. 420,837. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,178. PREPARATION FOR USE IN CONNECTION WITH THE BLEACHING OF HAIR. CLAIROL, INC., New York, N. Y.
Filed June 24, 1939. Serial No. 420,893. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,179. WINES. THE GLOBE DISTRIBUTING COMPANY, Baltimore, Md.
Filed June 24, 1939. Serial No. 420,905. PUBLISHED SEPTEMBER 19, 1939. Class 47.

373,180. ELECTRIC FANS. REYNOLDS ELECTRIC COMPANY, Chicago, Ill.
Filed June 24, 1939. Serial No. 420,915. PUBLISHED SEPTEMBER 19, 1939. Class 21.

373,181. MEAT AND CHEESE LOAF. ARMOUR AND COMPANY, Chicago, Ill.
Filed June 26, 1939. Serial No. 420,928. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,182. VELVET AND LACE PIECE GOODS. J. S. DONALDSON, INC., New York, N. Y.
Filed June 26, 1939. Serial No. 420,943. PUBLISHED SEPTEMBER 19, 1939. Class 42.

373,183. CAKE. NEW WARSAW BAKERY CO. INC., New York, N. Y.
Filed June 26, 1939. Serial No. 420,964. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,184. BLUE CHEESE. JOHANNES CARL CHRISTIAN KYED, Nordfyn, Beldringe, Fyn, Denmark.
Filed June 27, 1939. Serial No. 420,999. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,185. BLUE CHEESE. JOHANNES CARL CHRISTIAN KYED, Nordfyn, Beldringe, Fyn, Denmark.
Filed June 27, 1939. Serial No. 421,000. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,186. STORAGE BATTERIES AND DRY BATTERIES AND PARTS THEREOF. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.
Filed October 24, 1938. Serial No. 412,017. PUBLISHED JULY 11, 1939. Class 21.

373,187. PERIODICAL PUBLICATION. FOX PUBLICATIONS, INC., New York, N. Y.
Filed June 28, 1939. Serial No. 421,033. PUBLISHED SEPTEMBER 12, 1939. Class 38.

373,188. KNIVES, SUCH AS PARING KNIVES, CARVING KNIVES, KITCHEN KNIVES. GRAEF & SCHMIDT, INC., New York, N. Y.
Filed June 29, 1939. Serial No. 421,083. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,189. FANCY PATENT WHEAT FLOUR, YELLOW CORN MEAL, FARINA, GRAHAM FLOUR, WHOLE WHEAT FLOUR, RYE FLOUR, ROLLED OATS, LAYING MASH, CHICK STARTER, TURKEY STARTER, DEVELOPING FEED, AND GROWER MASH. F. H. PEAVEY & COMPANY, Minneapolis, Minn., doing business as Thief River Falls Seed House, Thief River Falls, Minn.
Filed June 30, 1939. Serial No. 421,157. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,190. AIR QUENCHING COOLERS IN THE FORM OF SEPARATE UNITS OR INTEGRAL WITH ROTARY KILNS. F. L. SMIDTH & Co., New York, N. Y.
Filed June 30, 1939. Serial No. 421,164. PUBLISHED SEPTEMBER 19, 1939. Class 34.

373,191. WHISKEY. MACPHERSON & COMPANY, San Francisco, Calif., assignor to H. C. Macpherson, San Francisco, Calif.
Filed July 1, 1939. Serial No. 421,190. PUBLISHED SEPTEMBER 19, 1939. Class 49.

373,192. FRIED HOG SKINS. PORK SKIN CHIPS COMPANY, INC., Dallas, Tex.
Filed July 3, 1939. Serial No. 421,253. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,193. CANNED CORN. CROWN CAN COMPANY, Philadelphia, Pa.
Filed July 6, 1939. Serial No. 421,303. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,194. HIGH CHAIR PADS, CRIB PADS, PLAY YARD PADS, WEIGHING SCALE PADS, LAP PADS, BEDSPREADS, QUILTS, CARRIAGE COVERS MADE OF KNITTED, NETTED, TEXTILE, OR RUBBERIZED FABRIC. BEST & CO. INC., New York, N. Y.
Filed July 7, 1939. Serial No. 421,338. PUBLISHED SEPTEMBER 19, 1939. Class 42.

373,195. LACQUERS AND LACQUERS IN COLORS. HERMETITE CORPORATION, Nutley, N. J.
Filed July 8, 1939. Serial No. 421,381. PUPLISHED SEPTEMBER 19, 1939. Class 16.

373,196. PERIODICAL PUBLISHED FROM TIME TO TIME FOR TRUCK DRIVERS AND THE LIKE. ARTHUR J. THOMA, Springfield, Mass.
Filed July 8, 1939. Serial No. 421,401. PUBLISHED SEPTEMBER 12, 1939. Class 38.

373,197. ROLL ROOFING. ARTIC ROOFINGS, INC., Edge Moor, Del.
Filed July 12, 1939. Serial No. 421,470. PUBLISHED SEPTEMBER 12, 1939. Class 12.

373,198. BLENDED WHISKEY, STRAIGHT BOURBON WHISKEY, PENNSYLVANIA STRAIGHT RYE WHISKEY, BONDED STRAIGHT BOURBON WHISKEY, AND DISTILLED LONDON DRY GIN. PENNSYLVANIA DISTILLING COMPANY, INC., Logansport, Pa.
Filed July 13, 1939. Serial No. 421,530. PUBLISHED SEPTEMBER 19, 1939. Class 49.

373,199. PATCHING PLASTER. SIMS & DURHAM COMPANY, Birmingham, Ala.
Filed July 14, 1939. Serial No. 421,585. PUBLISHED SEPTEMBER 12, 1939. Class 12.

373,200. GREETING CARDS. NORCROSS, New York, N. Y.
Filed July 15, 1939. Serial No. 421,614. PUBLISHED SEPTEMBER 19, 1939. Class 38.

373,201. WHISKY. MORAND BROS. BEVERAGE CO., Chicago, Ill.
Filed July 18, 1939. Serial No. 421,709. PUBLISHED SEPTEMBER 19, 1939. Class 49.

373,202. VISIBLE INDEXES, LOOSE LEAF BINDERS, INDEX CARDS AND SHEETS, AND INDEX CARD HOLDERS. REMINGTON RAND INC., Buffalo, N. Y.
Filed July 18, 1939. Serial No. 421,713. PUBLISHED SEPTEMBER 19, 1939. Class 37.

373,203. ANISETTE. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 18, 1939. Serial No. 421,719. PUBLISHED SEPTEMBER 19, 1939. Class 49.

373,204. LOOSE-LEAF BINDERS. NATIONAL PUBLISHING COMPANY, Philadelphia, Pa.
Filed July 19, 1939. Serial No. 421,743. PUBLISHED SEPTEMBER 19, 1939. Class 37.

373,205. VEHICLE TIRES. WALTER E. TRULL, Boston, Mass.
Filed July 19, 1939. Serial No. 421,752. PUBLISHED SEPTEMBER 19, 1939. Class 35.

373,206. BULLETIN ISSUED WEEKLY. BAY STATE MILLING CO., Winona, Minn.
Filed July 20, 1939. Serial No. 421,757. PUBLISHED SEPTEMBER 19, 1939. Class 38.

373,207. CANNED CORN. CROWN CAN COMPANY, Philadelphia, Pa.
Filed July 20, 1939. Serial No. 421,765. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,208. HORSE RADISH WITH WHITE DISTILLED VINEGAR. GOOD BROTHERS, INC., Philadelphia, Pa.
Filed July 20, 1939. Serial No. 421,773. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,209. POULTRY FEED. W. J. LAWTHER MILLS, Dallas, Tex.
Filed July 20, 1939. Serial No. 421,780. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,210. READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. AULT & WIBORG CORPORATION, Cincinnati, Ohio, and New York, N. Y.
Filed July 22, 1939. Serial No. 421,836. PUBLISHED SEPTEMBER 19, 1939. Class 16.

373,211. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 22, 1939. Serial No. 421,868. PUBLISHED SEPTEMBER 19, 1939. Class 49.

373,212. ELECTRIC LIGHTING FIXTURES FOR HOUSEHOLD AND COMMERCIAL INSTALLATIONS. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 24, 1939. Serial No. 421,877. PUBLISHED SEPTEMBER 19, 1939. Class 21.

373,213. SWIMMING, BATHING, AND FLOATING DEVICES COMPRISING BODY-SUPPORTING BELTS OR LIFE PRESERVERS. JOE L. JACKICH, Bend, Oreg.
Filed July 25, 1939. Serial No. 421,938. PUBLISHED SEPTEMBER 19, 1939. Class 22.

373,214. MONTHLY PUBLICATION, DEVOTED TO TRANSPORTATION. THE NATIONAL TRANSPORTATION ASSOCIATION, INC., New York, N. Y.
Filed July 25, 1939. Serial No. 421,943. PUBLISHED SEPTEMBER 19, 1939. Class 38.

373,215. ELECTRIC ARC LAMPS AND PARTS THEREOF, AND POWER SOURCES AND SUPPLIES THEREFOR—NAMELY, MOTORS, TRANSFORMERS, SWITCHES, ARC CARBONS, AND FREQUENCY CHANGERS. C. S. ASHCRAFT MANUFACTURING CORPORATION, Long Island City, N. Y.
Filed July 26, 1939. Serial No. 421,958. PUBLISHED SEPTEMBER 19, 1939. Class 21.

373,216. RAZOR BLADES. INTERNATIONAL SAFETY RAZOR CORPORATION, Bloomfield, N. J.
Filed July 26, 1939. Serial No. 421,970. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,217. ELECTRIC FLOOR, BOUDOIR, AND TABLE LAMPS. MAX LAGER, doing business as Regal Lamp Shade Company, New York, N. Y.
Filed July 26, 1939. Serial No. 421,974. PUBLISHED SEPTEMBER 19, 1939. Class 21.

373,218. PORTABLE SANDING MACHINES. SKILSAW, INC., Chicago, Ill.
Filed July 27, 1939. Serial No. 422,022. PUBLISHED SEPTEMBER 19, 1939. Class 23.

373,219. MAGAZINE. THE SOUTHERN SPORTSMAN COMPANY, Austin, Tex.
Filed July 27, 1939. Serial No. 422,023. PUBLISHED SEPTEMBER 19, 1939. Class 38.

373,220. GIN. KELLY BROTHERS COMPANY, Minneapolis, Minn.
Filed July 29, 1939. Serial No. 422,097. PUBLISHED SEPTEMBER 19, 1939. Class 49.

373,221. FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES. D. C. LEE, INC., Thonotosassa, Fla.
Filed July 29, 1939. Serial No. 422,098. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,222. FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES. D. C. LEE, INC., Thonotosassa, Fla.
Filed July 29, 1939. Serial No. 422,099. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,223. PLATES TO BE PLACED IN THE HEELS OF SHOES FOR CONTACT WITH THE HEELS OF THE WEARERS FOR POSSIBLE THERAPEUTIC EFFECT. NAOLEK COMPANY, Herrin, Ill.
Filed July 29, 1939. Serial No. 422,100. PUBLISHED SEPTEMBER 19, 1939. Class 44.

373,224. PRINTED PUBLICATIONS ISSUED ANNUALLY. SUPPLEE-BIDDLE HARDWARE CO., Philadelphia, Pa.
Filed July 31, 1939. Serial No. 422,114. PUBLISHED SEPTEMBER 19, 1939. Class 38.

373,225. CHAIRS AND THE LIKE UPHOLSTERED FURNITURE. SUPERIOR SLEEPRITE CORPORATION, Chicago, Ill.
Filed July 31, 1939. Serial No. 422,160. PUBLISHED SEPTEMBER 19, 1939. Class 32.

373,226. FRESH CITRUS FRUIT. BRADFORD BROS., INC., Placentia, Calif.
Filed August 1, 1939. Serial No. 422,167. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,227. MACHINELESS PERMANENT WAVING PADS. LE ROY GORDON BEAUTY SALON, Hollywood, Calif.
Filed August 1, 1939. Serial No. 422,175. PUBLISHED SEPTEMBER 19, 1939. Class 44.

373,228. WHISKEY. JULIUS LOESER & CO., INC., Chicago, Ill.
Filed August 3, 1939. Serial No. 422,253. PUBLISHED SEPTEMBER 19, 1939. Class 49.

373,229. GOLF CLUBS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed August 3, 1939. Serial No. 422,261. PUBLISHED SEPTEMBER 19, 1939. Class 22.

373,230. MUSICAL GAME. IDEAL NOVELTY & TOY COMPANY, Long Island City, N. Y.
Filed August 4, 1939. Serial No. 422,285. PUBLISHED SEPTEMBER 19, 1939. Class 22.

373,231. MATTRESSES, BOX SPRINGS, SOFAS, AND CHAIRS. S. KARPEN & BROS., Chicago, Ill.
Filed August 4, 1939. Serial No. 422,286. PUBLISHED SEPTEMBER 19, 1939. Class 32.

373,232. FRESH VEGETABLES. AL MASSERA, Watsonville, Calif.
Filed August 5, 1939. Serial No. 422,339. PUBLISHED SEPTEMBER 19, 1939. Class 46.

373,233. TABLES. KAPLAN FURNITURE COMPANY, Cambridge, Mass.
Filed August 8, 1939. Serial No. 422,409. PUBLISHED SEPTEMBER 19, 1939. Class 32.

373,234. ELECTRICAL HEARING DEVICES FOR AIDING HEARING, AND PARTS, SUPPLIES, AND ACCESSORIES FOR SUCH DEVICES, ETC. VACOLITE COMPANY, Dallas, Tex.
Filed August 8, 1939. Serial No. 422,429. PUBLISHED SEPTEMBER 19, 1939. Class 44.

373,235. ELECTRICAL HEARING DEVICES FOR AIDING HEARING, AND PARTS, SUPPLIES, AND ACCESSORIES FOR SUCH DEVICES, ETC. VACOLITE COMPANY, Dallas, Tex.
Filed August 8, 1939. Serial No. 422,431. PUBLISHED SEPTEMBER 19, 1939. Class 44.

373,236. PNEUMATIC TIRES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed August 10, 1939. Serial No. 422,471. PUBLISHED SEPTEMBER 19, 1939. Class 35.

373,237. RUM. J. R. NIEVES & CIA., Arroyo, P. R.
Filed August 11, 1939. Serial No. 422,516. PUBLISHED SEPTEMBER 19, 1939. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

373,238. (CLASS 39. CLOTHING.) RELIANCE MANUFACTURING COMPANY, doing business as The Sterling Company, Chicago, Ill. Filed June 22, 1936. Serial No. 380,076.

a Sterling Creation

For Ladies' Dresses and Pajamas.
Claims use since August, 1935.

373,239. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) J. F. JELENKO & CO. INC., New York, N. Y. Filed June 8, 1937. Serial No. 393,810.

"SLIM-STRIP"

For Gold Solder.
Claims use since Mar. 1, 1937.

373,240. (CLASS 38. PRINTS AND PUBLICATIONS.) THEODORE J. HAMMERSTEIN, New York, N. Y. Filed Aug. 4, 1937. Serial No. 395,990.

"HAMMERSTEIN'S MUSIC HALL"

For Periodical Continuities and Program Skits for Radio Stations Sold as a Publication in Interstate Commerce.
Claims use since July 30, 1937.

373,241. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) GIMBEL BROTHERS, INC., New York, N. Y. Filed October 26, 1937. Serial No. 398,965.

Big Apple

For Brandy.
Claims use since Sept. 19, 1937.

373,242. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ST. LOUIS MUSIC SUPPLY COMPANY, St. Louis, Mo. Filed Jan. 21, 1938. Serial No. 402,205.

RENÉ DUMONT

For Guitars, Mandolins, Tenor Banjos, Ukuleles, Bass Violins, Tiples, and Violins; String Instrument Accessories as Follows: Bridges, Guards, Tuners, Picks, Tailpieces, Pegs, Steels, Mutes, Nuts, Bows, Chinrests, Bow Hair, and Strings; Trumpets, Trombones, Cornets, Mellophones, Baritones, Sousaphones, Altos, Saxophones, Clarinets, Flutes, Piccolos, Oboes, and Bassoons; Band Instrument Accessories as Follows: Mouthpieces and Mutes; Woodwind Accessories as Follows: Mouthpieces and Reeds; Piano Accordions, Harmonicas, Bugles, Drums, Drum Heads, Phonographs, Phonograph Needles, Phonograph Reproducers, Jaw Harps, Ocarinas and Batons.
Claims use since June 1, 1929.

373,243. (CLASS 12. CONSTRUCTION MATERIALS.) GENERAL INSULATING & MFG. CO., Alexandria, Ind. Filed May 19, 1938. Serial No. 406,510.

ROLLBAT

For Insulation for Ceilings and Walls of Houses.
Claims use since January 1, 1937.

373,244. (CLASS 39. CLOTHING.) DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed August 12, 1938. Serial No. 409,512.

BEAUTISPUN

For Ladies' Underwear, Pajamas, Nightgowns, and Dresses.
Claims use since July 1, 1938.

373,245. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RECTOR WELL EQUIPMENT CO., INC., Fort Worth, Tex. Filed Aug. 12, 1938. Serial No. 409,537.

RECTORHEAD

For Oil Well Devices, Particularly Casing and Tubing Heads and Supports.
Claims use since Oct. 1, 1931.

373,246. (CLASS 12. CONSTRUCTION MATERIALS.) RECTOR WELL EQUIPMENT CO., INC., Fort Worth, Tex. Filed Aug. 12, 1938. Serial No. 409,538.

RECTORSEAL

For Liquid Thread Fillers and Sealing Compounds which Remain Plastic and May be Applied as a Sealing or Coating Means to Pipe Threads, Tank Walls and the Like.
Claims use since April 1, 1938.

373,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS K. JESSOP, Akron, Ohio. Filed Aug. 25, 1938. Serial No. 409,969.



For Candy Bars.
Claims use since Aug. 22, 1938.

373,248. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) NATIONAL SILVER COMPANY, New York, N. Y. Filed Aug. 27, 1938. Serial No. 410,042.



For Sterling Silver and Silver Plated Flatware, Hollow Ware and Tableware.
Claims use since Aug. 17, 1938.

373,249. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Sept. 22, 1938. Serial No. 410,866.

HI-SPEED

For Cultivator Shovels.
Claims use since Aug. 30, 1938.

373,250. (CLASS 39. CLOTHING.) HART, SCHAFFNER & MARX, Chicago, Ill. Filed Oct. 8, 1938. Serial No. 411,411.

Coldstream

For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Oct. 3, 1938.

373,251. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LISA ALBERT, doing business as L. Albert Co., New York, N. Y. Filed Oct. 31, 1938. Serial No. 412,208.

Luster-Rug

For Cotton Floor Covering.
Claims use since Sept. 21, 1938.

373,252. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. LOWENSTEIN & SONS, INC., New York, N. Y. Filed Nov. 4, 1938. Serial No. 412,380.

WE - AMERICANS

For Cotton and Rayon Piece Goods.
Claims use since Oct. 7, 1938.

373,253. (CLASS 39. CLOTHING.) NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Nov. 5, 1938. Serial No. 412,419.

Sheerfine

For Hosiery.
Claims use since Aug. 20, 1938.

373,254. (CLASS 39. CLOTHING.) NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Nov. 5, 1938. Serial No. 412,420.

Shurfine

For Hosiery.
Claims use since Aug. 20, 1938.

373,255. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) H. A. LE MASTER, Bradley, Ill. Filed Nov. 19, 1938. Serial No. 412,975.

THE SHINER MINNOW

H. A. LeMASTER

For Artificial Bait and/or Fish Lures.
Claims use since April, 1937.

373,256. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Nov. 19, 1938. Serial No. 412,986.

LADD'S

For Men's Toiletries Including After Shaving Lotion, Hair and Scalp Treatment, Talcum Powder, Shaving Cream.
Claims use since Aug. 5, 1938.

373,257. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON RUBBER MFG. COMPANY, Dayton, Ohio. Filed Nov. 25, 1938. Serial No. 413,114.

Dayton
Blue Label

For Loom Supplies Including Pickers, Holdups, Lug Straps, Bunters, and Bumpers.
Claims use since July 6, 1938.

373,258. (CLASS 12. CONSTRUCTION MATERIALS.) DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash. Filed Dec. 21, 1938. Serial No. 414,058.

PLYPANEL

For Plywood.
Claims use since Sept. 27, 1932.

373,259. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NEW ERA OPTICAL COMPANY, also doing business as Midland Optical Company, Chicago, Ill. Filed Jan. 16, 1939. Serial No. 414,886.



For Sun Glasses.
Claims use since Aug. 25, 1938.

373,260. (CLASS 12. CONSTRUCTION MATERIALS.) THE STANDARD LIME AND STONE COMPANY, Baltimore, Md. Filed Mar. 4, 1939. Serial No. 416,709.

STASET

For Refractory Material for Use in Metallurgical Furnaces and the Like.
Claims use since Sept. 23, 1938.

373,261. (CLASS 38. PRINTS AND PUBLICATIONS.) CONTINENTAL BAKING COMPANY, New York, N. Y. Filed Mar. 6, 1939. Serial No. 416,721.

PRETTY KITTY KELLEY

For Scripts for a Series of Commercial Radio Broadcasts Sold as a Publication in Trade.
Claims use since Mar. 8, 1937.

373,262. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) S. H. KRESS AND COMPANY, New York, N. Y. Filed Mar. 11, 1939. Serial No. 416,959.

BEVERLY

For Tea Spoons, Table Spoons, Dessert Spoons, Soup Spoons, Sugar Spoons, Iced Tea Spoons, Baby Spoons, After Dinner Coffee Spoons, Butter Spreaders, Butter Knives, Dinner Knives, Salad Forks, Dinner Forks, and Dessert Forks, All Made of, or Plated With, Precious Metal.
Claims use since Aug. 5, 1938.

373,263. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ROY M. HOLLIDAY, Chicago, Ill. Filed Apr. 10, 1939. Serial No. 418,041.

HANDY

For Magnifying Glass Adapted for Use in Reading, Engraving, Needle Work, Etc.
Claims use since October, 1934.

373,264. (CLASS 38. PRINTS AND PUBLICATIONS.) AMY COX, doing business as Snap Shot Shop, Rochester, N. Y. Filed Apr. 17, 1939. Serial No. 418,330.

SNAP SHOT SHOP

For Photographs.
Claims use since Aug. 3, 1931.

373,265. (CLASS 38. PRINTS AND PUBLICATIONS.) JACOB SAPIRSTEIN, Cleveland, Ohio. Filed May 8, 1939. Serial No. 419,197.

American Greetings

For Greeting Cards.
Claims use since July 1, 1938.

373,266. (CLASS 12. CONSTRUCTION MATERIALS.) THE BOWERSTON SHALE COMPANY, Bowerston, Ohio. Filed May 20, 1939. Serial No. 419,607.

"BOSCO"

For Drain Tiles, Building Blocks, Filter Blocks, Brick, Wall Tile, Floor Tile, Sewer Pipe, Flues, Chimney Tops, and Wall Coping, All of the Foregoing Articles Being Made of Clay, Shale, or a Composition of Such Material.
Claims use since February, 1930.

373,267. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE LUMMUS COMPANY, New York, N. Y. Filed May 20, 1939. Serial No. 419,619.

LUMMUS

For Chemical and Petroleum Distillation and Refinery Apparatus—Namely, Heat Exchangers, Distillation Columns, Oil Heaters, and Homogenizers.
Claims use since Jan. 1, 1938, on homogenizers; since 1922 on oil heaters; since 1919 on petroleum refinery equipment; since 1900 on chemical refinery equipment.

373,268. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. F. DRAKE, Mercedes, Tex. Filed May 22, 1939. Serial No. 419,660.

Francis Drake's

For Canned Citrus Fruit Juices for Food Purposes, Fresh Citrus Fruits, and Fresh Vegetables.
Claims use since Jan. 1, 1938.

373,269. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IOWA SOAP COMPANY, Burlington, Iowa. Filed June 13, 1939. Serial No. 420,457.

STYLE

For Toilet Soap.
Claims use since Dec. 13, 1934.

373,270. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLYWOOD SERVICES, INCORPORATED, Chicago, Ill. Filed July 21, 1939. Serial No. 421,803.



For Bread.
Claims use since July 1, 1938.

373,271. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) SPEAR & SUSSKIND, Providence, R. I. Filed Aug. 23, 1939. Serial No. 422,914.

STETSON

For Watch Chains, Tie Chains, Key Chains, Watch Bracelets, Bracelets, Cuff Links, Scarf Pins, Necklaces, Lockets, Pendants, Collar Holders, Brooches, Finger Rings, Compacts, Wrist Watch Straps, Collar Buttons, Pins, Cigar Cases, and Cigarette Cases, All of the Foregoing Articles Being Made of or Plated in Whole or in Part With Precious Metal.
Claims use since Aug. 1, 1933.

373,272. (CLASS 39. CLOTHING.) CURRICK & LEIKEN CO. INC., New York, N. Y. Filed Aug. 31, 1939. Serial No. 423,164.

Rumson Tweed

For Sport Jackets, Sport Suits, Slacks, Waistcoats, Overcoats, Topcoats, and Suits for Men.
Claims use since Nov. 11, 1937.

373,273. (CLASS 10. FERTILIZERS.) YAKIMA VALLEY SPRAY COMPANY, Yakima, Wash. Filed Sept. 18, 1939. Serial No. 423,717.



For Fertilizers.
Claims use since April, 1937.

373,274. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J. Filed Sept. 19, 1939. Serial No. 423,745.

KAUFMANN

For Printers' Type.
Claims use since Sept. 15, 1936.

373,275. (CLASS 39. CLOTHING.) HENRY F. MARTINAT, Valdese, N. C. Filed Sept. 21, 1939. Serial No. 423,817.

MARTINAT

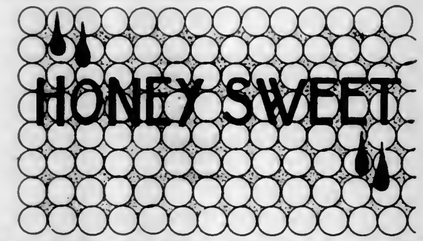
For Men's Hosiery.
Claims use since January, 1933.

373,276. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL LOCK CO., Rockford, Ill. Filed Sept. 21, 1939. Serial No. 423,825.

Rockford

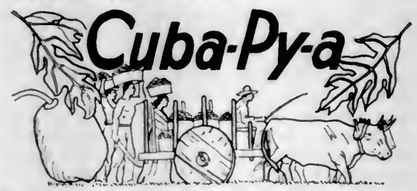
For Casters and Sash Pulleys.
Claims use since July, 1925.

373,277. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BLUE SEAL EXTRACT CO., Cambridge, Mass. Filed Oct. 7, 1939. Serial No. 424,291.



For Non-Alcoholic, Non-Cereal, Baitless Beverages, Sold as Soft Drinks and Sirups, and Extracts for Making the Same.
Claims use since Sept. 1, 1935.

373,278. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CUBA-PY-A PRODUCTS, INC., New York, N. Y. Filed Oct. 7, 1939. Serial No. 424,295.



For Non-Alcoholic, Non-Cereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since Sept. 1, 1938.

TRADE-MARK REGISTRATIONS RENEWED

125,149. **AUTOPOINT.** REFILLABLE PENCILS OF MAGAZINE AND NON-MAGAZINE TYPE AND LEADS THEREFOR. Registered April 15, 1919. CHARLES R. KEERAN, assignor to Keeran Products Company. Renewed April 15, 1939, to Autopoint Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

126,806. **PEKTABS.** A LAXATIVE. Registered September 30, 1919. GEORGIANA M. WHITCOMB. Renewed September 30, 1939, to Ellaline W. Chilvers, New York, N. Y., assignee.

127,162. **PROF. PEEKE'S.** A MEDICINAL PREPARATION FOR EPILEPSY, CONVULSIONS, AND SPASMS. Registered October 21, 1919. GEORGIANA M. WHITCOMB. Renewed October 21, 1939, to Ellaline W. Chilvers, New York, N. Y., assignee.

127,350. **NEW HOME.** ELECTRIC VACUUM-CLEANERS. Registered November 11, 1919. HENRY B. CARTER, Pittsburgh, Pa. Renewed November 11, 1939.

127,459. **TUB CORDUROY.** CORDUROY. Registered November 11, 1919. NEW YORK MILLS CORPORATION, New York Mills, N. Y. Renewed November 11, 1939, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware, assignee.

127,599. **FAMOUS.** MINERAL WATER. Registered November 18, 1919. ED. E. DISMUKE. Renewed November 18, 1939, to Famous Mineral Wells Water Co., Mineral Wells, Tex., a corporation of Texas, assignee.

127,833. **SUPERLAX.** A TONIC AND DIGESTIVE SYSTEM-CLEANER. Registered December 9, 1919. WILLIAM O. FRAILEY & SON, Lancaster, Pa. Renewed December 9, 1939, to International Laboratories, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments.

127,974. **LEATHOSWADE.** UNCOATED FABRICS, COTTON PIECE GOODS. Registered December 16, 1919. NEW YORK MILLS CORPORATION, New York Mills, N. Y. Renewed December 16, 1939, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware, assignee.

128,258. **LITTLE DOT.** CANNED VEGETABLES. Registered December 30, 1919. W. R. ROACH & Co., Hart, Mich. Renewed December 30, 1939, to W. R. Roach & Company, Grand Rapids, Mich., a corporation of Michigan.

128,259. **PRIDE OF MICHIGAN.** CANNED FRUIT AND CANNED VEGETABLES. Registered December 30, 1919. W. R. ROACH & Co., Hart, Mich. Renewed December 30, 1939, to W. R. Roach & Company, Grand Rapids, Mich., a corporation of Michigan.

128,260. **JUNIOR.** CANNED PEAS. Registered December 30, 1919. W. R. ROACH & Co., Hart, Mich. Renewed December 30, 1939, to W. R. Roach & Company, Grand Rapids, Mich., a corporation of Michigan.

128,299. **AN EAGLE.** SAFETY-PAPER. Registered January 6, 1920. THE BANKERS SUPPLY Co., Denver, Colo., and Chicago, Ill. Renewed January 6, 1940, to The Todd Company, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments.

128,632. **BLATCHFORD'S.** CERTAIN NAMED FEEDS FOR ANIMALS AND POULTRY. Registered January 13, 1920. BLATCHFORD CALF MEAL COMPANY, Waukegan, Ill., a corporation of Illinois. Renewed January 13, 1940.

128,814. **PARMOLINE.** HAIR-TONIC. Registered January 13, 1920. THE PARMOLINE Co. Renewed January 13, 1940, to Bernard Gallagher, doing business as The Parmoline Company, Richmond, Va., successor.

128,818. **A PHOENIX.** METAL CAPS FOR JARS OR BOTTLES. Registered January 13, 1920. PHOENIX-HERMETIC Co. Renewed January 13, 1940, to Phoenix Metal Cap Company, Inc., Chicago, Ill., a corporation of New York, by change of name.

128,961. **SOS.** A CLEANSER AND POLISH. Registered January 20, 1920. IRWIN W. COX. Renewed January 20, 1940, to The S. O. S. Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

129,490. **GETS-IT.** A REMEDY FOR CORNS, CALLOUSES, WARTS, BUNIONS, AND FOR ALLAYING INFLAMMATION OF THE SKIN. Registered February 24, 1920. E. LAWRENCE & Co. Renewed February 24, 1940, to Gets-It, Inc., Chicago, Ill., a corporation of Illinois, assignee.

129,491. **THESPIS.** COLD-CREAM. Registered February 24, 1920. LEHN & FINK, INC., New York, N. Y. Renewed February 24, 1940, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee.

129,516. **KLORIA.** ANTISEPTIC, DISINFECTING, AND DEODORIZING TABLETS. Registered February 24, 1920. WILLIAM H. NOLL, Fort Wayne, Ind. Renewed February 24, 1940.

129,651. **COLEO.** SOAPS. Registered March 9, 1920. COLGATE & Co., Jersey City, N. J., and New York, N. Y. Renewed March 9, 1940, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

129,800. **AMBESCOT.** COTTON BLANKETS. Registered March 9, 1920. NASHUA MANUF. COMPANY, Nashua, N. H. Renewed March 9, 1940, to Nashua Manufacturing Company, Nashua, N. H., and Boston, Mass., a corporation of New Hampshire.

130,025. **BRIDAL WREATH.** RINGS, BROOCHES, BAR-PINS, AND LAVALLIÈRES. Registered April 6, 1920. ABEL BROS. & Co. INC., New York, N. Y., a corporation of New York. Renewed April 6, 1940.

130,068. **HARTMANN.** TRUNKS. Registered April 6, 1920. HARTMANN TRUNK COMPANY, Racine, Wis., a corporation of Wisconsin. Renewed April 6, 1940.

130,119. **HAMPTON.** PIANOS, PIANO-PLAYERS, AND ORGANS. Registered April 6, 1920. STORY & CLARK PIANO COMPANY, Chicago, Ill., a corporation of Delaware. Renewed April 6, 1940.

130,151. **REGO.** CUTTING AND WELDING TORCHES AND PARTS THEREOF. Registered April 13, 1920. THE BASTIAN-BLESSING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 13, 1940.

130,401. **SAFEKOTE.** COMPOSITION ROOFING IN ROLLS AND COMPOSITION ROOFING SHINGLES. Registered April 20, 1920. SAFEPACK MILLS, Boston, Mass. Renewed April 20, 1940, to The Ruberoid Co., Bound Brook, N. J., and New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

130,443. **WHITING'S, ETC.** FINE WRITING-PAPER. Registered April 20, 1920. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed April 20, 1940.

130,444. **WHITING, ETC.** LEDGER-PAPER, BOND AND LINEN WRITING-PAPER, AND MAILING-ENVELOPS. Registered April 20, 1920. WHITING PAPER COMPANY, Holyoke, Mass. Renewed April 20, 1940.

130,511. **H.** WRENCHES, SCREW-DRIVERS, AND HAMMERS. Registered April 27, 1920. THE HERBRAND Co. Renewed April 27, 1940, to The Herbrand Corporation, Fremont, Ohio, a corporation of Ohio, assignee.

LABELS

REGISTERED NOVEMBER 28, 1939

53,940.—*Title:* BAUME BENGUÉ. For Analgesic Balm. BENGUÉ, INC., Union City, N. J. Published October 20, 1939.

53,941.—*Title:* CHILDREN'S BAUME BENGUÉ. For an Anodyne and Counterirritant Balm. BENGUÉ, INC., Union City, N. J. Published October 14, 1939.

53,942.—*Title:* FACIAL QUALITY TISSUE. For an All-Purpose Facial Quality Tissue for the Bathroom. COMFORT PAPER CORPORATION, San Francisco, Calif. Published September 1, 1939.

53,943.—*Title:* ZEE HEAVY WEIGHT WAXED PAPER. For Waxed Paper. COMFORT PAPER CORPORATION, San Francisco, Calif. Published November 9, 1938.

53,944.—*Title:* DIAMOND-T BRAND. For Jams. DIAMOND T PRESERVING CO., Los Angeles, Calif. Published April 21, 1939.

53,945.—*Title:* VINEYARD BELLE. For a California Sparkling Wine. ELLENA BROS., Etiwanda, Calif. Published October 4, 1939.

53,946.—*Title:* DOG HOUSE. For Straight Rye Whiskey. E. M. FLEISCHMANN DISTILLING CORP., Lansdowne, Md. Published October 26, 1939.

53,947.—*Title:* FRIGID-H-AIR. For Pads. FRIGID-H-AIR PERMANENT WAVE CORP., New York, N. Y. Published April 19, 1939.

53,948.—*Title:* DAVY JONES. For Canned Shrimp. C. A. GREINER, doing business as Gulf Packing Company, New Orleans, La. Published September 11, 1939.

53,949.—*Title:* AMERICA'S PIED PIPER. For Exterminators. GUARANTEE EXTERMINATING CO., New York, N. Y. Published January 3, 1939.

53,950.—*Title:* VICTOR THE RIPE COFFEE. For Coffee. MARTIN L. HALL COMPANY, Boston, Mass. Published October 17, 1939.

53,951.—*Title:* HAZ-A-WEAR SUCTION WALL PAPER SIZING. For a Sizing for Wall Paper, Lincrustra, Burlap, etc. THE HAZARD LEAD WORKS, INC., Brooklyn, N. Y. Published October 23, 1939.

53,952.—*Title:* HUNG'S CHIC-CHOW EGG NOODLES. For Egg Noodles. HUNG'S FOOD PRODUCTS INC., Boston, Mass. Published September 12, 1939.

53,953.—*Title:* PEANUT BRITTLE. For Peanut Brittle. E. F. KEMP, INC., Sommerville, Mass. Published September 16, 1939.

53,954.—*Title:* KROGER'S COUNTRY CLUB QUALITY BRAND PEELED NECTARINE HALVES. For Canned Nectarines. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published October 1, 1939.

53,955.—*Title:* KROGER'S COUNTRY CLUB QUALITY BRAND FANCY WHOLE SPICED SEEDLESS GRAPES. For Canned Seedless Grapes. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published October 1, 1939.

53,956.—*Title:* KROGER'S COUNTRY CLUB QUALITY BRAND FANCY WHOLE SPICED YELLOW CLING PEACHES. For Canned Peaches. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published October 1, 1939.

53,957.—*Title:* MARKWELL 10,000 RX STAPLES. For Staples. MARKWELL MFG. CO., INC., New York, N. Y. Published October 4, 1939.

53,958.—*Title:* MARKWELL 1000 RX STAPLES. For Staples. MARKWELL MFG. CO., INC., New York, N. Y. Published October 11, 1939.

53,959.—*Title:* MEADOWVIEW BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published October 30, 1939.

53,960.—*Title:* CANNON. For Shoes. FRANK C. MEYER CO. INC., New York, N. Y. Published September 5, 1939.

53,961.—*Title:* RICH'S. For Footwear. FRANK C. MEYER CO. INC., New York, N. Y. Published January 5, 1939.

53,962.—*Title:* AZALEA. For Canned Peas. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Published September 6, 1939.

53,963.—*Title:* GAUZE. For Tissue (a Type of Toilet Paper). NORTHERN PAPER MILLS, Green Bay, Wis. Published September 16, 1939.

53,964.—*Title:* MARY ANN SPECIALIZED KITCHEN CUTLERY SET. For Kitchen Knives. ROBERT B. PAYSEE, Chicago, Ill. Published June 15, 1939.

53,965.—*Title:* CASA PELLEGRINI. For Wines. PELLEGRINI BROS. WINERY, San Francisco, Calif. Published September 1, 1939.

53,966.—*Title:* INGLESIDE. For Sugar Cane Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published October 23, 1939.

53,967.—*Title:* MY-T-FINE. For Lemon Pie Filling. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published October 23, 1939.

53,968.—*Title:* HY-GEEN ASTRINGENT POWDER. For Astringent Powder. S. PFEIFFER MFG. CO., St. Louis, Mo. Published May 15, 1939.

53,969.—*Title:* MAXINE MOUTH WASH. For Mouth Wash. S. PFEIFFER MFG. CO., St. Louis, Mo. Published May 15, 1939.

53,970.—*Title:* DENT-A-GEEN MOUTH WASH. For Mouth Wash. S. PFEIFFER MFG. CO., St. Louis, Mo. Published May 15, 1939.

53,971.—*Title:* DENT-A-GEEN. For Powder for False Teeth. S. PFEIFFER MFG. CO., St. Louis, Mo. Published May 15, 1939.

53,972.—*Title:* PFEIFFER'S IODINE ANTISEPTIC. For Iodine Antiseptic. S. PFEIFFER MFG. CO., St. Louis, Mo. Published May 15, 1939.

53,973.—*Title:* META THOMPSON'S "KEY TO BALD PATE". For a Tonic for Falling Hair and Baldness. META THOMPSON, Gulfport, Miss. Published August 15, 1939.

53,974.—*Title:* BONNIE. For Tomato Catsup. UNITED PUBLIC MARKETS, INC., Providence, R. I. Published January 1, 1939.

53,975.—*Title:* BUTTERFLY ROLLS. For Rolls. WARD BAKING COMPANY, New York, N. Y. Published October 1, 1939.

53,976.—*Title:* WEST'S SPIC. For an All Purpose Cleaner. THE WEST CHEMICAL COMPANY, Kansas City, Mo. Published October 9, 1939.

53,977.—*Title:* YALE FILING SUPPLY CO. For Filing Folders. YALE FILING SUPPLY Co., Los Angeles, Calif. Published September 23, 1939.

PRINTS

REGISTERED NOVEMBER 28, 1939

17,704.—*Title:* ADLER-I-KA. For a Carminative Evacuant. THE ADLERIKA COMPANY, St. Paul, Minn. Published March 28, 1939.

17,705.—*Title:* ORANGE ANA. For an Orange Drink. WILLIAM C. BEENER, San Antonio, Tex. Published August 7, 1939.

17,706.—*Title:* BELIEVE IT OR NOT—DONKEY DISCOVERS A MINE. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published March 24, 1939.

17,707.—*Title:* BELIEVE IT OR NOT—HOME SWEET HOME THE AUTHOR NEVER HAD A HOME. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published March 24, 1939.

17,708.—*Title:* BELIEVE IT OR NOT—LIVED IN THREE CENTURIES. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published March 24, 1939.

17,709.—*Title:* BELIEVE IT OR NOT—RICHEST MAN WHO EVER LIVED. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published March 24, 1939.

17,710.—*Title:* BELIEVE IT OR NOT—THE CRUISE OF THE DEAD. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published March 24, 1939.

17,711.—*Title:* CHILDREN'S MILD BAUME BENGUÉ. For Analgesic Balm. BENGUÉ, INC., Union City, N. J. Published October 14, 1939.

17,712.—*Title:* WIN $1000 WEEKLY PICK 8 HORSES AND WIN $1000. For Razor Blades. LEO BERNSTEIN, doing business as United Blade Sales Co., Chicago, Ill. Published October 16, 1939.

17,713.—*Title:* CHARMING ROOMS BEGIN ON THE FLOOR! For Pile Fabric Floor Coverings. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Published October 9, 1939.

17,714.—*Title:* "FOR PRETTY TEETH ALL IN A ROW". For Vitamin D Milk. THE BORDEN COMPANY, New York, N. Y. Published September 20, 1939.

17,715.—*Title:* SPICEY, OLD-TIME MINCE MEAT PIE. For Mince Meat. THE BORDEN CO., New York, N. Y. Published October 23, 1939.

17,716.—*Title:* GOING TO TOWN . . . IN A BIG WAY! For Beer. DREWRYS LIMITED U. S. A., INC., South Bend, Ind. Published September 28, 1939.

17,717.—*Title:* FORD TRACTOR. For Tractors and Wheelless Implements. FORD MOTOR COMPANY, Dearborn, Mich. Published October 20, 1939.

17,718.—*Title:* ACCEPT THIS $1.00 VALUE ROAST MEAT THERMOMETER. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published October 16, 1939.

17,719.—*Title:* FOOTBALL TRAINING'S A CINCH. For a Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published October 20, 1939.

17,720.—*Title:* "AUTOMATIC" JACK MANDERS BOOTS THE BEARS TO A LEAGUE CHAMPIONSHIP. For a Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published October 29, 1939.

17,721.—*Title:* A NEW IMPROVED ALL GLASS REFLUX REGULATOR FOR LABORATORY FRACTIONATING COLUMNS. For Reflux Regulators for Laboratory Fractioning Columns. OTTO R. GREINER Co., Newark, N. J. Published October 21, 1939.

17,722.—*Title:* LUDWIG FASTENERS FOR STORM WINDOWS AND SCREENS. For Spring Tension Fasteners for Storm Windows. LUDWIG MFG. CO., Racine, Wis. Published August 1, 1939.

17,723.—*Title:* ACME SEEDS BEST ON EARTH. For Seeds. THE J. CHAS. MCCULLOUGH SEED CO., Cincinnati, Ohio. Published October 25, 1939.

17,724.—*Title:* WHEN YOUR FEET HURT! ORDINARY SHOES ARE WRONG FOR YOUR FEET! FOOT COMFORT! THE HEALTH SPOT WAY. For Shoes. MUSEBECK SHOE COMPANY, Danville, Ill. Published September 29, 1939.

17,725.—*Title:* PARKER GUARANTEED - FOR - LIFE VACUMATIC. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published September 2, 1939.

17,726.—*Title:* LABEL LAW BARTLETT PEARS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,727.—*Title:* LABEL LAW COUNTRY STYLE WHOLE KERNEL CORN. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,728.—*Title:* LABEL LAW FREESTONE PEACHES. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,729.—*Title:* LABEL LAW FRUIT COCKTAIL. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,730.—*Title:* LABEL LAW SMALL WHOLE BEETS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,731.—*Title:* LABEL LAW SMALL PEAS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,732.—*Title:* LABEL LAW SWEET VARIETY SMALL PEAS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,733.—*Title:* LABEL LAW WHOLE BEETS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,734.—*Title:* LABEL LAW WHOLE KERNEL CORN. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,735.—*Title:* LEGAL HALVED APRICOTS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,736.—*Title:* LEGAL LOGANBERRIES. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,737.—*Title:* LEGAL RED RASPBERRIES. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,738.—*Title:* LEGAL ROYAL ANNE CHERRIES. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,739.—*Title:* LEGAL STRAWBERRIES. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,740.—*Title:* LEGAL WHOLE PEELED APRICOTS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,741.—*Title:* NEW LAW APRICOTS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,742.—*Title:* NEW LAW BARTLETT PEARS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,743.—*Title:* NEW LAW FREESTONE PEACHES. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,744.—*Title:* NEW LAW KADOTA FIGS. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,745.—*Title:* NEW LAW PEELED TOMATOES. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,746.—*Title:* NEW LAW SLICED FREESTONE PEACHES IN SYRUP. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,747.—*Title:* NEW LAW SPINACH. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,748.—*Title:* NEW LAW YELLOW CLING PEACHES. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

17,749.—*Title:* NEW LAW GOLDEN BANTAM CORN. For Labels. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif. Published August 10, 1939.

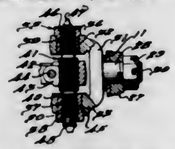
17,750.—*Title:* ANNOUNCING — NEW . . . IMPROVED YOUR BREAD HERE. For Bread. FREDERICK W. ZIV, INC., Cincinnati, Ohio. Published May 1, 1939.

21,279
WHEEL ARM JOINT

John W. Leighton, Port Huron, Mich., assignor to The Manufacturers National Bank of Detroit, Detroit, Mich., a national banking association

Original No. 2,123,088, dated July 5, 1938, Serial No. 107,536, October 26, 1936, which is a division of Serial No. 698,715, November 18, 1933, now Patent No. 2,123,086, dated July 5, 1938. Application for reissue March 27, 1939, Serial No. 264,471

5 Claims. (Cl. 287—100)



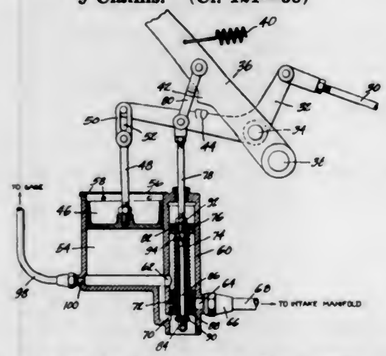
1. A pivotal and adjustable joint comprising a pair of members one of which has apertured and spaced arm portions and the other an apertured portion disposed between said arm portions, a pin extending through all of the apertures and having its opposite ends similarly threaded, thread means in the apertures in the arm portions for receiving the threaded ends of the pin, means on the pin for moving the other member therewith when the pin is turned and moved axially during adjustment, and means for releasably locking said other member to the pin for causing the latter to turn with said member during relatively pivotal movement of the members.

21,280
BRAKE

Montgomery W. McConkey, Chicago, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original No. 1,837,465, dated December 22, 1931, Serial No. 678,236, December 3, 1923. Application for reissue April 9, 1938, Serial No. 201,100

9 Claims. (Cl. 121—38)



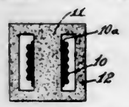
1. A valve for operating a fluid power motor comprising, in combination with said fluid power motor, a source of substantially uniform pressure, a source of different fluid pressure, a valve casing having an exhaust port connected to said first-named source of fluid pressure and having an intake port connected to said second-named source of fluid pressure and having port means connected to said fluid power motor, a valve member in the cylinder movable to different positions to connect said second source to said power cylinder or to connect the exhaust port to relieve the pressure in said fluid power motor or to disconnect both of the ports from said fluid power motor to isolate said fluid power motor, said valve member dividing said valve cylinder into two chambers, one of which is permanently connected through said port means with the power cylinder and the other of which is permanently connected with said first-named source of fluid pressure whereby the valve member is acted on by a differential pressure with a force which bears a definite relation to the power exerted by said fluid power motor, a manually movable part, and a spring interposed between the valve member and said part in such a manner as to urge the valve member in a direction to disconnect the exhaust port from the port means and to connect the intake port to the port means when said part is moved in a direction to compress the spring, the spring being arranged to yield to allow the valve member to move under the influence of fluid pressure in the cylinder to cut off the intake port.

21,281
SELECTIVE RADIO CIRCUIT

Wladimir J. Polydoroff, Wilmette, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Original No. 1,982,690, dated December 4, 1934, Serial No. 660,020, March 8, 1933, which is a division of Serial No. 388,289, August 26, 1929, now Patent No. 1,940,228, dated December 19, 1933. Application for reissue December 2, 1936, Serial No. 113,942. In Canada July 28, 1930

10 Claims. (Cl. 250—40)



6. A high-frequency inductance device for use in resonant circuits including at least one low-loss winding and a compressed comminuted magnetic core having insulated particles small enough to pass through a screen having 300 meshes to the inch, the increase in the effective inductance of said winding due to said core being substantially greater than the increase in the effective resistance of said winding due to said core.

21,282
RADIO-AMPLIFYING CIRCUITS

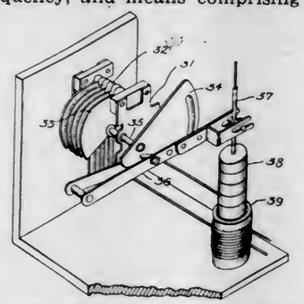
Wladimir J. Polydoroff, Wilmette, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Original No. 1,940,228, dated December 19, 1933, Serial No. 388,289, August 26, 1929. Application for reissue December 2, 1936, Serial No. 113,943

17 Claims. (Cl. 179—171)

17. A high frequency selective resonant circuit

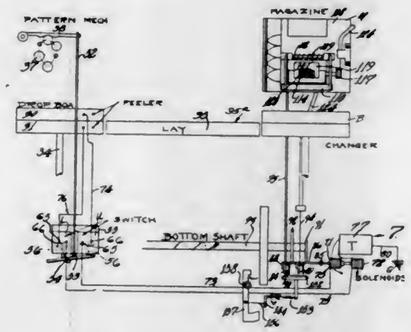
for use over a range of frequencies, such as 600 to 1400 kilocycles, including inductance, capacitance, and resistance, said circuit having desired characteristics as determined by its inductance to resistance ratio at a given frequency at the upper end of the range and being resonant at said frequency, and means comprising a ferro-



magnetic core body having insulated particles for tuning said circuit to a materially lower frequency in the lower end of the range and for producing simultaneously resistance increases in said circuit to substantially maintain said ratio whereby said circuit will resonate at substantially different frequencies while maintaining said desired characteristics.

21,283
WEFT REPLENISHING SHUTTLE CHANGING LOOM
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original No. 2,054,171, dated September 15, 1936, Serial No. 460,746, June 12, 1930. Application for reissue September 9, 1937, Serial No. 163,056
61 Claims. (Cl. 139—232)

33. In a multicolor shuttle changing loom, a lay movable forwardly to beat a pick of filling into the cloth, stationary means to hold a plurality of groups of reserve shuttles, each group having distinct weft, selective means to determine from which group a reserve shuttle is to be drawn at the time of shuttle change, shuttle box mechanism on that end of the lay adjacent said groups and effective to receive a shuttle drawn from any group and to move such shuttle to active picking



position, said shuttle box mechanism also receiving the depleted shuttle from the opposite side of the lay on the shuttle changing beat of the loom and holding said depleted shuttle during the ensuing forward movement of the lay and while the lay beats up the filling extending from said depleted shuttle, and said depleted shuttle being discharged forwardly from said shuttle box mechanism at the end of said forward movement of the lay.

PLANT PATENTS

GRANTED NOVEMBER 28, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

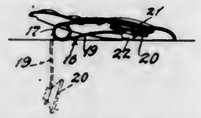
348
ROSE
Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Company, Richmond, Ind.
Application May 10, 1939, Serial No. 272,885
1 Claim. (Cl. 47—61)

A new and distinct variety of White Hybrid Tea rose characterized as to novelty by its vigorous growth, good petal texture, bud form, large flowers, strong stems, large foliage, and superior quality for forcing, substantially as shown and described.

PATENTS

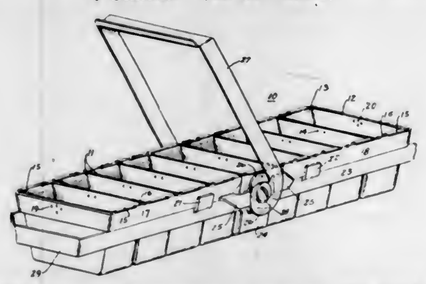
GRANTED NOVEMBER 28, 1939

2,181,113
SUCTION CUP NOVELTY
Soren S. Adams, Asbury Park, N. J.
Application August 31, 1938, Serial No. 227,669
7 Claims. (Cl. 46—129)



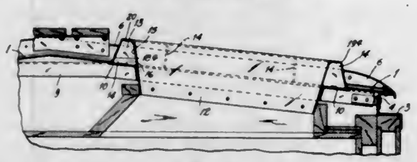
1. A novelty having a spring to impart motion thereto, and a suction cup secured to the free end of said spring and engageable with a portion of said novelty to retain said spring in a loaded position for a predetermined length of time after it is set.

2,181,114
ICE TRAY
Quentin Berg, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 12, 1938, Serial No. 229,395
7 Claims. (Cl. 62—108.5)



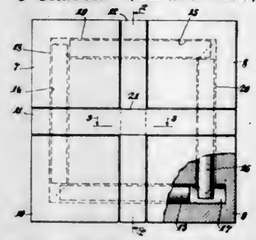
1. An ice block receptacle made up of individual pockets of flexible material secured together at their upper central portions, a frame for said receptacle, and means slidable on said frame for positively extending said pockets in a predetermined order.

2,181,115
HATCH CONSTRUCTION
Charles David Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Original application April 13, 1936, Serial No. 74,218. Divided and this application November 20, 1937, Serial No. 175,728
9 Claims. (Cl. 108—5.4)



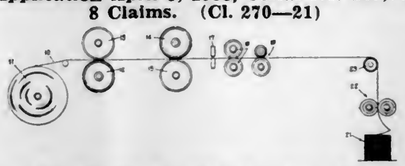
1. A hatch construction for a car roof comprising a metal roof sheet having a hatch opening therein and an upstanding flange along the margin of said opening, a metal hatch frame disposed in said opening and cooperating with said flange to form a hollow rim around said hatch frame, said flange and said hatch frame having their upper edges disposed substantially in the same plane, and a continuous weld for securing the upper edges of said hatch frame and said flange together.

2,181,116
PUZZLE
John D. Boyle, Greenwich, Conn.
Application June 25, 1938, Serial No. 215,737
5 Claims. (Cl. 273—156)



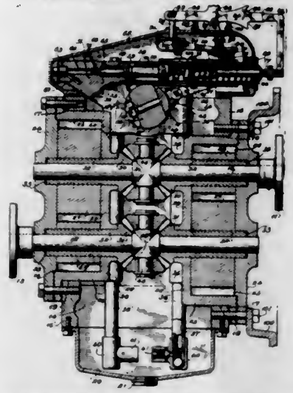
1. A puzzle comprising crossed bars oppositely notched and interlocked at the point of crossing, blocks engaged in the angles between the crossed bars, said blocks and bars having registering tumbler passages, tumblers sliding in said passages and movable into positions to block the movement of adjoining tumblers and one of said tumblers being of a length and having permissible movement to release one of the blocks.

2,181,117
METHOD OF MAKING CONTINUOUS MANIFOLDING STATIONERY
Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application April 9, 1938, Serial No. 201,062
8 Claims. (Cl. 270—21)



1. The method of making continuous manifolding stationery, which includes the steps of printing a plurality of successions of forms side-by-side on a web of paper and weakening the web along longitudinal and transverse lines between the forms while the web is being printed; zigzag folding the web along said transverse weakening lines to form a zigzag folded pile of single-ply folds; subsequently drawing said web from said zigzag folded pile and fanfolding said web along said longitudinal weakening lines to place said side-by-side forms in superposition; and then transversely refolding the fanfolded pile of strips along the weakened fold lines to form a fanfolded zigzag folded pile of printed stationery.

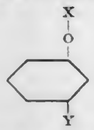
2,181,118
AUTOMATIC INFINITELY VARIABLE TRANSMISSION
Bingham Burner, Annapolis, Md.
Application October 25, 1934, Serial No. 750,005
30 Claims. (Cl. 74—293)



1. A transmission comprising a plurality of speed-changing gear trains of different ratio, a driving member, means to differentially connect it to one end of each train, a driven member, means to differentially connect the driven member to the opposite ends of the trains, said trains each including a large and a small gear but in reverse order, and means to selectively or coordinately brake either and both trains.

2,181,119
DERIVATIVES OF A PHENOL OBTAINED FROM CASHEW NUT SHELL LIQUID AND PROCESS OF PREPARING SAME
Solomon Caplan, New York, N. Y., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application July 6, 1934, Serial No. 733,986
10 Claims. (Cl. 260—612)

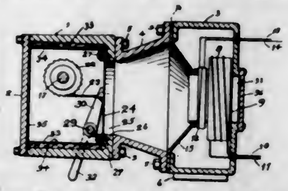
1. The compounds derived from the anacardic acid constituent of cashew nut shell liquid and having the following general formula:



wherein Y represents a member of the group consisting of the aliphatic side chain present in anacardic acid and the hydrogenated side-chain radicle of anacardic acid, and X represents a member of the group consisting of aryl, alkyl, and aralkyl groups, said compounds having boiling points above 200° C. at 10 mm. of mercury.

2,181,120
POWER GENERATING APPARATUS
Charles W. Dake, Grand Haven, Mich.
Application June 30, 1936, Serial No. 88,258
15 Claims. (Cl. 60—62.5)

1. In a power generating apparatus comprising an electromagnetic impulse receiving circuit and means for converting the said impulses received by said circuit into sound, a hollow housing enclosing the said means for converting electric magnetic impulses into sound, a hollow motor housing secured to the first named housing and having a division wall therein, the said division wall provided with a plurality of openings through it and vibratory diaphragms closing the said openings and secured to the said division wall adjacent the periphery of the said openings, each of said diaphragms having secured to one of its sides and extending transversely therefrom a plurality of independently springable pins of different lengths, a drive shaft rotatably mounted in the said motor housing and extending through one of its sides, a plurality of toothed ratchet



wheels secured to the said drive shaft in spaced apart relation within the housing engaged by the said springable pins whereby the said ratchet wheels will be rotated by said springable pins when the said diaphragms are vibrated and a diaphragm vibration control shaft extending substantially parallel with the axis of said drive shaft and having secured to the diaphragm vibration control shaft a plurality of diaphragm vibration control levers and means for turning the said diaphragm vibration control shaft for pressing said vibration control levers against the said diaphragms, all for the purpose specified.

2,181,121
STABILIZATION OF ORGANIC SUBSTANCES
Frederick B. Downing, Carneys Point, and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 29, 1937, Serial No. 182,375
17 Claims. (Cl. 23—250)

1. The method of inhibiting the catalytic oxidation of an organic substance caused by a member of the group consisting of copper and its compounds which comprises incorporating in said organic substance a small amount of a copper deactivator having the formula

HO—A—CH=N—R—N=CH—A—OH

wherein A represents a member of the group consisting of aromatic rings and unsaturated heterocyclic rings of 5 to 6 atoms in which the hetero atom is nitrogen, the OH radical being attached directly to a ring carbon atom ortho to the —CH=N— group, and R represents an aliphatic radical having the two N atoms attached directly to different carbon atoms of the same open chain of R.

2,181,122
STABILIZATION OF ORGANIC SUBSTANCES
Frederick B. Downing, Carneys Point, and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application December 29, 1937, Serial No. 182,375. Divided and this application January 20, 1938, Serial No. 185,929
13 Claims. (Cl. 23—250)

1. The method of inhibiting the catalytic oxidation of an organic substance caused by a member of the group consisting of copper and its compounds which comprises incorporating in said organic substance a small amount of a copper deactivator having the formula

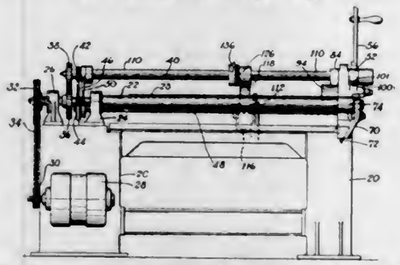
HO—A—CH=N—R—N=CH—A—OH

wherein A represents a member of the group consisting of aromatic rings and unsaturated heterocyclic rings of 5 to 6 atoms in which the hetero atom is nitrogen, the OH radical being attached directly to a ring carbon atom ortho to the —CH=N— group, and R represents a group of the class consisting of aromatic groups, cycloaliphatic groups containing 6 carbon atoms in the ring, and heterocyclic groups containing heterocyclic rings of 6 atoms the hetero atom being nitrogen, and in which the two N atoms are attached directly to adjacent ring carbon atoms or to the most closely positioned ring carbon atoms of different rings other than carbon atoms forming part of the linkage between the two rings of the R group.

2,181,123
TREATMENT OF METALLIC POWDERS
Joseph E. Drapeau, Jr., Calumet City, Ill., and Louis G. Klinker, Hammond, Ind., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 11, 1937, Serial No. 125,304
9 Claims. (Cl. 148—11.5)

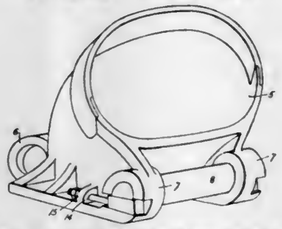
1. The treatment for improving the degree of compressibility of a given powdered metal when compressed into solid shapes which comprises subjecting the powder to mechanical deformation to set up internal stresses in the powder particles, and thereafter heating the powder in a non-oxidizing atmosphere at a temperature and for a time sufficient to substantially reduce the internal stresses, but sufficiently below the melting point to prevent substantial sintering, all without substantial change in the powdery nature of the initial powder.

2,181,124
TUBE CUTTING APPARATUS
David H. Edwards, Kenmore, and Roy E. Hartman, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 14, 1938, Serial No. 201,862
28 Claims. (Cl. 164—69)



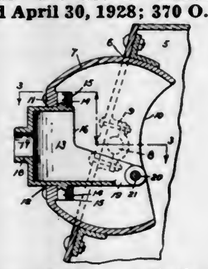
28. In a tube cutting apparatus, a rotatable mandrel adapted to closely fit and support a tube while it is being cut, a freely rotatable support for the open end of said mandrel, tube stop means for limiting the travel of tube toward the open end of the mandrel, a shaft extending in the direction of the mandrel upon which is pivotably mounted a carriage for a tube cutting means mounting and an arm carrying a rotatable, angularly adjustable means adapted to force the tube against said tube stop means, said carriage being slidable on said shaft and having means to locate it thereon in a given position, said carriage having means for adjusting the cutting means mounting thereon in a direction lengthwise of the tube, and means on said cutting means mounting for securing the carriage and cutting means mounting to the said shaft in a fixed position.

2,181,125
LOCKING MEANS FOR BUCKET PINS
Harry George Leonard Eckart, Sydney, New South Wales, Australia, assignor to Alluvial Mining Equipment Limited, Sydney, Australia, a company of New South Wales, Australia
Application January 29, 1938, Serial No. 187,737
In Australia December 11, 1937
4 Claims. (Cl. 74—254)



1. Locking means for bucket pins comprising a headless pin mounted in eyes in the bucket, an open-sided recess formed in one end of the pin registering with an open-sided slot in the associated eye of the bucket, a longitudinally tapered wedge block seating along one side in the recess in the pin and along the opposite side in the slot in the eye, complementarily inclined engaging faces on the wedge block and on the eye recess which prevent lateral movement of the wedge block in the eye, and screw means for drawing the wedge block into locked position.

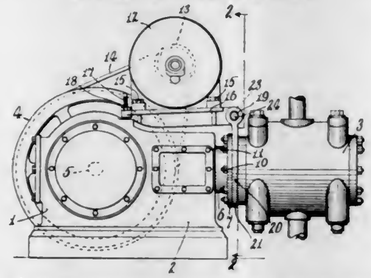
2,181,126
UNIVERSAL MOUNTING
Harold W. Evans, Wilkes-Barre, Pa.
Application October 18, 1937, Serial No. 169,615
1 Claim. (Cl. 89—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a gun mounting, a relatively fixed support having a rectangular opening, a shield consisting of a hollow cylindrical wall with parallel side walls having trunnions axial of the cylinder, said shield disposed in the opening of the support with the trunnions of the shield substantially in the plane of the opening, means on the support for mounting the trunnions of the shield, said cylindrical wall having a rectangular opening, a cradle consisting of a hollow cylindrical

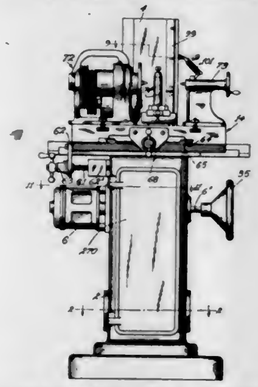
wall with parallel top and bottom walls having trunnions axial of the cylinder, said cradle disposed in the opening of the shield, means on the shield for mounting the cradle trunnions adjacent the opening in the shield with the axis of the cradle trunnions remote from the axis of the shield trunnions whereby the cradle trunnions are movable in an arc through the opening in the fixed support and are normally disposed forwardly of the support.

2,181,127
PUMPING APPARATUS
Alexander D. Ferguson, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 31, 1935, Serial No. 56,977
6 Claims. (Cl. 230—58)



1. In combination, a pumping device including a base, a cylinder member, a cylinder head member, devices for clamping the same together, and a driving pulley, and driving means for said pumping device including a driving motor having a mounting including a member held by said clamping devices, a platform pivotally connected to said last mentioned member, and means for adjusting said platform to change the relation of said motor to said driving pulley.

2,181,128
UNIVERSAL MACHINE TOOL
Frank W. Hack, Wauconda, Ill.
Application June 30, 1937, Serial No. 151,153
21 Claims. (Cl. 29—27)

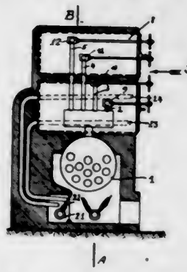


5. A machine of the class described, the combination of a pedestal a horizontally disposed work table supported on said pedestal, feed screws associated with said work table to move the same longitudinally or transversely, a removable circular work plate positioned in said work table capable of radial adjustment relative to the longitudinal or transverse movements of said table and means for locking said work plate in adjusted position.

2,181,129
ADHESIVE
Albert J. Heberer, Maywood, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 21, 1936, Serial No. 60,135
4 Claims. (Cl. 134—23.1)

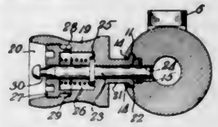
1. An adhesive composition comprising glue as the major non-volatile ingredient, a plasticizer for the glue, a water soluble blending volatile solvent for the glue, less volatile than water, and 5 to 20% of a phosphatide based on the glue, incorporated therein.

2,181,130
STEAM OVEN FOR BAKING
Albert Horlebeck and Clemens Wiesmann, Wuppertal-Barmen, Germany
Application November 23, 1937, Serial No. 176,040
In Germany March 27, 1937
5 Claims. (Cl. 107—63)



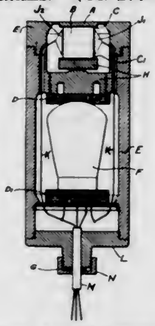
1. A steam baking oven, comprising in combination a furnace, a steam boiler heated by said furnace, a plurality of baking chambers arranged above said furnace, a low pressure steam conduit extending from said boiler directly into at least one of said chambers, a branch from said chamber leading to the outer side of at least another of said chambers, means for shutting off said branches, and superheater tubes extending from said furnace into at least yet another of said chambers.

2,181,131
BREECH MECHANISM
Melvin M. Johnson, Jr., Brookline, Mass., assignor to Melvin M. Johnson, Brookline, Mass., Edward E. Rice, Boston, Mass., and himself, as trustees of Johnson Patent Trust
Application February 11, 1938, Serial No. 190,009
8 Claims. (Cl. 42—25)



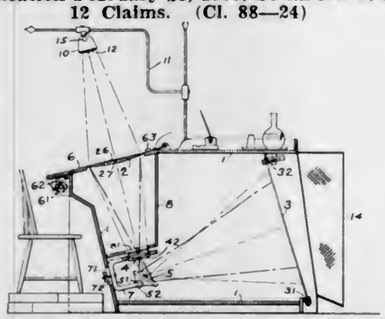
1. In a firearm the combination of a bolt, an extractor extending along the side and overhanging the forward end of the bolt, an operating handle for manually moving the bolt, and a plunger extending through both the handle and the extractor and thence into a recess in the bolt for interlocking the parts together.

2,181,132
APPARATUS FOR RECEIVING COMPRESSIONAL WAVES
Wilhelm Kallmeyer, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application December 8, 1933, Serial No. 701,508
In Germany March 29, 1933
2 Claims. (Cl. 177—386)



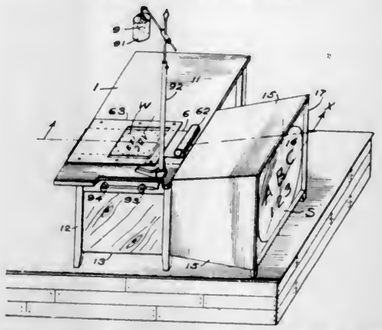
1. A submarine sound receiver comprising a cylindrical casing having a diaphragm at one end thereof, a piezo-electric crystal positioned in contact with said diaphragm, a plate positioned against the surface of said crystal opposite the surface of contact with the diaphragm, means closing said crystal in a chamber at the end of said casing, said means being threaded in said casing and adapted to exert pressure on said plate, a second chamber in the other part of said casing, means closing said second chamber at the end of said cylinder, said chamber being provided with a supporting shelf, a vacuum tube amplifier supported on said shelf and means positioned just below the means closing said first chamber for securing said vacuum tube firmly in position.

2,181,133
LECTURE DESK
David Katz, Wilmington, Del.
Application February 26, 1938, Serial No. 192,755
12 Claims. (Cl. 88—24)



1. An apparatus for projecting handwriting, comprising in a single unit of furniture a substantially horizontal writing panel adapted to support a sheet of light-transmitting writing material on the upper surface thereof, a substantially vertical projection screen, and a focussing system; said writing panel being composed of light-transmitting material and being provided on the underside and adjacent thereto with light-condensing means, thereby being adapted to condense and to pass through itself into the space beneath itself light rays coming from a source of illumination above said writing panel through said writing material; said focussing system being disposed between said writing panel and said projection screen and being adapted to project upon the latter the light rays which come from the former, and to focus upon said screen shadows of any writing or figures done on said writing material with a light-absorbing writing medium; and said screen being composed of shadow transmitting material whereby to transmit said projected light and focussed shadows through itself to the other face thereof, thereby displaying the writing or figures as shadows upon an illuminated background; said writing panel, focussing system and projection screen being held together in their proper relative positions by said single unit of furniture, and the latter being shaped and proportioned to serve simultaneously as a lecture desk, and to form a substantially inclosed space behind said projection screen, thereby excluding stray light from the inner face of the projection screen; said writing panel being located in the top of said furniture unit, in convenient position for writing thereon by a lecturer during the course of his lecture while facing the audience; said projection screen being disposed to display the projection to the audience while the latter is facing the lecturer; and said furniture unit being free of any obstructions or members in the line of sight between the lecturer and his audience.

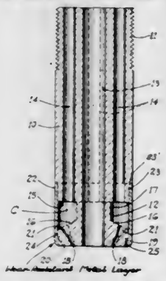
2,181,134
LECTURE AND PROJECTION DESK
David Katz, Wilmington, Del.
Application November 21, 1938, Serial No. 241,530
3 Claims. (Cl. 88—24)



1. In combination with a lecture desk having a light transmitting panel in the top thereof adapted to serve as a support for a sheet of transparent writing material and cooperating with an external source of light, with a focussing system and with a projection screen to transmit into the interior of said desk and project upon said screen images of writing done on said writing material, means above said table top for sending a concentrated beam of light downwards through said light transmitting panel in the direction of said focussing system, and further means underneath said table top to illuminate said transparent panel and writing material from the underside thereof by diffused light passing through said panel at a substantial angle to said first mentioned beam and directed in general toward the eyes of a person situated for con-

venient writing on said writing material, whereby said transparent writing material shall appear to a person writing thereon as projected against an illuminated background.

2,181,135
MULTIPLE FLAME NOZZLE
Robert J. Kehl, Manhasset, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application August 10, 1933, Serial No. 684,478
Renewed June 11, 1938
9 Claims. (Cl. 158—27.4)



3. A nozzle comprising a unitary body having a circumferential groove formed therein near the discharge end of the nozzle, the front wall of said groove being inclined outwardly and forwardly; said body having a fluid inlet passage drilled therein and extending longitudinally thereof and opening into said groove; said body also having a fluid discharge passage drilled therein and having its inlet in said front wall and it outlet at the discharge end of said nozzle, said discharge passage having its axis inclined forwardly and inwardly toward the main axis of said body; and a sleeve fluid-tightly secured to said body and constituting a circumferential outer closing wall for said groove.

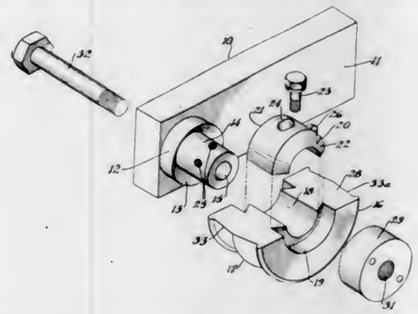
2,181,136
METHOD OF ASSEMBLING THE ELEMENTS OF A JOINT
Harry A. Knox, Washington, D. C.
Application September 20, 1937, Serial No. 164,746
1 Claim. (Cl. 29—88.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The method of forming an oscillating joint consisting of inner and outer rigid members interconnected by an elastic member which comprises providing an elastic member of a diameter in excess of the internal diameter of the outer rigid member with alternate longitudinal ribs and grooves of substantial radial dimensions, bonding the elastic member to the inner rigid member, filling the grooves of the elastic member with an adhesive, and then forcing the elastic member and the inner rigid member into the outer rigid member to displace the elastic member, the displacement, due to the excess diameter, being sufficient to obliterate the grooves and produce a complete surface bonding.

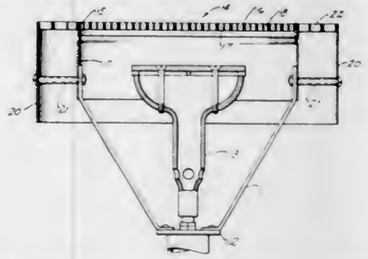
2,181,137
FORMING AND FINISHING TOOL
Ralph P. Lambright, Canton, Ohio
Application February 7, 1938, Serial No. 189,105
13 Claims. (Cl. 29—102)

1. The combination of a holder having a spindle extending laterally from one side thereof, there being an axial bore through said spindle extending through the opposite side of the holder, a half round tool with a cutting edge extending transversely across the periphery thereof and located around one side of the spindle, a substantially half round filler of less diameter than the tool



located around the other side of the spindle and abutting the tool, means for holding the filler in adjusted position upon the spindle, a screw located through said bore, a nut mounted upon said screw, and interengaging formations upon opposite sides of the tool and filler and the corresponding sides of the holder and nut.

2,181,138
GAS HEATING APPARATUS
Hugh G. Landis, Los Angeles, Calif., assignor to Bess S. Landis
Application July 19, 1938, Serial No. 219,997
14 Claims. (Cl. 126—85)

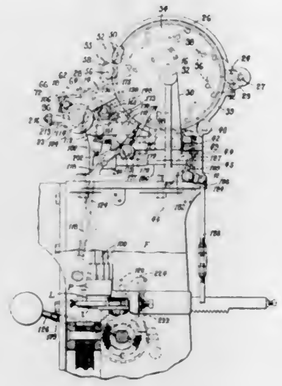


1. A radiant type heater which includes: an open flame burner; a mantle overlying said burner; comprising a cellular plate formed of a plurality of thin metallic ribbons spirally wound together to form a series of openings between adjacent convolutions of said ribbons; and means for supporting said mantle just above the normal upper limit of the flame issuing from said burner.

2,181,139
FASTENING-SUPPLYING APPARATUS
John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 2, 1938, Serial No. 205,497
107 Claims. (Cl. 1—39)

1. In a fastening-supplying apparatus, means for supplying fastenings, means by which groups of fastenings are separated, means for delivering the groups of fastenings to the machine to be

supplied, and means acting between the separating means and the machine supplied for testing

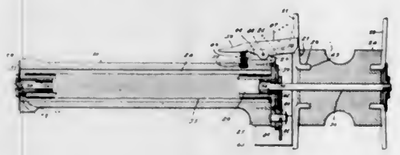


the groups of fastenings to determine their completeness.

2,181,140
CATALYTIC HYDROGENATION OF EPSILON-CAPROLACTAM TO AMINES
Wilbur A. Lazier and George W. Rigby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 29, 1938, Serial No. 232,309
5 Claims. (Cl. 260—583)

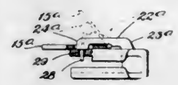
1. The process for the production of amines which comprises catalytically hydrogenating epsilon-caprolactam at a temperature between about 200° C. and about 400° C.

2,181,141
CLOTHESLINE REEL
Hokan A. Lovegran, Rockford, Ill.
Refiled for abandoned application Serial No. 527,906, April 6, 1931. This application March 15, 1935, Serial No. 11,306
6 Claims. (Cl. 242—102)



4. A clothesline reel comprising a single elongated handle, a reel support extending from one end of the handle, a reel thereon alongside the handle and of large diameter in relation thereto, the reel having a plurality of circumferentially spaced projections on the side thereof toward the handle, a latch and actuating spring carried on said handle on the end next to the reel, the latch extending lengthwise of the handle but being short in relation to the length of the handle so as to leave the major portion of the handle free to be grasped in the hand of the operator, the latch tending normally to move into the path of movement of the projections, and manually operable means on the outer end of the latch for releasing the same.

2,181,142
THERMOPLASTIC SLIDER
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York
Application March 6, 1937, Serial No. 129,319
7 Claims. (Cl. 24—205)



1. A thermoplastic slider of the character described having spaced side walls, an outwardly projecting freely flexing elongated lug integral with one side wall of the slider adjacent one end thereof and extending from the surface of said wall within peripheral edges thereof, the free end of said lug extending inwardly and being normally separated from said wall, a finger piece coupled with said lug by movement over the free end thereof, said inturned end of the lug being moved into juxtaposition to said side wall of the slider in forming on said wall of the slider a substantially closed elongated loop retaining the finger piece against accidental displacement from the slider, a projection on the free end of said lug normally projecting through an aperture in said wall of the slider, said lug having spring properties whereby the free end portion thereof is movable toward and from said wall of the slider in moving said projection into operative and inoperative position, and means on said finger piece cooperating with the lug to flex the lug outwardly in the operation of grasping said finger piece.

2,181,143
MOTOR FUEL
Ernest M. Marks, Lansdowne, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application November 12, 1936, Serial No. 110,474
4 Claims. (Cl. 44—9)

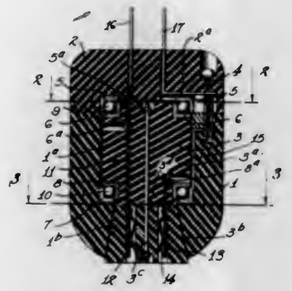
1. The method of increasing the anti-detonation characteristics of gasoline, which comprises adding to the gasoline an oxidation product of tri-isobutylene in an amount sufficient substantially to increase its anti-detonation characteristics, said oxidation product boiling within the boiling range of gasoline and resulting from the oxidation of tri-isobutylene under conditions such that the ratio of oxygen to tri-isobutylene is at least mol for mol.

2,181,144
HIGH MOLECULAR WEIGHT HALOGENATED ORGANIC COMPOUNDS AND METHOD OF PREPARING SAME
Arnold J. Morway, Roselle, and Floyd L. Miller, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 20, 1937, Serial No. 170,120
19 Claims. (Cl. 260—94)

1. High molecular weight halogenated organic compounds containing more than 1% of halogen,

obtained by halogenation of a material consisting of a substantially saturated linear hydrocarbon polymer of the aliphatic series having a molecular weight in excess of about 1,000 and having a plurality of short alkyl side chains.

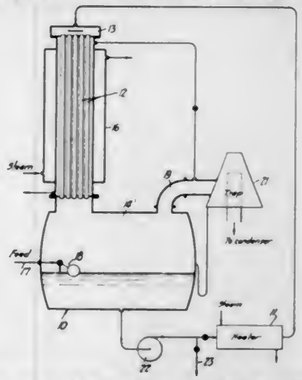
2,181,145
SWIVEL ELECTRIC CONNECTION
Josef F. Mose, Point Loma, Calif.
Application May 12, 1936, Serial No. 79,247
2 Claims. (Cl. 173—324)



1. In a swivel electric connector, the combination with a casing member provided with an enlarged bore at one end and with a reduced tapered bore communicating therewith, a casing cap adapted to fit one end thereof, a revoluble core member conforming to said bore filling the the same and provided with a separate tapered portion conforming with and filling the reduced bore in said casing and extending at its opposite end some distance into said casing cap, a ball supporting annular angle member mounted in said casing cap, another ball supporting annular angle member mounted at the opposite end of said enlarged bore at the juncture of said reduced bore portion and corresponding opposed angle members mounted on said revoluble core at its opposite ends, ball bearings interposed between said angle members, an electric conductor extending into said casing cap to the upper ball bearing angle members then downwardly through said revoluble core member and terminating in an electrical equipment contact in the reduced separate portion of said core member, another electrical conductor extending through said casing cap and casing and connected with the lower ball bearing angle members and thence through said core members and connecting with an electrical equipment contact supported in the reduced portion of said revoluble core, a cap connecting screw connecting said casing cap with said casing and serving as a portion of one of the electrical conductors through said casing cap and casing.

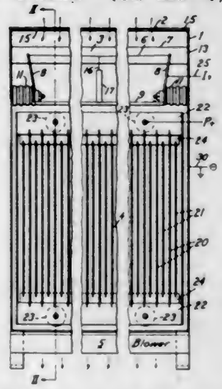
2,181,146
PROCESS OF MANUFACTURING A NONCAKING DRIED WHEY POWDER
David D. Peebles, San Francisco, and Paul D. V. Manning, Berkeley Woods, Calif., assignors to Western Condensing Company, San Francisco, Calif., a corporation of California
Application December 9, 1936, Serial No. 114,922
5 Claims. (Cl. 99—57)

1. In a process for producing a dry non-caking whey powder, wherein moisture is removed from the raw whey and the lactose caused to crystallize to form the final product, the improvement comprising effecting coagulation of the major part of the whey proteins before crystallizing the lactose,



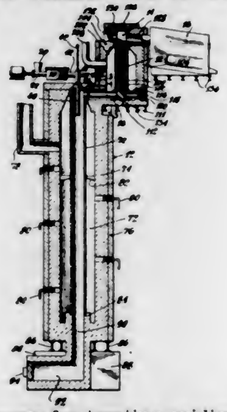
and causing crystallization of the lactose to take place in the presence of such coagulated proteins.

2,181,147
ELECTROSTATIC PRECIPITATOR
Edward H. R. Pegg, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 26, 1938, Serial No. 198,247
6 Claims. (Cl. 183—7)



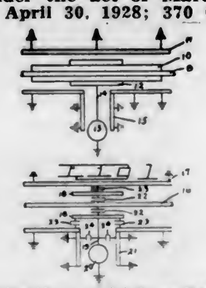
1. A gas-purifying precipitator comprising an ionizing chamber, a separate precipitating chamber, and means for causing a gas-flow successively through first said ionizing chamber and then said precipitating chamber; said ionizing chamber being provided with one or more ionizing units, each unit being disposed transverse to the gas-flow and comprising oppositely charged electrodes comprising a single fine wire spaced between relatively large electrodes, and an intermediate steadying-means for said fine wire, said intermediate steadying-means comprising a flexible filamentary member in tension, for pulling said fine wire only slightly out of a straight line, said steadying-means lying substantially parallel to the direction of gas-flow; said precipitating chamber comprising oppositely charged, spaced precipitating electrodes substantially parallel to the direction of gas-flow; and means associated with both the ionizing chamber and the precipitating chamber for unidirectionally charging said oppositely charged electrodes; said fine wire or wires being of less than 32 mils diameter and being of such fineness that substantially utilizable ionization of suspended particles in the gas is obtained at a wire-charging voltage below the critical corona voltage, and the wire-charging voltage being below said critical corona voltage.

2,181,148
PROCESS AND APPARATUS FOR PRODUCING ZINC
Melville F. Perkins and Roland G. Crane, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application October 19, 1937, Serial No. 169,773
15 Claims. (Cl. 75—26)



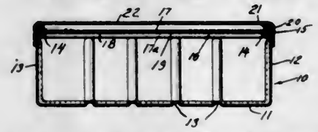
1. The process for treating oxidized zinciferous material which comprises charging such material and solid carboniferous material, both materials being in a fine state of subdivision, into a retort wherein the zinciferous material is reduced in suspension, passing the products of reaction as a stream to an incandescent carboniferous bed, supplying an oxidizing gas to the stream in amount sufficient to oxidize the carboniferous suspensoids entrained in said stream and render the carboniferous bed self-cleaning, passing the stream through said bed and recovering zinc from the gases emerging therefrom.

2,181,149
SPARK PLUG PERFORMANCE INDICATOR
Melville F. Peters, Beltsville, Md., Warren S. Parr, United States Navy, and Henry K. King, Cabin John, Md.
Application April 25, 1939, Serial No. 269,942
13 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



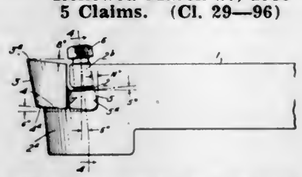
1. In combination, a high voltage conducting means connected to a spark plug of an internal combustion engine, a grounded voltage indicating means capacitively coupled to said conducting means, and an external grounded shielding means for the above whereby a shunting capacitor to ground is formed across said voltage indicating means.

2,181,150
MOISTUREPROOF CONTAINER
Paul S. Pittenger, Philadelphia, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application January 2, 1936, Serial No. 57,102
3 Claims. (Cl. 220—27)



1. A hermetically sealed, moistureproof container having a bottom, sides and a top, having a wall section comprising extremely thin polished metal foil, said metal foil having insufficient stiffness and strength for use as a wall section without reinforcement, adapted for printing and lithographing, adhesively fastened to flexible fibrous material and reinforced by heavier fibrous material, said reinforcement extending around the entire periphery of said section, but not over the entire area of said section, said unreinforced area having a strength such that it may be burst by the pressure of the fingers alone.

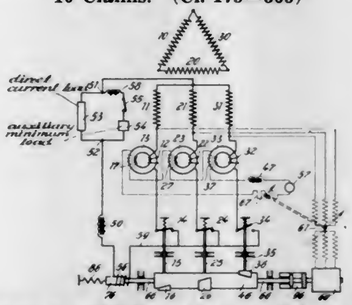
2,181,151
ADJUSTABLE SHANKLESS BIT AND HOLDER THEREFOR
Ernest Reaney, Bridgeport, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a corporation of New York
Application July 27, 1933, Serial No. 682,389
Renewed March 27, 1935
5 Claims. (Cl. 29—96)



4. A heavy duty metal cutting tool comprising a shank provided at its forward end with a bit-receiving aperture defined by a seat inclined to the axis of said shank, a forwardly inclined abutment surface located rearwardly of and at an acute angle to said seat and an overlying top section formed integral with said shank; a substantially L-shaped cutter-bit of high grade metal fitted within said aperture one extremity of said bit affording a cutting portion and material for a succession of regrindings and the other portion constituting a foot, said foot portion having its bottom wall in engagement with said seat and an end wall in engagement with said abutment surface, the upper surface of said foot portion being longitudinally inclined at an acute angle with the under surface whereby the foot portion is rectangu'ar in cross-section and tapered in the direction of the length of said shank with the larger portion remote from said cutting portion and adjacent said abutment surface; a tongue and groove connection between the foot portion

of said bit and said seat to prevent relative lateral movement between the bit and the shank but to permit relative lengthwise movement therebetween, the overlying section of said shank being spaced from the top surface of said foot portion a distance sufficient to permit the widest portion of the bit to pass therethrough in a longitudinal direction; and clamp means engaging the upper surface of said foot portion and said overlying portion and acting in a downward and rearward direction to force said cutter bit downwardly against said seat and simultaneously rearwardly against said abutment wall.

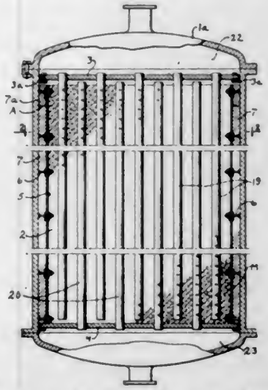
2,181,152
MULTIPHASE CURRENT CONVERTING SYSTEM
Erich Rolf, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application February 12, 1937, Serial No. 125,363
In Germany March 10, 1936
10 Claims. (Cl. 175—365)



1. With a multiphase arrangement for transferring energy between an alternating current circuit and a direct current circuit, the combination of mechanical contact circuit breakers disposed between said alternating current circuit and said direct current circuit, each of said breakers being connected in a respective phase of said alternating current circuit, a device for periodically operating said breakers in synchronism with the frequency of said alternating current circuit, said device being designed to actuate said breakers in succession with overlapping closing periods, so that short circuits including the simultaneously closed breakers are closed periodically, impedances designed to increase their apparent resistance abruptly at current values below a certain periodical low value so as to periodically flatten the curve of the current to be controlled by said breakers, said impedances being series connected with said breakers so as to form part of said periodically closed short circuits, load responsive means for shifting the moments of the closings and of the openings of said breakers with respect to the cycle of the alternating voltage, said means being designed to maintain the length of the closing period of said breakers constant and to delay said period at increasing load current intensities.

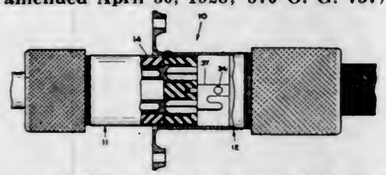
2,181,153
REACTION VESSEL
Thomas B. Prickett, Woodbury, N. J., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application March 15, 1937, Serial No. 130,827
13 Claims. (Cl. 23—288)

7. In a converter, a casing providing a reaction chamber, series of fluid conduits extending into said chamber in interspersed and substantially symmetrical relation, an inner shell within said chamber conforming substantially to the geometrical pattern of said conduits and spaced from said casing, said shell comprising a plurality of separate and successively disposed apertured plates, heat baffle plates interposed between said shell and said casing and spaced from each, a layer of hard, fluid impervious, plastic material disposed adjacent one end of the space between said casing and said shell sealing said space from the remainder of said chamber, spacing members attached to said casing and loosely received by apertures in each of said plates, stop members on said spacing members in slidable and substantially fluid tight engagement with the inner and outer faces of said plates, thereby to provide a structure wherein said shell and casing are in fixed and predetermined spaced relation at all times and are free to move with respect to each other.



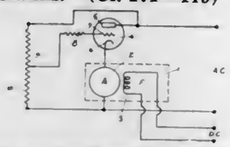
11. In a converter for effecting chemical reactions, in combination, an outer casing, a series of plates forming a substantially continuous wall therewithin providing the peripheral boundary of a reaction chamber, adjacent plates terminating in aligned and spaced relation to leave an open seam therebetween, spacing and fastening members adapted to hold said plates in fixed and predetermined spaced relation with said casing attached to the latter and slidably received by each of the former, and U members attached to certain of said plates to extend across said open seams and slidably receive the adjacent plates, thereby to provide a substantially fluid tight inner shell each section of which is free to move with respect to its neighbor and said outer casing.

2,181,154
PLUG AND RECEPTACLE
John M. Roper, Washington, D. C.
Application February 12, 1938, Serial No. 190,191
1 Claim. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



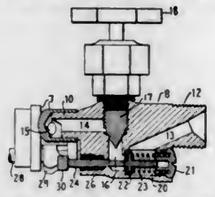
In combination, an electric plug and a receptacle, said plug including female contact means and said receptacle including male contact means, means unrestrictedly yieldably urging the male contact means of the receptacle into the female contact means of the plug when the plug is in contact with the receptable, and means restricting the movement of the male contact means in the receptacle when the plug is not in contact therewith, said last mentioned means including an insulating plug member through which said male contact means is mounted, a cooperating bayonet slot means on the side of said insulating plug member and pin means on said receptacle, said bayonet slot means having a shoulder in said insulating plug member cooperating with said pin means to limit the longitudinal movement of said insulating plug member in one position thereof and having a through slot therein to free the said insulating plug member for unrestricted yieldable movement in another position thereof, and cooperating bayonet pin and slot means in said plug and said receptacle, whereby when said plug and receptacle are relatively rotated when brought into contact, the insulating plug member is rotated to the position of unrestricted yieldable movement to press the male contact means into the female contact means.

2,181,155
VARIABLE SPEED MOTOR SYSTEM
Howard A. Satterlee, Needham, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application January 19, 1939, Serial No. 251,776
4 Claims. (Cl. 171—119)



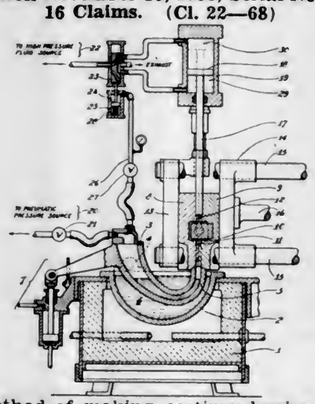
1. System for controlling the speed of a motor having an armature immersed in a continuous magnetic field comprising a grid-controlled rectifier having anode, cathode and grid electrodes, means for connecting said anode to one terminal of a source of alternating potential, means for connecting said cathode in series with the armature of said motor to the second terminal of said source of potential, a potentiometer having a movable contact, means for connecting the potentiometer across said source of alternating potential and means for connecting said grid to said movable contact.

2,181,156
TORCH
Gustav H. Schmidt, Wood-Ridge, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1936, Serial No. 88,136
4 Claims. (Cl. 158—27.4)



1. A torch comprising a body with a handle portion and housing structure at the rear end of the torch for enclosing two control valves and two quick-acting shut-off valves, each of the control valves being in series with one of the shut-off valves in a gas conduit through the torch, each of said shut-off valves being movable in its housing structure longitudinally of the torch, a valve-operating plunger extending forward from each shut-off valve through a front wall of the housing structure at a region accessible from outside of the torch, a stuffing-box in said front wall and around each plunger, a cap at the back of each shut-off valve removable from the housing structure to expose the valve through an accessible opening in the housing structure for convenient inspection or replacement of the valve, a manually-operated member on the handle portion of the torch, and motion transmitting means by which displacement of said member is transmitted to both of the shut-off valves.

2,181,157
METHOD AND APPARATUS FOR PRESSURE CASTING
James N. Smith, Westfield, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 16, 1938, Serial No. 240,713
16 Claims. (Cl. 22—68)

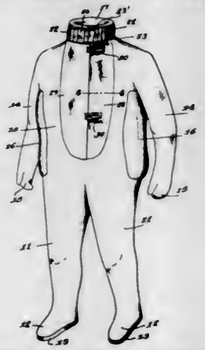


1. Method of making castings having a thin-walled section and a thick-walled section which comprises injecting molten metal into a metallic mold through a restricted gate by applying pneumatic pressure directly to a confined body of the molten metal, continuing the application of pneumatic pressure until the mold cavity is filled, sealing the gate by solidification of the metal therein, and thereafter applying a substantially greater pressure at a point closely adjacent a thick-walled section of the cast metal to feed metal thereinto during solidification of the casting.

2,181,158
OXIDIZED CHLORINATED OLEFIN POLYMER
William J. Sparks, Cranford, and Clifford W. Muessig, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 30, 1938, Serial No. 243,096
11 Claims. (Cl. 260—94)

5. The process of preparing a synthetic substance comprising the steps of polymerizing an iso-olefin to a high molecular weight, oxidizing the polymer, and thereafter chlorinating the oxidized polymer.

2,181,159
LIFESAVING GARMENT
Leonard R. Temple, Rosslyn, Va., assignor to Temple Safety on Sea Corporation, Rosslyn, Va., a corporation of Delaware
Application November 25, 1936, Serial No. 112,789
7 Claims. (Cl. 9—20)

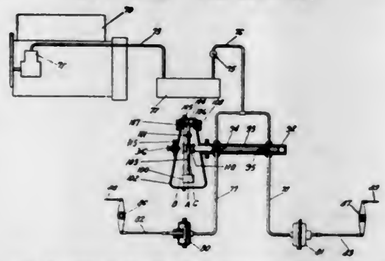


1. A lifesaving garment, comprising a body and limb enclosing portion having a neck opening therein and a placket extending into said neck opening, an upstanding collar at said neck opening, a gore arranged exteriorly of the body portion and attached to said body portion about said placket with its upper portion open, said gore extending above the collar and being attached thereto, and means carried by said collar for holding said collar snugly about the neck of a wearer and for closing the upper portion of the gore by holding said upper portion of said gore snugly between the collar and the said means.

2,181,160
MOISTUREPROOFED MATERIAL
Fred K. Shankweiler, Newport, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 11, 1934, Serial No. 739,470
4 Claims. (Cl. 91—68)

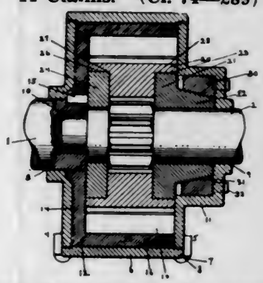
1. A sheet of glassine paper coated with a thin film composed of a composition including chlorinated rubber and a wax, the wax being in amount such that the said film will be substantially transparent.

2,181,161
VEHICLE CONTROL SYSTEM
Austin M. Wolf, Plainfield, N. J.
Application April 15, 1933, Serial No. 666,332
34 Claims. (Cl. 188—10)



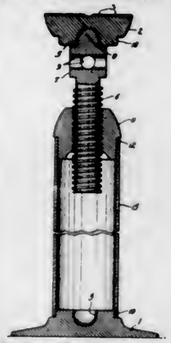
1. In a vehicle, a suspension system, brake mechanism, a braking system to impress a force on said brake mechanism, and means to modify the force impressed thereby and simultaneously modify the rigidity of said suspension system.

2,181,162
POWER TRANSMISSION
William W. Zaenger, Toledo, Ohio
Application April 12, 1937, Serial No. 136,235
11 Claims. (Cl. 74—289)



1. A power transmission interconnecting movable driving and driven members and having a means responsive to the resistance to movement exerted by the driven member to vary the power ratio between the driving and driven members in direct proportion to the increase or decrease of said resistance comprising a rotatable element connected to the driving member, said element having a plurality of teeth, a rotatable gear connected to the driven member, a movable element having a set of teeth adapted to engage the teeth of the element and a second set of teeth adapted to engage the gear teeth, means for movably supporting the second-named element with respect to the first-named element and gear whereby said second-named element is caused to move in direct response to the resistance to rotation exerted by the gear to produce a power ratio between said first-named element and said gear that varies directly with variations in said resistance.

2,181,163
ADJUSTABLE SUPPORT FOR BUILDINGS OR THE LIKE
Roy W. Akins, Akron, Ohio
Application August 11, 1939, Serial No. 289,609
2 Claims. (Cl. 254—101)



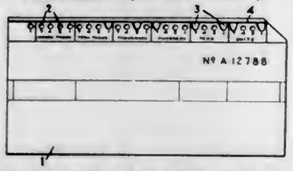
1. A support for the purposes set forth comprising a plurality of separable members including a base member and a cap member each having a curved seat, a screw having a complementary head adapted to rest on either seat and having sufficient clearance to permit angular variation of the screw axis with respect to the cap or base, a nut on the screw, external seats on the nut and on the cap and base, and a tubular central portion to fit the seat on the nut and the seats on the cap or base selectively.

2,181,164
VENEER BEND
Elmo E. Alexander, New Albany, Ind.
Application February 20, 1939, Serial No. 257,450
5 Claims. (Cl. 20—92)



4. For a ply wood bend, a panel having a core, an outer veneer ply adhering thereto, a second ply of veneer behind said outer ply extending at least over the zone of the bend, said core being provided with a plurality of relatively closely spaced slots extending transversely across the panel back of said second ply, that part of the core which is cut being free to travel longitudinally of the panel relative to said outer ply and having an end portion removed equal to said travel, said slotted core portion having its back glued to said second veneer ply, and said second ply being anchored at one end and free to shift over the outer ply with said core portion, said slots extending entirely through said core portion to said second ply.

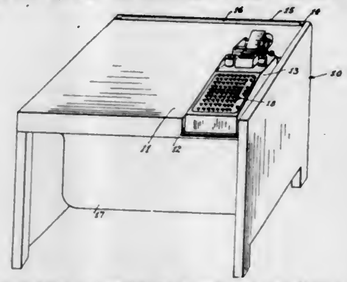
2,181,165
SORTING DEVICE FOR LOOSE LEAVES
Thomas Coleman Andrews, Richmond, Va.
Application November 30, 1938, Serial No. 243,055
3 Claims. (Cl. 129—16.1)



1. An article of the class described comprising a body of sheet material having a plurality of perforations arranged along an edge thereof and entirely within said body, certain of said perforations extending beyond others towards said edge whereby upon removal of a strip from said edge, any of said perforations which extend beyond the others will open upon the newly formed edge.

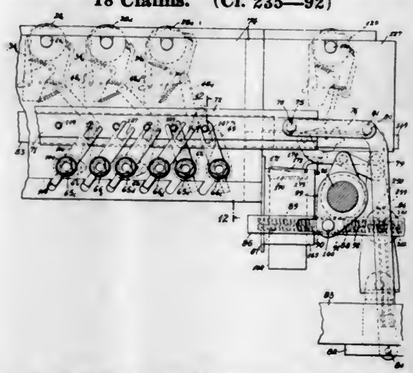
2,181,166
STATISTICAL MACHINE
William B. Austin, Ridgewood, N. J.
Application May 31, 1935, Serial No. 24,332
13 Claims. (Cl. 235—92)

2. In a key controlled statistical device, a plurality of keys arranged in denominational rows, a plurality of counters each having an actuating winding, said counters being arranged in banks, a pair of electrical contacts associated with each key, a plurality of multi-contact relays associated with each of said keys in one of said denominational rows, said relays having their contacts interconnected with the windings of said counters, whereby any given relay may control the energization of a single counter in each bank, a single relay for each key in a second of said denominational rows adapted to be energized when its key is depressed, said single relays being provided with multi-contacts, connections between the contacts of said single relays and the actuating windings of said first relays whereby said single relays may control the energizing of said first relays; a double-throw, single-contact relay associated with each pair of contacts of the keys in a third of said denominational rows, and individual connections between



the contacts of said last relays and the return circuits of the banks of counter windings, whereby said first relays and said last relays conjointly control the energization of said counter windings.

2,181,167
STATISTICAL MACHINE
William B. Austin, Ridgewood, N. J.
Application August 16, 1935, Serial No. 36,479
18 Claims. (Cl. 235—92)

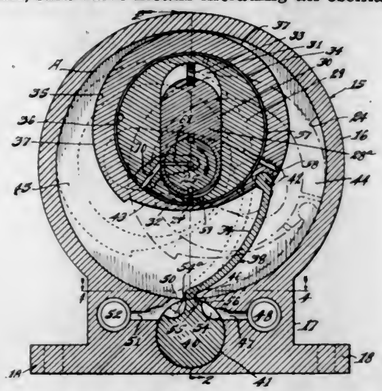


1. A statistical machine comprising a mechanism having an extended shaft, a row of "units" keys, a row of "tens" keys, and a row of "hundreds" keys for setting up indications; a pair of contacts and a plurality of magnetically operated devices interconnected therewith associated with each key in said "units" and "tens" rows, a pair of contacts and a relay interconnected therewith associated with each key in said "hundreds" row for controlling said magnetically operated devices, a plurality of banks of counters, a counter actuating mechanism operatively connected to said shaft, and actuating members for said counters conjointly controlled by a "units" key, a "tens" key and a "hundreds" key for selecting one of said banks and for placing a single counter in the bank selected in operative relation with said actuating mechanism.

2,181,168
FLUID PUMP OR MOTOR
Allen L. Barnes, Oak Park, Ill.
Application October 21, 1937, Serial No. 170,173
6 Claims. (Cl. 103—132)

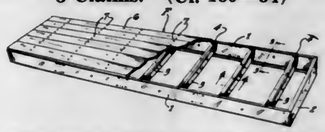
1. A fluid pump or motor as described comprising a housing having a cylindrical chamber therein, a rotary shaft in said chamber, an eccentric piston on said shaft, said chamber having

intake and exhaust ports adjacent thereto, and valve means in said housing actuatable by said piston, said valve means including an oscillatable



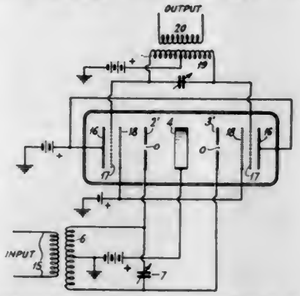
cylinder having a baffle portion pivotally connected to said piston, said cylinder constituting a valve adapted to alternately open and close said ports.

2,181,169
PREFABRICATED HOUSE
Jesse H. Bates and Thor H. Hansen, Wauwatosa, Wis., assignors to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 29, 1937, Serial No. 166,259
8 Claims. (Cl. 189—34)



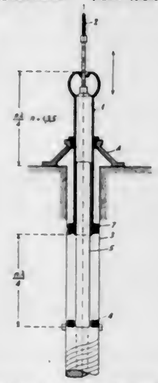
6. A floor panel of the character described comprising a metal frame made up of rigidly interconnected side and end channels, outwardly opening channels secured to said metal frame at spaced intervals, and means carried by said outwardly opening channels and to which a surfacing may be secured.

2,181,170
ELECTRONIC DEVICE
Charles H. Brown, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1937, Serial No. 166,071
7 Claims. (Cl. 250—27)



1. An electron multiplier comprising a pair of opposed surfaces capable of emitting secondary electrons which exceed in number the primary electrons impacting the same, at least one of said surfaces being apertured, means for causing an electron cloud to oscillate between said surfaces to create repeated multiplying impacts therewith, an electrode in a space outside the space between said surfaces for diverting through said apertured surface a portion of said cloud into said outside space, a surface located within said outside space and capable of emitting secondary electrons when impacted by said diverted portion, said electrode being located between said last surface and said pair of opposed surfaces.

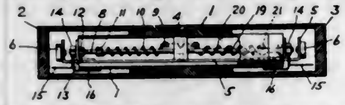
2,181,171
ANTENNA
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 12, 1938, Serial No. 195,481
In Germany March 8, 1937
6 Claims. (Cl. 250—33)



1. A short wave antenna system comprising a variable length vertical aerial conducting tube adjustable to have an effective free length equal to an odd multiple including unity of one-quarter of the length of the operating wave, a vertical concentric line section having an outer conductor and inner conductor, said aerial tube being arranged to slide over and contact the inner conductor of said line, an energy feeder also in the form of a concentric line coupled to the bottom of said vertical concentric line section the length of said inner conductor of said line section as measured from said feeder to the nearest point of contact with said aerial tube being substantially equal to the effective free length of said aerial, an insulator attached to said aerial tube and movable therewith spacing said tube from said outer conductor, and a second insulator between said inner conductor and said outer conductor arranged at a distance equal to a quarter of the length of the operating wave from said first insulator and so dimensioned that the capacity effect of said first insulator is compensated thereby.

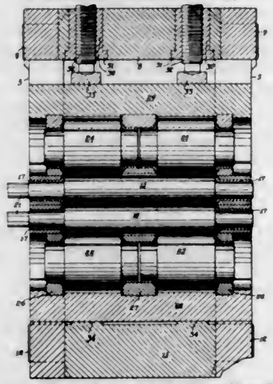
2,181,172
METER-TESTING DEVICE
Stanley B. Calhoon, Philadelphia, Pa.
Application May 18, 1937, Serial No. 143,250
7 Claims. (Cl. 265—1)

1. A meter-testing device comprising, a handle, a centering device pivotally mounted on said handle, a finger pivotally mounted on said handle and projecting adjacent said centering device so as to engage a meter part, a spring stressing said finger against rotation in one direction, a stop holding said finger and said spring against



rotation in the other direction, a pointer mounted for rotation with said finger, and indicia on said handle co-operating with said pointer to indicate the stress applied by said spring to said finger.

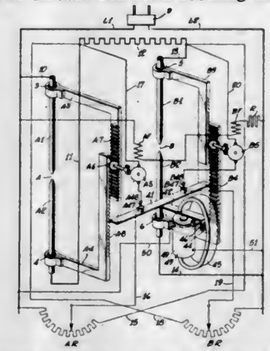
2,181,173
BACKED ROLL MILL
Gene Catulle, Brackenridge, Pa.
Application September 11, 1936, Serial No. 100,302
1 Claim. (Cl. 80—38)



The combination in a backed roll mill, of separately formed mill housings each having front and rear posts and connecting portions between their upper and lower ends and with said posts defining the housing windows, top and bottom bridging members extending between the tops and bottoms of said housings and having tenons fitting into centrally located openings within and adjacent the tops and bottoms of said posts, a pair of reducing rolls, a pair of axially aligned backing rolls for each reducing roll, a support member for each pair of backing rolls and having its opposite ends located within the housing windows, bearings for the backing roll necks carried by said support members and adjusting screws carried by the top bridging member in spaced relation one to the other and to the housings and arranged to exert pressure against the support member for the upper backing rolls in line with the bodies of such rolls.

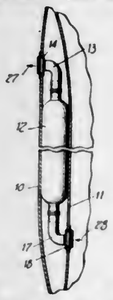
2,181,174
CONTROL FOR ARC LAMPS
Fielding C. Coates, Los Angeles, Calif., assignor to Mole-Richardson Co., Los Angeles, Calif., a limited partnership of California
Application August 27, 1938, Serial No. 227,141
In Great Britain August 17, 1938
10 Claims. (Cl. 176—12)

1. In a system for controlling the feeding of electrodes of an arc lamp, the combination of: a pair of electrodes connected across a supply line and forming an arc; an electrode holder for each electrode; an electromotive feeding means coupled to said pair of electrode holders and operable to move said holders toward each other; a circuit connecting said feeding means to said supply line to supply power for the operation thereof; normally closed switch means interposed in said circuit for said feeding means; and



polarized relay means connected across said arc and coupled to said switch means for opening said switch means when said arc is supplied with current of a predetermined polarity from said supply line.

2,181,175
GARMENT-VENTILATING MEANS
Alvin H. Cohen, New York, N. Y., assignor of one-half to Frederick L. Katz, New York, N. Y.
Application April 14, 1939, Serial No. 267,776
11 Claims. (Cl. 2—87)

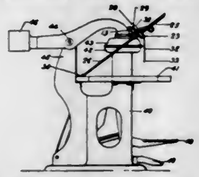


1. The combination with a garment, of a resilient compressible chamber in association with a wall thereof, communications between the chamber and the inside and outside of the garment respectively, and valve means operable upon compression and de-compression of said chamber for permitting passage of air only out of said chamber through one communication and only into said chamber through the other communication.

2,181,176
PROTECTIVE DEVICE FOR CLOTHESPRESSES
Jonathan N. Coulter and Bert Williams, Los Angeles, Calif., assignors to Kathleen A. Averill, Los Angeles, Calif.
Application September 8, 1937, Serial No. 162,883
6 Claims. (Cl. 74—614)

1. In a clothespressing machine having pressing members at least one of which is oscillatable, a vertically hanging non-rigid steam-deflecting curtain arranged to cut off the space between the pressing members from the operator when the pressing machine is closed or nearly closed,

and means actuated by the oscillatable pressing member for putting said curtain between the



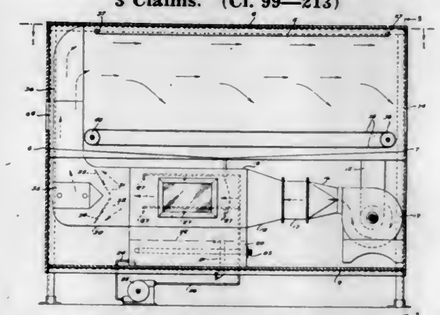
machine and the operator when the pressing members are brought together and for removing it when the pressing members are separated.

2,181,177

PROCESS OF DEPOSITION

Howard C. Davis, Elizabeth, N. J.

Application May 26, 1937, Serial No. 144,812
3 Claims. (Cl. 99—213)



1. The continuous process for sterilizing a series of articles by effecting a uniform deposition of a liquid substance having the property of effecting sterilization over the surfaces of the articles which process comprises utilizing a carrier substance that is in a gaseous state under normal atmospheric conditions for conveying the sterilizing liquid to be deposited on the articles, the gaseous carrier being substantially chemically inert with respect to the liquid substance and the article, and which process includes the steps of fixing the temperature and relative humidity of the gaseous carrier, dividing the sterilizing liquid into finely divided form in an atomizing chamber, maintaining the temperature of the liquid substance below the boiling point thereof, moving the articles to be treated in continuous succession through a treating chamber, continuously circulating the gaseous carrier in a cycle including a heating chamber to maintain the temperature of the gaseous carrier at a temperature to effect condensation of the sterilizing liquid on the articles, the atomizing chamber and the treating chamber, whereby the sterilizing liquid is converted into a gaseous state and carried by the gaseous carrier to the treating chamber wherein it is reconverted to the liquid state and deposited on the surfaces of the articles.

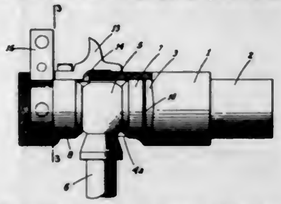
2,181,178

TRAILER HITCH

John O. Duncan, Fresno, Calif., assignor of one-half to Charles C. Liest, Fresno, Calif.

Application July 25, 1938. Serial No. 221,075
2 Claims. (Cl. 280—33.17)

1. In a ball and socket trailer hitch, a socket unit comprising a hollow body having an opening in one side to permit entry of the ball, a pair of complemental socket heads disposed in the body in spaced relation, said heads having concave adjacent faces adapted to engage the ball, one of said heads being mounted for sliding movement to and from a ball engaging position, a slot cut through the body in a plane at and beyond the back of said one head, and a key adapted for insertion through said slot when said one head is in a ball engaging position to then



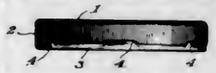
prevent retraction of said head, the body being cylindrical and the arcuate extent of the slot being less than the interior diameter of the body, said key comprising a pair of normally spaced parallel elements, means mounting said elements together for guided contracting movement and spring means between the elements to resist such movement; the elements at one end portion being formed with outer edges curved on substantially the same radius as the interior of the body.

2,181,179

CLOSURE FOR BOTTLES AND JARS AND METHOD OF MAKING THE SAME

Howard R. Eccleston, Washington, D. C., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Application June 27, 1932, Serial No. 619,573
23 Claims. (Cl. 113—121)



1. A lug cap comprising a top and a downwardly depending skirt having a uniformly cylindrical external lower end terminating in an inwardly rolled portion, the cross-sectional arcuate curve of the roll between the cylindrical portion of the skirt and the locus of substantially lowermost points on the rolled portion being substantially constant at all points around the circumference of the skirt, the cross sectional curve of said roll from said locus inwardly of the cap being struck on different radii at different points around the circumference of the skirt, whereby certain portions of the roll project inwardly more than other portions and form locking lugs.

12. The method of making a closure cap from a blank having a top and a substantially cylindrical flange terminating in a free edge, which comprises the steps of curling the free edge of the flange radially inwardly to form a bead entirely within the interior of the cap, flattening circumferentially spaced portions of the bead, and thereby projecting the relatively flattened portions radially inwardly beyond the adjacent curled bead portions to form locking lugs for said closure cap.

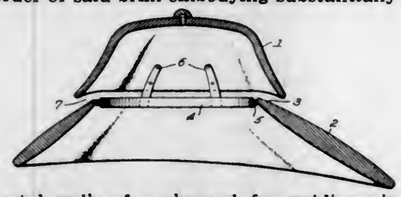
2,181,180

HAT

Rudolf Feige, Tel Aviv, Palestine

Application November 25, 1936, Serial No. 112,654
In Palestine December 12, 1935
1 Claim. (Cl. 2—176)

A hat comprising a crown, a brim separate from said crown, with an annular slot between said crown and said brim and below the level up to which the summit of a bearer's skull reaches, the lower border of said crown and the upper border of said brim embodying substantially hor-



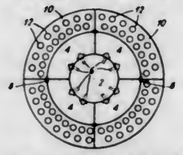
izontal walls of a channel for guiding air into and through said annular slot in substantially horizontal direction at least on the front side of the hat, and means for connecting said crown to said brim.

2,181,181

SHORT WAVE REFLECTOR

Ernst Gerhard, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 25, 1936, Serial No. 65,614
In Germany March 5, 1935
5 Claims. (Cl. 250—11)



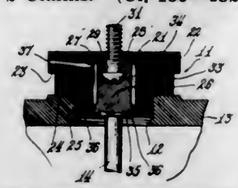
1. A hemispherical shaped reflector for ultra short waves comprising a central portion, a plurality of separate detachable parts surrounding the outside periphery of said central portion, a plurality of spring members for securing said separate detachable parts to said central portion, and a plurality of junction lugs securing the outside rim of said detachable parts together.

2,181,182

VENT PLUG TERMINAL

Charles J. Goguen, Chicago, Ill., and Samuel S. Stewart, Jr., Flint, Mich.

Application August 23, 1937, Serial No. 160,462
2 Claims. (Cl. 136—182)



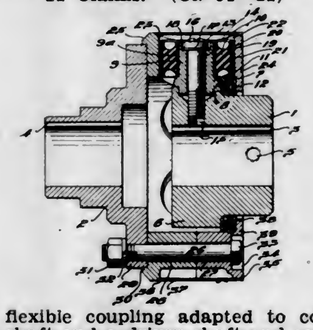
2. A terminal vent cap comprising, in combination, a body having a threaded external periphery of two different diameters and a central recess of uniform diameter extending inwardly from its bottom face, an adapter ring screwed onto the larger of said threaded diameters, a terminal, an enlarged portion at one end of said terminal having a diameter slightly smaller than that of the recess insertable in said recess, a screw having its head embedded in said enlarged portion providing a threaded extension on said terminal, said extension extending through an opening in said body at the end of said recess, a flange integral with the lower end of said enlarged portion of a size to fit snugly in the open end of said recess, vent grooves in the periphery of said flange, and a radial vent in said body.

2,181,183

FLEXIBLE COUPLING

Frederick M. Guy, Detroit, Mich., assignor to Guy and Murton, Incorporated, Detroit, Mich., a corporation of Michigan

Continuation of application Serial No. 52,035, November 29, 1935. This application September 29, 1938, Serial No. 232,380
11 Claims. (Cl. 64—11)



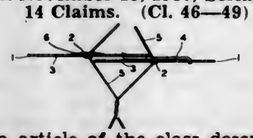
5. A flexible coupling adapted to connect a driving shaft and a driven shaft and comprising a hub, a collar concentric with said hub and spaced therefrom, said hub and collar being adapted for connection one to the driving and the other to the driven shaft, said spaced collar having a multiplicity of radial pockets therein, studs secured to said hub and extending radially thereof and into said pockets, a resilient bushing disposed about each of said studs and maintained within said pockets by positive connection with a surface of the studs and with the walls of the pockets, and means carried by each of said studs for circumferentially supporting said bushings centrally of their inner ends with the remainder of the inner end areas free from contact with said hub and the opposite ends of the bushing being substantially free from contact with said collar, thereby to permit a resiliently opposed radial displacement of said hub relative to said collar by simultaneous elongation of the resilient element of each of said bushings.

2,181,184

CHROMATIC DEVICE

Frank R. Higley, Cleveland Heights, Ohio

Application November 18, 1937, Serial No. 175,280
14 Claims. (Cl. 46—49)



1. In an article of the class described, a pair of similar disks disposed in partially overlapping relation and means extending between said disks and mounting them for adjustment about their axes.

2,181,185

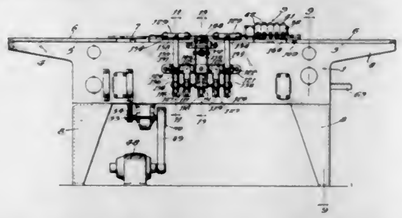
AUTOMATIC CUTTING DEVICE

Clifford E. Ives, Wilmette, Ill., assignor to Ritchey E. Landis, Chicago, Ill.

Application September 14, 1936, Serial No. 100,599
12 Claims. (Cl. 90—33)

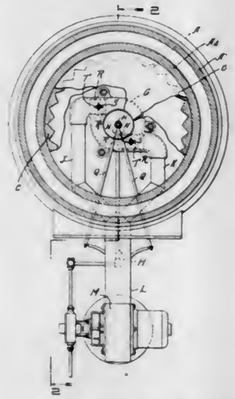
1. A mechanism of the type described which

comprises in combination, a frame, a carriage mounted for intermittent movement forwardly and backwardly over said frame, an operating zone on said frame adjacent the path of movement of said carriage, a tool mounted upon said carriage, automatic means associated in timed relationship with the movement of the carriage and secured to the leading end thereof for slid-



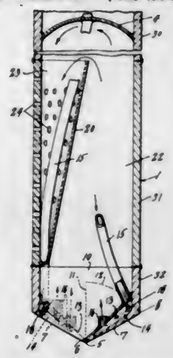
ably feeding a strip to said operating zone, means carried by said frame for aligning said strip within said operating zone, means mounted upon said frame for thereafter clamping said aligned strip within said operating zone, said tool in being carried forwardly adjacent said operating zone being adapted to act upon the strip clamped in said zone while moving longitudinally thereof.

2,181,186
OIL BURNER
James H. Jackson, Detroit, Mich.
Application December 15, 1936, Serial No. 115,974
2 Claims. (Cl. 158—28)



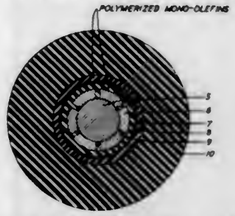
1. In an oil burner of the character described, a casing forming a mixing chamber and a combustion chamber, said combustion chamber being located at the upper portion of said casing, an oil nozzle member positioned centrally of said mixing chamber, means on said member imparting a swirling motion to the oil as it discharges into said mixing chamber, a plurality of air inlet conduits leading into said mixing chamber in tangential directions whereby a circular path of travel is imparted to the air entering said mixing chamber, the swirling motion of the air in said mixing chamber being in a direction opposite to the direction of the swirling oil introduced into said chamber, and adjustable sleeve members at the discharge ends of said air conduits for regulating the swirling motion of the air entering said mixing chamber.

2,181,187
WELL FISHING TOOL
Paul F. Jennings, Alhambra, Calif.
Application August 26, 1938, Serial No. 226,935
6 Claims. (Cl. 294—1)



1. A fishing tool of the type described comprising, a hollow body member adapted to be lowered into a hole to be cleaned, said member defining therewithin two chambers interconnected at their upper ends, one of said chambers being permanently closed at its lower end, and the other being open at its lower end, nozzle means adjacent said lower open end, and means for supplying fluid under pressure to said nozzle means, the latter being so positioned as to direct a jet of fluid issuing therefrom upwardly into the other of said chambers.

2,181,188
INSULATED CABLE
Archie R. Kemp, Westwood and Frank S. Malm, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 6, 1937, Serial No. 124,464
8 Claims. (Cl. 178—45)

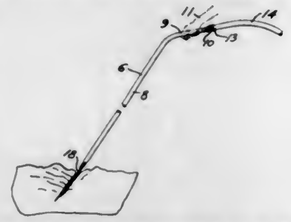


1. An insulated submarine cable conductor consisting of a highly conductive metal surrounded by a highly magnetic metal including as a pressure equalizing material surrounding said magnetic metal a viscous or semiliquid substance consisting principally and as an essential constituent of polymerized mono-olefin hydrocarbons, and thermoplastic insulation surrounding said substance.

2,181,189
GARDEN TOOL
Alexander S. Lathan, San Mateo, Calif.
Application September 17, 1938, Serial No. 230,448
3 Claims. (Cl. 47—49)

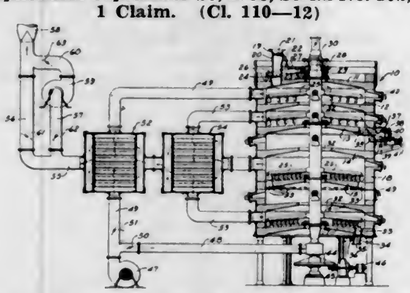
1. A gardening tool, comprising a tubular body bent at one end to form a handle, a hose connection formed on said handle; a slotted, flattened section terminating the opposite end of

said body, a flat fork body arranged to engage said slotted section and to be secured thereto, flat tines extending from said fork body, and a



nozzle formed by said flattened body section arranged to direct water over said fork body and tines.

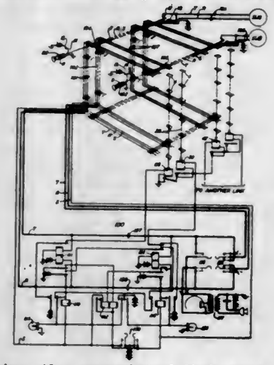
2,181,190
APPARATUS FOR TREATING MATERIAL
George R. Lewers, Brooklyn, N. Y., assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y., a corporation of New York
Application September 26, 1936, Serial No. 102,756
1 Claim. (Cl. 110—12)



In an apparatus of the character described, the combination with a furnace top having a charging chute, a hearth to receive material from said chute, a door pivoted in said chute, yielding means for holding the door closed until the weight of material on the door overcomes said yielding means, and a radial rabbling device above said hearth and rotating so as to pass beneath said charging opening, of means positively holding said door closed during the passage of the rabbling device, such positive holding means including an arm connected with said door to move it about its pivot, a link connected at one end to said door, a slide connected to the other end of said link, a cam follower rigidly connected to said slide, and a cam engaging said follower and acting to hold said door closed during the passage of the rabbling device beneath said chute.

2,181,191
TELEPHONE SYSTEM
Herbert A. Lewis, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1938, Serial No. 246,113
7 Claims. (Cl. 179—175.21)

1. In a system comprising cross-bar switches, subscribers' lines, holding bars, links, means for establishing a connection between a calling subscriber's line and a called subscriber's line over a link through a switch responsive to the automatic selection of two selecting bars and the manual operation of two holding bars, and means responsive to the further manual operation of either of said two manually operated holding bars



for identifying the associated link and either of the connected subscribers' lines.

2,181,192
TROUSER SUPPORTER
Moses Liebmann, New York, N. Y.
Application August 9, 1938, Serial No. 223,794
2 Claims. (Cl. 2—117)

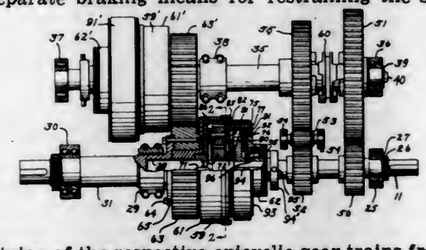


1. A trouser supporter comprising, a shirt or similar outer garment, a flat fabric section having means for detachably securing it to the rear face of the shirt above the waist line of the trousers to be supported, said fabric section being provided with a plurality of angularly disposed slits, an elastic loop member extending through and laterally slidable through the slits, said loop member having a central portion extending through a spaced pair of said slits in the section, said central portion of the loop member being disposed between one face of the fabric section and the rear face of the shirt, said loop member having spaced looped ends extending through two of the spaced angular slits in the fabric section, said looped ends projecting from between opposed faces of the shirt and fabric section, the shirt having spaced apertures, and portions of the looped ends extending through said apertures for engagement with suspender buttons on the trousers to be supported.

2,181,193
WELL RIG TRANSMISSION SYSTEM
Ralph Lillich, Houston, Tex.
Application July 9, 1937, Serial No. 152,708
5 Claims. (Cl. 74—328)

1. In a multiple speed well rig transmission system, a source of power, an input shaft operatively connected to said source of power, a countershaft parallel with said input shaft, a clutch collar slidably fixed on said countershaft, drive gears rotatively mounted on said countershaft on opposite sides of said clutch collar, said clutch collar being shiftable to engagement with either of said drive gears, gear connections between said drive gears and the input shaft for driving said drive gears in opposite directions, an epicyclic gear train on each of said shafts, each of said epicyclic gear trains having the internal gear thereof fixed to its shaft and the sun pinion there-

of rotatively mounted upon its shaft, an output shaft, a driving connection between the carrier of each of said gear trains and the output shaft, separate braking means for restraining the sun



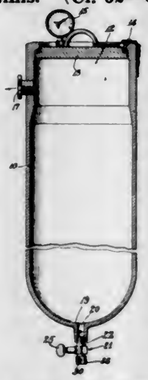
pinion of the respective epicyclic gear trains from rotation, and separate means for each of said epicyclic gear trains for locking the sun pinion thereof to its shaft.

2,181,194
BURIAL VAULT
Arthur Martin, Arthur, Ill.
Application November 14, 1938, Serial No. 240,210
2 Claims. (Cl. 72—7)



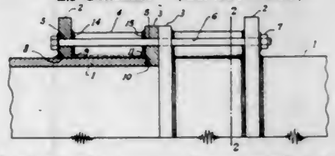
1. A burial vault comprising a cementitious body, an integral metal lining therefor having a high interior finish, said lining comprising a flange completely underlying the sides of said body, and pins welded in abutting relation to the upper side of said flange and to the exterior of said lining, said pins extending into said cementitious body and securing the lining within the body.

2,181,195
CARBON DIOXIDE CONVERTER
Roy E. McIlrath, Chicago, Ill.
Application July 22, 1938, Serial No. 220,661
2 Claims. (Cl. 62—91.5)



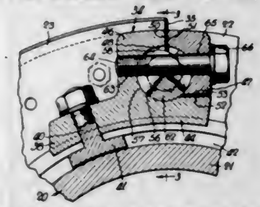
1. A solid to gaseous converter for carbon dioxide or the like comprising, in combination, a hermetically sealed container adapted to contain a mass of solid carbon dioxide, said container having an opening therein through which the solid carbon dioxide may be inserted, said opening being bordered by an inwardly facing shoulder, a closure for said opening positioned within said container and bearing against said shoulder whereby the pressure of said gas within said container forces said closure tightly against said shoulder to form a hermetical seal, an aperture located at a low point in said container, a valve body threaded in said aperture and having a bleeder port of very small cross-sectional area therein, a digitally operable valve member controlling the small port for bleeding gas from said container through said small port, the rapid flow of high pressure gas within the container to said bleeder port serving to scrub the container walls free of any oil or the like collected therein, said valve body also having a relatively large clean-out port therein communicating with said small bleeder port and directly with the interior of said container independently of said bleeder port, and a wrench-operable valve member arranged to close said larger port and to open the same for the escape of scavenging gas upon the removal thereof.

2,181,196
COMPOSITE FLANGE STRUCTURE
Benjamin H. Miller, Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application July 8, 1936, Serial No. 89,532
12 Claims. (Cl. 285—137)



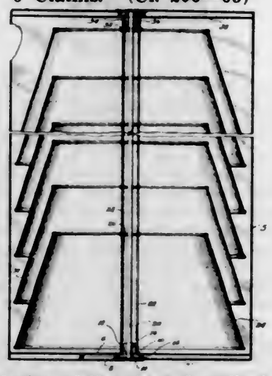
1. A flanged structure comprising adjoining bodies, at least one of which is tubular and has an end flange secured thereto and companionate to another body, an additional circumscribing flange spaced along the tubular body, both flanges having registering openings, spacer members between the flanges, and tension members extending through the openings of both flanges and into the companionate body to connect the bodies in assembled relation.

2,181,197
DEVICE FOR MAKING BOX BLANKS
Robert F. Moritz, Laurel Springs, N. J., assignor to Samuel M. Langston Co., a corporation of New Jersey
Application April 8, 1939, Serial No. 266,782
12 Claims. (Cl. 164—28)



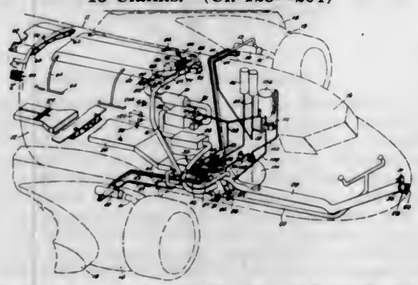
8. A device adapted to be mounted on a rotary slitter head, for making the end cuts of a flap extension on one side of an advancing box blank, including a head, an arcuate knife secured thereto and adjustable circumferentially thereof, a second knife extending axially of the head, a holder for said last mentioned knife and adjustable circumferentially of said head, a cam for adjusting said last mentioned knife in a radial plane, a clamp for holding the knife in adjusted position, and a member for locking both the blade and the cam in selected position in respect to the holder.

2,181,198
DEVICE FOR PACKAGING FOR SHIPMENT LAMP SHADES AND OTHER LIKE ARTICLES
David Moskowitz, Chicago, Ill.
Application November 21, 1938, Serial No. 241,556
6 Claims. (Cl. 206—65)



1. In a device of the class described, a rod on which are mounted a plurality of lamp shades, a plurality of tubing sections arranged to maintain said lamp shades in spaced relationship on said rod, an end wall member positioned at each extremity of said rod, said wall members being substantially coextensive in area with the end walls of a box container and arranged to align said rod with the longitudinal axis of said container, end locking members frictionally mounted on the extremities of said rod, each of said locking members having a cylindrical portion adapted to be received in the end tubing sections and arranged to rigidly secure said lamp shades on said rod.

2,181,199
OXYGENATED CABIN
Otto Harold Otterson, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application March 28, 1936, Serial No. 71,431
13 Claims. (Cl. 128—204)



1. In an aerial vehicle, adapted to be propelled through the air at various elevations, an air circulating and conditioning system which includes: a cabin provided by the ship of said aerial vehicle; an air supply means for introducing air into said cabin, and being connected to the exterior of said aerial vehicle; an air exhaust means for withdrawing air from said cabin, and being connected to the exterior of said aerial vehicle; air recirculating means whereby air may be withdrawn from said cabin and reintroduced thereinto; closing means for closing said air inlet means and said air exhaust means from the exterior and causing air to recirculate through said air recirculating means; a liquid oxygen flask; an oxygen vaporizer; a liquid oxygen supply pipe for delivering liquid oxygen to said oxygen vaporizer; an oxygen pipe extending from said vaporizer for supplying oxygen to said circulated air; a vent for said oxygen flask; a vent valve for closing said vent to develop a pressure in said oxygen flask for forcing liquid oxygen from said oxygen flask into said liquid oxygen supply pipe; and oxygen concentration sensitive means for operating said vent valve.

2,181,200
WATERTIGHT FLOORING
Louis J. Papineau, Montreal, Quebec, Canada, assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application January 29, 1936, Serial No. 61,262
3 Claims. (Cl. 20—7)



1. A refrigerator car assembly comprising a supporting substructure, a woven fabric disposed thereover, a permanently plastic waterproofing material impregnated into the said fabric and coated thereover, so as to provide a watertight layer, means securing the watertight layer to the substructure, tough resiliently yieldable sheet packing extending over the said layer, non-rigid means securing together the said packing and layer, and loading racks resting upon the said packing.

2,181,201
METHOD OF MAKING HOLLOW ARTICLES
George H. Phelps, Floral Park, and Henry S. Holmes, Brooklyn, N. Y., assignors to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York
Application August 25, 1936, Serial No. 97,739
8 Claims. (Cl. 29—152)



1. The method of making hollow articles of the character described which comprises stamping out pieces of sheet metal corresponding to certain parts of the article, those for one part having different ductility and strength from those for other parts, welding said pieces together to

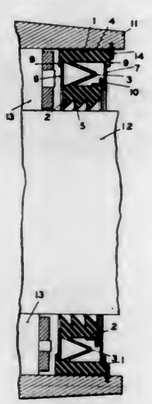
produce flat blanks, bending said flat blanks into segmental blanks, and welding said segmental blanks together to form the hollow article.

2,181,202
CRAYON HOLDER
Frank G. Prain, Spokane, Wash.
Application November 14, 1938, Serial No. 240,247
2 Claims. (Cl. 120—13)



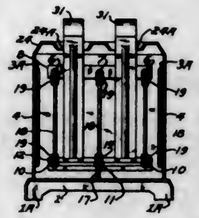
1. In a holding device for large size crayons, a holder having a plurality of resilient gripping fingers for peripheral engagement with the crayon and said fingers having releasing recesses peripherally disposed thereon near the ends of said fingers, and a ferrule movable on said fingers and having a contracting portion adapted to register with said recesses when said ferrule is shifted outwardly toward the ends of said fingers to permit expansion of the latter and said contracting portion engaging said fingers to contract the latter against the crayon when said ferrule is shifted inwardly along said fingers.

2,181,203
GREASE RETAINER
Noel S. Reynolds, St. Louis, Mo., assignor of one-half to Otto Bartling, St. Louis, Mo.
Application April 18, 1938, Serial No. 202,756
4 Claims. (Cl. 288—3)



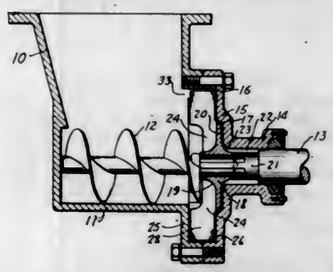
1. In a sealing device of the class described for cooperation with relatively rotatable members, an outer annular element for engagement with one of the members, an inner annular element of yieldable material spaced from the outer annular element, said last named element being provided with an annular integral projection having a resilient edge for yieldable engagement with the other of the relatively rotatable members, a flexible wall between the inner surface of the outer element and the outer surface of the inner element, said wall having such a degree of flexibility that substantially free relative radial movement between the elements will be permitted and no appreciable resistance offered to the expansion of the inner element, and a non-expansible member surrounding and engaging the outer surface of the inner element.

2,181,204
ELECTRIC TOASTER WITH REMOVABLE HEATING ELEMENT
Elzear J. Ricard, Detroit, Mich., assignor of fifteen per cent to Fred C. Juergens, Detroit, Mich.
Application November 3, 1938, Serial No. 238,501
2 Claims. (Cl. 219—19)



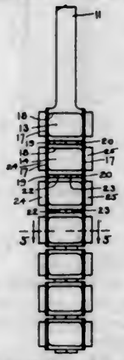
1. In an electric toaster, a principal frame member and a casing mounted upon said member, a heating element unit, said unit comprising a vertical front plate, a horizontally disposed frame secured to said plate, said frame having a top central rail, a rail upon each side of said central rail and in spaced apart relation, a bottom central rail and a rail spaced upon each side thereof, a top front cross member and a top rear cross member, said cross members secured to all of aforesaid top rails, a bottom front cross member and a bottom rear cross member, said bottom cross members secured to all of aforesaid bottom rails, a front and a rear vertical bar supporting said rails and cross members, a vertically disposed refractory plate secured to said central rails, and a similar refractory plate secured to each pair of aforesaid side rails, said refractory plates adapted for respective heating elements in combination with an electric circuit.

2,181,205
POWDER PROPELLER
Guy L. Rigor, Oswego, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application October 23, 1936, Serial No. 107,283
3 Claims. (Cl. 198—128)



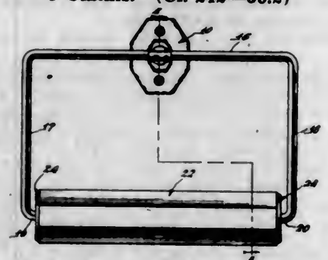
1. Apparatus of the character described comprising a hopper having an approximately semi-cylindrical bottom, a screw fitting in said bottom, a cylindrical housing at one side of the hopper at one end of the screw, of larger diameter than the screw and extending both below the lowest level of the screw and above the highest level of the screw, a centrifugal propeller in said housing and a discharge spout from the housing, the side of the hopper at the end of the screw and thereabove being open into the housing.

2,181,206
RACK FOR PHOTOGRAPHIC FILMS AND THE LIKE
Irwin C. Rinn, Chicago, Ill.
Application December 30, 1938, Serial No. 248,424
16 Claims. (Cl. 95—100)



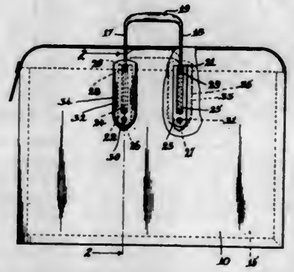
1. As a new article of manufacture, a rack for individual films and the like, comprising a sheet of springy metal cut and formed to provide a series of aligned film cells or pockets each comprising a substantially rectangular open bodied cell section having its sides provided with parallel edge grooves to receive the opposite edges of a film section, and each cell section having the metal cut from its open body portion folded backwardly along the positions of the sides of such cell section to provide wings for actuation by the fingers of a hand to deflect the edge portions of the cell outwardly from each other against the spring action of the metal, the sheet metal of the rack being cut inwardly from each side at points intermediate between the consecutive cells with central uncut portions constituting connections between the consecutive cells, and the metal of such inwardly cut portions being folded over the faces of the said connections to constitute top and bottom film supports between the cells, the rack being curved transversely along its length to provide a channel shaped device, whereby the lateral portions of the consecutive cells or pockets may be individually deflected without interference with the lateral portions of adjacent cells and by compression of the wings of a given cell or pocket towards each other, substantially as described.

2,181,207
ROLL HOLDER
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application June 12, 1937, Serial No. 147,820
3 Claims. (Cl. 242—55.2)



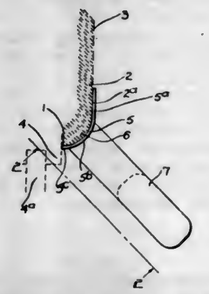
2. A roll holder comprising a bracket having a gripping member, a support comprising a rod of polygonal cross section having a portion received by said gripping member for rotatable movement relative thereto, said rod having spaced arms at the ends thereof with inwardly turned end portions on said arms, a wooden spool supported on said arm ends, and a sheet metal piece of dished cross section attached to the ends of said spool for preventing said arms of polygonal cross section from engaging the ends of said spool.

2,181,208
BRIEF CASE
William Satz, New York, N. Y.
Application March 12, 1938, Serial No. 195,554
4 Claims. (Cl. 150—12)



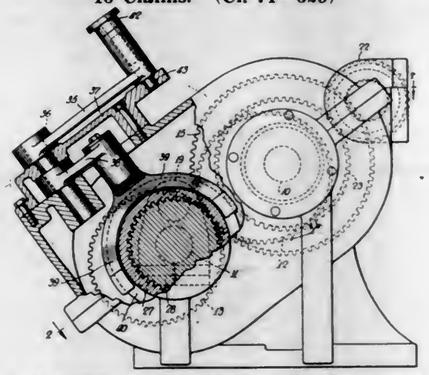
1. In combination with the front and rear walls of an article of luggage, a pair of handles, vertically disposed rigid plates having elongated tracks on which tracks the said handles are slidably mounted, sheaths secured to the front and rear walls and superposing and concealing the said rigid plates, pivotal securing means on each of the lower ends of said plates, the said securing means being mounted on the said sheaths and walls.

2,181,209
PLASTERER'S BULLNOSE FINISHING TROWEL
Henry W. Seeman and Louis E. Seeman, San Diego, Calif.
Application January 9, 1939, Serial No. 249,920
4 Claims. (Cl. 72—136)



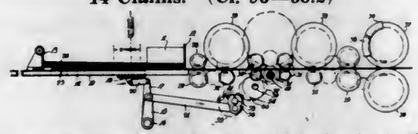
3. In a plasterer's bullnose finishing trowel of the class described, the combination of a relatively long longitudinally straight trowel blade provided with a curved portion in cross section at one side and a handle secured longitudinally along said blade at the outer side of the curved portion in substantial alignment with the radius of said curve of said blade.

2,181,210
POWER TRANSMISSION MECHANISM
Karl Sieg, Philadelphia, Pa., assignor to Samuel M. Langston Co., a corporation of New Jersey
Application May 18, 1939, Serial No. 274,335
18 Claims. (Cl. 74—325)



1. A power transmission mechanism including a drive shaft, a driven shaft, a first transmission means between said shafts for driving said driven shaft with a given time cycle and at a given angular velocity at a portion of its cycle, a second transmission means between said shafts for driving said driven shaft with a different time cycle, but at the same angular speed at a said portion of its cycle, and means for coupling either one of said transmission means for drive operation between said shafts.

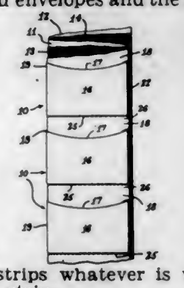
2,181,211
FEEDING MECHANISM FOR BOX BLANK MACHINES
Karl Sieg, Philadelphia, Pa., assignor to Samuel M. Langston Co., a corporation of New Jersey
Application June 22, 1939, Serial No. 280,433
14 Claims. (Cl. 93—58.2)



1. A machine for making box blanks, including a reciprocable feeding mechanism for feeding stiff sheets successively from a stack, and a power transmission mechanism for operating said feeding mechanism, including means for changing the frequency of operation of said feeding mechanism, and means for maintaining the speed of said feeding mechanism in a given portion of its cycle substantially the same regardless of changes in said frequency.

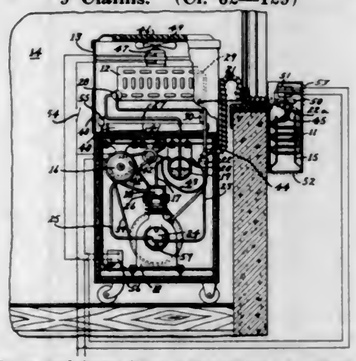
2,181,212
MANIFOLD ENVELOPE STRIP
Frederic B. Smith, Winthrop, Mass.
Application February 24, 1938, Serial No. 192,293
11 Claims. (Cl. 282—12)

1. A manifold envelope strip comprising a continuous series of envelopes and a plurality of continuous record strips superposed on the front face of said envelope series, all of said parts being made from a single continuous strip of paper folded on longitudinal lines, and transfer strips interleaved with said parts for reproducing on the front parts of said envelopes and the intermediate



record strip or strips whatever is written upon the outer record strip.

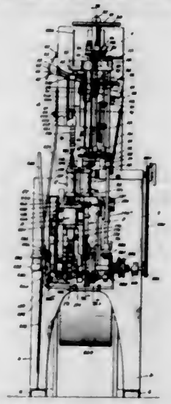
2,181,213
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 31, 1934, Serial No. 750,842
9 Claims. (Cl. 62—129)



1. In a refrigerating apparatus, a compressor, a condenser and an evaporator in refrigerant flow relationship forming a closed refrigerant flow system, said compressor having a compressed refrigerant outlet valve and an outlet valve chamber, and means to introduce liquid refrigerant from said condenser into said chamber to commingle with compressed gases passing through said valve.

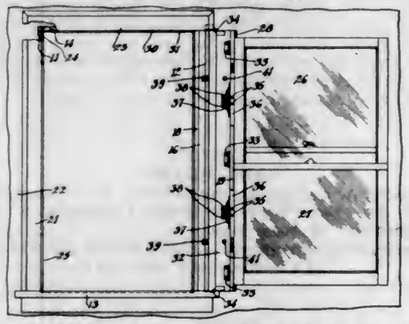
2,181,214
PACKAGE MAKING MACHINE
Floyd B. Stone and Russell C. Arquette, San Francisco, and Charles F. Rossetter and Richard J. Rossetter, Los Angeles, Calif., assignors to Paul Hawkins Company, Los Angeles, Calif., a corporation of California
Application May 18, 1936, Serial No. 80,350
10 Claims. (Cl. 93—39.1)

1. In a machine for manufacturing tubular containers from strip material, means for supporting a supply of said strip material, a mandrel, means for winding said strip material helically about said mandrel to form said strip material into a helically wound tube and to advance said tube so formed along said mandrel, means disposed at one end of said mandrel for cutting said tube so formed into predetermined lengths, a turret for receiving said cut lengths of tube and for transporting the same laterally out of the path of the advancing tube on said mandrel, bottoming means disposed out of alignment with said mandrel, including means for forming a bottom for said cut sections of tube and means for inserting said bottoms into said cut sections of tube while said sections are held in said turret,



means coordinated with said cutting means for moving said turret to convey said cut sections of tube out of the path of the advancing of the tube on the mandrel and to said bottoming means, and means for discharging said tube from said turret after said bottom has been placed in said tubes.

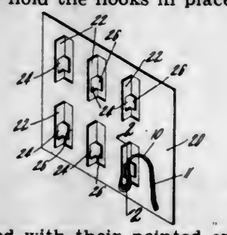
2,181,215
SWINGING WINDOW
Linnie Sweany, Canton, Ohio
Application November 5, 1938, Serial No. 239,069
7 Claims. (Cl. 20—42)



1. A window comprising a frame including a fixed jamb, a hinged trim member, a jamb hingedly connected to the hinged trim member, and a pair of sashes slidably connected to the hinged jamb only.

2,181,216
DISPLAY CARD FOR DRAPERY HOOKS
Christopher Tate, Malden, Mass., assignor to E. H. Tate Company, Boston, Mass., a corporation of Massachusetts
Application January 18, 1936, Serial No. 59,709
3 Claims. (Cl. 206—79)

1. A display card for drapery hooks, and a plurality of drapery hooks removably attached thereto, said hooks each consisting of a strip of wire bent to a U shape, one arm of the U having an extension bent back against the outer edge of said arm and pointed at its end, said card having tabs struck up therefrom engaged by said bent-back extensions and adjacent arms to hold the hooks in place, said hooks

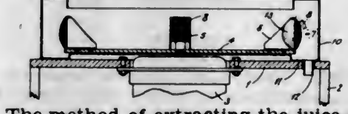


being disposed with their pointed ends adjacent to and guarded by said tabs.

2,181,217
PARASITICIDE
William P. ter Horst, Packanack Lake, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 14, 1938, Serial No. 234,956
2 Claims. (Cl. 167—22)

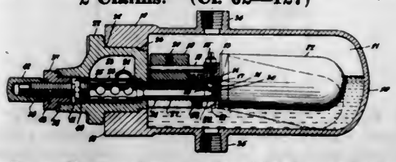
1. As a parasiticide, a preparation containing as an active constituent, a product of reaction of acetonyl acetone with ammonium thiocyanate.

2,181,218
JUICE EXTRACTION METHOD
Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 21, 1936, Serial No. 117,003
5 Claims. (Cl. 146—219)



1. The method of extracting the juice of citrus fruit which includes the steps of cutting the fruit into segments, effecting a translatory movement of the segments over a confined circular path with the rind portion of the fruit segments facing the axis of rotation, said movement being at a rate sufficient to liberate the juice from the fruit under the action of the resulting centrifugal force, and restraining the rind portion of the segment against bodily radial movement during the translatory rotation of the segments.

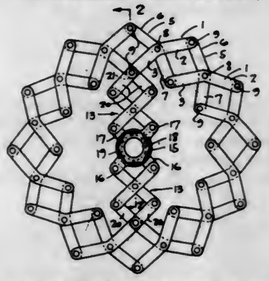
2,181,219
FLOAT VALVE
Johann Heinrich Hermann Voss, White Plains, N. Y.
Application May 20, 1937, Serial No. 143,649
2 Claims. (Cl. 62—127)



1. In a float valve, preferably for refrigerating media, the combination of a float and a counterweight closely affixed to one another, and fulcrumed near their common center of gravity, a stem secured to and swinging with these parts,

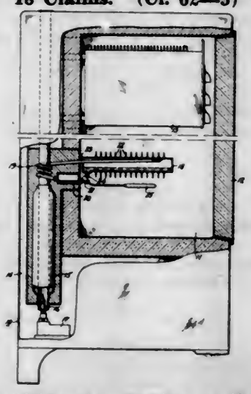
and arranged in such a manner that the direction of the motion of one of its ends is nearly perpendicular to the plane of the valve seat when the float is in position to stop the liquid supply, and a ball acting as a valve which is pressed against its seat by the action of said stem end, and means for adjusting the stem to the other swinging parts.

2,181,220
MECHANICAL MOVEMENT
Cornelis Waasdorp, Los Angeles, Calif.
Application September 27, 1935, Serial No. 42,517
11 Claims. (Cl. 74—521)



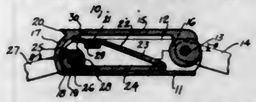
1. In a mechanical movement, a series of pairs of crossed bars pivoted where they cross, the extremities of adjacent pairs being pivotally joined to form a substantially circular structure, the axes of the pivotal connections being substantially in parallelism with the axis of the structure, and the angle formed between the pivot of each bar and the pivot points at the bar extremities being less than 180°.

2,181,221
REFRIGERATION
Nils Widell, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application March 26, 1935, Serial No. 13,013
In Germany March 29, 1934
18 Claims. (Cl. 62—5)



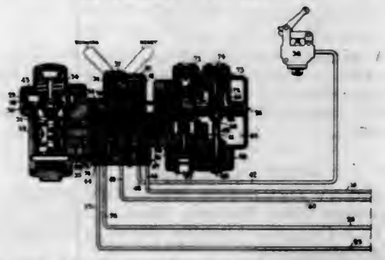
8. In a refrigerator having a thermally insulated storage compartment, continuous absorption refrigeration apparatus including a generator, a cooling element in said compartment, and a substantially constant source of heat for causing expulsion of refrigerant vapor from an absorbent in said generator the expelled refrigerant vapor being liquefied in said apparatus and flowing to said cooling element for vaporization therein, and a vaporization-condensation structure including a condenser in said storage compartment, a vaporizer arranged to be heated by said source of heat, conduits connecting said condenser and vaporizer and forming therewith a circuit adapted to contain a volatile fluid, and a thermostatically operated valve for regulating flow of fluid in said circuit responsive to temperature in said storage compartment.

2,181,222
SAFETY CLASP
Nathan B. Winkler, Brooklyn, N. Y., assignor to La France Jewelry Shop, New York, N. Y., a partnership
Application March 6, 1939, Serial No. 259,985
8 Claims. (Cl. 24—230)



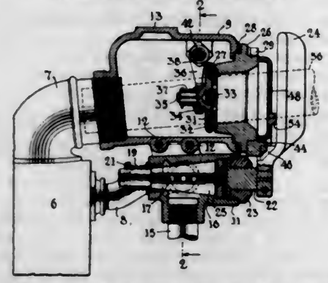
1. A device including a safety clasp comprising a casing having a bottom and side walls and being open at its top and ends, a generally V-shaped spring catch having arms adapted to be sprung toward each other, one of the arms having an abutment portion, the casing being adapted to receive said catch at an end opening and having an abutment at its top adapted to engage the said abutment portion to lock the catch, said catch having at one end a connector portion and a releasing finger portion, both located at one end of the casing, and a cover for the casing movably connected to the other end thereof, said cover being movable to open position to expose the catch for complete withdrawal of the latter, said cover being movable to closed position to overlie and enclose the catch against withdrawal, said cover having at its free end an end wall for engaging around the connector portion and for snap engagement with the bottom wall of the casing to releasably lock the cover closed.

2,181,223
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application November 17, 1937, Serial No. 175,152
34 Claims. (Cl. 303—24)



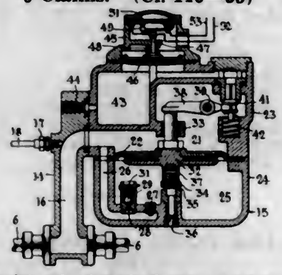
1. A fluid pressure brake system, comprising in combination, a normally vented straight air pipe; a normally charged brake pipe; means for controlling pressures in said pipes; a triple valve and associated reservoir operatively related to the brake pipe; a source of pressure fluid for applying the brakes; a brake cylinder; a relay for admitting pressure fluid from said source to the brake cylinder, and for exhausting pressure fluid from the brake cylinder, said relay including two movable abutments, either of which may actuate the relay when subjected to fluid pressure; and connections for subjecting one abutment of the relay to pressure controlled by the triple valve, and the other to pressure in the straight air pipe.

2,181,224
VALVE FOR WATER SYSTEMS OF RAILWAY CARS
Charles A. Campbell and Wayne A. Baldwin, Watertown, N. Y., assignors to The New York Air Brake Company, a corporation of New Jersey
Application September 12, 1938, Serial No. 229,614
5 Claims. (Cl. 221—74)



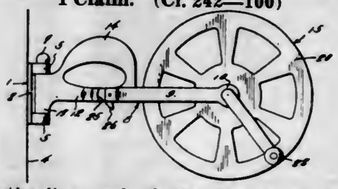
1. A filling mechanism for tanks operated under pneumatic pressure, comprising in combination with the tank and means for supplying air under pressure; an air valve having a normal position in which it connects the tank and air supply means and a filling position in which it disconnects them and vents the tank; a filling housing communicating with the tank and having a filling opening adapted to receive a filling nozzle; an inward-opening check valve for sealing said opening and arranged to be opened by the insertion of a filling nozzle; a dust cap for closing said filling opening; and means operable by motion of the air valve from filling to normal position to seat said dust cap tightly.

2,181,225
PNEUMATIC SIGNALING DEVICE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application October 6, 1938, Serial No. 233,678
6 Claims. (Cl. 116—55)



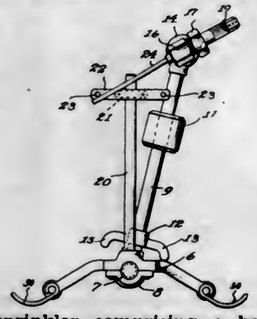
1. A combined signal device and accelerator for use in a railway signaling system of the type including a signal pipe which is normally maintained at a pressure above atmospheric and is subjected to short reductions of pressure initiated by local discharge valves, which device comprises in combination, a normally closed valve of limited flow capacity operable to vent air from said signal pipe; signaling means adapted to be rendered active by air so vented; means forming a balancing chamber; a movable abutment interposed between said chamber and the signal pipe; a normally closed valve of a flow capacity somewhat greater than that of the first named valve and controlling a vent from said chamber to atmosphere; operative connections whereby motion of said abutment under predominating chamber pressure opens both said valves; and means for charging said chamber from said pipe and for stabilizing the abutment against minor variations of signal pipe pressure, comprising a constantly open restricted passage between the chamber and signal pipe and a one way flow valve controlling a supplemental passage of limited capacity, and adapted to open when signal pipe pressure predominates.

2,181,226
CLOTHESLINE REEL
Walter J. Cutshall, Columbus, Ohio
Application October 29, 1938, Serial No 237,734
1 Claim. (Cl. 242—100)



A clothesline reel of the character described comprising a substantially U-shaped frame, a supporting arm projecting from the bight portion of said frame, said bight portion of said frame having recesses therein adjacent the opposite sides of said arm, a reel journaled in the frame, stationary jaws projecting laterally from the opposite sides of the arm in opposed relation to the recesses, and cam levers journaled in the recesses and cooperable with the stationary jaws for securing a clothesline.

2,181,227
OSCILLATING SPRINKLER
Ellery L. Davis, Lincoln, Nebr.
Application August 23, 1937, Serial No. 160,532
Renewed October 12, 1939
4 Claims. (Cl. 299—71)



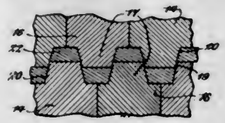
1. A sprinkler comprising a base, a hollow spindle mounted thereon, a primary oscillating pipe pivoted to the spindle, an adjustable weight mounted on the pipe, a bracket mounted on the pipe arranged to strike the base and limit the oscillation of the pipe, a cross tube mounted in a coupling at the upper end of the primary os-

cillating pipe, said cross tube terminating at its ends in unions to which are attached discharge nozzles forming secondary oscillating pipes so disposed that the reaction of the discharge from the nozzles swings the primary pipe in one direction and the reversal of the nozzles swings the said pipe in the opposite direction, a rod rigidly attached to the base and a bracket attached to the upper end thereof, pins mounted on the ends of the bracket, and means extending from one of the unions to contact said pins and reverse the movement of the primary oscillating pipe.

2,181,228
METHOD FOR PRODUCING SLITTED BLANKS

Harvey M. Gersman, New York, N. Y., assignor to Ferrex Corporation, New York, N. Y., a corporation of Delaware

Substitute for abandoned application Serial No. 685,017, August 14, 1933. This application April 21, 1939, Serial No. 269,264
4 Claims. (Cl. 80—60)

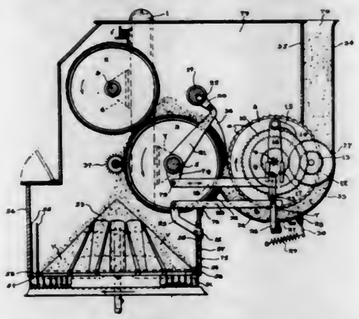


1. The method of producing a slitted blank suitable for the manufacture of metal lath which includes heating the sheet from which the blank is to be formed, slitting the sheet to provide strands and connecting bonds by deflecting alternate parallel portions in one direction while deflecting the intermediate parallel portions in the opposite direction, and displacing metal from the sides of said portions as they are deflected whereby to elongate the strands correspondingly.

2,181,229
FEEDER FOR CIGARETTE MAKING MACHINES

Claiborne W. Gooch, Jr., Lynchburg, Va.

Application May 31, 1935, Serial No. 24,448
16 Claims. (Cl. 131—39)

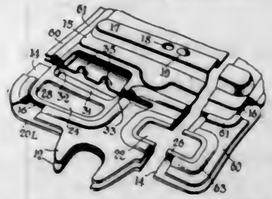


1. A feeder for cigarette making machines, comprising a spiral channel member of not less than one convolution to receive tobacco shreds and to gradually build up a desired volume of tobacco shreds in the channel to form a tobacco rod, said channel member having an effective length considerably greater than the greatest dimension of the horizontal spread of the feed of the shreds.

2,181,230
HEAT EXCHANGE APPARATUS

Keith P. Groat, Canton, Ohio, assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware

Application November 5, 1937, Serial No. 173,030
7 Claims. (Cl. 257—245)



6. In a heat exchanger of the separable plate type, the combination of a series of heat exchange plates arranged in spaced stacked relation to form interplate flow channels, at least some of said plates having through ports some of which ports are adapted to communicate with said interplate channels, said plates being offset to form continuous shoulders one of which surrounds an interplate flow channel and another of which surrounds a port in the plate; apertured gasket plates interleaved between successive exchange plates, the apertures in said gasket plates conforming to but being larger than the areas embraced by the shoulders on the heat exchange plates whereby the gasket plates are received between the offset portions of the heat exchange plates; continuous gaskets mounted on and enveloping the margins of the apertures in each of said gasket plates and sealing with offset portions of the two adjacent heat exchange plates and with the shoulder on one of said plates, the gasket plates having sufficient width outside the gaskets to sustain the gaskets against outward displacement and the shoulders on the heat exchange plates serving to sustain the gaskets against inward displacement and to limit the area of the gaskets subjected to fluid pressure; and clamping means between which said plates are confined under seal producing pressure.

2,181,231
SYNTHETIC THERMOPLASTIC RESINS

Philip H. Groggins, John T. Stearn, and Benjamin Makower, Washington, D. C.

No Drawing. Application October 5, 1938, Serial No. 233,424
6 Claims. (Cl. 260—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

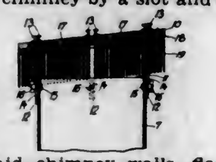
1. A process for making resinous substances, comprising esterifying a polyhydric alcohol with an aliphatic hydroxycarboxylic acid to give an ester which contains at least as many hydroxyl groups as were originally available in the alcohol and then further reacting this ester with stoichiometric quantities of a polycarboxylic acid to combine with all free hydroxyl groups.

2,181,232
DEVICE FOR FLUES, CHIMNEYS, AND THE LIKE

Johannes Haag, Neunkirchen, Germany

Application March 12, 1938, Serial No. 195,654
In Germany July 2, 1937
8 Claims. (Cl. 266—15)

1. A device for use in connection with the outlet opening of chimneys, flues and the like connected to converters, cupolas or the like, comprising a covering, having a reinforced concrete base and a seamless lining of sheet metal connected to the lower surface of said covering, supporting members rigidly connected to said covering and adjustably arranged with regard to said outlet opening of said chimney by a slot and screw con-

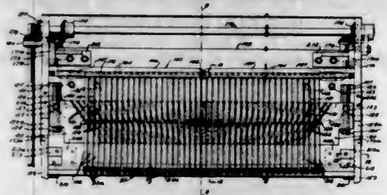


nection with said chimney walls, flanged irons connected to the edges of said seamless lining, S-shaped hooks suspended from said flanged irons, and a bar iron swingably connected to each of said S-shaped hooks, said bar irons forming a movable curtain all around the edge of said covering and said outlet opening.

2,181,233
BAND BLADE SLICING MACHINE

William Walter Hartman, Los Angeles, Calif.

Application March 24, 1939, Serial No. 263,928
16 Claims. (Cl. 146—88)

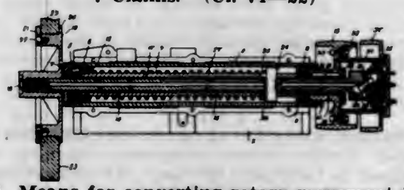


1. Adjusting mechanism comprising the combination of a multiplicity of substantially alined elements, said elements being adjustable with respect to each other substantially longitudinally of said alinement, arm supporting means, a multiplicity of swinging arms pivotally mounted on said supporting means on parallel pivot axes, each of said elements being operatively associated with one of said swinging arms and being movable therewith for adjustment, and means operatively associated with said arms for simultaneously swinging successive arms through progressively varying angles to vary the spacing uniformly between said elements.

2,181,234
MECHANICAL MOVEMENT

Charlie L. Hawes, Ashtabula, Ohio

Application June 23, 1938, Serial No. 215,391
7 Claims. (Cl. 74—22)

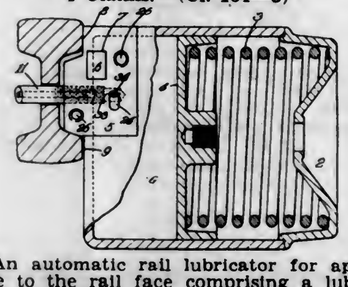


1. Means for converting rotary movement into reciprocal movement comprising a rotatable member mounted for axial movement, a rotatable member in axial alignment with said first-named member, said rotatable members having parallel faces extending in planes normal to their axes, a link disposed between and connecting said faces on said first and second named members, and means for rotating said first and second named members at different speeds.

2,181,235
RAIL GREASING APPLIANCE

Guy Clement Hurrell, London, England, assignor to The P. & M. Co. (England) Ltd., London, England, a British company

Application September 7, 1937, Serial No. 162,813
In Great Britain September 8, 1936
4 Claims. (Cl. 184—3)



3. An automatic rail lubricator for applying grease to the rail face comprising a lubricant container having means for its attachment to the rail, a plunger type grease pump actuated directly by the wheel tread and comprising a self-contained unit adjustably mounted on the lubricant container external thereto, means for supplying lubricant from said container to the pump under pressure and a greasing plate for distributing lubricant delivered by the pump over the rail face.

2,181,236
GAME DEVICE

Joseph D. Irwin, Portsmouth, Va., assignor of one-half to Jordan W. Grant, Portsmouth, Va.

Application August 11, 1938, Serial No. 224,396
2 Claims. (Cl. 273—98)



1. In a device of the class described, an elongated support member having a pair of oppositely disposed longitudinal slots, a receiver-cup associated with each slot, said cup members each having a threaded stem extended through respective slots, a retainer plate on each cup, said plate having lugs for sliding engagement in respective slots, a nut on the threaded stem for engaging the underside of the support member, a strand member anchored to the support member intermediate of the slots, and a ball member secured to the free end of the strand complemental to respective cups.

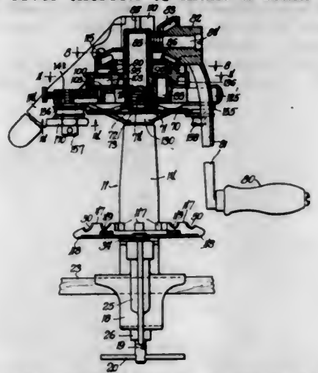
2,181,237
CAN SEALER

Clifford E. Ives, Wilmette, Ill.

Application June 1, 1935, Serial No. 24,559
16 Claims. (Cl. 113—23)

1. A sealing device of the class described comprising, a standard, means on said standard for resiliently supporting a can for sealing, a unitary operating head for effecting said sealing, means for vertically moving said head on said standard, said head comprising, means for exerting determined axial pressure on the cover of said can, driving means for rotating said can, seaming members, and cam means actuated by said driving means for progressively advancing said seaming members in a plurality of deter-

mined successive steps laterally against the can and the cover thereon to make a seam thereat



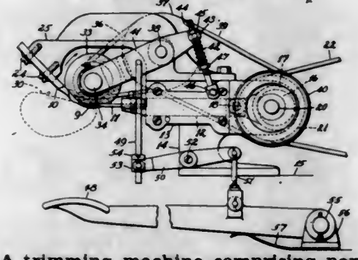
and maintaining said seaming members in each position of lateral advance for substantially one turn of said can.

2,181,238

TRIMMING AND ROUGHING MACHINE

Jacob S. Kamborian, Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application February 24, 1938, Serial No. 192,380
14 Claims. (Cl. 12—51)



1. A trimming machine comprising power-operated cutting means arranged to sever progressively a strip of surplus material from the lasting margin of the upper of a lasted shoe, a work-guiding member arranged to support said strip in position to be severed, an abrading member arranged to operate on said margin adjacent to the severing locality while said cutting means is severing the strip, and power-driven means arranged to operate said abrading member.

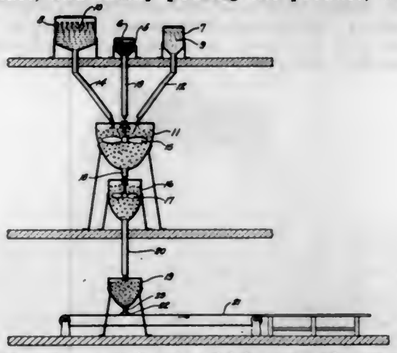
2,181,239

ART OF PREPARING PICKLED FOOD PRODUCTS

Leslie J. Kelly, William G. Mueller, and Vernon L. Brunette, Green Bay, Wis., assignors to Green Bay Food Company, Green Bay, Wis, a corporation of Wisconsin

Application April 14, 1938, Serial No. 201,889
2 Claims. (Cl. 99—144)

1. The method of preparing a molded food product, which consists in mixing solid, pickle forming food particles with an edible pickling liquor, subjecting the mixture to heat and agitation, during the heating step adding a gummy substance to the mixture and causing portions of the gummy substance to encase the individual food particles, then adding a gelatinous substance to the mixture and immediately cooling the product, and finally pouring the product, while



fluent, into containers, which are subsequently sealed and in which the material, all of which is edible, congeals in mold formations.

2,181,240

METHOD OF PRODUCING A DOUBLE-WALLED CONTAINER

Herman K. Kimble, Vineland, N. J.

Application October 9, 1936, Serial No. 104,793
5 Claims. (Cl. 49—82)



3. The method of producing a double-walled container which consists in forming a neck section having a free edge portion surrounded by a depending skirt, then sealing an inner vessel to the said free edge portion of the neck section, and thereafter sealing an outer vessel to the free edge portion of the depending skirt.

2,181,241

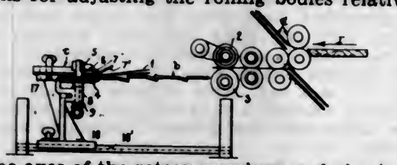
PAPER SHEET FEEDING MECHANISM

Rudolf Klemm, Leipzig-Plagwitz, Germany, assignor to Gebruder Brehmer Maschinenfabrik, Leipzig-Plagwitz, Germany

Application June 29, 1938, Serial No. 216,611
In Germany July 6, 1937
19 Claims. (Cl. 271—52)

1. Paper sheet feeding mechanism comprising in association with a stationary horizontal sheet feed table a guide rail for directing the sheets thereover and arranged to be adjustable thereto, a series of rotary members parallel with the guide rail and adapted to present to the sheets a train

of consecutive substantially horizontal rotating surfaces aligned with the guide rail and operated to urge the sheets along and towards the guide rail, a corresponding series of rolling bodies in individual co-operative contact with corresponding rotating members in front of the guide rail, means for adjusting the rolling bodies relatively



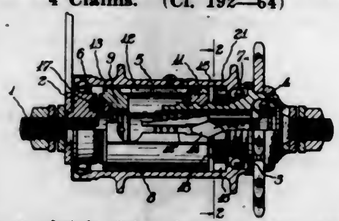
to the axes of the rotary members and also independently longitudinally of the guide rail, thereby enabling the points of contact between the rotating members and their co-operating rolling bodies and accordingly both the contact forces of the sheets with the rail and the feed speed of the sheets to be controlled at will.

2,181,242

FREEWHEELING DRIVE

Stanley B. Kurzina, Jr., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 10, 1937, Serial No. 136,160
4 Claims. (Cl. 192—64)



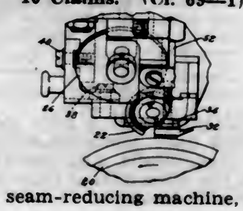
1. In a clutch drive for a coaster brake, a cylindrical driven member, a pair of substantially semi-cylindrical driving clutch members having roughened clutch surfaces adjacent their ends, said surfaces having a larger radius than the internal radius of the driven member, and means for rotating said driving members and wedging the ends thereof apart, the central portions of the driving members being of reduced cross section to render the same flexible so that increasing pressure on the driving members causes the area of the clutch surfaces in contact with the hub to extend gradually inward from the ends of the driving members.

2,181,243

SEAM REDUCING

Clifford K. MacDonald, Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 2, 1937, Serial No. 177,768
10 Claims. (Cl. 69—1)



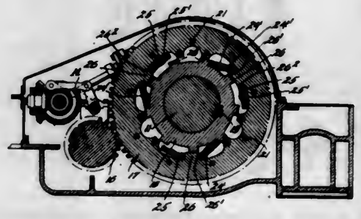
10. In a seam-reducing machine, a work-supporting feed roll adapted for engagement with the display surface of a seamed upper, a grooved searing tool adapted for engagement with the seam ridge, means for pressing said tool into firm engagement with the work supported on said roll, feeding means engageable with the work adjacent to said tool, and means for heating said tool.

2,181,244

PROPULSION UNIT

John A. McGrew, Albany, N. Y.

Original application May 16, 1935, Serial No. 21,855, now Patent No. 2,078,262, dated April 27, 1937. Divided and this application December 4, 1936, Serial No. 114,240
5 Claims. (Cl. 74—576)



3. In a locomotive propulsion unit or the like, which includes a driving axle member and a gear member rotatably mounted thereon; the combination of pawls rockably trunnioned in one of said members and movable into and out of engagement with the second member, means operatively connected with said pawls for effecting their engagement when relative rotation of said members in one direction occurs and for disengaging the pawls when said members relatively rotate in the opposite direction, said means including an annular ring supported upon a stationary portion of said unit concentric with the axle, and an adjustable spring pressed braking element for engaging said ring to restrict rotary movement thereof in either direction.

2,181,245

AUTOMOBILE BUMPER

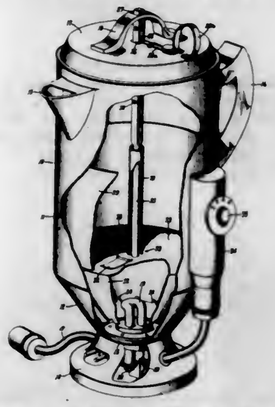
William J. McIntyre, Jersey City, N. J.

Application April 6, 1938, Serial No. 200,373
15 Claims. (Cl. 250—33)



1. Means for use in insulating a vehicle bumper from a support member, including insulators disposed in cooperative relationship on each side of the support member, metallic members encompassing said insulators, and means for forcing said metallic members together for causing said insulators to grip said support member, and a bolt carried by the bumper with means for fastening the bolt to one of said metallic members, thereby anchoring said metallic member to the bumper.

2,181,246
COFFEE MAKER
Roderick S. McNeil, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application September 29, 1937, Serial No. 166,313
7 Claims. (Cl. 53—3)

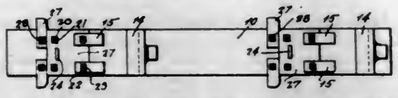


1. A coffee maker comprising an infusion receptacle, a bell in the bottom of said receptacle movable upwardly by the generation of pressure under it when the water in the bell is heated, means for heating said water, a coffee container in said receptacle engaged by said bell so as to be moved upwardly when the bell moves upwardly, and the receptacle and bell having side walls that taper inwardly as they approach the bottom of said receptacle so that when a relatively small quantity of water is used a sufficiently high water level is established in said receptacle to cause the bell to rise when the liquid in the bell is heated to generate pressure under the bell.

2,181,247
METHOD OF COATING GLOVES
Edward E. Montgomery, Coshocton, Ohio, assignor to Edmont Manufacturing Company, Coshocton, Ohio, a corporation of Ohio
No Drawing. Application December 8, 1938, Serial No. 244,691
1 Claim. (Cl. 91—68)

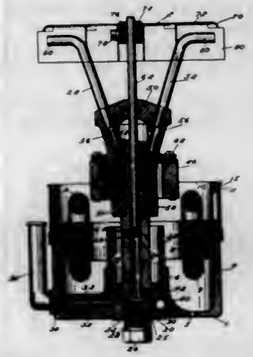
The method of producing a glove which consists in forming the glove in the desired shape, submerging the glove in liquid latex, and, while the said latex surface is wet or tacky, spraying particles of dry ground rubber thereon by a compressed air spray gun.

2,181,248
RAIL TIE AND ANCHOR
Sam Morano, Morgantown, W. Va.
Application February 15, 1939, Serial No. 256,539
4 Claims. (Cl. 238—331)



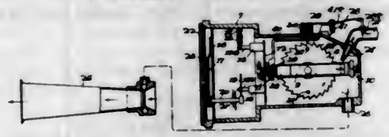
1. In a rail tie and anchor, a tie having a flat top wall and rail anchor means at each end of the top wall including a rail clamp rigid with the top wall and a cooperating rail clamp slidably mounted above the top wall, the mounting for the sliding rail clamp including a pair of separate plates flatly engaged with and respectively disposed above and below the flat top wall and of substantially the same width as the tie with the flat top wall sandwiched therebetween, said wall having longitudinally extending slotted openings therein and headed nut and bolt combinations connecting the upper and lower plates with the bolts extending through said slotted openings and adapted to move said plates into binding engagement with the top wall of said tie, said bolt being slidable in said longitudinally extending slots and carrying therewith said plates and the slidable rail clamp carried thereby.

2,181,249
PUMP FOR LIQUID FUEL BURNING APPARATUS
Milton A. Powers, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application August 11, 1936, Serial No. 95,413
16 Claims. (Cl. 103—87)



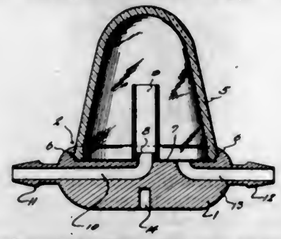
1. A fuel lifting and projecting head assembly comprising a motor casing having means forming a pair of upright stationary cylindrical walls therein, concentrically spaced to provide an annular chamber; means closing the lower end of said chamber and supplying oil thereto; a rotor unit; said unit having a portion projecting downwardly into said annular chamber and cooperating with the latter to pump oil upwardly through the unit; and an armature in said motor casing for driving said rotor unit.

2,181,250
SPEED CONTROL FOR GYRO ROTORS
Wladimir A. Reichel, Bellerose, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 28, 1937, Serial No. 122,890
5 Claims. (Cl. 74—5)



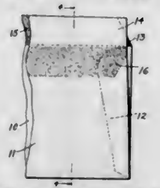
1. In combination with a gyro rotor, means for driving said rotor, vibrating means controlling said driving means, and electrical means controlled by the speed of said rotor for controlling said vibrating means.

2,181,251
EMBALMER'S INSTRUMENT
John O. Tufts, Loveland, Ohio
Application January 11, 1939, Serial No. 250,416
1 Claim. (Cl. 27—23)



An embalmer's instrument comprising a body having a substantially flat top portion surrounded by an annular flange, the inner wall of the flange having bayonet slots therein, a transparent dome having its lower end fitting in the space formed by the flange, lugs on said lower end of the dome for engaging the slots, a short centrally arranged tubular nipple extending from the flat part of the body into the space formed by the flange, a vertically arranged tube having its lower end fitting over the nipple and said body having an inlet passage extending from the nipple through a side portion of the body, an outlet passage formed in the body with its upper end in communication with the interior of the dome, the underside of the body having a socket therein for receiving a supporting member.

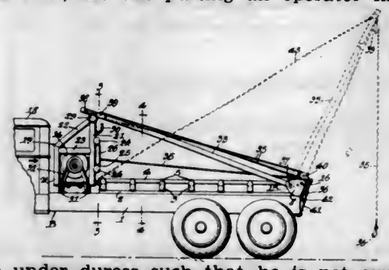
2,181,252
SAFETY ENVELOPE
Max Vogel, Frankfort-on-the-Main, Germany
Application November 18, 1933, Serial No. 698,624
In Germany October 10, 1933
3 Claims. (Cl. 229—80)



3. In an envelope, front and back portions, one portion having an adhesive section upon one side spaced from its upper edge, a protective section between said adhesive section and said upper edge free of an adhesive on both sides and adapted to be folded upon said adhesive section to cover it, the other portion having an adhesive section upon one side adjacent its upper edge, one of said adhesive sections adapted to be folded upon the other adhesive section, said protective section in one position adapted to be interposed between said adhesive sections, one of said adhesive sections adapted in another position of said protective section to be folded upon the other adhesive section without said protective section interposed whereby said adhesive sections contact each other, one adhesive section adapted to adhere to the other adhesive section upon contact therewith.

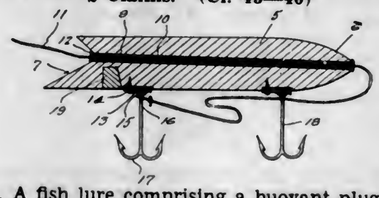
2,181,253
TRAVERSING HOIST FOR MATERIAL AND ARTICLE HANDLING
John Jerome Willis, Odessa, Tex.
Application February 10, 1938, Serial No. 189,838
2 Claims. (Cl. 212—8)

1. In a traversing hoist for material and article handling, a truck, an operator's cab on the truck, a frame on the truck, behind and closely adjacent to the cab, the frame extending upwardly to a greater height than the cab and laterally at least as far as the sides of the cab, to reduce the possibility of the cab being crushed if the truck rolls over, the cab putting an operator in the



cab under duress such that he is not exposed beyond the guarding limits of the frame, a gin pole pivotally associated with the truck and resting in an inoperative position on top of the frame, in independent relation to the cab, and hoisting mechanism operatively associated with the gin pole and mounted in part on the frame.

2,181,254
ARTIFICIAL MINNOW
Vernon H. Wilson, Olympia, Wash.
Application July 7, 1938, Serial No. 218,007
2 Claims. (Cl. 43—46)

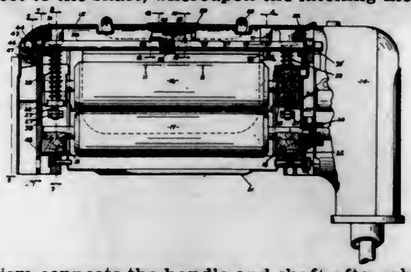


1. A fish lure comprising a buoyant plug having a longitudinal bore extending therethrough for freely receiving a fish line, a spring clip secured to the under side of the plug, said clip having an open end extending rearwardly, and a hook releasably carried by the clip and attached to said line, said hook being released when struck by a fish to free the plug for sliding movement on the line.

2,181,255
WRINGER RELEASE MECHANISM
Alpheus W. Altorfer, Peoria, Ill.
Application June 29, 1936, Serial No. 87,909
10 Claims. (Cl. 68—261)

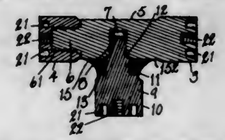
1. A wringer having in combination, a lower frame, a separable top frame, rolls in the lower frame, pressure means for the rolls exerting pressure from the top frame, the pressure being increased when the top frame is moved toward the lower frame and greatest when the top frame is fixed upon the lower frame, mechanism for moving the top frame toward the lower frame in opposition to the pressure means, including a shaft disposed longitudinally of the top frame and mounted for rotation therein, cams on said shaft, hook members on the lower frame engageable by said cams in such relation that rotation of the shaft causes the cams to engage the hooks and draw the associated top frame toward the lower frame, latch mechanism locking the shaft and cams against reverse rotation to fix the top frame on the lower frame in pressure applying

position, means to rotate the shaft comprising a handle mounted for pivotal movement co-axial with the shaft, and a latching device connecting the handle and shaft in such a manner that the handle may be moved in one direction with respect to the shaft, whereupon the latching mech-



anism connects the handle and shaft after which the handle may be moved in the opposite direction with the shaft rotating in accompaniment therewith to bring the top frame into fixed position as aforesaid, the latched relation being removed after completion of the above mentioned movement.

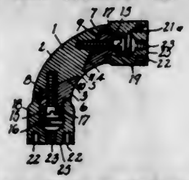
2,181,256
CORE FOR ELECTRODEPOSITING PIPE COUPLINGS
Alfred C. Arbogast, Elkhart, Ind., assignor to Northern Indiana Brass Company, Elkhart, Ind.
Application November 23, 1937, Serial No. 176,091
8 Claims. (Cl. 204—6)



1. A core for use in electrodepositing a branched fitting comprising a pair of elements threadedly connected to form a main core member, said elements having enlarged end portions suitable for forming female coupling sockets on the electrodeposited fitting, a branch forming section threadedly engaging one of said first named elements and extending laterally thereof, said section likewise having an enlarged end portion for forming a coupling socket on said fitting, said branch section being reduced to provide an annular recess between the same and the transverse member, and an annular rubber shoulder forming insert in said recess, said insert being externally curved to a feather edge whereby the surface thereof merges with the surfaces of said branch section and transverse member to form a rounded seamless shoulder connecting the same.

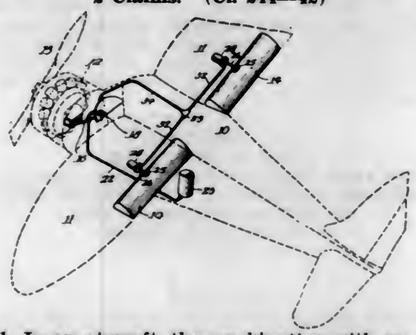
2,181,257
CORE FOR PRODUCING PIPE COUPLINGS BY ELECTRODEPOSITION
Alfred C. Arbogast, Elkhart, Ind., assignor to Northern Indiana Brass Company, Elkhart, Ind.
Application November 23, 1937, Serial No. 176,092
2 Claims. (Cl. 204—6)

1. A core for producing electrodeposited elbow couplings, comprising an arcuate element having the surface thereof curved in conformity with the curvature of the elbow to be produced, said element being angularly truncated at opposite sides, a plurality of sections adapted to be associated with said element and having curved surfaces complementing the surface of the element when associated relative thereto, means engaging said element and sections for connecting the



same and means for completing said core comprising a pair of end members threadedly engageable with said sections, said members and sections being removable to facilitate removal of the core from the finished coupling.

2,181,258
OPERATING DEVICE FOR CONTROL SURFACES FOR AIRPLANES
Robert W. Ayer, Wayne, Mich., assignor, by mesne assignments, to Aviation Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application October 27, 1937, Serial No. 171,219
2 Claims. (Cl. 244—42)

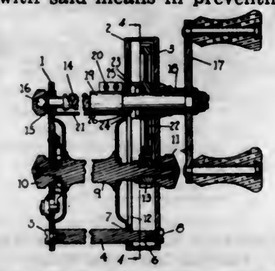


1. In an aircraft, the combination with an internal combustion engine and a variable airfoil of a suction-operable structure comprising a piston and cylinder for shifting the variable airfoil, a vacuum-tank connected to be exhausted from the intake of the engine, and a valve for conjointly controlling the connection between the engine and the tank and the tank and the structure, said valve being provided with means for cutting off the tank from the engine and for delivering vacuum to and releasing the vacuum in the structure independently of the engine.

2,181,259
FISHING REEL
William G. Balz and Earle D. Clickner, Kalamazoo, Mich., assignors to Shakespeare Company, Kalamazoo, Mich.
Application August 16, 1937, Serial No. 159,241
4 Claims. (Cl. 242—84.4)

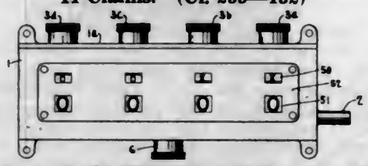
4. In a fishing reel, the combination of head and tail plates, pillars connecting the same, a gear housing member coacting with said head plate to provide a gear housing, a spool journaled in said reel and provided with a pinion disposed interiorly of the gear housing, a traversing shaft journaled in said tail plate and housing member, a hand crank removably secured on the head end of said shaft, and a gear on said shaft meshing with said spool pinion, said shaft and gear having

coacting means preventing relative angular movement of the gear and shaft and axial movement of the gear on said shaft inwardly and permitting axial movement of the gear on the shaft in the opposite direction, said housing member coacting with said means in preventing separa-



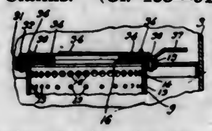
tion of the gear, shaft, and housing member; the housing member, hand crank, gear, and shaft being removable as a unit, and said hand crank being removable from said shaft to permit separation of the gear, shaft, and housing member when desired.

2,181,260
COUNTER
Harvey N. Bliss, West Hartford, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut
Application August 19, 1935, Serial No. 36,795
11 Claims. (Cl. 235—132)



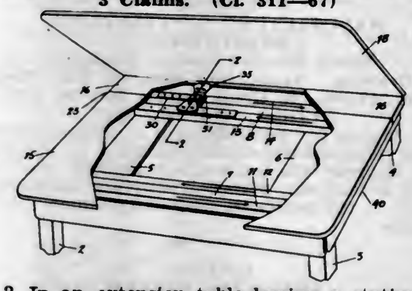
1. In a predetermining counter, operatively connected counter units, predetermining mechanism operative when said units reach a predetermined count and also including adjustable setting mechanism, a closed casing enclosing said elements, and means for adjusting said setting mechanism while said casing remains closed, said adjustable setting mechanism including a rotatable setting controlling member for each unit axially actuated when the predetermined count is reached and said means for adjusting said mechanism including an adjusting member for each controlling member.

2,181,261
BURNER FOR LIQUID FUEL
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application March 18, 1937, Serial No. 131,573
3 Claims. (Cl. 158—91)



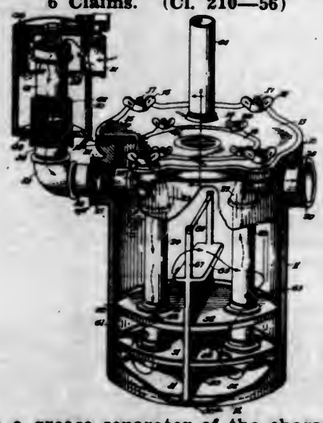
1. A mechanism for burning liquid fuel, which includes a chamber and means for admitting liquid fuel to the bottom thereof, a wall for said chamber provided with a plurality of primary air apertures positioned at various levels above the level of the liquid fuel, means, located above said primary air apertures, for admitting secondary air to the upwardly rising mixture of vaporized fuel and primary air, and means for varying the flow of air through said air apertures, including a baffle located at an upper portion of said chamber, an aperture in said baffle, and means for varying the effective cross sectional area of said aperture.

2,181,262
EXTENSION TABLE
Estey P. Charak, Newton Center, Mass., assignor to Charak Furniture Company, Boston, Mass.
Application August 14, 1936, Serial No. 95,983
3 Claims. (Cl. 311—67)



2. In an extension table having a stationary frame, and extension beams in which the beams may be moved longitudinally with respect to each other to allow for the insertion of extra leaves, a top composed of two unequal parts, means hinging each one of said parts respectively to only one of said extension beams, the pivots of said hinging means being in the same vertical line to allow horizontal rotation of said parts together, and a second top piece hinged to the smaller of said parts and adapted to fold over in face to face relationship with said first top.

2,181,263
GREASE SEPARATOR
George J. Dehn, Chicago, Ill.
Application February 16, 1937, Serial No. 126,013
6 Claims. (Cl. 210—56)



1. In a grease separator of the character described, the combination of a basin provided with an inlet and an outlet for the circulation of drainage therethrough, means in the basin for separating grease from the drainage as the latter

circulates or flows through the basin, a casing outside of and above the basin adapted to receive the drainage prior to flow through the basin and embodying an inlet for the drainage and a removable cover for providing access to the interior thereof, a pipe connection leading from the top portion of the casing interior through the casing to the basin inlet for conducting the drainage from the casing to said basin inlet, and a valve for varying the rate of flow of the drainage through the pipe connection mounted within the upper portion of the casing on the casing end of the pipe connection and accessible for regulating purposes upon removal of the cover.

2,181,264

MANUFACTURE OF CELLULOSE DERIVATIVES

Henry Dreyfus, London, England

No Drawing. Application June 18, 1937, Serial No. 148,968. In Great Britain July 16, 1936

7 Claims. (Cl. 260—231)

1. Process for the production of cellulose ethers from cellulosic materials containing or yielding free hydroxy groups, which comprises reacting such a cellulosic material with an etherifying agent in the presence of dimethylamino-cyclohexane.

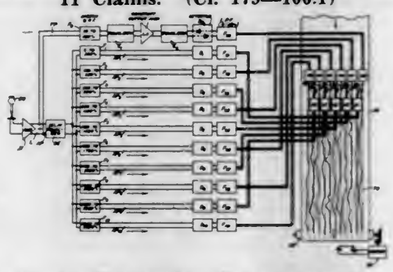
2,181,265

SIGNALING SYSTEM

Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 25, 1937, Serial No. 160,759

11 Claims. (Cl. 179—100.1)



1. A recording system for a message represented by a complex electrical wave of a wide band of audible frequencies, said system comprising means for selecting a number of substantially independent characteristics of said wave, means for producing a plurality of low frequency currents each having a fundamental frequency of less than ten cycles per second and each defining one of the characteristics of said wave, and means controlled by said low frequency currents for producing a visual record from which the word content of said message may be interpreted by the eye.

2,181,266

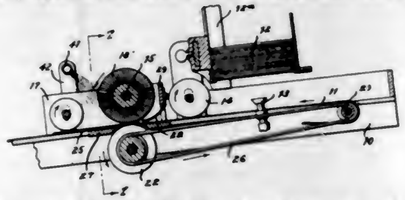
CLEANING BRUSH

Paul H. Durup, Wollaston, Mass., assignor to Art-O-Graphic Printing Company, Inc., Boston, Mass., a corporation of Massachusetts

Application June 2, 1938, Serial No. 211,348

4 Claims. (Cl. 271—12)

1. A cleaning mechanism for envelopes, cards and like materials to be printed comprising in combination a conveyor, a rotating body in said conveyor, supporting means for presenting the surface of said subject matter to the rotating body, means for maintaining the subject matter flatly against the said supporting means and driving means for facilitating advancement of said subject matter along said conveyor.



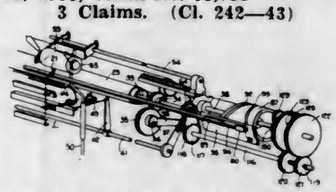
2,181,267

RECIPROCATING GUIDE HEAD FOR YARN PACKAGING DEVICE

William J. Elvin, Cumberland, Md., and Joseph L. Killoran, Drummondville, Quebec, Canada, assignors to Celanese Corporation of America, a corporation of Delaware

Original application August 30, 1934, Serial No. 742,108, now Patent No. 2,048,787, dated July 28, 1936. Divided and this application February 13, 1936, Serial No. 63,731

3 Claims. (Cl. 242—43)



1. In a machine for producing cross-wound packages of yarn, the combination with means for winding the yarn on the package at a constant speed, of means for traversing the yarn on the package comprising a shaft, a drum cam mounted on said shaft, a traverse guide rod adapted to be reciprocated by said drum cam, a second shaft driven through said winding means, a plurality of gears attached to said second shaft, floating gears supported on the drum cam shaft and adapted to mesh with the gears on said second shaft, and eccentrically mounted elliptical gears attached to said floating gears, said eccentrically mounted elliptical gears being adapted to rotate the drum cam, the construction and arrangement being such that the drum cam reciprocates the traverse guide rod at a variable speed.

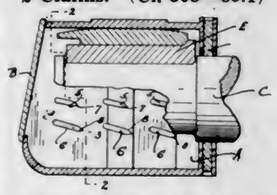
2,181,268

JOURNAL BOX

Harry Fox, Soldier Summit, Utah

Application May 14, 1937, Serial No. 142,572

2 Claims. (Cl. 308—89.1)



1. In a journal box of the class described, the combination of a box; a journal therein; a row of inwardly extended claws formed integral with and on the inside of each side of the journal box on the center line of said journal, said claws being curved inwardly and downwardly and back slightly toward the wall of the box; and a lower parallel row of claws made longer but of the same shape.

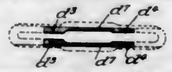
2,181,269

MANUFACTURE OF PROPELLER BLADES

Edward Fayette Gehret, Jersey Shore, Pa., assignor to Aviation Manufacturing Corporation, Williamsport, Pa., a corporation of Delaware

Application January 12, 1938, Serial No. 184,559

6 Claims. (Cl. 29—156.8)



1. That improvement in making a hollow steel propeller blade from a tubular blank, which comprises flattening a portion of the blank to form substantially flat face-sections, embossing the sections to form portions in relief thereon in the central portion thereof and to space their marginal portions different distances apart, slab-milling the embossed portions of the face-sections in substantially flat planes to leave greater wall thickness in the face-sections adjacent one margin of the face-sections and lesser wall-thickness at the other margin and reduced wall-thickness between the marginal portions, welding together the inner faces of the marginal portions, and shaping the face-sections to airfoil form.

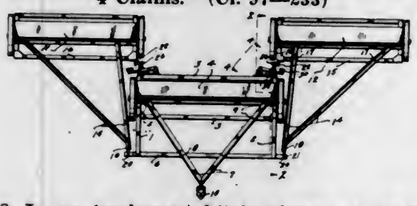
2,181,270

IMPLEMENT HITCH

Leo E. Gorger, Lexington, Oreg.

Application October 30, 1937, Serial No. 171,863

4 Claims. (Cl. 97—233)



3. In an implement hitch wherein a trailing implement is connected to a leading implement to travel a path at one side of the leading implement, means preventing the trailing implement from moving laterally into the path traveled by the leading implement comprising a vertical guide mounted on a lateral extremity of one implement nearest the other implement, and a roller journaled on the other implement at a lateral extremity nearest the first implement and arranged to engage the aforesaid guide.

2,181,271

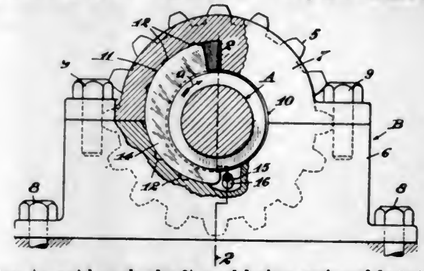
BRAKE

Mark S. Graves, Los Angeles, Calif.

Application July 7, 1936, Serial No. 89,359

2 Claims. (Cl. 188—81)

1. In combination with a driven shaft, a fixed wall surrounding the shaft formed with a tapered channel having its large end located adjacent the upper portion of the shaft and its small end at the lower portion of the shaft, a curved wedge located in said channel slidably contacting the bottom wall thereof and bearing on said shaft under the action of gravity, said wedge having its inner face concentric with and conforming to the periphery of the shaft, a cam in the lower end portion of said channel arranged to bear against the reduced end of said wedge, and a rock shaft carrying said cam, said cam normally occupying a downwardly directed position in relation to said rock shaft and being swingable laterally by said shaft against an ajacent face on the small end of said wedge.



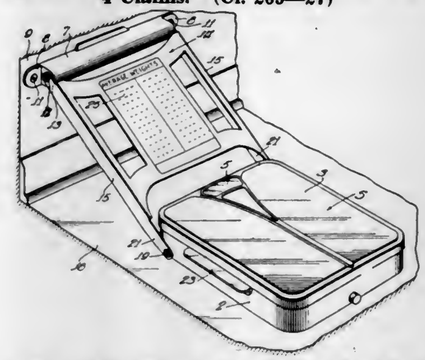
2,181,272

WEIGHING SCALE

William H. Greenleaf, Chicago, Ill.

Application October 23, 1937, Serial No. 170,591

4 Claims. (Cl. 265—27)



1. In combination, a weighing scale adapted to rest upon a substantially horizontal surface during use, a bracket adapted to be fixed upon a substantially vertical surface, a link member pivoted at one end portion relative to said bracket and pivotally connected at its other end portion to one end portion of said scale, and yielding means tending to swing said link member upwardly to a position parallel with said vertical surface.

2,181,273

VULCANIZING PRESS

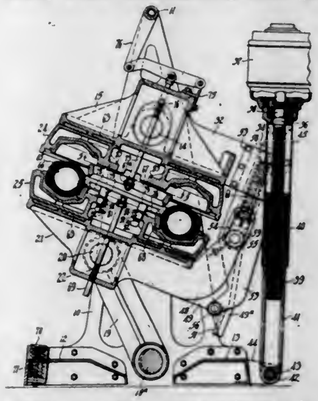
Cato Iverson, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio

Application October 23, 1936, Serial No. 107,131

13 Claims. (Cl. 18—17)

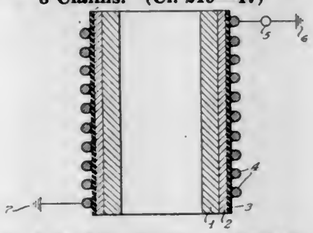
11. A press of the character described comprising a frame and a pair of relatively movable press heads, one of the latter being a floating head and the other head being pivoted directly to the frame upon an axis disposed diametrically of the head, a pitman having pivotal connection with the floating press head adapted to impart a swinging movement thereto, said pitman having lost motion connection with the other press head, power means for reciprocating said pitman, respective members mounted upon the two press heads and arranged for cooperation with each

other whereby movement of the floating press head applies force to the other press head to tilt it upon its pivot during the period of lost motion between the pitman and said last mentioned press head, while maintaining said press heads



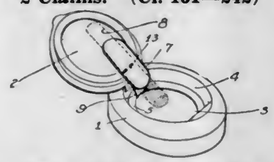
in parallelism, and a compression spring between said pitman and the press head that is pivoted directly to the frame adapted to urge said co-operating members into engagement with each other during the lost motion movement of the pitman.

2,181,274
INDUCTION HEATER CONSTRUCTION
Lloyd R. Jackson and Howard W. Russell, Columbus, Ohio, assignors to Utilities Coordinated Research, Inc., New York, N. Y., a corporation of New York
Application May 11, 1938, Serial No. 207,342
8 Claims. (Cl. 219—47)



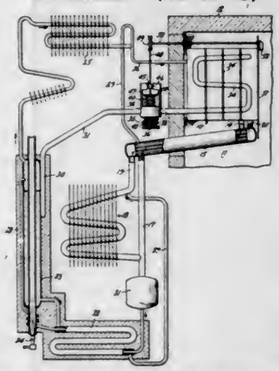
1. In an induction heater, a primary portion and a secondary portion, said secondary portion comprising a magnetic portion and a non-magnetic portion, the resistance of said non-magnetic portion being substantially equal to the inductive reactance of said secondary portion.

2,181,275
ASH-RECEPTACLE COMPACT
Abraham D. Kaner, Webster Groves, Mo.
Application January 28, 1938, Serial No. 187,401
2 Claims. (Cl. 131—242)



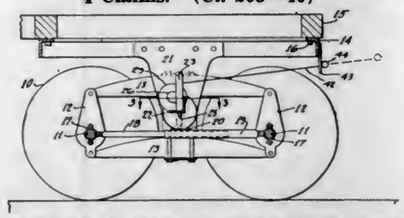
1. In an ash receptacle, an ash container; a cover movably connected to the same; a cigarette-supporting trough; a trough support pivoted to said container for movably mounting said trough to project an end of the latter into cover engaging position when said cover is in opened position; and spring means for normally holding said support in operative position to permit the trough to support a cigarette, and yieldably resisting movement of the support to inoperative position, and whereby the closing movement of said cover causes the latter to engage with and overturn said trough to its inoperative position.

2,181,276
REFRIGERATION
Wilhelm Georg Kögel, Paul Strandberg, and Gunnar Grubb, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 12, 1937, Serial No. 136,274
In Germany April 16, 1936
25 Claims. (Cl. 62—5)



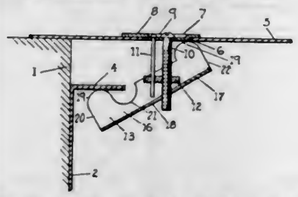
1. Apparatus for defrosting a cooling element of a refrigeration system and including a first member associated with a source of heat and another member in thermal relation with the cooling element, means connecting said members to form a closed circuit containing a volatile fluid, said circuit having an active portion in which fluid is adapted to circulate to transfer heat from the source of heat to the cooling element and an inactive portion adapted to contain fluid in a liquid state, and means responsive to the pressure existing in said circuit for controlling the quantity of liquid in said active portion to control the transfer of heat from the source of heat to the cooling element.

2,181,277
LOAD INDICATOR FOR TRUCKS
John T. Labbe, Portland, Oreg.
Application August 16, 1937, Serial No. 159,364
4 Claims. (Cl. 265—40)



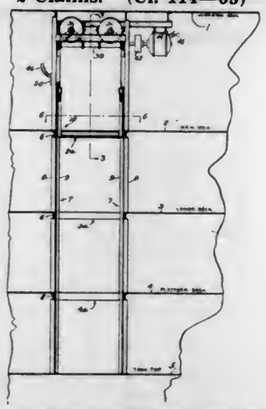
1. A load indicating device for trucks consisting of a pair of wheeled dual axles, a telescopic gauge member supported by both of said axles and normal thereto, a trailer frame mounted over said axles, springs interposed between said trailer frame and axles, a plunger slidably secured to said trailer frame normal to said gauge member, a spring for urging said plunger out of engagement with said gauge member, a measuring tape attached to said plunger and an indicator attached to said truck frame constituting a support for said tape.

2,181,278
FINISH OR WALL PLATE
William H. Lantz, Jr., Minerva, Ohio, assignor to American Electric Switch Corporation, Minerva, Ohio
Application August 21, 1937, Serial No. 160,244
3 Claims. (Cl. 220—24.2)



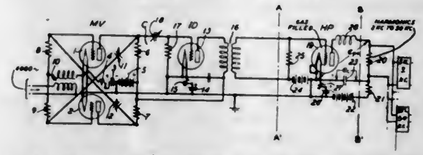
3. The combination of a finish plate for a receptacle of the class described having an inwardly projecting part, a securing means for said plate comprising a clamping screw carried by the plate, a nut member on said screw, a clamping member pivoted on said nut member and adapted to contact the plate and the projecting part on the receptacle, and means carried by the plate for preventing rotative movement of the nut member.

2,181,279
SHIP CONSTRUCTION
Martin B. McLauthlin, Malden, Mass.
Application October 6, 1937, Serial No. 167,514
2 Claims. (Cl. 114—65)



1. A vessel of the class described comprising a top deck; a bottom deck; an intermediate deck made with a hatchway; a frame bordering the hatchway and secured to the deck thereof; a plurality of vertical stanchions disposed within said hatchway and extending from the top deck to the bottom deck, the opposite ends of said stanchions being connected with said top and bottom decks, respectively, and the intermediate portions thereof being within and connected with said frame so as to support the latter and its deck; a car slidably mounted between and guided by said stanchions, and a self-contained car-operating power plant disposed in its entirety between the two uppermost decks and supported by said stanchions in close proximity to said top deck outside of the path of traffic on both of said decks, said plant comprising a reversible electric motor, two worms mounted on an extension of the armature shaft of said motor, two relatively parallel horizontal shafts each provided with a worm gear meshing with one of said worms, drums mounted on said shaft directly above said hatchway and cables extending directly from said drums to said car by which the latter is raised and lowered when said drums are rotated.

2,181,280
ELECTRICAL WAVE PRODUCTION
Ralph L. Miller, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1937, Serial No. 181,126
7 Claims. (Cl. 250—36)

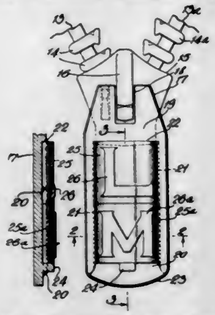


1. A harmonic producer comprising a gas-filled electron discharge device, an input circuit for said device, an output circuit for said device including a resistive impedance and a capacitor in series, a source of direct current, a circuit for charging said capacitor from said source, means to apply an alternating current control wave of a given base frequency to said input circuit to periodically cause ionization in said device so as to allow said capacitor to discharge through said device and said resistive impedance during a part of each cycle of the applied wave, and means to select from said output circuit a large number of waves of different frequencies harmonically related to said base frequency, the time constant of said output circuit being related to the time of each cycle of said control wave so as to produce an impulse wave in said output circuit, which is relatively sharp and narrow compared to the whole cycle whereby the selected waves of harmonic frequencies obtained from said output circuit are of high power levels and substantially equal amplitudes over a wide frequency range.

2,181,281
INITIALED PULL FOR SEPARABLE FASTENERS
Louis H. Morin, Bronx, N. Y., assignor to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York
Application March 19, 1938, Serial No. 196,844
6 Claims. (Cl. 40—140)

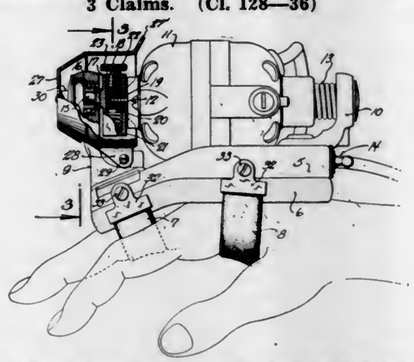
5. In combination a finger piece for separable fasteners of the class described and a plurality of characterized elements detachably arranged to form a panel on one side surface of said finger piece, said finger piece comprising a relatively long flat body, one end portion of said body having a mounting crosshead, the other end portion of said body having an elongated recess adapted to receive said elements, the side walls of said recess having means engaging the edges of said elements adjacent the same in retaining

said elements against lateral displacement from said finger piece, said elements intermediate said last named edges thereof having a transverse cross-sectional contour comprising one continu-



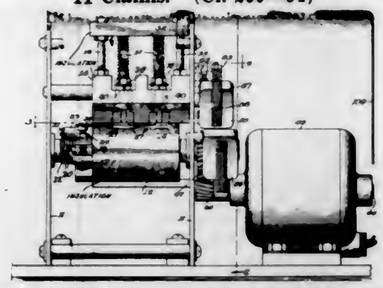
ous uniradial curve, and other cooperating means on said body and elements for retaining said elements against longitudinal movement in said recess and against accidental displacement from said finger piece.

2,181,282
VIBRATOR
John Oster, Racine, Wis., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application December 9, 1937, Serial No. 178,945
3 Claims. (Cl. 128—36)



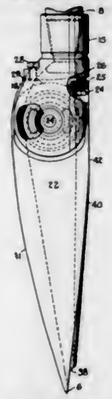
1. In a hand vibrator of the type adapted to be strapped to the hand of an operator: a base; an electric motor; flexible means supporting one end of the motor from the base and holding the motor against turning, said motor having a shaft, one end of which projects at the opposite end of the rotor; a fixed bearing carried by the base adjacent to said projecting end of the motor shaft; a stub shaft journalled in said bearing; a block transversely fixed to the stub shaft, said block having a longitudinal slideway therein closed at one end; a slide fixed to the motor shaft and slidable in said slideway; a spring between the closed end of the slideway and the slide for yieldingly urging the slide in one direction to effect relative radial motion between the stub shaft and the motor shaft; an adjusting screw closing the other end of the slideway and acting in opposition to the spring; a guard covering said block and the parts carried thereby; and means mounting the guard for swinging movement with respect to the base to enable the same to be swung to a position uncovering the block for adjustment of its screw.

2,181,283
SYNCHRONOUS CIRCUIT MAKE AND BREAK DEVICE
Walter E. Palmer, Cicero, Ill.
Application September 10, 1937, Serial No. 163,232
11 Claims. (Cl. 200—91)



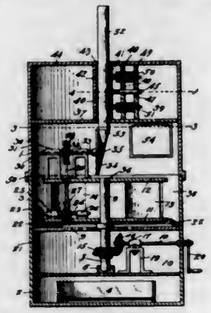
1. A rotary circuit make and break device, a synchronous motor connected with an alternating current circuit and from which motor said make and break device is normally disconnected, means embodying a shiftable connecting element for connecting said make and break device with the motor for rotation therewith, means operating automatically to shift said element to lock the make and break device and the motor for operation in unison in a manner that at the instant of the make or break the current value is zero, means also operating automatically, and at a different point in the cycle of rotation of the make and break device, to shift said element to unlock the make and break device from the motor, and means operating to maintain the motor in operation until the full throw of the make and break device has occurred.

2,181,284
SPUDDING BIT
Ernest L. Potts, Houston, Tex., assignor to Eastman Oil Well Survey Company, Dallas, Tex., a corporation
Application August 31, 1936, Serial No. 98,695
3 Claims. (Cl. 255—64)



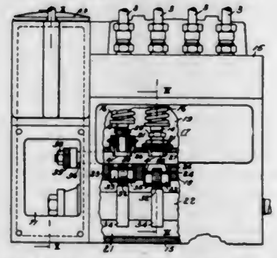
2. A deflecting tool for spudding in the bottom of a well bore to form a cavity inclined in a predetermined direction with respect to the axis of the well bore so that the cavity can be thereafter used to deflect a rotary drilling bit which comprises in combination a string of drill pipe, a bit head fixed to the lower end thereof, a wedge like blade member connected to said head, said blade having a cutting edge which is a straight line, means to fix said blade in an off center position so as to divert the bit and form a cavity at an angle to the axis of the well bore when the blade is forced longitudinally into the bottom of the well bore, said means being adjustable to predetermine the angle of deflection, and a discharge port for fluid on the outer face of said blade closely adjacent the cutting edge.

2,181,285
PENCIL SHARPENER
John George Schuler, Dutton, Mont.
Application July 2, 1938, Serial No. 217,140
21 Claims. (Cl. 120—96)



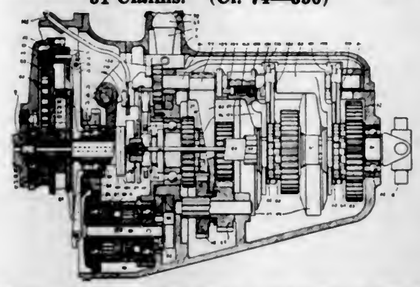
17. In a pencil sharpener, a conical abrasive wheel revoluble around a pencil end, a turntable carrying said wheel, and means whereby the rotation of said turntable will cause the operation of said wheel.

2,181,286
VACUUM RESPONSIVE GOVERNING MEANS FOR INTERNAL COMBUSTION ENGINES
Arthur F. Stern and Harvey W. Hanners, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 13, 1936, Serial No. 85,014
10 Claims. (Cl. 123—140)



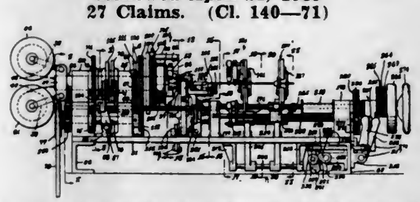
1. In combination, an internal combustion engine regulator having a movable element and fuel feeding mechanism having a plurality of fuel feeding devices, means for actuating the fuel feeding devices to deliver charges of fuel in a predetermined order, biasing means acting to maintain the fuel feeding devices operatively connected with the actuating means, and a movable control member cooperating with said fuel feeding devices and with said movable regulator element and operative when moved to vary the quantity of fuel delivered by the fuel feeding devices, said actuating means and fuel feeding devices being so correlated that a single fuel feeding device biasing means acts to restrain movement of the control member in the quantity reducing direction.

2,181,287
AUTOMATIC CHANGE SPEED MECHANISM
Russell W. Todd, Bronxville, N. Y.
Application April 1, 1936, Serial No. 72,015
31 Claims. (Cl. 74—336)



1. In an automobile, the combination with the engine and a multiple ratio transmission, of an operator's control member for initially setting said transmission for starting, a speed-torque gauge device adapted to control the setting of each ratio of the transmission during normal running, a second operator's control member and means actuated thereby for effecting a change of setting of said transmission independently of said device.

2,182,288
GRID-MAKING MACHINE
Henry M. Washburn, Newtonville, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware
Application October 26, 1936, Serial No. 107,647
Renewed April 21, 1939
27 Claims. (Cl. 140—71)

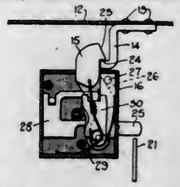


1. In a grid-making machine, a substantially stationary winding arbor having a supporting surface to support a side rod upon which a winding wire is to be wound to form a grid, cutting means for cutting notches in said side rod, into which notches said winding wire is adapted to be laid, swedging means for swedging said rod upon said winding wire, and means for moving said cutting and swedging means into engagement with said side rod to deliver cutting and swedging strokes respectively to said rod, said cutting and swedging means being mounted to move in a direction to deliver the force of said cutting and swedging strokes along a line passing substantially through the center of said side rod.

2,181,289
LOCK LATCH
Milton H. Wells, Scarsdale, N. Y.
Application May 29, 1936, Serial No. 82,410
1 Claim. (Cl. 232—41.1)

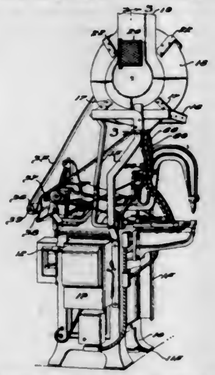
In a combined container and lock the combina-

tion of a container body, a hinged platform within said body, resilient means for urging the free end of said platform upwardly, an operating rod pivotally attached to the free end of said platform, a guideway secured to the front of the container and engaging with the operating rod intermediate its ends for constraining and guiding the operating rod to move in a vertical path, a lock mounted on the front face of the container, a pivotally mounted lock bolt forming a



part of said lock, a lateral projection on said lock bolt for rotating the same, said projection on the lock bolt lying normally in the path of movement of the operating rod and physically disconnected therefrom and out of engagement therewith when the platform is in its lowermost position, and adapted to be engaged by said operating rod to rotate the said lock bolt to unlocked position when the platform is moved from its lowermost to its uppermost position.

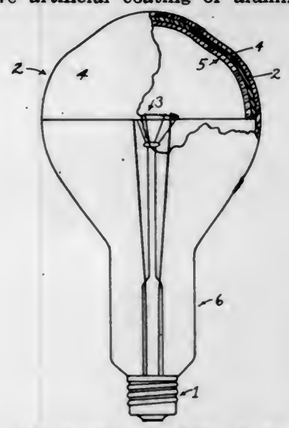
2,181,290
CAGE NUT WELDER
Howard W. Wilkins, Warren, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application June 26, 1936, Serial No. 87,416
18 Claims. (Cl. 219—4)



5. In a cage nut welder, means for automatically arranging nuts and retainers in predetermined position with respect to each other, means for welding said assembled nuts and retainers to a sheet metal panel, and automatic means operable during said welding operation for automatically assembling a nut and retainer for use in a subsequent welding operation.

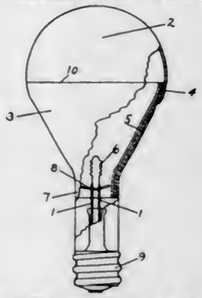
2,181,291
REFLECTOR BULB LAMP
Orrick H. Biggs, Beverly, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application December 7, 1936, Serial No. 114,562
3 Claims. (Cl. 176—34)

1. In an electric incandescent lamp, a sealed glass bulb, an opaque light-reflecting layer consisting of substantially pure aluminum over part of the inside surface of the bulb, a transparent protective artificial coating of aluminum oxide



covering the aluminum layer, a wire filament within the alumium-coated portion of the bulb, and a filling of argon at a pressure above half an atmosphere within the bulb.

2,181,292
REFLECTOR BULB LAMP
Orrick H. Biggs, Beverly, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application November 2, 1937, Serial No. 172,397
2 Claims. (Cl. 176—34)

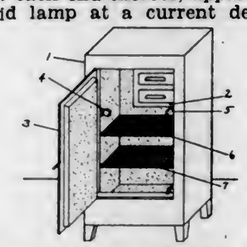


2. In an incandescent lamp, a sealed glass bulb having a bowl portion and a frusto-conical skirt portion, a metallic reflecting coating on the interior surface of said frusto-conical skirt portion, a filament coil of diameter small compared to its length set inside the narrow end of the conical skirt and parallel to the longitudinal axis of said skirt to cooperate with the reflecting coating to direct a beam of reflected light through the bowl portion of the bulb, and a filling of inert gas within said bulb.

2,181,293
APPARATUS FOR IRRADIATING FOODSTUFFS AND THE LIKE
Orrick H. Biggs, Beverly, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application December 2, 1938, Serial No. 243,574
6 Claims. (Cl. 62—89)

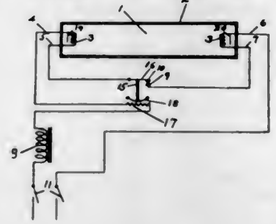
1. The combination of an ultraviolet lamp

comprising a sealed tubular envelope of Corex glass transmitting radiations at 2537 Angstrom units, an atmosphere of inert gas at low pressure and mercury vapor within said envelope, electrodes about 2 inches apart and within said envelope at each end thereof, apparatus for operating said lamp at a current density of 40



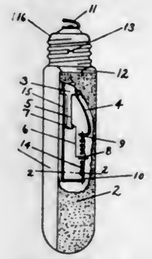
milliamperes per square centimeter, a refrigerating chamber around said lamp, a door in said refrigerating chamber, means actuated by the closing of the door for starting the operation of the lamp, and means actuated by said first mentioned means to extinguish the lamp after a predetermined interval.

2,181,294
ELECTRIC DISCHARGE LAMP
Orrick H. Biggs, Beverly, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application December 31, 1938, Serial No. 248,812
2 Claims. (Cl. 176—124)



1. In combination, a reactance coil, a heating coil, a lamp filament of the oxide-coated coiled-coil tungsten wire type, a normally closed pair of contacts, and another lamp filament of the same type as the first, all connected in series electrically, the lamp filaments being at opposite ends of a sealed glass envelope containing a gaseous atmosphere, one of the contacts of said pair being fixed and directly connected to one terminal of one of the filaments, the other being directly connected to one terminal of the other filament and attached to a movable arm, the heating coil being arranged to heat a flexed bimetallic disc so that the disc when heated to a critical temperature will push said movable arm to open the circuit between the pair of contacts with a quick snap to discharge the reactance coil through the lamp with a voltage surge, the reactance coil having a reactance sufficient to produce a voltage surge to start the discharge when the contacts snap open and to limit the current to a value safe for the lamp while said contacts are open, yet small enough to allow sufficient current to flow through the filament before the contacts are opened to produce a voltage drop across each filament greater than the excitation voltage of the gas, and a wire connected to one end of each filament and extending alongside and parallel to said filament toward the other end of said filament, to enable the passing of a small discharge between the wire and the end of the filament prior to the opening of the pair of contacts.

2,181,295
REFLECTOR BULB LAMP
Orrick H. Biggs, Beverly, and Stuart S. Davis, Lynn, Mass., assignors to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application April 18, 1939, Serial No. 268,580
1 Claim. (Cl. 176—16)

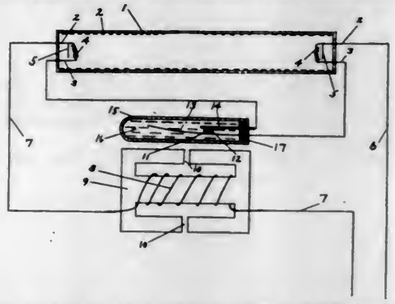


In an electric incandescent reflector lamp, a tubular glass bulb of circular cross-section whose interior surface is lightly frosted to produce a smooth but narrow beam of light from the reflector, one end of said tubular bulb terminating in a hemispherical portion and the other end terminating in a reentrant stem, a metallic reflecting coating on part only of the interior frosted surface of said tubular bulb and extending around more than half of the circular cross-sectional circumference of said bulb, a coiled-coil tungsten wire filament arranged with its axis in a straight line parallel to the axis of the tubular bulb and approximately half-way between said bulb axis and the reflecting surface, lead-in wires sealed through the press of the stem, the portion of said wire inside the bulb being of nickel, one of said wires extending directly into the bulb from the stem and having its end bent toward the coated portion of the bulb and supporting one end of the filament, the other of said wires being curved outward from the stem toward the coated portion of the bulb and having its end bent back away from the coated portion of the bulb to support the other end of the filament, a glass arbor extending from the press of the stem along the axis of the bulb and terminating in a glass button nearer to the stem than the axially perpendicular plane containing the nearest end of the filament, a stiff wire of smaller diameter than the lead-in wires sealed into said button and extending from it substantially parallel to the bulb axis but bent at the end to support the middle of the filament coil by being looped around it, and a filling within said bulb of gas inert with respect to said filament and to said metallic reflector coating.

2,181,296
ELECTRIC DISCHARGE LAMP
Henry J. McCarthy, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application April 22, 1939, Serial No. 269,423
1 Claim. (Cl. 200—97)

A delayed-action electric switch comprising a coil of electrically conducting wire, an iron core extending through said coil, a thin wide ribbon of magnetic spring material placed in position to

be attracted by the magnetic field produced by current flow through the coil, a bath of oil in which said ribbon is immersed, an electrical con-



tact carried by said ribbon, and a relatively fixed contact held against the first contact when no current flows through the coil, the oil being sufficiently heavy to retard the motion of the ribbon.

2,181,297

HYDROLYSIS OF 1,3-DIHALO-ISOBUTANES

Edgar C. Britton and Gerald H. Coleman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application February 1, 1937, Serial No. 123,492

9 Claims. (Cl. 260—601)

1. A method of preparing oxygen-containing saturated aliphatic compounds which comprises the step of reacting a 1,3-dihalo-isobutane with an aqueous alkaline agent at a temperature between 75° and 200° C.

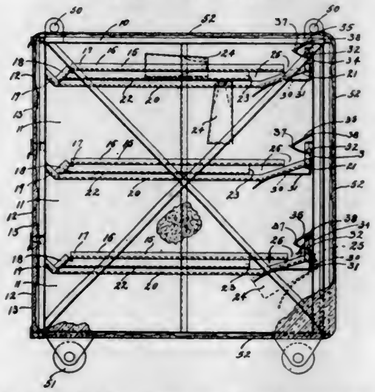
2,181,298

CONVEYING MECHANISM

Floyd A. Browne, Cleveland, Ohio, assignor of one-half to J. D. Overholt, Wooster, Ohio

Application March 14, 1939, Serial No. 261,857

1 Claim. (Cl. 198—1)



A device of the class described comprising a supporting structure, oppositely positioned trackways therein consisting of an upper trackway having at one end thereof an inclined hinged switching member, a sectionalized lower trackway below the upper trackway and joined to the upper trackway through the instrumentality of the hinged inclined switching member that rests on the lower trackway, supporting flanges positioned between the upper and lower trackways and projecting outwardly beyond the aforesaid trackways, a plurality of receptacles, spaced rollers on each of said receptacles at the top thereof, some of the said plurality of receptacles being mounted in the upper trackway by the rollers thereon and slidably supported on the supporting flanges by the structure of the receptacle that engages the supporting flanges when the receptacle is in the horizontal position in the trackway, while other of said plurality of receptacles are supported on the lower trackway by the spaced rollers thereon, and independent automatic controlling means adapted to position the released receptacle after it has been manually forced out of its position by the receptacle being placed in the upper trackway from the lower trackway.

2,181,299

MICROPOROUS SEPARATOR AND PROCESS OF MAKING THE SAME

William J. Burgess, Palmyra, N. J., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application May 18, 1936, Serial No. 80,421

4 Claims. (Cl. 18—53)

1. The process of making electrolytically permeable separative diaphragms possessed of mechanical strength and resistant to electrolytic oxidation which consists in mixing latex with a hydrophilic colloid and sulphur in sufficient quantity for vulcanization to hard rubber, drying the admixture until the moisture content is reduced to about 5% by weight, consolidating the dried admixture by the application of pressure, wetting the consolidated mass, and vulcanizing the mass in the presence of moisture thereby producing electrolytic permeability of a high order.

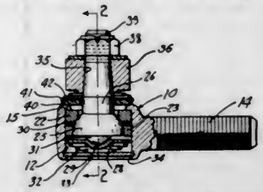
2,181,300

BALL JOINT

William A. Flumerfelt, Columbus, Ohio, assignor to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio

Application May 12, 1937, Serial No. 142,249

4 Claims. (Cl. 287—90)



1. In a joint construction, the combination of a housing having a hollow interior; a stud member having a segmental spherically shaped portion projecting into the housing; means positioned in the housing engageable with the non-equatorial region of the spherically shaped portion of the stud for limiting the longitudinal movement thereof; a spring for urging said stud member into constant engagement with the stud member positioning means; bearing means engageable with the spherically shaped portion of the stud member at the equatorial region thereof; and a second spring interposed between the stud member positioning means and said bearing means for urging the latter into constant engagement with the spherically shaped portion of the stud member.

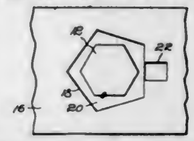
2,181,301

BOLT LOCK

John W. Geddes, Watertown, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts

Application February 16, 1937, Serial No. 126,001

11 Claims. (Cl. 151—32)



2. In combination with a bolt having a polygonal head and a part to which it is applied presenting a polygonal ridge facing the head, an initially dished annulus having inner and outer polygonal peripheries similar to the contours of the head and ridge and of approximately like size, said annulus adapted freely to be positioned between the head and ridge and capable of axial compression to lock it in position by radial stress against at least one of them.

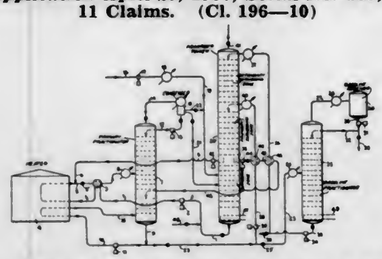
2,181,302

CONVERSION OF HYDROCARBONS

Percival C. Keith, Jr., Peapack, N. J., George W. Robinson, Houston, Tex., and George Roberts, Jr., Montclair, N. J., assignors to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware

Application April 29, 1937, Serial No. 139,704

11 Claims. (Cl. 196—10)



1. The method of converting normally gaseous hydrocarbons to normally liquid hydrocarbons which comprises treating a stream of normally gaseous hydrocarbons to liquefy a portion including a substantial proportion of the convertible constituents thereof, separating said liquefied portion from the unliquefied gases of said stream, passing said unliquefied gases through a primary scrubbing zone, introducing into said primary scrubbing zone and into intimate contact with the gases passing therethrough liquid absorbent media comprising a substantial proportion of hydrocarbons in the gasoline boiling range to scrub from said gases a substantial proportion of the convertible constituents remaining therein whereby said convertible constituents are dissolved in said absorbent media, passing said scrubbed gases from said primary scrubbing zone through a secondary scrubbing zone, introducing into said secondary scrubbing zone and into intimate contact with the gases passing therethrough liquid absorbent media consisting essentially of gas oil and at most a minor proportion of heavier oils to scrub from said gases a substantial proportion of the recoverable convertible constituents therein whereby said convertible constituents are dissolved in said last-mentioned absorbent media, heating said liquefied portion of said stream to effect conversion to normally liquid hydrocarbons, contacting the products of conversion with enriched absorbent media from said primary and secondary scrubbing zones, fractionating the resulting mixture to separate normally gaseous constituents including the normally gaseous constituents of said conversion products and the normally gaseous hydrocarbons dissolved in said last-mentioned absorbent media from the normally liquid constituents including normally liquid conversion products and said last-mentioned absorbent media substantially stripped of dissolved normally gaseous hydrocarbons, and incorporating at least a portion of said last-mentioned normally liquid constituents including a substantial proportion of gasoline constituents in the liquid absorbent media introduced into said primary scrubbing zone.

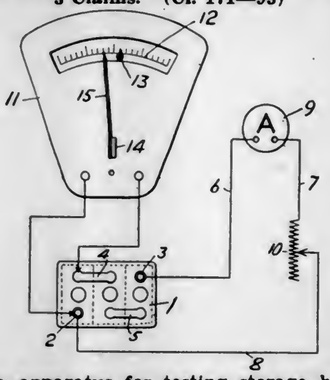
2,181,303

BATTERY TESTING APPARATUS

William C. Leingang, Philadelphia, and Rufus C. Rudisill, Glenside, Pa., assignors to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application November 6, 1935, Serial No. 48,500

3 Claims. (Cl. 171—95)



3. In apparatus for testing storage batteries having means for taking a predetermined discharge current from the battery, a voltmeter having a pointer adapted to be positioned in response to the ambient temperature to which the battery is exposed, a stationary scale, and a movable hand, said hand and pointer being arranged in parallel planes and said hand being arranged to come opposite the free end of the pointer for visual indication in response to battery voltage during discharge.

2,181,304

HOLD-DOWN FOR STORAGE BATTERIES

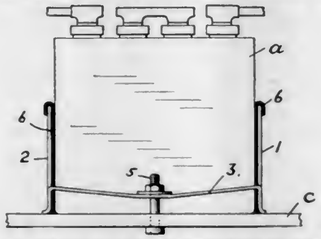
Edward L. Lord, Glenside, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application March 31, 1938, Serial No. 199,123

4 Claims. (Cl. 180—68.5)

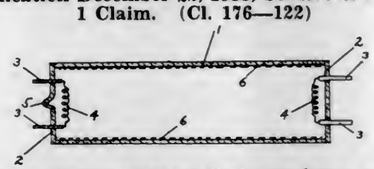
1. A hold-down for storage batteries adapted to be secured in position and to frame the battery case and oppose sidewise movement thereof and by exerting a compressive force on confronting walls of the case to oppose up and down movements thereof, said hold-down comprising a pair of spaced confronting gripping elements and oppositely disposed elements connected with said gripping elements and constituting with them a frame structure adapted to receive a battery case and oppose movement thereof in one plane

and means for positioning and flexing the last mentioned elements to shorten their effective length to cause the gripping elements to exert



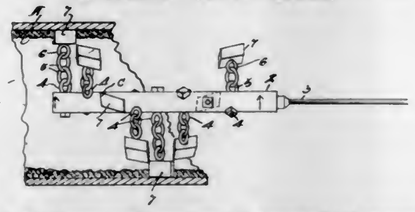
compressive force on the battery case and oppose movement thereof in a plane at right angles to the first mentioned plane.

2,181,305
FLUORESCENT LAMP
Henry W. Myers, Salem, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application December 22, 1938, Serial No. 247,233
1 Claim. (Cl. 176—122)



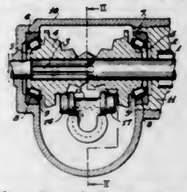
In an electric gaseous discharge lamp, a glass envelope whose interior is coated with a luminescent material consisting of 65 parts of manganese-activated cadmium borate of a grain size less than 10 microns, 170 parts of manganese-activated magnesium tungstate of a grain size less than 10 microns, and 140 parts of a zinc beryllium silicate of a grain size less than 10 microns, said zinc beryllium silicate initially comprising 50% zinc oxide, 12% beryllium oxide, 36% silica dioxide, and 2% manganese fluoride.

2,181,306
CHAINED-HEAD AUGER
William D. Osborn, Los Angeles, Calif.
Application September 15, 1937, Serial No. 164,001
4 Claims. (Cl. 15—104.14)



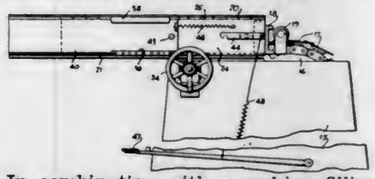
1. A percussive, conduit cleaning tool having a rotative arbor, a set of relatively independent, impacting, cutter elements, means translatively attaching the elements to the arbor and including a link hitch, said elements presenting, in one direction of rotation, symmetrical, elongate, leading edges lying in the general direction of the axis of the arbor and which are, when functioning, obliquely arranged so as to have such an angle between said edges and the arbor axis as to cause a tendency of the tool to advance axially while the elements are in effective rotational operation in the material to be cut; said hitch including parts which resiliently hold the said leading edges in said position against tortional displacement while the elements are thrown to their limits by centrifugal force but allow the elements to be yieldably bodily translated when abutting superior resistance.

2,181,307
POWER TRANSMITTING MEANS
Charles H. Schurr, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application April 12, 1935, Serial No. 16,054
5 Claims. (Cl. 74—458)



1. A gear having two intersecting helico-spiral surfaces, each of said surfaces being the locus of tangents to the same cylindrical surface when oscillated about an axis in a plane normal to the axis of the cylindrical surface.

2,181,308
SPRING CUSHION FILLING MACHINE ATTACHMENT
Morris Abramowitz, New York, and Joseph Marino, Brooklyn, N. Y.
Application May 25, 1938, Serial No. 209,964
5 Claims. (Cl. 226—46)

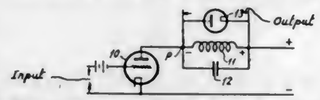


1. In combination with a cushion filling machine having an open ended rectangular container provided with laterally movable side walls, and a plunger operable therein, auxiliary plates adjustable lengthwise on said side walls and normally extending therebeyond at the front between the cover and bottoms of the container, latches to retain said plates when adjusted rearwardly thereby to present lateral openings at the front, and means to simultaneously release said latches.

2,181,309
ELECTRICAL IMPULSE SEGREGATION CIRCUIT
Robert Andrieu, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 21, 1936, Serial No. 81,037
In Germany April 9, 1935
6 Claims. (Cl. 250—27)

1. An apparatus for converting a plurality of sets of electrical impulses of differing duration but substantially the same amplitude into a plurality of sets of electrical impulses of different amplitudes, which comprises a normally blocked vacuum tube amplifier an electrical oscillation

circuit connected in one of the current-carrying circuits of said amplifier, said oscillation circuit having a natural duration of oscillation whose quarter-period is greater than the period of the highest frequency impulses impressed on the am-



plifier and whose half-period is of the same order as the duration as the lowest frequency impulses impressed on the amplifier, and means for impressing said electrical impulses onto a control electrode of said vacuum tube for rendering said tube conductive.

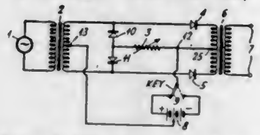
2,181,310
FERMENTATION PROCESS FOR PRODUCING BUTYRIC ACID
Rafael Arroyo, Rio Piedras, P. R., assignor, by mesne assignments, to Borinquen Associates, Inc., San Juan, P. R., a corporation of Puerto Rico
No Drawing. Application July 27, 1936, Serial No. 92,934
13 Claims. (Cl. 195—47)

13. A process of preparing butyric acid, which includes the steps of preparing a mash from molasses and having a sugar concentration of substantially 4.59 to 8.52 percent by weight and a pH of substantially 6.8 to 7.0, inoculating with *Clostridium saccharobutyricum* and fermenting by the action thereof at a temperature of substantially 30 to 32 degrees C. in the continued presence of an excess of calcium carbonate over that required for neutralization of the butyric acid, and separating a butyric acid compound from the spent mash.

2,181,311
CULTURE FOR BUTYRIC ACID FERMENTATION
Rafael Arroyo, Rio Piedras, P. R., assignor, by mesne assignments, to Borinquen Associates, Inc., San Juan, P. R., a corporation of Puerto Rico
No Drawing. Original application July 27, 1936, Serial No. 92,934. Divided and this application February 23, 1939, Serial No. 258,059
6 Claims. (Cl. 195—59)

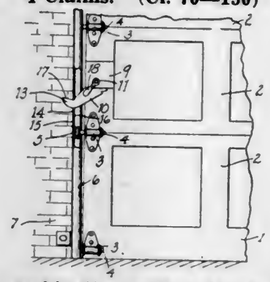
1. A butyric acid fermentation mash of *Clostridium saccharobutyricum* and an aqueous substrate having a concentration of substantially 6.5 percent by way of sucrose and invert sugars.

2,181,312
MODULATING SYSTEM
Alfons Arzmaier, Berlin-Friedenau, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application January 8, 1938, Serial No. 183,933
In Germany January 4, 1937
3 Claims. (Cl. 178—66)



3. In a tone keying system, a circuit having an input reactance and an output reactance connected in series by a pair of rectifiers substantially symmetrically arranged in said connections, a second pair of rectifiers connected in opposition in shunt to said connections, a source of direct current, a key and pairs of contacts for connecting said source of direct current between symmetrical points on said output reactance and said shunt connection and a point of symmetry on said input reactance and for reversing the polarity of said source of potential in said connection to increase and decrease respectively, the impedance of said series rectifiers and said shunt rectifiers and vice versa, a resistance in series with said source of direct current in one position of said switch, the value of said resistance being such as to produce across one of said pairs of rectifiers, a blocking potential which makes its blocking impedance substantially maximum, a condenser for by-passing alternating current in shunt to said resistance, and means for impressing alternating current to be keyed on said input reactance.

2,181,313
LOCK
Herbert Cady Blodgett, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.
Application August 22, 1938, Serial No. 226,037
4 Claims. (Cl. 70—150)

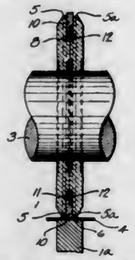


1. The combination with a keeper, of a lock casing, a bolt pivotally mounted in the casing to depend therefrom and provided with a laterally projecting keeper engaging portion, said bolt being provided with a series of ratchet teeth and with an individual ratchet tooth substantially spaced from the series of ratchet teeth, a bolt detent pivoted within the casing to coact with said series of ratchet teeth or with said individual ratchet tooth and acting when engaged with said individual ratchet tooth to hold the bolt in retracted position and coacting with said series of teeth to hold said bolt into the keeper in a plurality of locking positions, and key actuated means for releasing said detent.

2,181,314
FEED ROLL FOR SHEET MATERIAL
Wilford E. Burns, Burlingame, Calif., assignor to M. J. B. Company, San Francisco, Calif., a corporation of Delaware
Application January 18, 1937, Serial No. 121,154
2 Claims. (Cl. 164—61)

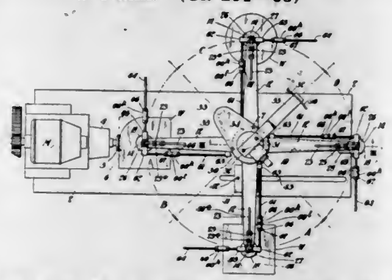
1. In a feed mechanism for sheet material, a feed roll adapted for rolling contact with the material being fed and having an encircling groove, a traction ring of greater diameter than the roll, fitted movably in the groove and adapted for rolling contact at the same line of contact of the roll, with material being advanced; said ring having one face recessed and an expansion wash-

er disposed in the roll groove against the base thereof and within said ring recess and adapted



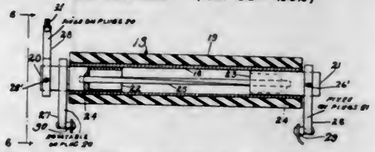
to bear frictionally against a side of the ring and side of the groove.

2,181,315
APPARATUS FOR CIRCLE SHEARING
Harvey Demmon, Sharon, Pa.
Application August 2, 1937, Serial No. 157,055
1 Claim. (Cl. 164—63)



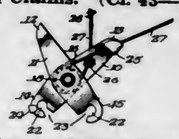
Apparatus for circle shearing metal sheets, comprising a table having a top, a powered circle shear at one end of said top and providing vertical, rotary knives, said top having a slot located parallel the axis of rotation of said knives and extending the greater portion of its length, a vertical post riding in said slot and rotatively mounting a turret, a plurality of arms sets radially extending from said turret and each comprising parallel, upper and lower arms having aligned vertical bearings, vertical shafts rotatively mounted by said bearings and turnable sheet clamps mounted on the mutually opposed ends of said shafts, adjustable means for vertically restraining the lower ones of said shafts, spring means for upwardly urging the upper ones of said shafts and releasable clamp means for forcing and holding downwardly said upper ones of said shafts, whereby sheets may be horizontally retained between said turntable sheet clamps, means for continuously urging said turret to rotate, a releasable latch for restraining rotation of said turret and holding said turret at positions where said arms are aligned with the axis of rotation of said knives, whereby successive releasals of said latch successively bring successive sets of said arms into alignment with the axis of rotation of said knives, means spaced from said knives in the rotating direction of said turret for engaging and releasing said releasable clamp means, the latter being carried by said arms, a set of sheet positioning stops carried by each set of said arms and each comprising a plurality of depending, swinging legs spaced to engage the sheet edges and center the sheets respecting the axis of rotation of said turnable sheet clamps, said legs swinging to allow rotation of the sheets during circle shearing operations, and a screw extending parallel said slot in said table top in which said vertical post rides and which is in screw threaded engagement with said post, whereby rotation of said screw adjusts the position of said post relative to said knives of said circle shear.

2,181,316
WRINGER ROLL TENSIONING
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa
Application June 5, 1935, Serial No. 25,036
12 Claims. (Cl. 68—262)



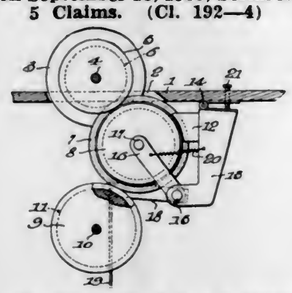
7. In a clothes wringer, a frame, rolls therein including a driven roll rotatable on a fixed axis, a tubular companion roll, bearings for the latter, rocking arms carrying said bearings at one end each for said companion roll and pivotally secured at their other ends to the wringer frame at co-axial points spaced equally from a plane common to the axes of both rolls, one of said bearings being rigid with its arm and the other being rotatable relatively to its arm, a torsion spring extending through the tubular roll and secured at its ends to said bearings to provide against rotation relatively thereto, a lever arm rigid with the last-named bearing, a trip arm rigid therewith, a manually operable trip-lever disposed on said frame to engage said trip-arm, and a manually operable means mounted upon the wringer frame and engageable with said lever arm to rotate the last named bearing against the action of said spring to cause the trip-arm to engage the trip lever whereby said spring is tensioned to urge the tubular roll against the driven roll.

2,181,317
ATTACHMENT FOR FISHING LINES
Charles Fernstrom, Oak Island, Minn., assignor of one-half to Carl A. Johnson, Louis Aanerud, and George Stokes, all of Chicago, Ill.
Application July 29, 1938, Serial No. 221,929
14 Claims. (Cl. 43—28)



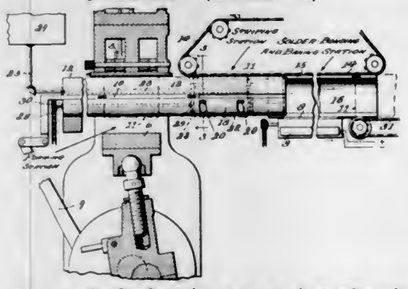
1. A connector for fishing lines embodying two members pivotally connected together intermediate their ends, adapting the ends of the members to be moved towards and away from each other, means adjacent the pivot forming a spacing element for the members, adjacent extremities of the members forming opposed hook shaped portions adapted to be closed when the ends are brought together, and means for holding the other ends of the members together, there being an opening through one of the members intermediate its ends in combination with a line having a knot, said line threaded through the opening with the knot engaging the member, a portion of the line being wound around said spacing element and then passing between the said other ends of the members.

2,181,318
MACHINE DRIVING AND STOPPING MECHANISM
Edward E. Fessenden, Jr., Kingston, N. Y.
Application September 13, 1938, Serial No. 229,751
5 Claims. (Cl. 192—4)



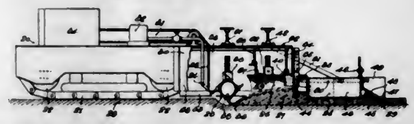
1. In a machine driving and stopping mechanism, a driving wheel, a transmitting wheel having a tire of yieldable friction material for contact with said driving wheel, a driven wheel contacting with said tire and adapted for connection with a machine to be driven, means mounting said driving and driven wheels in fixed spaced relation with each other, means mounting said transmitting wheel for movement from a driving position in which its yieldable tire contacts with both said driving and said driven wheels, to a drive severing position in which said yieldable tire remains in contact with said driven wheel but is free of contact with said driving wheel, and a relatively fixed brake with which said tire contacts when said transmitting wheel is moved to said drive severing position, whereby said tire provides a frictional driving connection between the driving and driven wheels and a frictional braking surface for coaction with said brake, and renewal of said tire without renewal of other parts will rejuvenate the mechanism when the driving and braking functions become impaired by wear.

2,181,319
METHOD OF AND APPARATUS FOR COATING SHEET METAL CONTAINER SIDE SEAMS
Sylvester L. Flugge, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 15, 1937, Serial No. 180,052
9 Claims. (Cl. 113—7)



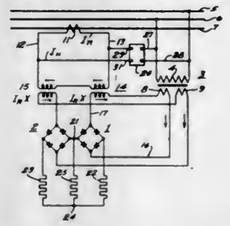
1. In can body forming apparatus wherein is provided a horn, side seam forming means, seam soldering means, and means including the horn and feeding devices for guiding and feeding the cans to the soldering means with the seams properly aligned; the combination with the guiding and feeding means and the soldering means, of means mounted directly in the horn in advance of the soldering means for applying to the seams interiorly of the can bodies a coating of protective material thereby utilizing the heat of the soldering operation to set the applied coating material.

2,181,320
ROAD MACHINE
Benjamin H. Flynn, Alexandria, La.
Application December 23, 1937, Serial No. 181,422
8 Claims. (Cl. 94—39)



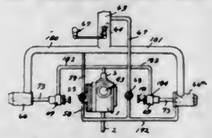
6. A road machine comprising a mobile frame to travel along a roadway, means on said frame for disintegrating the roadway and re-spreading the disintegrated material, said means being of such nature as to vigorously vibrate said frame, and means rigidly mounted on said frame for transmitting the frame vibrations produced by the aforesaid means to the loose distributed material, said rigidly mounted means having a forwardly inclined portion for downwardly pressing this material during the vibration of said material.

2,181,321
POWER REGULATION
Erich Friedländer, Berlin-Siemensstadt, and Oskar Schmutz, Berlin-Haselhorst, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 3, 1938, Serial No. 228,336
In Germany August 19, 1937
10 Claims. (Cl. 171—119)



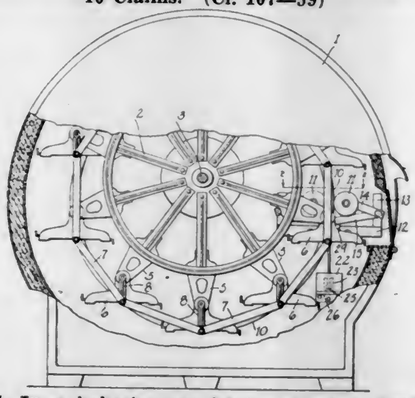
1. In a regulating system for governing the power flow in a regulated alternating current circuit, a phantom circuit including a circuit part in which a component is developed that corresponds to the current of the regulated circuit, a circuit part in which a component is developed that corresponds to the voltage of the regulated circuit, a constant power device for developing an auxiliary voltage component of such value and phase relation that when combined with one of said first two named components develops a modified component that is in quadrature with the other of said first two named components for a chosen power flow through the regulated circuit, an impedance network including induction apparatus for developing the vector sum and the vector difference of said current and voltage components, rectifier means for developing a resultant unidirectional voltage that corresponds to the difference in magnitude of the vector sum and the vector difference components, and means controlled by said unidirectional voltage for regulating the power in said regulated circuit.

2,181,322
MEASUREMENT AND CONTROL OF THE FLOW OF VISCOUS FLUIDS
Harry G. Geissinger, Cleveland, Ohio
Original application August 23, 1934, Serial No. 741,173. Divided and this application January 25, 1937, Serial No. 122,251
15 Claims. (Cl. 158—1)



1. A system for controlling combustion of fluid fuel comprising a burner, an air line and a fluid fuel line connected thereto, a valve in said air line adapted to regulate the air supply to said burner, a valve in said fluid fuel line adapted to regulate the fluid fuel supply to said burner, means for regulating said fluid fuel valve by the unbalancing between a pressure derived from the fluid flow and a pressure derived from said air line, conduits from said air line on opposite sides of said air valve connected to said fuel regulating means whereby air pressure anterior to said air valve is effective on said fuel regulating means in order to increase the ratio of fuel to air when said air valve approaches the closed position while maintaining the normal ratio when said air valve is open.

2,181,323
BAKER'S OVEN
Lewis E. Glezen, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application September 19, 1938, Serial No. 230,573
10 Claims. (Cl. 107—59)



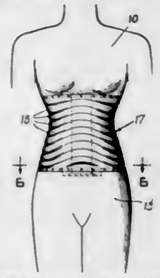
1. In a baker's oven having a rotary spider carrying a plurality of pivoted shelves, means for linking the shelves for angular movement on their pivots as a unit, and means for guiding the shelves during the orbital travel thereof comprising a continuous annular guide ring, means for pivotally suspending the ring from the shelves, a pair of guide rollers disposed on one side of the oven to engage opposite faces of the ring, means for pivotally mounting said rollers on the oven and means for counterbalancing said rollers against the ring as a unit comprising a pair of bell cranks, each carrying one of the rollers on an arm thereof and pivoted on the oven, a depending rod connected to the other arms of the bell cranks and a weight adapted to be engaged and lifted by the rod in the event the ring is displaced excessively to thereupon displace one of said counterbalancing rollers more than a predetermined amount.

2,181,324
CARD HOLDER
Edwin Glover, Jackson, Miss., assignor of one-fourth to John G. Hand, Jackson, Miss.
Application May 8, 1939, Serial No. 272,501
1 Claim. (Cl. 40—10)



A card holder of the character described comprising a case for the reception of a card, laminations mounted in said case and adhesively secured together, and bendable sheet metal fingers mounted on the case and projecting therefrom for engagement with a support for mounting said case thereon, said fingers comprising substantially T shaped inner end portions anchored between the laminations.

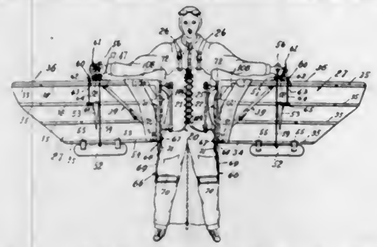
2,181,325
DISPLAY FORM
Lillian L. Greneker, New York, N. Y.
Application June 2, 1938, Serial No. 211,401
9 Claims. (Cl. 223—68)



1. In a display form simulating the human body, a flexible waist portion composed of a tubular element comprising hingedly connected superposed rings of fixed predetermined sizes, said rings having flat outer surfaces conjointly defining a substantially smooth surface conforming to the contours of the waist and hip portions of the human body, and said rings being downwardly arched at the middle of the sides of the waist portion and being upwardly arched at the front thereof to enhance the simulation of hips and abdomen, whereby adjustments of the rings relative to one another are accompanied by life-like variations in said waist and hip contours.

2,181,326
GLIDER
Alvin G. Griffin, Pittsburgh, Pa.
Application May 4, 1938, Serial No. 205,897
8 Claims. (Cl. 244—16)

1. In a glider of the class described including a metallic harness to be worn by a person, a pair of wings attached to said harness and adapted to be folded against the body of the wearer, means to spread said wings and retain same in spreaded position, each of said wings provided with an aileron and a rudder,



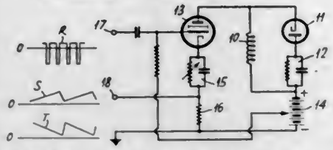
means to operate both by one of the hands of the user, and means to disconnect said wings from said harness when they are in folded or spreaded position.

2,181,327
AUTOMOBILE RADIO ANTENNA
Paul Guggenheim, Philadelphia, Pa., assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 9, 1938, Serial No. 206,730
11 Claims. (Cl. 250—33)



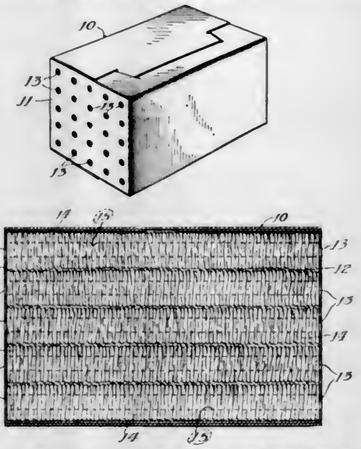
1. An aerial assembly comprising, in combination, an elongated flexible main body member of insulating material, said member having a cross-section of greater vertical depth than width, an aerial cable encased within and extending lengthwise of said body member, and a pair of end enclosures for said body member also formed of flexible insulating material and each of a cross-section similar to that of said main body member and adapted to snugly embrace the opposite extremities of said main body member.

2,181,328
ELECTRICAL WAVE GENERATOR
Dietrich Hermann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 24, 1938, Serial No. 215,624
In Germany May 11, 1937
6 Claims. (Cl. 250—36)



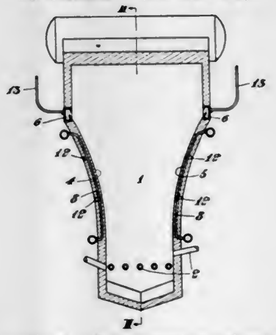
1. A sawtooth wave generator comprising means for storing electromagnetic energy, a rectifier, a series circuit containing said rectifier and a time constant circuit, the time constant of said latter circuit being greater than the period of deflection of a cathode ray beam, said series circuit being connected substantially in parallel with said electromagnetic storage means, a thermionic vacuum tube having anode, cathode and at least one control electrode and having said electromagnetic storage means connected in the anode-cathode circuit thereof, resistive means connected in the cathode-anode circuit of the said tube, and means for impressing a wave of predetermined wave formation onto a control electrode of said tube.

2,181,329
PACKAGE
Alfred G. Hewitt, La Grange Park, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application November 28, 1938, Serial No. 242,697
8 Claims. (Cl. 99—271)



1. A package comprising in combination a carton having a series of openings in a wall portion, and a plurality of artificial sausage casings shirred and compressed longitudinally into comparatively thick-walled tubular form arranged in said carton with their ends directed toward said perforated wall portion and located in such position with respect to said wall openings as to enable air to enter through the openings and move lengthwise of the casings in close proximity to their walls for effecting a moisture conditioning treatment of the casings while contained in the carton.

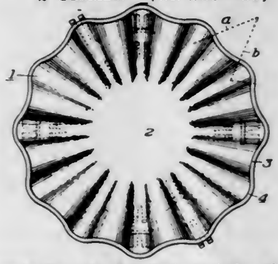
2,181,330
METHOD OF AND APPARATUS FOR RECOVERING CHEMICALS FROM CELLULOSE WASTE LIQUOR
Erkki Johannes Janhunen, Karihaara, Kemi, Finland
Application April 10, 1937, Serial No. 136,169
In Finland April 17, 1936
10 Claims. (Cl. 23—48)



1. The method of recovering chemicals from

cellulose waste liquor, which consists in causing the liquor to flow in a relatively thin film down over a stationary, inwardly inclined surface gradually increasing in inclination from its upper portion downwardly whereby the liquor is gradually given a steeper direction of flow in the course of its movement over said surface, burning the resultant dried matter of the liquor, and conducting hot gases from such combustion along said surface countercurrentwise to the flow of liquor over the same to evaporate the liquor to dryness in preparation for burning with a minimum of evaporating surface.

2,181,331
CINDER POT
William Johnston, Jr., Wilkinsburg, Pa.
Application August 23, 1938, Serial No. 226,274
2 Claims. (Cl. 266—39)



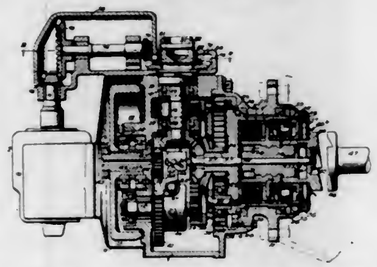
1. A metallic pot for hot metals, slags and the like having a side wall corrugated into bows vertically extended in the side wall and alternately inwardly and outwardly projectant from a mean periphery of the wall, the said inwardly projectant bows being formed on radii greater than those on which the outwardly projectant bows are formed, to obtain the benefit of substantial depth in the outwardly projectant bows without causing such concentration of tangentially directed heat radiation from outwardly projectant bows as substantially to retard heat radiation at the said inwardly projectant bows.

2,181,332
APPARATUS FOR INTERNALLY STRIPING CAN BODY SIDE SEAMS
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 29, 1938, Serial No. 216,578
2 Claims. (Cl. 91—50)



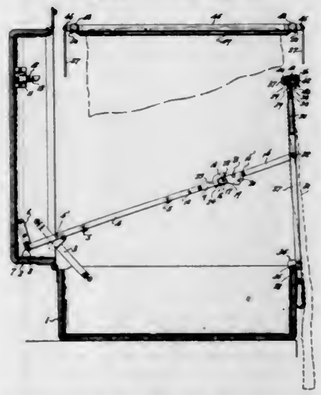
2. In apparatus of the character described, a horn, means for moving side seamed can bodies over and along the horn in spaced relation, movable means engageable with the horn at each end thereof for supporting it without interfering with can body movement thereover, and means mounted intermediate the ends of the horn for applying a stripe of protective coating material over the side seams internally of the can bodies and peripherally grooved to engage the side seams and can body portions along each side of said side seams, said last-named means comprising a reservoir for coating material, an applicator roller partially immersed in the material and disposed beneath the path of movement of and out of contact with the can bodies, said rollers being disposed in a common plane containing the axes of the moving can bodies, means for imparting rotation to the applicator roller, and a seam engaging roller swingably supported on the horn and movable into and out of contact with the applicator roller through the spaces intervening moving can bodies.

2,181,333
ENGINE STARTING MECHANISM
Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application May 27, 1930, Serial No. 456,273
Renewed March 9, 1937
11 Claims. (Cl. 123—179)



1. In combination with engine starting apparatus, current supply means, a gear train between the starting apparatus and the supply means, said gear train being operable to transmit driving effort either to or from said starting apparatus, and auxiliary spring driving means operable through said gear train for simultaneously actuating said supply means and starting apparatus.

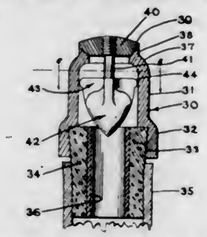
2,181,334
GARMENT SUPPORTING FRAME FOR LUGGAGE CASES
Abraham Levine, Elizabeth, N. J., assignor to Presto Lock Corporation, Brooklyn, N. Y., a corporation of New York
Application November 13, 1937, Serial No. 174,363
6 Claims. (Cl. 190—41)



2. In a structure as defined in claim 1, wherein the sides of said outer frame section are provided with foot-pieces to engage the margin of the free

end wall of said open body to thereby aid in supporting said unfolded outer section in upstanding relation thereto.

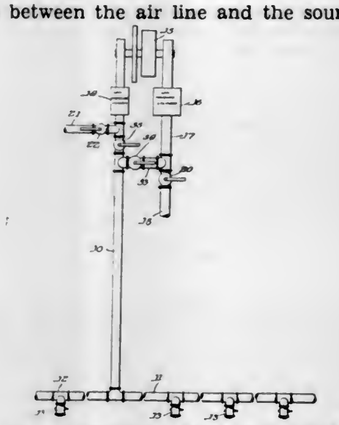
2,181,335
DISPENSING CLOSURE
Herman H. Martin, Toledo, Ohio, assignor to H. H. Martin Products Corporation, Cleveland, Ohio, a corporation of Ohio
Application May 21, 1937, Serial No. 144,023
5 Claims. (Cl. 215—74)



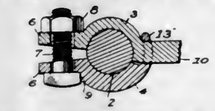
3. A device of the character described, comprising: elongated tubular means having one end adapted to be connected to a liquid container, and the opposite end provided with a pouring opening; a closure for said pouring opening, positioned, and operating, externally of said tubular means; and weighted means within said tubular means of such size as to be freely movable laterally and longitudinally within the interior of said tubular means, and of a size larger than said pouring opening, said closure means and said weighted means having rigid connecting means therebetween, extending loosely through said pouring opening, said connecting means being of relatively small size as compared to said pouring opening as to permit considerable longitudinal tilting therein, and of such length that all parts of said closure means and said weighted means are spaced longitudinally an appreciable distance from each other, said weighted means, said closure means, and said connecting means, being so constructed and arranged whereby movement of said container toward a substantially horizontal position gravity actuates said weighted means to swing laterally, tilt, and maintain tilted, said connecting means and said closure means, in a direction opposite to the direction of movement of said container to open said pouring opening; said weighted means having fulcrum means projecting laterally therefrom, and cooperating in the tilting movement of said weighted, closure, and connecting means.

2,181,336
UNDERGROUND ALARM SYSTEM
William A. McCurdy and Fred Wedlake, Virginia, Minn.
Application November 8, 1937, Serial No. 173,519
5 Claims. (Cl. 116—70)

1. In a whistle, a body member adapted to have connection to an air line whereby the interior of said member will be in communication with said line, means located at the end of the member opposite said connection for producing a sound by the passage of air therethrough, a partition within said member between the sound producing means and said line, passages extending through said partition, and a valve for closing said passages when the pressure in the air line is above atmospheric, said valve having operation when a sub-atmospheric pressure exists in the line to open said passages establishing communication between the air line and the sound producing means, whereby a sound is produced by the passage of air through said means.

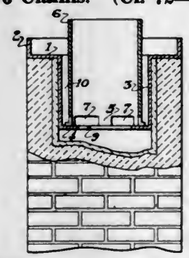


2,181,337
BATTERY CLAMP
John Michalski, Canton, and Yelmer V. Sims, Ladysmith, Wis.
Application September 10, 1938, Serial No. 229,358
2 Claims. (Cl. 173—259)



1. A battery clamp comprising two opposed gripping members each having a curved body portion with an arcuate inner face to fit the post of a battery, one of said members having a wire-securing terminal extending longitudinally therefrom, the other of said gripping members having a reduced terminal portion curved in conformity with the end of the opposed gripping member to form a seat therefor, said reduced portion having an opening therein to encircle the wire-securing terminal of the opposed gripping member, and a clamping bolt to draw the gripping members in applied position on the battery post.

2,181,338
CHIMNEY
Robert P. Moran, West Orange, N. J.
Application June 22, 1938, Serial No. 215,292
6 Claims. (Cl. 72—90)



6. As a chimney, two substantially concentric ducts, the inner duct being spaced from the outer and of relatively short length compared to the outer duct, and the top end protruding above the outer and means to support the inner duct and

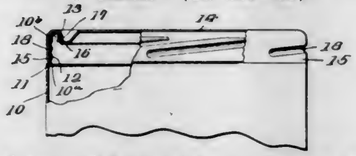
substantially obstruct a flow of flue gas into the space between the inner and outer ducts adjacent the lower end of the inner duct.

2,181,339
EASY OPENING CAN
Paul E. Pearson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 28, 1937, Serial No. 161,507
3 Claims. (Cl. 220—54)



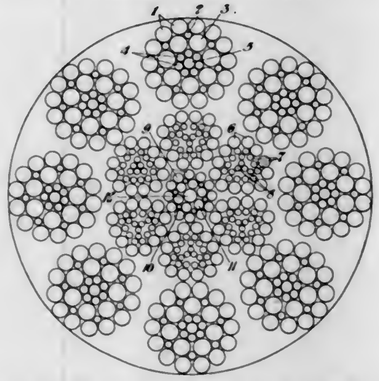
2. A sheet metal container comprising a body having the edge portions thereof shaped to provide interlocking hooks solder-bonded together to form a side seam, said body being provided with score lines forming a tearing strip, the inner hook in said side seam being continuous from the upper end of the seam to the lower end thereof and the outer hook terminating in the region of the tearing strip so that the tearing strip may have an integral tongue projecting therefrom, the body wall adjacent the side seam being depressed to form a pocket for said tearing tongue, said tearing tongue having an inwardly extending rib lying along the side seam close to the edge of the inner hook for forming a dam to prevent solder from passing beneath the tongue and securing the same to the body wall, said tongue having an opening therethrough adjacent the rib for attachment of the winding key to the tearing strip.

2,181,340
METAL CONTAINER
Walter G. Plumb, Ridgewood, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 20, 1937, Serial No. 154,640
1 Claim. (Cl. 220—39)



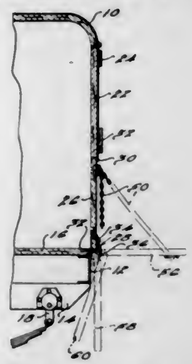
A sheet metal container comprising a cylindrical body portion having the upper open end thereof rolled inward to form a hollow bead, a cover for said container having a central depression forming a wall adapted to contact with the inner portion of the hollow bead, said cover having a depending flange adapted to extend down over the body wall, said body wall being provided with inwardly projecting portions forming inclined thread grooves which terminate below the top of the can body, said cover flange having inwardly projecting inclined ribs fitting within and adapted to follow said thread grooves, said body wall in the region extending from the upper ends of said threads to the lower end of the cover flange being offset inwardly from the body wall therebelow the thickness of the body wall, and said flange being dimensioned so as to fit closely to said threads in the region containing the threads and therebelow so that the outer diameter of the container in the region of the depending cover flange and the body wall therebelow are of substantially the same diameter, said body wall in the region above said threads being further offset inwardly so as to permit the ribs on the cover flange to pass over said portion of the body wall and enter the thread grooves.

2,181,341
WIRE ROPE
Eugene J. Reardon, East Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 17, 1937, Serial No. 175,108
7 Claims. (Cl. 57—148)



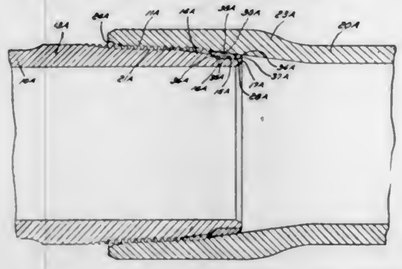
1. An 8 x 36 wire rope having a 6 x 30 flattened strand wire rope for a core and which is characterized in that when it is tensioned the flattened strands of said core tend to rotate to cause their corner or edge portions to aid in radially supporting said wire rope strands.

2,181,342
TAIL GATE STRUCTURE
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application February 2, 1939, Serial No. 254,175
4 Claims. (Cl. 296—57)



1. A vehicle tail gate and tail gate mounting comprising, in combination, a vehicle having a floor, a tail gate associated with said floor, hinge means pivotally mounting said tail gate to said floor adjacent the rear edge thereof, said hinge means comprising a first hinge plate secured to said floor adjacent the rear edge thereof, a second hinge plate secured to said tail gate adjacent one edge thereof, an intermediate link member having opposite edges thereof pivotally connected to said first and second hinge plates respectively, and said tail gate having said one edge constructed with a projecting portion which is adapted to abut against said intermediate link member.

2,181,343
TUBULAR JOINT SEAL
Charles A. Reimschissel, Waynesboro, Pa.
Application November 6, 1937, Serial No. 173,059
6 Claims. (Cl. 285—146)



1. Means for sealing a tubular joint comprising a ring of relatively hard metal inserted into a recess in one of the joint members and having its exposed surfaces wedgingly contacting surfaces located on another of said joint members in such manner that in setting up the joint the ring metal is subjected to high elastic stresses which serve to maintain a seal regardless of slight movement between the joint members.

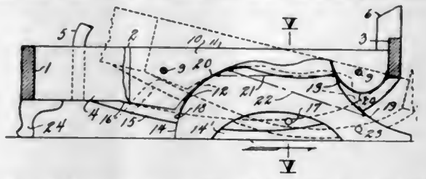
2,181,344
ROPE
August J. Rick, New York, N. Y., assignor to American Manufacturing Company, Brooklyn, N. Y., a corporation of Massachusetts
Application October 10, 1938, Serial No. 234,087
1 Claim. (Cl. 57—144)



A drilling cable at least a portion of which is of hard resilient construction comprising lubricant-impregnated, hard vegetable fibres, defining a plurality of yarns, said yarns in turn defining twelve lessoms laid to form three cable-laid strands, said fibres, yarns, lessoms and strands in the order named being progressively under higher degrees of twist.

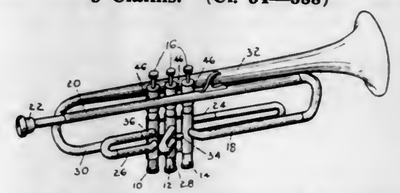
2,181,345
RECLINING CHAIR
John A. Schauss, Norwalk, Ohio
Application October 3, 1938, Serial No. 232,959
8 Claims. (Cl. 155—77)

2. In an article of furniture, a base providing a pair of arcuate slide bearing surfaces, one convex and the other concave, and a seat providing



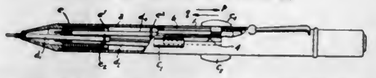
a pair of friction-slip coacting arcuate slide bearing surfaces, one convex and the other concave.

2,181,346
MUSICAL INSTRUMENT
Henri Selmer, Paris, France
Application July 10, 1937, Serial No. 152,945
5 Claims. (Cl. 84—388)



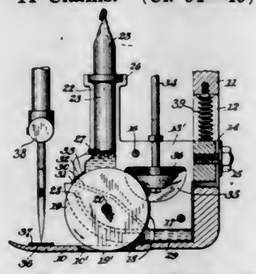
1. In a musical instrument of the class described, a metal casing providing a valve chamber having a port, a valve movable in said chamber for controlling said port, metal tubing associated with said casing in registry with said port, metallic means having an opening in registry with said tubing and with said casing port for connecting said tube to the casing, said means being secured to said tubing by fusible means and secured to said casing by means fusible at a temperature lower than that necessary to fuse said first mentioned fusible means.

2,181,347
MULTICOLOR PENCIL
Manjiro Shimada, Ichikawa, Ichikawashi, Chiba-Ken, Japan
Application December 5, 1938, Serial No. 244,021
1 Claim. (Cl. 120—14)



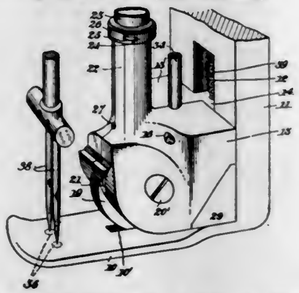
A multicolor pencil having in combination an outer casing terminating at one end in a point and provided with a plurality of longitudinal slots about the circumference thereof, said slots having latching notches at the ends nearest the pencil point, a similarly slotted revolvable tube disposed within said casing and held against longitudinal movement with relation thereto, a plurality of lead holders slidably disposed within said pointed casing end having their opposite ends provided with shoulders, a spring urged ring slidably mounted in said casing between the pencil point and the shoulders on said holders, each of said holders having a projection attached thereto extending through the slots in said casing and tube, the slots in said revolvable tube being identical with the slots in said casing except that the latching notch is omitted and the end of said tube slots opposite said latch notch having a sloping surface formed on one side thereof adapted to cause said tube to rotate a limited amount when its respective projection is moved against said sloping surface.

2,181,348
MACHINE FOR ORNAMENTING LEATHER, ETC.
René Marc Sichère, Long Island City, N. Y., assignor to Mechanical Ornamentation Corporation, a corporation of New York
Application December 9, 1937, Serial No. 178,980
11 Claims. (Cl. 91—49)



1. A machine of the character described comprising a two part casing, a wheel having a tread surface extending below the casing, a conduit for liquid formed in the casing and leading to the upper side of the wheel, a sealed removable container for liquid carried in and located above and leading to said conduit and wheel; means in the casing for puncturing the lower end of said container; the construction being such that the rotation of said wheel will carry said liquid from the upper side to the lower side thereof.

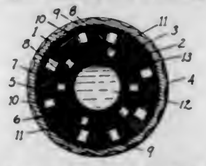
2,181,349
MACHINE FOR ORNAMENTING LEATHER, ETC.
René Marc Sichère, Long Island City, N. Y.
Original application December 9, 1937, Serial No. 178,980. Divided and this application April 23, 1938, Serial No. 203,892
6 Claims. (Cl. 112—2)



1. In a sewing machine, a pair of reciprocating needles for simultaneously forming parallel lines of stitching in a sheet of material, a presser foot and means carried by the presser foot in proximity of said needles for applying fluid coloring matter to the material between two lines of stitching to form a band having its edges adjacent to the lines of stitching.

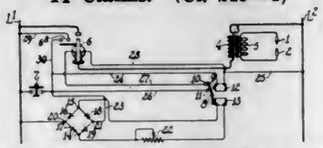
2,181,350
GOLF BALL
Robert F. Smith, Detroit, Mich., assignor to Leonard A. Young, Detroit, Mich.
Application January 8, 1938, Serial No. 183,990
10 Claims. (Cl. 273—62)

1. A golf ball comprising a body portion consisting of a plurality of concentric fitting layers of molded rubber, each layer comprising hemispherical segments having rabbeted interfitting edges joined by rubber cement, the outer and intermediate layers having a multiplicity of air pockets molded therein, the radial dimension of each of said pockets being less than the thickness of the respective layers in which they occur, the inner ends of the air pockets being closed by the next adjacent layer, the inner layer being



of relatively soft rubber and filled with a core material and constituting the core of the ball, the outer layer being substantially thicker than the other layers and of relatively hard rubber, the intermediate layer being of an intermediate hardness as compared to the inner and outer layers and the outer layer having a roughened surface, and a cover molded upon said ball body and interlocking with said roughened surface of said outer layer.

2,181,351
CONTROLLER FOR ELECTRIC WELDER AND OTHER CIRCUITS
Carroll Stansbury, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 2, 1935, Serial No. 19,405
14 Claims. (Cl. 219—4)

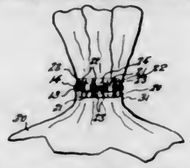


3. In a controller for an electric circuit, in combination, means to close said circuit and a power operated device rendered operative each time said circuit is closed to effect interruption of said circuit, said device having its operating means subjected to an influence by said circuit and comprising direct current means of the inductive time limit type to delay the aforementioned functioning of said device pending lapse of a given time following closure of said circuit.

2,181,352
COATING FOR FASTENINGS
James R. Thompson, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application March 26, 1938, Serial No. 198,323
2 Claims. (Cl. 85—10)

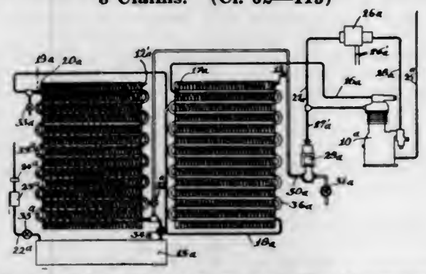
1. A metal fastening constructed for frictional insertion in wood or the like, having a hard, smooth coating comprising a base selected from the group consisting of ethyl-cellulose, nitrocellulose or cellulose acetate and containing a resin effecting microscopic bonding of the coating to the fastening and to the material in which the latter is inserted, the coating being sterilized when applied to the fastening by a non-toxic alcohol solvent, the base and resin of the coating both being non-toxic and the fastening being fit for holding in the mouth of the user, the coating being free from any tendency to become gummy or sticky when the fastening is stored in warm or damp places.

2,181,353
BAG SEAL CORD BACKING AND CUTTING GUIDE
Henry L. C. Wenk, Jr., Jamaica, N. Y.
Application August 19, 1938, Serial No. 225,683
1 Claim. (Cl. 292—308)



In combination with a bag tie cord adapted to be formed into a constrictive bag neck encircling loop having free end portions subject to imbedding engagement by an applied deformable seal body, of a relatively narrow sheet metal cord backing plate having lateral outwardly offset perforate ear portions through which the bight of the cord loop extends to dispose said plate intermediate the bag material and a short arcuate section of said cord loop but so as to leave the major portions of said cord loop freely flexible for unimpeded close and tight hugging disposition about the constricted bag neck, and said plate having rearwardly projecting prong means to engage the bag neck material so as to anchor said plate against shifting displacement relative to both said cord loop and bag neck.

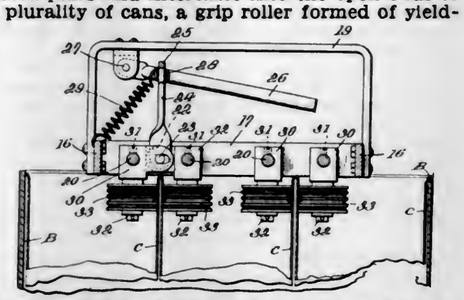
2,181,354
CONDENSER FOR REFRIGERATORS
John Winters, New York, N. Y.
Application July 28, 1939, Serial No. 286,951
8 Claims. (Cl. 62—115)



1. A refrigeration system including a compressor and a condenser coil including air cooling means normally adapted to condense sufficient refrigerant for a fixed capacity of said compressor, auxiliary cooling means other than air cooling to augment condensation of the refrigerant to compensate for variations in load, said auxiliary cooling means being embodied in said coil and being operable during periods when air cooling is inadequate for refrigeration.

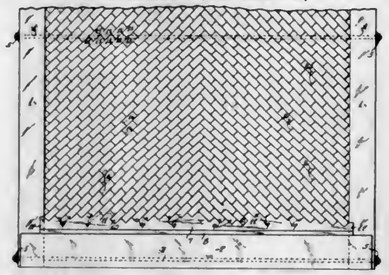
2,181,355
UNLOADING APPARATUS
Lancelot Yarwood, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 4, 1937, Serial No. 167,322
6 Claims. (Cl. 294—87)

1. A can lifting means comprising a frame, a plurality of rock shafts mounted in parallel spaced relation in the frame, gripper elements secured on and depending from the shafts in opposed pairs and insertable into the open ends of a plurality of cans, a grip roller formed of yield-



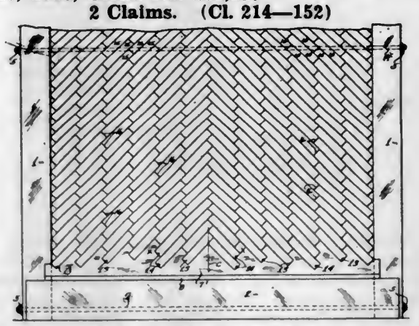
able material carried by each element, and means for moving the elements to cause cooperating pairs of grip rollers to internally and simultaneously grip a plurality of cans.

2,181,356
LUMBER PILING RACK
John B. Chipman, Webster Groves, Mo.
Application June 30, 1938, Serial No. 216,691
5 Claims. (Cl. 214—8)



5. A rack for holding piled pieces of lumber comprising a plurality of transverse foundation members, a series of vertical posts associated with said members, means for connecting the upper ends of said posts, and notched members placed on the end transverse members, the notches being of U-shape and extending from left to right at each side of the center line of said members, and said notches being inclined inwardly toward the center line.

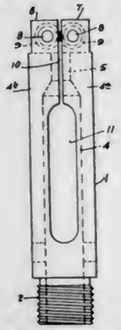
2,181,357
METHOD OF PILING LUMBER
John B. Chipman, Webster Groves, Mo.
Original application June 30, 1938, Serial No. 216,691. Divided and this application October 17, 1938, Serial No. 235,447
2 Claims. (Cl. 214—152)



1. A method of piling lumber, consisting of

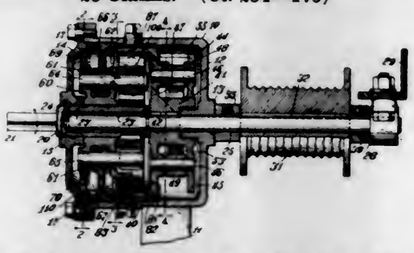
laying the pieces of said lumber so that each piece constituting the bottom row rests in an inclined position with respect to its width and in a straight position with respect to its length, the pieces in the left hand side of the pile being inclined in opposite directions to the pieces in the right hand side of the pile, and continuing such positions in the upper successive layers, each layer being in direct contact with each other layer, and holding the pile so constituted in fixed position.

2,181,358
FEEDING FINGER
Justin V. Anslinger, Haubstadt, Ind., assignor of one-half to Hansen Manufacturing Company, Inc., Princeton, Ind., a corporation of Indiana
Application April 29, 1938, Serial No. 205,076
3 Claims. (Cl. 29—62)



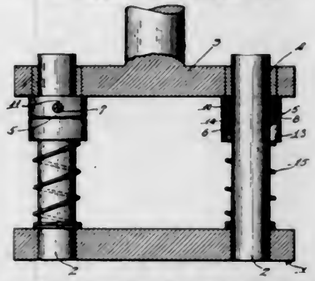
1. As a new article of manufacture for use as a feeding finger in automatic screw machines, a feeding finger comprising a base portion and spring arm portions adapted to be moved towards one another, rollers in the ends of said arms partially extending across the space between said arms and adapted to receive a stock rod within and between them, said finger being hollow for the reception of said rod, the spring arm portions of said finger resiliently pressing said rollers towards each other in such manner as to grip said stock rod.

2,181,359
HOIST
Arthur M. Barrett, Winnetka, Ill., assignor to Barrett-Cravens Company, Chicago, Ill., a corporation of Illinois
Application September 23, 1935, Serial No. 41,658
25 Claims. (Cl. 254—173)



1. A hoist comprising a stationary casing, a winding drum rotatably mounted with respect to said casing, governor means connected with said winding drum and engageable with said stationary casing to prevent too rapid a rotation of the winding drum in one direction, a driving member rotatably disposed in said stationary casing and having means serving as pawls to prevent rotation thereof in one direction, and means associated with said driving member for releasably connecting the same with said winding drum, said pawl means taking the reaction of said winding drum when said driving member is connected therewith and the winding drum tends to rotate in said one direction, said governor means controlling the rotation of said winding drum when the latter is disconnected from said rotatable member.

2,181,360
LEADER PIN OILER
Emil A. Baumbach, Chicago, Ill.
Application March 4, 1938, Serial No. 193,865
6 Claims. (Cl. 308—5)



1. A leader pin oiler for die sets comprising a hollow annular housing comprising two ring-like sheet metal members having wide outer flanges telescoped one within the other, said members having comparatively narrow inturned inner flanges spaced from said outer flanges and from each other to provide an annular chamber with an annular slot between the edges of said inner flanges, and a wick in said chamber having an annular portion extending from said opening to contact a leader pin when said housing is telescoped thereover, and an elongated compression spring secured to one of said members to resiliently support said oiler on a die shoe.

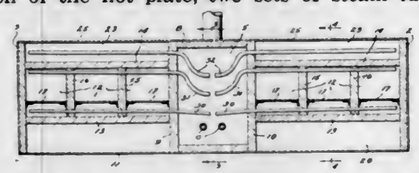
2,181,361
PIPE AND METHOD OF FORMING SAME
Albert C. Bean, Kansas City, Mo., and Joseph B. Ray, Forth Worth, Tex.
No Drawing. Application March 23, 1936, Serial No. 70,448
2 Claims. (Cl. 91—68)

2. A method of coating underground metallic pipes including the steps of applying a coating of Portland cement incorporated in boiled linseed oil by the aid of a water insoluble metallic soap of an organic acid directly to the metal of the pipe, permitting said coating to set and then applying thereover a second coating comprising pitch containing a minor proportion of a fibrous binding.

2,181,362
STOVE STRUCTURE
Robert P. Bolling, Detroit, Mich.
Application June 22, 1938, Serial No. 215,171
7 Claims. (Cl. 126—33)

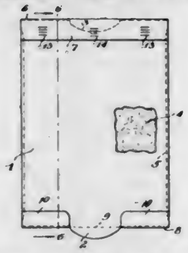
1. A device for the preparation of baked and fried food stuffs which comprises, a cabinet-like structure, walls for defining a combustion chamber for fuel in the central portion of the cabinet, an oven compartment on each side of the combustion chamber, a hot plate upon which food

stuffs may be fried and constituting the top of the cabinet, a heating chamber on each side of the combustion chamber and each positioned above an oven compartment and below a portion of the hot plate, two sets of steam tubes



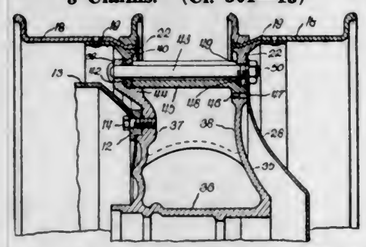
lying partially in the combustion chamber and extending laterally in opposite directions and into the oven compartments, and two sets of steam tubes lying partially in the combustion chamber and extending laterally in opposite directions into the said heating chambers.

2,181,363
HECTOGRAPH CARBON AND COPY SHEET ASSEMBLY
Richard V. Bowman, Philadelphia, Pa., assignor to Kee-Lox Manufacturing Company, Rochester, N. Y., a corporation of New York
Application December 14, 1938, Serial No. 245,693
5 Claims. (Cl. 41—31.6)



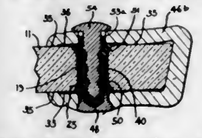
1. The combination with a sheet for use in making hectograph reproductions having a carbon coating on one side, of a copy sheet separate from the carbon sheet and positioned against said coated surface, and means carried by one of said sheets engaging the outer surface of the other of said sheets and acting to hold them removably in operative relationship.

2,181,364
WHEEL ASSEMBLY
Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application May 15, 1936, Serial No. 79,828
8 Claims. (Cl. 301—13)



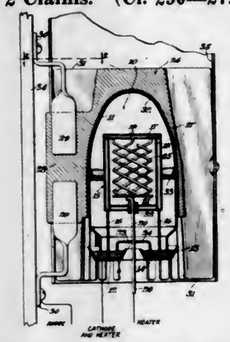
1. A wheel assembly comprising a wheel spider having laterally spaced radially extending spoke defining walls, the wall at the inboard side of said spider having beveled seats adjacent the ends of the spokes, a clamping bolt at each spoke end extending axially thereacross, a pair of tire rims having radially inturned flanges at their adjacent lateral edges, one of said rims being mounted on said inboard wall and the flange thereof being wedges radially outwardly on said seats, a clamping member embracing each of said bolts and held against the outer surface of the flange of said inboard rim, said member having at its outboard side a corresponding beveled seat for receiving the flange of the other rim, and means engaging said bolt for securing said rim flanges and clamping member rigidly to said spider.

2,181,365
OPHTHALMIC MOUNTING
Charles O. Cozzens, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 24, 1937, Serial No. 127,421
7 Claims. (Cl. 88—47)



1. In an ophthalmic mounting, a perforate lens, a strap overlying the lens at at least one end of the perforation in the lens and at an adjacent portion of the edge of the lens, a sleeve extending into the perforation in the lens from one end thereof, a securing body of moldable material in and about the sleeve, and a pin extending into the sleeve from the other end of the lens perforation and embedded in said moldable material, the pin and sleeve each having a head portion and the strap being held to the lens by at least one of said head portions.

2,181,366
ELECTRON TUBE
Donald V. Edwards, Montclair, and Edward B. Van Note, Trenton, N. J., assignors to Electrons, Inc. of Delaware, a corporation of Delaware
Application May 17, 1938, Serial No. 208,336
2 Claims. (Cl. 250—27.5)



1. An electron tube comprising a cathode, an anode enclosing the cathode and being wholly spheroidal in shape over that part of the anode surface which receives the electron discharge, and a radiator having a heat conducting portion of higher co-efficient of expansion than that

of the metal anode and having a spheroidal recess complementary to and fitted over the spheroidal anode and at the normal operating temperature of the tube being stressed in tension in all directions tangential to the recess surface to exert high inward pressure against all parts of the spheroidal surface of the anode over which it is fitted, which stress can be relieved only by temperature above the normal operating temperature of the tube.

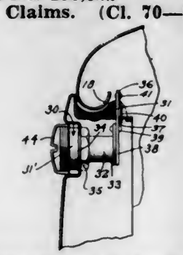
2,181,367

FENDER SKIRT LOCKING MECHANISM

Arthur P. Fergueson, Detroit, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Original application October 9, 1936, Serial No. 104,766. Divided and this application July 31, 1937, Serial No. 156,622

5 Claims. (Cl. 70—258)



2. A lock mechanism for an ornamental fender skirt having a fender engaging portion adapted to overlie the opening defining edge of a vehicle fender, a flange on said fender skirt in proximity to said fender engaging portion adapted to extend rearwardly beneath said opening defining edge of said fender, said flange having an aperture near its rearwardmost edge, said lock mechanism being secured to said fender skirt beneath said flange in proximity to said aperture and comprising a rotatable cylinder, and a locking arm extending through said aperture and eccentrically mounted on said cylinder, whereby said arm is adapted for movement into and out of locking engagement with the rear face of said vehicle fender.

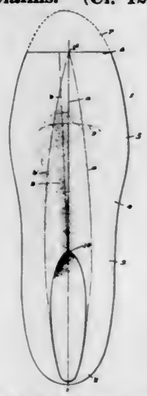
2,181,368

LAST

Jeremiah Fitzpatrick, Weymouth, Mass.

Application December 5, 1938, Serial No. 243,941

5 Claims. (Cl. 12—133)



1. A last in which the portions of the last between the heel and toe portions thereof, including said portions but not including the extreme toe portions of the last, are disposed to laterally extend at either side an equal distance from a certain central vertical plane passing longitudinally through the centre of the last, and in which the cone portion of the last is so formed and arranged that a central vertical plane passing longitudinally therethrough will extend at an angle with relation to said first mentioned plane, and the same distance will separate points in said first mentioned plane located, respectively, at the back of the heel and extremity of the toe of the last when measured along lines which correspond with the mean lines of pull on the leather during the lasting and contacting, respectively, with the cone on either side thereof.

2,181,369

PURIFICATION OF METHYL VIOLET

Orville S. Frank, Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application February 12, 1938, Serial No. 190,234

10 Claims. (Cl. 260—391)

1. The process for deodorizing methyl violet which comprises subjecting an aqueous solution of a water-soluble methyl violet salt to the extracting action of a solvent liquid which forms a separable layer with said solution and which is incapable of dissolving all of the methyl violet from the aqueous solution, whereby the said liquid takes up objectionable malodorous bodies from the aqueous solution, and separating the resulting two liquid phases.

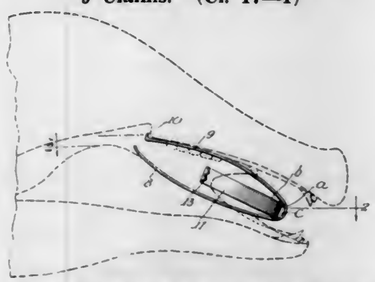
2,181,370

DEVICE FOR AND METHOD OF PROTECTING HOG-CARCASS TONGUES

Reuben J. Gunderson, Chicago, Ill.

Application February 23, 1937, Serial No. 127,059

9 Claims. (Cl. 17—1)



1. A tongue protector comprising a pair of expansible arms adapted to be pressed together and placed in the mouth of a carcass between the tongue and the top of the mouth and operating, when so placed and then released, to spring apart vertically and hold the tongue against the lower jaw, and a pair of laterally expansible arms connected to the first mentioned arms and adapted to be pressed together in connection with placement of said first mentioned arms in the mouth of said carcass and upon release thereof to engage the sides of the mouth and hold the protector in place.

2,181,371

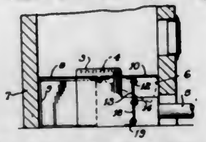
MEANS FOR PROTECTING THE RETORTS OF STOKERS AGAINST HIGH TEMPERATURES

Ross C. Johnson, Dayton, Ohio

Application July 31, 1937, Serial No. 156,805

2 Claims. (Cl. 110—45)

1. In stoker apparatus of the class described, the combination with a fire-box having an opening in the base thereof to atmosphere, and a retort therein spaced from the walls of said box and having tuyère openings in the upper portion thereof, of a partition member extending across the fire-box between the tuyère openings of the retort and the air opening of the fire-



box and dividing the fire-box into a combustion chamber and a cooling chamber, said partition comprising a stationary section having a dumping door therein for establishing communication between the combustion chamber and the cooling chamber, and means extending outwardly of the fire-box for operating the door to open and close the same.

2,181,372

PROCESS OF PUFFING CEREALS

John L. Kellogg, Chicago, Ill., assignor to New Foods, Inc., Chicago, Ill., a corporation of Delaware

No Drawing. Application December 17, 1936, Serial No. 116,351

5 Claims. (Cl. 99—82)

1. Process of puffing a hulled cereal which comprises: steeping the cereal at a sub-cooking temperature to bring about gelatinization of the starch and the swelling and softening of the grains; drying the material; and heating it, in the form of separate non-adherent grains under pressure and suddenly releasing the pressure to bring about an explosive puffing.

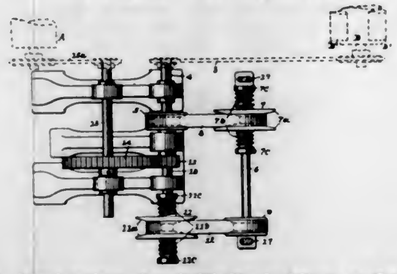
2,181,373

SELF-CONTROLLED VARIABLE SPEED MECHANISM

William R. Kent, Passaic, N. J.

Application February 11, 1938, Serial No. 189,921

9 Claims. (Cl. 242—75)



7. Mechanism for initially holding a flexible length under a given tension and thereupon advancing it in one direction of its length including a train of rotary intergeared parts having the terminal parts thereof respectively constituting a wound-mass core member and a member for delivering such length at substantially constant speed, said train having adjoining parts thereof held bearing against each other at substantially constant pressure and forming the elements of a friction-drive and having one such element free to be shifted relatively to the other in the direction to change their speed-ratio when the train is driven to advance said length in said direction and being so free to be shifted by a force originating as torque of the wound mass and transmitted to said element wholly within the train.

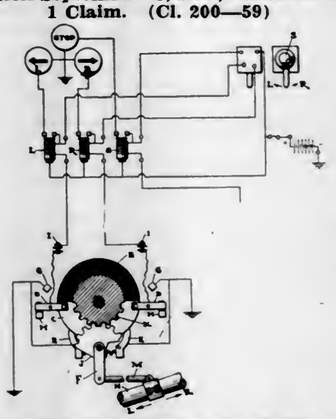
2,181,374

CIRCUIT MAKE AND BREAK DEVICE

Charles Larcamp, Wooster, Ohio

Application September 15, 1936, Serial No. 100,928

1 Claim. (Cl. 200—59)



In a motor vehicle having an electric system, means for making and breaking electric circuits, comprising in combination, a shiftable member composing a pair of segments, one being a conductor, and the other an insulated member, a stationary contact terminal, a movable contact finger interposed between the shiftable member and the stationary contact terminal, said finger adapted to engage the contact terminal and the conductor section of the shiftable member when shifted in one direction, and engage the insulated section when shifted in the opposite direction, and means for actuating the shiftable member in opposite directions, substantially as set forth.

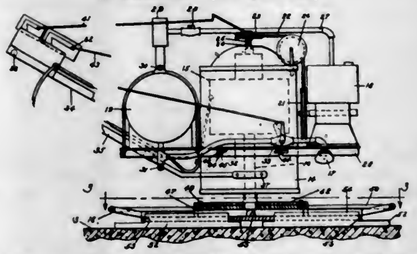
2,181,375

FINISHING DEVICE FOR CEMENT SURFACES

Charles A. Leistner, Covington, and Roy Conway, Fort Thomas, Ky.

Application June 10, 1938, Serial No. 213,008

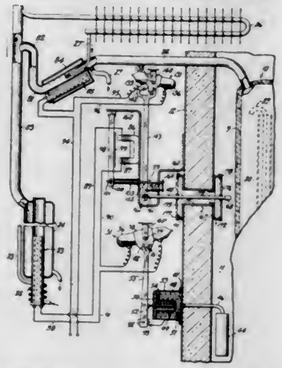
2 Claims. (Cl. 94—45)



1. In a machine for finishing the surface of cement, the combination of a rotary finishing member resting upon the surface, a housing supported by the member, a motor within the housing, a handle for manipulating the entire unit, said finishing member comprising a circular hub driven by the motor and having a downwardly extending, peripheral rim, a relatively large disk fastened to the rim and disposed coaxially with the hub, a plurality of radial, elongated slots formed wholly through the disk which extend beneath the hub and terminate near the peripheral edge of the disk, cut out portions in the rim adjacent the slots, a number of flexible trowel blades depending from the disk and disposed at an acute angle thereto in the direction counter

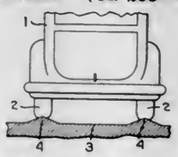
to the rotation of the member, said blades extending a substantial distance beyond the periphery of the disk, means for removably holding the blades on the disk and comprising a flange for the blades adapted to be received in the slots, upstanding pins on the disk for engagement with complementary holes formed in the flange, and spring fingers contacting the edge of the flange intermediate the pins and adapted to exert a downward pressure thereon, and a circular guard positioned on the disk and disposed above and beyond the outer edges of the blades.

2,181,376
REFRIGERATION
Erik Sigfrid Lynger, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application June 17, 1937, Serial No. 148,709
In Germany July 10, 1936
17 Claims. (Cl. 62—5)



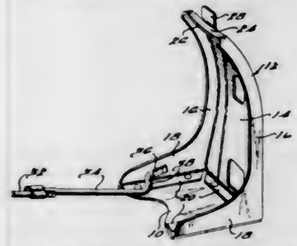
1. Refrigeration apparatus of a continuous absorption type including a cooling element, a generator having a flue, a source of heat for said generator, a device for controlling the source of heat, structure including a member movable toward the cooling element to instigate defrosting when a layer of frost of predetermined thickness has formed on the cooling element, and means for causing said member to move automatically from time to time toward said cooling element with changes of temperature of said flue.

2,181,377
TRACK FOR PNEUMATIC-TIRED VEHICLES
Henry C. Mabie, Jamaica Plain, Mass.
Application February 8, 1938, Serial No. 189,418
3 Claims. (Cl. 238—6)



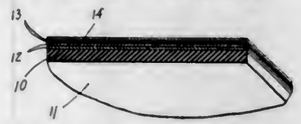
1. A roadway for a pneumatic-tired vehicle, said roadway presenting a road surface and two parallel ridges rising from said surface and extending lengthwise of the roadway, said ridges being spaced apart a distance equal to the gauge of said vehicle, and each ridge presenting two flat converging sides meeting at the apex of the ridge, each side having a transverse dimension of sufficient extent to provide a surface on which the pneumatic tire may roll without contacting with the road surface, and the two sides forming between them a sufficiently wide obtuse angle, whereby the frictional engagement of the tire with either side face is sufficient to prevent the tire from slipping by gravity transversely of the side face toward the bottom thereof.

2,181,378
LIFTING MECHANISM
Joseph J. Mizer, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application August 5, 1939, Serial No. 288,551
2 Claims. (Cl. 254—133)



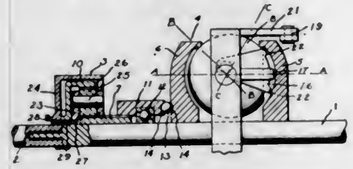
1. A device of the class described comprising a supporting member of channel-shape having a base portion at one end and a vehicle engaging saddle portion adjacent the other end, the base portion and the saddle portion being offset from the mid-portion of the member in the direction in which the flanges thereof face, and an extensible handle having one end secured to the member within the channel portion thereof and, when collapsed, being adapted to nest within the body of the member.

2,181,379
METHOD OF FORMING CEMENT-ON RUBBER SOLES
Albert L. Murray, Auburn, Ind.
Application November 11, 1937, Serial No. 173,968
7 Claims. (Cl. 154—40)



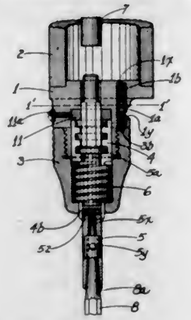
1. In the process of forming a rubber unit such as a sole or heel suitable for shoe repair purposes, the combination of forming a layer of relatively thin raw rubber derived from rubber cement substantially free from surface skin and evaporating the liquid therefrom, forming a layer of relatively unweakened, relatively tough rubber free from vulcanizing agents and having skin forming tendencies and derived from rubber latex and evaporating the liquid therefrom, the rubber latex comprising concentrated milk of latex in an amount sufficient to prevent migration of vulcanization therethrough, forming a layer of vulcanizable tread stock, the unweakened latex rubber layer being between the other cement rubber and tread stock layers, and then permanently consolidating the layers by heat and pressure, the heat vulcanizing the tread layer and vulcanizing the intermediate layer thereto, the latter preventing migration of vulcanization to the thin, cement-derived raw rubber layer.

2,181,380
VARIABLE SPEED TRANSMISSION
Willard L. Pollard, Evanston, Ill.
Application March 30, 1936, Serial No. 71,608
15 Claims. (Cl. 74—285)



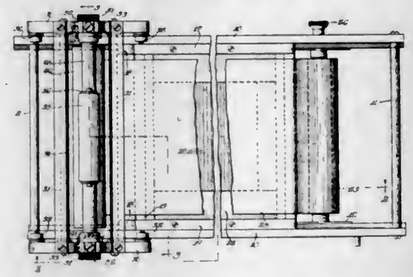
1. A variable speed friction transmission comprising a driving shaft, a driven shaft coaxial therewith, a three-element planetary comprising (1) a first gear, (2) a second gear coaxial therewith and (3) a gear carrier and planetary gearing carried thereby meshing with said coaxial gears, one of said elements being rotatable with the driving shaft, another element being rotatable with the driven shaft, and another element being a control element, and means for selectively causing the control element to rotate in the same direction as the driving shaft or in the opposite direction, the means for causing it to rotate in said opposite direction comprising a variable speed drive having a driving rotor and a driven rotor both coaxial with said shafts, said control element being rotatable with said driven rotor, the means for causing the control element to rotate in the same direction as the driving shaft including releasable gripping means for connecting and disconnecting said control element with respect to said driven rotor and for connecting the control element to rotate with the driving shaft.

2,181,381
INTERNALLY CUSHIONED TOOL-AND-CHUCK LOCK FOR POWER HAMMERS
John J. Roberts, Louisville, Ky.
Application July 26, 1937, Serial No. 155,586
1 Claim. (Cl. 279—19.7)



In a power-hammer having a reciprocating hammer-head and operating mechanism enclosed in a casing, a nozzle; an axial boring through the nozzle; a nozzle-cap mounted on said nozzle; an axial boring of predetermined size in the nozzle-cap in alignment with the axial boring in said nozzle; a counterbore in the nozzle-cap, whose walls form a coincident continuation of the walls of the counterbore in the nozzle; in combination with a tool-and-chuck lock, comprising duplicate, cylindrical halves of a split sleeve, the upper portion thereof, serving as a head, being larger than the remaining lower portion and adapted to slip-fit in said counterbores, and the lower portion thereof, being adapted to slip-fit in the axial boring of the nozzle-cap; a collared shank of a bit-chuck adapted to fit in said tool-and-chuck lock; a plurality of similar, annular grooves around the inside of the head of said tool-and-chuck lock, adapted to hold the collar of said shank high or low in normal operation for adjusting the speed and power of stroke of said hammer by changing the zone of operation of said hammer-head; and a helical compression spring fitting in the lower end of said cap-counterbore and adapted to slip-fit over the lower portion of said tool-and-chuck lock to hold the lock in its service position, said spring being adapted, also, to cushion the hammer-blows on the mechanism, when the bit-chuck is empty.

2,181,382
PRINTING DEVICE
Charles F. Schlecht, Chicago, Ill.
Application May 21, 1937, Serial No. 143,879
1 Claim. (Cl. 101—274)

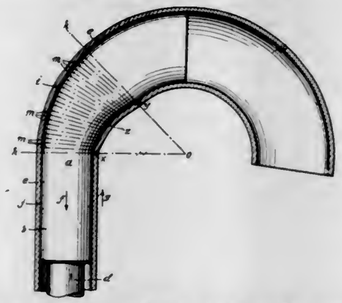


A printing device comprising a main frame, a removable type chase mounted on said main frame, a reciprocal carriage mounted on said main frame, a rubber roller journaled on said carriage and adapted to move over said chase by the reciprocation of said carriage, said chase having inclined strips at one end thereof for guiding and lifting said roller on to said chase, vertically movable bearings mounted on said carriage for supporting said roller, an oscillatable shaft mounted eccentrically on said carriage and connected to said bearings for raising and lowering said bearings, an oscillatable handle secured to said shaft for vertically moving said roller, and separate supporting and adjustable means for each end of said shaft for adjusting the position of said shaft in said carriage.

2,181,383
PROCESS FOR THE PREPARATION OF LIGHT-SENSITIVE EMULSIONS
Carl Adolf Schleussner, Frankfort-on-the-Main, Germany
No Drawing. Application March 23, 1936, Serial No. 70,541. In Germany March 22, 1935
4 Claims. (Cl. 95—7)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

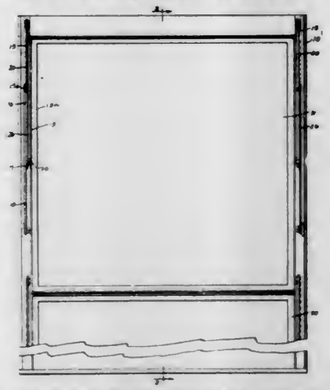
1. A method of preparing a photographic emulsion comprising treating the emulsion with oscillations of approximately 100 meters wave length thus tending to produce a substantial increase in temperature of the emulsion, and artificially cooling the emulsion during said treatment to maintain the emulsion at a substantially constant temperature at about 38° C.

2,181,384
MANDREL FOR MAKING PIPE BENDS
James Hall Taylor, Oak Park, Ill.
Application January 15, 1938, Serial No. 185,162
1 Claim. (Cl. 153—32)



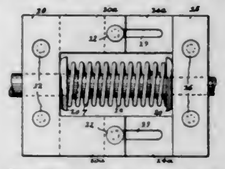
A mandrel for making pipe bends, comprising a body having a straight cylindrical portion of less diameter than the interior diameter of the desired bend, a curved portion of uniform diameter the same as the interior diameter of the desired bend, and an intermediate curved portion connecting said first-named and second-named portions and increasing in diameter from said first-named portion to said second-named portion, the outer side of said intermediate and said second-named portions being of regular curvature and curved on an arc struck from a distant center and merging into the outer side of said first-named portion tangent thereto, the inner side of said intermediate portion being curved and of such curvature that the cross sectional areas of said intermediate portion in successive transverse planes equally spaced angularly about said center vary in diameter by substantially equal increments.

2,181,385
REVERSIBLE WINDOW
Le Roy B. Taylor, Cleveland, Ohio
Application January 31, 1938, Serial No. 187,793
2 Claims. (Cl. 189—67)



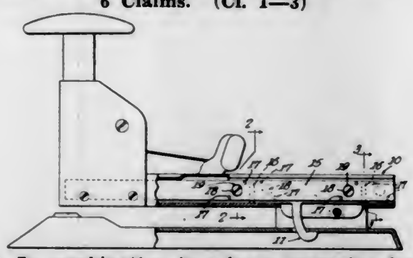
1. In a reversible window the combination of an outer casing having stiles each shaped to form a flange on the inner side of the window and a vertical channel intermediate its width, a guide housing extending vertically beside each stile, said housing having an inner flange overlying the flange of the stile on the inside of the window, the inner edge of the housing being bent to form an angle which fits within the channel of the stile, the intermediate portion of the housing being spaced from the stile to form a vertical chamber, the said inner flange of the housing having a vertical slot communicating with said chamber, a reversible sash fitting between the housing, a pair of swinging arms provided at one end with rollers which travel up and down in the channels of the housings and pivoted at the other end to the sash, and a pair of links pivoted at opposite ends to the arms and stiles respectively, said arms and links swinging through said slots when the sash is reversed.

2,181,386
PICKER STICK BUFFER FOR LOOMS
Joseph Vanore, Haledon, N. J.
Application March 8, 1939, Serial No. 260,487
7 Claims. (Cl. 139—167)



1. A buffer for the picker of a loom comprising a pair of members movable together and apart and each having a portion projecting toward the other member, said portions being wholly lateral of and in wiping contact with each other, means, extending through said members transversely of their movement, to maintain the members with said portions in such contact with each other, and resilient means interposed between and yieldingly opposing movement together of the members.

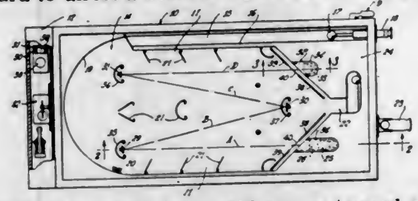
2,181,387
STAPLING MACHINE CORE
William F. Weber, Chicago, Ill.
Original application August 27, 1934, Serial No. 741,658. Divided and this application July 31, 1937, Serial No. 156,683
6 Claims. (Cl. 1—3)



1. In combination in a beam magazine for a stapling device, an external member for preventing displacement for staples, an internal member upon which the staples ride, and means for adjusting the spacing between said members.

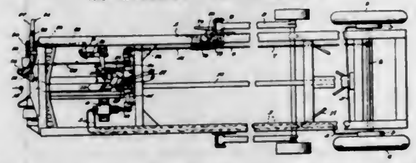
2,181,388
GAME APPARATUS
James Grayar Wells, Chicago, Ill., assignor to J. H. Keeney & Co., Inc., Chicago, Ill., a corporation of Illinois
Application December 13, 1937, Serial No. 179,420
2 Claims. (Cl. 273—118)

1. In an amusement game apparatus of the class described which includes photo-electric control means arranged for actuation by light projected across a ball playing board for interruption by a ball moving on the board, the combination of reflecting means arranged on said board to direct a beam of light in a devious path



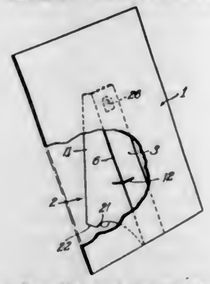
across said board from said source toward said photo-electric control means, and means on said board for deflecting a ball so that the latter may be caused to follow a devious path over said board to interrupt said beam to actuate said control means a corresponding number of times.

2,181,389
TRACTOR SEMITRAILER COMBINATION
William H. Wilson and Charles H. Land, Detroit, Mich.
Application May 5, 1938, Serial No. 206,135
20 Claims. (Cl. 188—3)



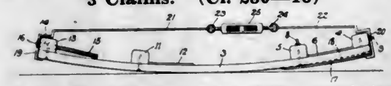
1. In a tractor semitrailer combination, brakes for the wheels of the semitrailer, hydraulic means on the trailer for operating the brakes, means on the tractor operable to apply the trailer brakes through the said hydraulic means, mechanical means on the trailer for operating and applying the brakes, means in the mechanical means for holding the brakes applied upon tractor semitrailer separation, means on the trailer for releasing the holding means for release of the brakes, and means on the trailer for reapplying the brakes by said mechanical means.

2,181,390
EASEL
Arthur M. Barrett, Winnetka, Ill.
Application August 9, 1933, Serial No. 684,333
Renewed May 28, 1938
4 Claims. (Cl. 248—198)



1. An easel for display purposes and the like, comprising a face portion and a stay portion of integral construction and formed of cardboard or the like having a scored fold line dividing said portions, and a wire staple inserted into the material of said portions when they are flat, the staple being disposed across the fold line at the side of said portions in which the score defining the fold line is made and having its ends projected entirely through the portions adjacent the fold line and clinched, respectively, to said portions at the other side thereof, whereby when one of the portions is swung outwardly about the fold line relative to the other portion, said wire staple will be bent and will serve to reenforce the scored zone of the easel and hold said portions in the relative position to which they have been moved.

2,181,391
SLED
Gunnar E. Burgeson and Harvey W. Burgeson, Chicago, and Vern C. Wicklund, Oak Park, Ill.
Application March 7, 1938, Serial No. 194,364
3 Claims. (Cl. 280—18)



1. A sled having a smooth, unobstructed ground contacting surface continuous from end to end, a plurality of cross pieces extending the entire width of the sled and rigidly attached thereto, one of them being located at the extreme rear end, another being spaced forwardly therefrom a distance sufficient to permit the operator to place his foot between the two cross pieces and whereby the operators foot is held in a position substantially perpendicular to the longitudinal axis of the sled, a member extending parallel with and offset from the longitudinal axis of the sled, extending between the cross pieces at the rear of the sled and spaced above the upper surface of the sled thereby sufficiently to permit the operator to insert his toe beneath such longitudinal member.

2,181,392
DEAD-END CABLE GRIPPING DEVICE
Clyde L. Chatham, Nutley, N. J., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application August 20, 1937, Serial No. 160,050
12 Claims. (Cl. 24—115)

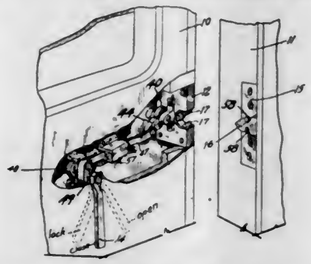


4. A cable gripping device for attaching the dead end of a cable to a support, said device including a flat flexible strip, a tubular braid covering said strip and conforming to the shape thereof, said strip and braid having the form of a closed loop intermediate their ends, a yoke member within and secured to said loop, and means for securing the ends of said braid together.

2,181,393
AUTOMATIC DOOR LOCK
Charles L. Crooks, Pueblo, Colo.
Application August 22, 1938, Serial No. 226,085
11 Claims. (Cl. 292—25)

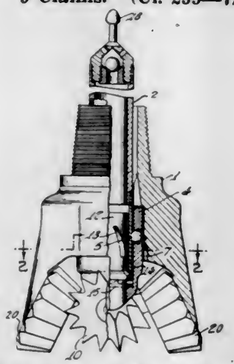
1. In a door latch mechanism of the type hav-

ing a pair of pivoted hooked end bolts adapted to engage an arrowhead type of keeper, a means for engaging and disengaging said bolts with said keeper comprising: an inner extremity on each bolt, said extremities being turned toward each other in overlapped relation; a bolt closing member positioned for movement between said bolts to contact the overlapped extremities thereof to



force the latter apart so as to force the forward extremities towards each other; and a bolt opening member positioned beyond the overlapped extremities so that it may contact and force the latter together so as to separate the forward extremities thereof; and means for causing said closing member to release said bolts as said opening member opens them.

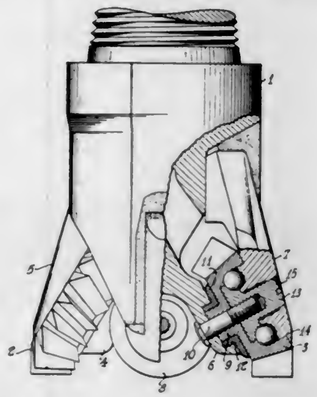
2,181,394
EARTH DRILL BIT HEAD
Charles A. Dean, Compton, Calif.
Application August 6, 1938, Serial No. 223,405
9 Claims. (Cl. 255—72)



1. A drill bit comprising an outer shell containing a central recess, a carrier housed therein for vertical play, a central opening through the carrier to receive a core barrel, a latch carried within the shell and operative with vertical movement of the carrier to lock and unlock the core barrel against vertical movement in operating position, the carrier bearing against the latch for actuation thereof.

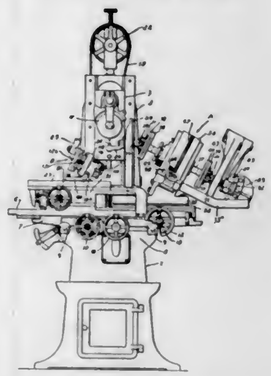
2,181,395
ROTARY BIT
Charles A. Dean, Compton, Calif.
Substitute for abandoned application Serial No. 137,404, April 17, 1937. This application December 1, 1938, Serial No. 243,401
4 Claims. (Cl. 255—71)

1. In combination in an earth drill, a bit head comprising a pair of bifurcated support arms, a roller cutter with a bearing hub projecting from one face thereof, a wear-resistant element mounted as a sleeve about the hub to bear against the adjacent support arm, a trunnion bolt in one



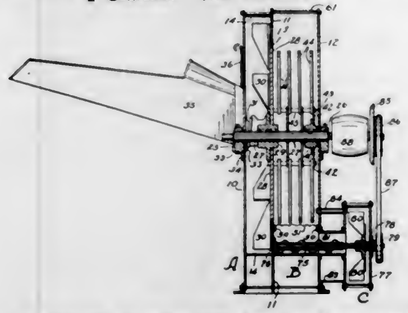
arm supporting the hub, and in the other arm a trunnion plug supporting the roller cutter and movably engaged by the trunnion bolt to be drawn against the roller cutter.

2,181,396
METHOD OF AND MEANS FOR MAKING FORM TOOLS
John Edgar, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Original application February 28, 1929, Serial No. 343,451. Divided and this application September 28, 1934, Serial No. 745,914
18 Claims. (Cl. 51—92)



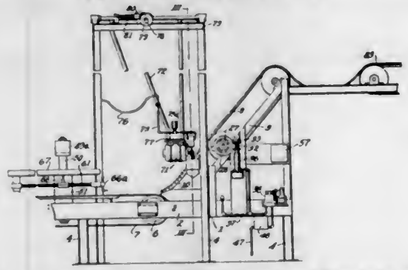
1. A method of grinding a cutting contour on straight gash form tools with end and side clearances which comprises dressing a grinding wheel to a contour different than said cutting contour and modified for an end clearance angle, positioning a tool blank at a modified end clearance angle swung horizontally at a side clearance angle and tipped from the vertical to compensate for side clearance relatively to a tangent to said wheel, and grinding said tool blank by moving it tangentially of said wheel in a direction perpendicular to the wheel axis.

2,181,397
DUAL PURPOSE FEED MILL
Charles E. Everett, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis., a corporation of Maryland
Application March 24, 1938, Serial No. 197,849
4 Claims. (Cl. 146—79)



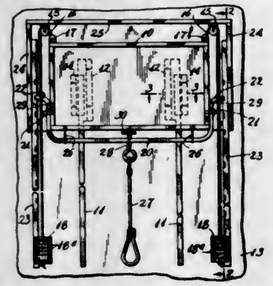
1. A device of the class described, comprising in combination, an ensilage cutter and a feed grinder mounted in a unitary housing and having an annular ring therebetween and a common driving shaft, a disc secured to said shaft and being positioned to thereby cooperate with said annular ring to form a partition between said ensilage cutter and feed grinder, ensilage cutting and blowing means mounted on one side of said disc, said feed grinding means positioned at the other side of said disc, the inlet to said feed grinder being positioned adjacent the outlet of said ensilage cutter, an opening in said annular ring being positioned between the outlet of said ensilage cutter and the inlet of said feed grinder, a gate valve positioned at said opening and having means whereby the material from said ensilage cutter may be optionally directed through the ensilage cutter outlet or into said feed grinder inlet.

2,181,398
MACHINE FOR CUTTING STRIP STOCK
Vance S. Firestone, Newark, Ohio, assignor to The Pharis Tire and Rubber Company, Newark, Ohio, a corporation of Ohio
Application October 14, 1938, Serial No. 235,009
13 Claims. (Cl. 164—76)



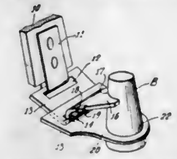
1. Apparatus for cutting strip rubber into predetermined lengths comprising a power driven conveyor having an inclined section, a light sensitive switch positioned adjacent said conveyor in spaced relation to said inclined section, means for directing a beam of light toward said switch, said beam passing through the path of movement of the material on said conveyor, electro-responsive means connected with said light sensitive switch and operative to arrest the movement of the conveyor when the beam of light is intercepted, and a motor driven circular knife mounted for movement in a plane extending transversely of the conveyor at the inclined portion of the conveyor to sever the material thereon.

2,181,399
RETURNABLE UTILITY CABINET
Walter S. Forbes, Staten Island, N. Y.
Application April 24, 1939, Serial No. 269,588
6 Claims. (Cl. 312—32)



1. A utility cabinet comprising a container, means for guiding said container in upward and downward motion, means for urging said container upwards, stationary racks extending along the path of motion of said container, a yoke pivotally mounted on said container and having fingers engageable with said racks for holding the container in fixed positions, resilient means urging said yoke in a direction in which said fingers engage said racks, and a cable connected with said yoke to pivot the yoke to a position in which said fingers are free of the racks so that the container may be pulled down by pulling said cable.

2,181,400
BATTERY CARRYING STRAP
Sam Goldman, Brooklyn, N. Y.
Application December 7, 1938, Serial No. 244,338
2 Claims. (Cl. 294—104)



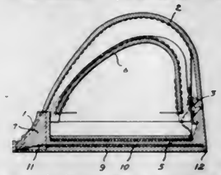
1. A battery-carrying strap having clamps for engaging the terminals of an electric storage battery, each clamp comprising in combination, a flat piece having an opening at one end engageable in a transverse plane with a frustro-conical terminal of the battery and a transverse slot near the other end, and an element passing thru said slot and rockable in said slot, having one end above said piece and engageable with and exerting downward pressure on said terminal and the other end extending below said piece and attached to said strap, an intermediate portion between said ends and passing through said transverse slot disposed at an obtuse angle with reference to said terminal end and disposed at an acute angle with reference to the top of said strap end, said intermediate portion and said opening end of said element being narrower than the remainder of the element, and a lug on the side of said opening end of said element and overlying an end of the transverse slot.

2,181,401
SWITCHING OF METAL STOCK AND THE LIKE
Charles W. Hawthorne, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application July 27, 1936, Serial No. 92,836
20 Claims. (Cl. 193—39)



1. The combination with a plurality of stock-conveying paths having their entrances substantially in a row, of a movable guide device common to all the entrances of said row and adapted by lateral engagement with successive pieces of stock moving toward said entrances to direct each piece into a selected path, and operating means for said guide device to initially free it from lateral engagement with a so-directed piece of stock passing across same into one of said paths and then to dispose said guide device, still free from lateral engagement with said passing piece, in operative relation with the entrance of another of said paths.

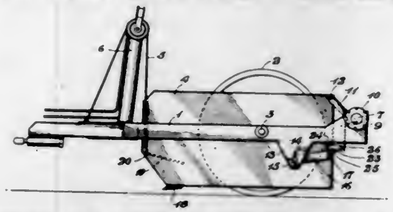
2,181,402
BOX
Benjamin S. Katz, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application February 24, 1937, Serial No. 127,367
1 Claim. (Cl. 206—75)



A display container for wrist watches or the like comprising a hollow base having a depending portion providing a recess in the upper side of the base, a hollow crown-shaped cover for the top of the base hingedly connected to an end thereof, a crown-shaped saddle adapted to rest within the recess of the base, said saddle adapted to display a wrist watch, ribs connecting the depending portion and the side walls of the hollow base, a bottom cover plate secured in position over the depending portion and the ribs for the purpose of providing a flush bottom for the base.

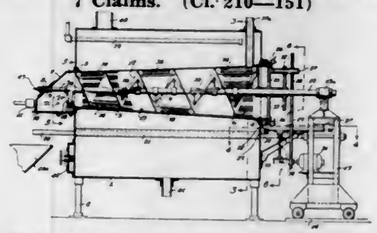
2,181,403
COMBINATION DIRT AND GRAVEL GRADER AND DUMP BOX
Frithjof N. Kolberg, Sioux Falls, S. Dak.
Application August 2, 1938, Serial No. 222,687
6 Claims. (Cl. 37—133)

1. An apparatus of the type set forth, including an open frame, a scoop within the frame having digging means adjacent its front end, links pivoted to the rear end of the scoop adjacent the bottom portion thereof, and to the frame at points below the top of the frame, other links pivoted to the scoop at the rear end thereof, and adjacent the top portion thereof, and extending outwardly and downwardly from the rear end of the scoop and pivoted to the upper portion of the frame, means to raise and lower the front end of the scoop and means to limit forward



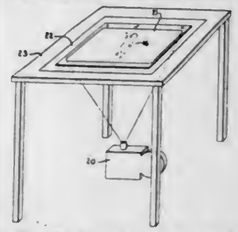
movement of the scoop in dumping thereof, thereby to retain the other named links in a substantially vertical position.

2,181,404
STRAINER
Benjamin A. Koppitz and John A. Hartung, Detroit, Mich.
Application February 7, 1938, Serial No. 189,101
7 Claims. (Cl. 210—151)



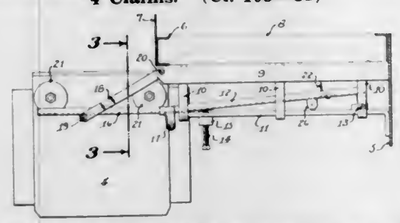
1. In an apparatus of the character described, a strainer of substantially conical shape supported with its axis substantially horizontal, means for supplying a mixture of liquids and solids to said strainer adjacent to one end thereof, a screw-type conveyor for agitating said mixture and for moving the heavier materials lengthwise of said strainer, a guide, said guide extending in a plane parallel to the axis of said strainer, and a traveller supported for longitudinal movement on said guide and supporting said conveyor for movement into and out of said strainer.

2,181,405
METHOD OF MAKING ANIMATED MOTION PICTURES
Emil Kosa, Sr., Los Angeles, Calif.
Application March 30, 1938, Serial No. 198,846
3 Claims. (Cl. 88—16)



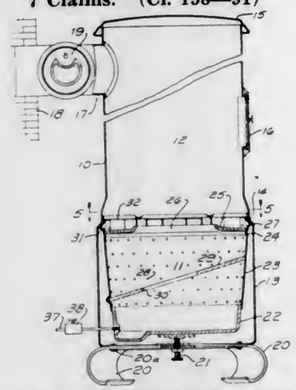
3. The method of making an animated motion picture film comprising making a series of photographs of a moving subject and thereby producing a negative film of the subject, making a positive film from the negative film, arranging the positive and negative films in exact registration and with the emulsions on the negative film and positive film out of engagement, projecting light through the superimposed negative and positive films to produce successive projected images of an outline of the subject visible upon a series of cells, employing the successively projected images of the outline of the subject as guides in drawing a character upon the series of cells and thereafter successively photographing the drawings of the character on a film.

2,181,406
MOVABLE SUSPENSION FRAME
Frank E. Madden, Oakland, Calif.
Application April 5, 1938, Serial No. 200,113
4 Claims. (Cl. 105—51)



1. Means for movably supporting an object comprising a fixed frame, a track member having one end pivotally connected with said frame, a screw carried by said frame and engaging the other end of said track member to move it from inclined to horizontal position, an extension movably connected with the last mentioned end of said track member and forming therewith a continuous track on which the object is movably supported, said extension being retractable away from its continuous track forming position.

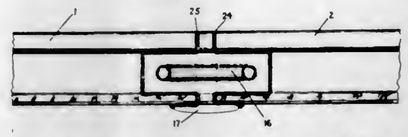
2,181,407
COMBUSTION APPARATUS
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application April 16, 1938, Serial No. 202,397
7 Claims. (Cl. 158—91)



1. Combustion apparatus comprising, in combination, a burner of the vaporizing pot type and a combustion chamber in open communication therewith, a top wall for the burner having a large central opening therein, said combustion apparatus having a plurality of air inlet openings above said top wall communicating with the combustion chamber, and a baffle located in spaced relation above said top wall and above said air inlet openings, said baffle being in the form of an annular ring having a plurality of angularly spaced projections extending radially inwardly therefrom whereby a portion of the air admitted through said air inlet openings is directed toward the opening in the top wall of the burner and another portion of said air may rise between said projections directly into the combustion chamber.

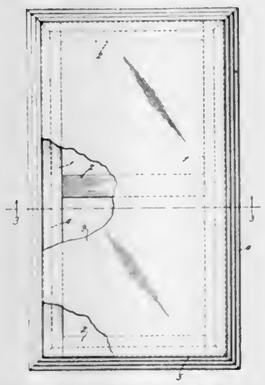
508 O. G.—62

2,181,408
RAILWAY RAIL FASTENING
Ernest C. Neal, Coquille, Oreg., assignor to Railway Track Joint Corporation, Coquille, Oreg., a corporation of Oregon
Application March 22, 1937, Serial No. 132,364
3 Claims. (Cl. 238—164)



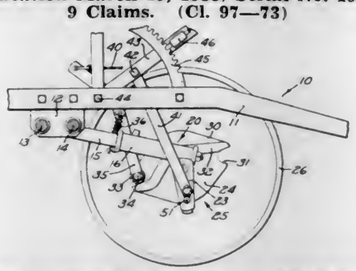
1. In a device of the class described, the combination of a one piece block made of alloy metal, said block being comprised of a central section and ends that are bifurcated and outwardly extending from the opposite sides of the central section, with the inside surface of the bifurcated ends being placed to fit the engaging sides of the web of the rail, each of said bifurcated ends having a tapered hole disposed therein, an under jaw disposed upon the under side and central of the block, lugs disposed upon the opposite sides of the central section against which the rail ends will abut when positioned within the one piece member, and ribs disposed on the outside of the body of the block and extending between the tapered holes that extend through the bifurcated ends.

2,181,409
ADVERTISING SIGN
Ward W. Patterson, Webster Groves, Mo.
Application October 27, 1938, Serial No. 237,165
1 Claim. (Cl. 40—125)



An advertising sign having a frame, a sheeting extending over the front of the frame and backwardly along its sides, a molding having an angular groove accommodating the rear edge of the frame, clamping against the edges of the sheeting and lying a substantial distance to the rear of the face of the sheetings.

2,181,410
PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 19, 1938, Serial No. 196,827
9 Claims. (Cl. 97—73)



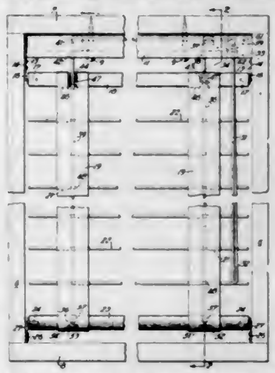
1. An implement comprising, in combination, a main frame and a wheel carrying frame connected to said main frame for vertical swinging, lifting mechanism carried on one of said frames and including a lifting crank, a bearing stud, means for adjustably attaching said stud to said crank at various positions thereon, including means for preventing rotation of said stud relative to said crank, and link means operatively connecting said lifting crank with the other of said frames.

2,181,411
CHLORINATION OF NITROMETHANE
Byron M. Vanderbilt, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application February 10, 1938, Serial No. 189,763
10 Claims. (Cl. 260—644)

1. In a process for the chlorination of nitromethane, the step which comprises treating an aqueous solution of nitromethane with a chlorinating medium comprising essentially chlorine and a metal hypochlorite of the class consisting of alkali and alkaline earth hypochlorites, in which said chlorine is present in sufficient amounts to convert all of the metal hydroxide, formed by the action of said hypochlorite or nitromethane, into the corresponding hypochlorite.

2,181,412
VENETIAN BLIND
Charles H. Wood, Oakland, Calif.
Application March 21, 1938, Serial No. 197,166
3 Claims. (Cl. 156—17)

1. A device of the class described comprising a frame bordering an opening, an upper tilt bar pivotally mounted for rotational movement about its longitudinal axis on said frame adjacent one side of said opening, a lower tilt bar likewise pivotally mounted on said frame adjacent the opposite side of said opening, a plurality of shutter blades positioned in said opening between said tilt bars, means connecting said tilt bars and said shutter blades together for supporting said shutter blades in spaced relation to each other and to said tilt bars and whereby upon rotational movement of said upper tilt bar like rotational movement will be imparted to the shutter blades and the lower tilt bar, a cord secured at one end to said lower tilt bar and extending upwardly toward said upper tilt bar, first guide means on and adjacent the rotational axis of said upper tilt bar over which said cord passes, second guide means on said upper tilt bar spaced radially from said rotational axis thereof, and from the first guide means, with which said cord is also engaged, and a fixed guide on said frame over which



said cord passes after leaving said second guide means.

2,181,413
REAR FRAME MEMBER
Bert J. Anderson, Hammond, Ind.
Application April 1, 1937, Serial No. 134,260
3 Claims. (Cl. 280—291)



1. A rear frame member for velocipedes comprising a stamping having a relatively flat upper surface, a backbone receiving opening near each end of said upper surface, said openings being in alignment and adapted to receive the rear end of a bifurcated backbone, and means formed of crimpable portions of said stamping for positioning an axle beneath said upper surface.

2,181,414
SADDLE CONSTRUCTION FOR VELOCIPEDES
Bert J. Anderson, Hammond, Ind.
Application October 13, 1937, Serial No. 168,765
3 Claims. (Cl. 155—5.23)

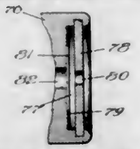


1. A velocipede saddle comprising a dished stamping having an outwardly projecting rim, a resilient seat member, having substantially vertical side portions with a bead along the lower edge thereof positioned on said stamping, a crimping member of substantially channel section and corresponding in plan to the perimeter of the stamping, the lower flange of the channel member being in engagement with the rim portion of the stamping, and the upper flange of said channel member being in engagement with the bead of said seat member, the edge of said upper flange being in abutting engagement with the vertical edge portion of said resilient seat member.

2,181,415
VALVE MECHANISM FOR SHOCK ABSORBERS
Dennis B. D. Blake, Chicago, Ill., assignor of one-half to Donald E. Willard, Danville, Ill.
Application December 14, 1935, Serial No. 54,391
8 Claims. (Cl. 138—46)

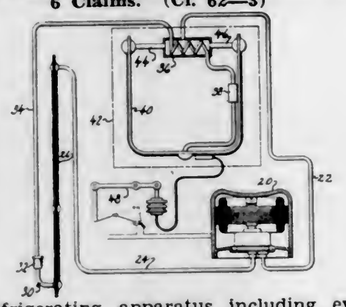
2. In a fluid flow shock absorber, a valve structure comprising a pair of fixed end members and a movable member disposed therebetween, each

member having an aperture, the movable member being positioned relative to one end member in response to fluid pressure on one side of the structure to mask a portion of their respective apertures and the movable member being positioned



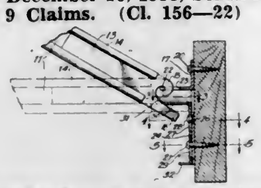
relative to the other end member in response to fluid pressure on the opposite side of the structure to mask a portion of their respective apertures, said maskings forming resultant flow-controlling openings having different areas.

2,181,416
REFRIGERATING APPARATUS
Chalmers B. Boles, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 26, 1938, Serial No. 198,300
6 Claims. (Cl. 62—3)



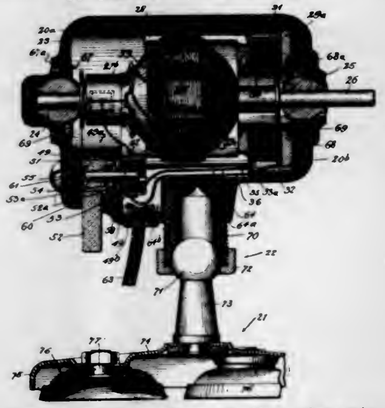
1. Refrigerating apparatus including evaporating means and liquefying means for withdrawing evaporated refrigerant from the evaporating means and for supplying liquid refrigerant to the evaporating means, pressure reducing means for controlling the flow of liquid refrigerant into the evaporating means, pressure-operated means for controlling the flow of refrigerant from the liquefying means to the pressure reducing means; said pressure-operated means including means providing a restricted passage through which the refrigerant flows from the liquefying means to the pressure reducing means, and means operated by the pressure differential of the refrigerant flowing through said passage for shutting off the flow of refrigerant to the pressure reducing means.

2,181,417
BOWED CURTAIN FIXTURE
James H. Boye, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 16, 1938, Serial No. 246,056
9 Claims. (Cl. 156—22)



1. In a curtain fixture of the type described, the combination with a bowed curtain rod carrying on each end thereof a hook and, beneath said hook, a finger, of brackets each having an eye for engagement with said hook and, beneath said eye, a vertically adjustable stop member adapted to contact with said finger in various upwardly tilted positions of said rod.

2,181,418
ELECTRIC MOTOR
Joseph H. Cohen, Bridgeport, and Joseph Youhouse, Fairfield, Conn., assignors to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application October 23, 1936, Serial No. 107,134
35 Claims. (Cl. 172—36)

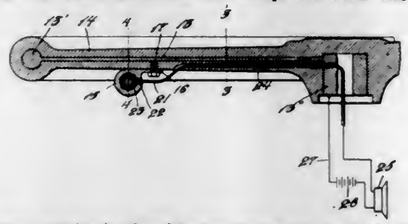


1. In an electric motor, a hollow elongate casing divided intermediate its ends to provide two separable parts, said casing being constructed of moldable dielectric material; a rigid magnetic field structure slidably mounted in the casing and contacting the inner walls of both parts thereof, and reinforcing the same against compressional strains; a field coil carried by said field structure; means for securing said field structure to one part of the casing; means for securing the other part of the casing to the field structure so that said part may be removed therefrom without loosening the structure from the first part; bearings in opposite ends of the casing; an armature having a shaft journaled in said bearings so as to rotate within the field structure; and brushes and holders therefor mounted in one of the parts of said casing and insulated from each other by said part.

2,181,419
HORN CONTROL FOR A MOTOR VEHICLE
Anthony M. Cunha, Providence, R. I., assignor of one-half to Adolph Jodoin, Marieville, R. I.
Application April 25, 1938, Serial No. 204,045
5 Claims. (Cl. 200—59)

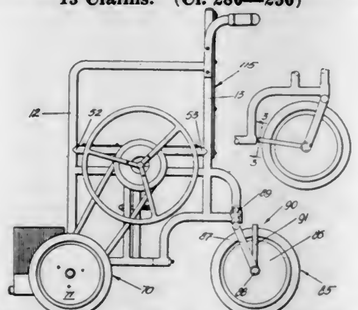
1. A circuit closing device for controlling the audible signal of a road motor vehicle having a steering column and wheel comprising a member extending for a substantial distance within reach of the hands when the hands are in contact with the gripping portion of the steering wheel, a bracket secured to one of the spokes of said wheel and having a portion embracing said member, and compressible means of an insulating nature located between the inner embracing surface of said portion and the exterior surface of said member and supporting said member from and

out of contact with said bracket whereby movement of said member to compress said means



causes contact of said member and bracket that electric current may pass.

2,181,420
FOLDING PROPULSION WHEEL CHAIR
Herbert A. Everest and Harry C. Jennings, Los Angeles, Calif.
Application October 8, 1937, Serial No. 167,986
13 Claims. (Cl. 280—250)



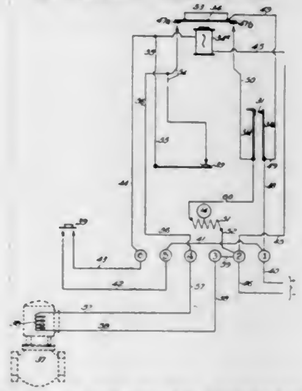
2. A wheel chair having rigid longitudinally extending side bars one on each side, a small traction wheel mounted on each side of the chair in a forward position, an operating wheel having an adjustable mounting on a longitudinal side bar, there being an operating wheel on each side of the chair and a driving connection from each operating wheel to each traction wheel.

2,181,421
VAPORIZER
George E. Fahr and Arthur C. Kerkhof, Minneapolis, Minn.
Application November 6, 1937, Serial No. 173,191
1 Claim. (Cl. 128—186)



A portable inhaling apparatus including a rigid handle shaped member comprising a container for holding compressed fluid for use as an atomizing medium, valve means connected to said fluid container, said valve means and container being formed for quick detachable pressure tight connection with each other, a liquid atomizing apparatus detachably secured to said valve means in alignment with said valve means and container, said valve means including means for breaking the wall of the container when the container is attached in pressure tight relation to said valve means, an actuator means for said valve means positioned so as to be closely adjacent the handle shaped member when the valve means and handle shaped member are attached, and a passageway in said valve means for permitting said compressed fluid to flow from said container to said aligned atomizing apparatus when the valve means is actuated to open position.

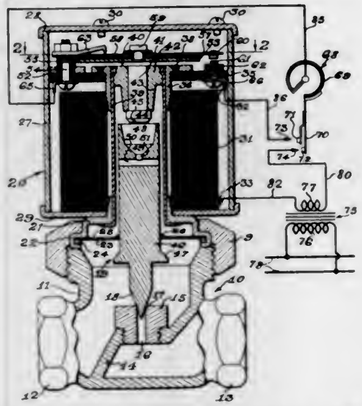
2,181,422
MEANS OF CONTROLLING FLUID SUPPLY
Frank Gawan, Denver, Colo., assignor to The Denver Fire Clay Company, Denver, Colo., a corporation of Delaware
Application March 15, 1937, Serial No. 130,886
15 Claims. (Cl. 161—1)



1. Time control mechanism, comprising a constant speed motor, a circuit for the motor, a circuit-breaker in the motor circuit mounted for movement by the motor to circuit-closing and circuit-opening positions, a relay in the motor circuit to start the motor and thereby move the circuit-breaker to a circuit-closing position, a switch controlling the current flow to the relay to initially energize the motor circuit, means operable by the motor to cause circuit-opening movement of the circuit-breaker at a predetermined moment after each start of the motor, an electric control device, a circuit for said device, inclusive of the relay, and a normally closed circuit-breaker in the control device circuit mounted for actuation by the motor to a circuit-opening position at a selective moment after each start of the motor.

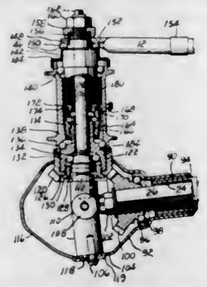
2,181,423
SOLENOID MECHANISM
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 9, 1935, Serial No. 39,701
5 Claims. (Cl. 175—338)

4. In combination, a solenoid actuating mechanism adapted to be operated by alternating current, said solenoid actuating mechanism comprising a solenoid coil, a magnetic core slidably mounted therein, said core being urged downwardly by gravity when said coil is deenergized and being moved upwardly upon energization of said coil, a stop to limit the upward movement of said core, said stop comprising a central pin of magnetic material surrounded by a ring of non-magnetic conducting material, said pin and



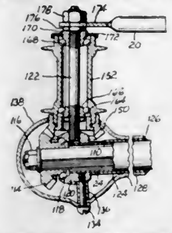
said ring extending from the upper surface to the lower surface of said stop and having their upper surfaces in a common plane, an armature member adapted to be moved into proximity with the upper end of said stop, said ring serving to subject a portion of the flux flow in both said core and said armature to a shading action to prevent vibration of either said core or said armature.

2,181,424
DRIVING MECHANISM FOR CYCLES
Edward W. Glacy and Thomas C. Delaval-Crow, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 20, 1936, Serial No. 106,617
14 Claims. (Cl. 74—400)



1. In a device of the character described, a frame having a crank hanger casing, a crank shaft, bearings fixed axially with respect to the casing for journalling the shaft in the casing, a driving gear slidable on the shaft beyond the bearings and adapted to rotate with the shaft, a driven gear meshing with the driving gear, and means on the shaft beyond the bearings and engaging the driving gear for effecting adjustment of the driving gear with respect to the shaft, its bearings and the driven gear without disturbing the bearings; substantially as described.

2,181,425
DRIVING MECHANISM FOR CYCLES
Thomas C. Delaval-Crow and Edward W. Glacy, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 20, 1936, Serial No. 106,618
6 Claims. (Cl. 74—417)

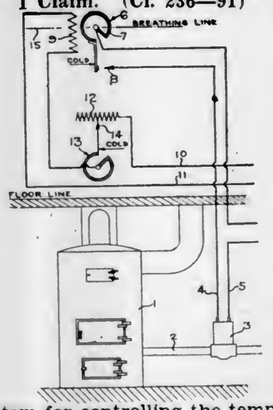


1. In a device of the character described, an axle, a hub, a driven gear for rotating the hub, a transmission shaft having a driving gear, a housing enclosing the gears, a block secured to the end of the axle, spacing sleeves between the block and the housing, and bolts passing through the sleeves for securing the housing to the block; substantially as described.

2,181,426
MATERIAL AND METHOD FOR THE TREATMENT OF RUBBER
Georg Goll and Ernst Helft, Berlin, Germany, assignors, by direct and mesne assignments, to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany
No Drawing. Application July 5, 1935, Serial No. 29,924. In Germany July 5, 1934
10 Claims. (Cl. 106—23)

1. As an article of manufacture, a rubber mixture comprising raw rubber and an emulsion of water and a higher molecular fatty alcohol containing from 12 to 18 carbon atoms in the molecule.

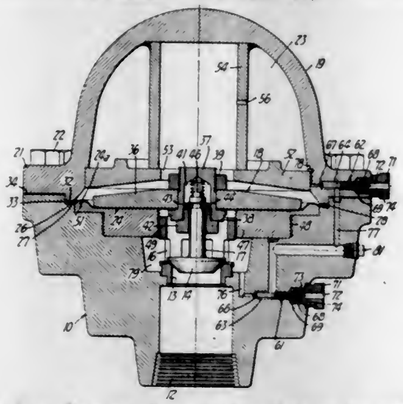
2,181,427
TEMPERATURE CONTROL SYSTEM
Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 2, 1936, Serial No. 57,085
1 Claim. (Cl. 236—91)



In a system for controlling the temperature of a room, said temperature tending to be lower at

lower levels in the room, a fluid fuel fired furnace for heating a fluid medium, means for circulating said fluid medium through said room, a thermostat responsive to the temperature of the room air at the breathing line level, means controlled by said thermostat for regulating the flow of fluid fuel to said furnace, a continuously effective auxiliary heater having a variable resistance in circuit therewith located adjacent said thermostat to vary the control point thereof, and a second thermostat responsive to the temperature of the room air adjacent the floor and operative to vary said resistance to decrease the heating effect of said auxiliary heater as the temperature of the air adjacent the floor decreases.

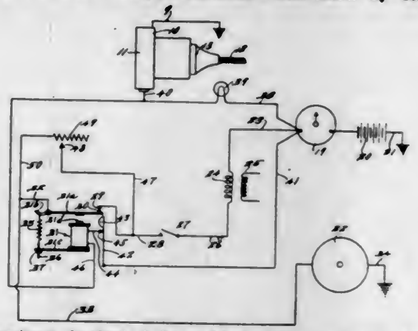
2,181,428
FLOW REGULATOR
Marvin H. Grove, Berkeley, Calif.
Application July 27, 1936, Serial No. 92,707
2 Claims. (Cl. 137—53)



1. In a flow regulator, a body having an inflow opening adapted to be connected to a source of gas under pressure and also having an outflow opening for discharge of gas, valve means within said body for controlling flow of gas through the same, a flexible diaphragm connected to effect actuation of said valve means, means forming a gas chamber on one side of said diaphragm adapted to contain a predetermined quantity of trapped gas under pressure, means forming a gas chamber upon the other side of said diaphragm adapted to be connected to a source of gas of variable pressure, and means including at least one manually operable valve for introducing additional gas under pressure into said first named chamber, said last means comprising a needle valve threaded into the body, whereby turning of said needle valve moves the same between open and closed positions, and means forming two valve seats for said needle valve member, one of said seats serving to seal the same in closed position, and the other of said seats serving to seal the same in open position.

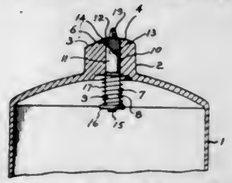
2,181,429
SPEED GOVERNOR FOR AUTOMOTIVE VEHICLES
Everett A. Hansen, St. Paul, Minn.
Application June 12, 1939, Serial No. 278,679
6 Claims. (Cl. 180—82.1)

1. A governor for an automotive vehicle having an internal combustion motor with an ignition circuit comprising a centrifugal switch adapted to move to closed position when said vehicle attains a certain speed, a circuit closed by said switch, an electromagnetic relay, the winding of which is included in said circuit, an armature for said relay, contacts controlled by said



armature included in said ignition circuit and arranged to be separated when said relay is energized to open said ignition circuit and means associated with relay and ignition circuit to permit a small amount of current to flow in the latter when said contacts are separated.

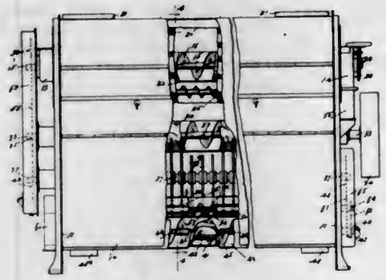
2,181,430
CLOSURE FOR COLLAPSIBLE TUBES
John Lewis Hudson, Vancouver, British Columbia, Canada
Application May 31, 1939, Serial No. 276,565
5 Claims. (Cl. 221—60)



1. A closure for collapsible tubes comprising a nipple having a bore through which the contents of the tube are adapted to be expressed, said bore being provided at its outer end and on one side only with a beveled seat, a valve consisting of a vertically grooved rectangular stem slidable in the bore and a head upon the stem, said head being adapted to close the bore of the nipple and being provided with a beveled lip projecting beyond one side of the bore adapted to close against the seat and spring means for closing the valve.

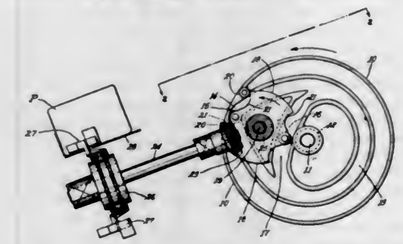
2,181,431
GRAIN SEPARATOR
Charles C. Ingraham, Minneapolis, Minn., assignor to Hart-Carter Company, Peoria, Ill., a corporation of Delaware
Application June 29, 1936, Serial No. 87,921
3 Claims. (Cl. 209—96)

1. A self-contained flour mill separator for commingled stock consisting chiefly of wheat but mixed with oats, barley and small seeds, comprising an internally pocketed rotary drum separator arranged to receive the commingled stock and to rapidly separate the stock into at least two batches according to the size of the grains of the stock under treatment, separate compartments each arranged to receive a separated batch of the stock delivered from said drum, and pocketed separator discs of relatively low capacity but of relatively high selectivity for flour mill separation mounted in said separate compartments for rotation with said drum, whereby the small wheat is accurately separated from the



small seeds and the large wheat from the oats and barley by said discs at substantially the same rate of high capacity as that of the initial low selectivity drum separator.

2,181,432
INDEX DEVICE
Thormod Jensen, Laurelton, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application June 23, 1938, Serial No. 215,493
16 Claims. (Cl. 74—84)

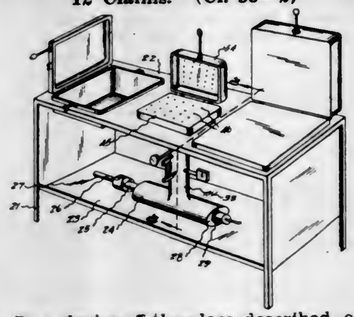


1. A driving mechanism for intermittently driving a conveyor comprising, a rotating shaft, a driving member fixed to said shaft, spaced driving surfaces formed on said member, driven connections between said driving member and conveyor including, a driven member, devices engaging said driving member mounted on said driven member, each of said devices being arranged to engage first one and then the other of said surfaces to index said conveyor, and auxiliary means carried by said driving member for transferring the drive from one of said surfaces to the other during each cycle of the machine.

2,181,433
GAS PURIFICATION
Claude W. Jordan, Paoli, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application October 20, 1937, Serial No. 169,990
7 Claims. (Cl. 252—2.5)

3. A method for treating iron oxide which has become dehydrated in a dry purification system as a result of passing dry manufactured gas therethrough, comprising contacting said oxide with water in the presence of an organic wetting agent.

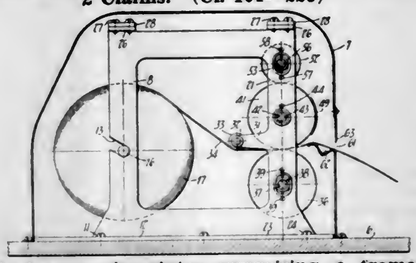
2,181,434
BUN WARMER
Albert M. Lewis and Peter B. Weiler, Detroit, Mich.
Application January 28, 1939, Serial No. 253,267
12 Claims. (Cl. 53—2)



10. In a device of the class described, comprising: an oven having a pair of steam chambers; a hinge mechanism for swingably mounting said steam chambers together; means for delivering steam to said hinge mechanism; means operable upon the swinging of said sections into one position for establishing communication of said chambers with said delivery means and upon the swinging of said sections to another relative position for closing communication between said steam delivery means and said steam chambers.

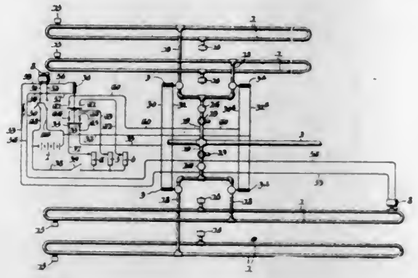
12. In a device of the class described, comprising: an oven embodying a pair of sections; means for swingably mounting said sections together, the upper section swinging over and upon the lower section and forming therewith a heating compartment; means for delivering steam into said compartment; and perforating means carried by one of said sections for perforating an article in said compartment and conducting steam into the interior thereof.

2,181,435
PAPER IMPRINTER
Tom A. Loris, Sacramento, Calif., assignor of one-half to Andreas G. Sampanes, Sacramento, Calif.
Application September 26, 1938, Serial No. 231,770
2 Claims. (Cl. 101—226)



1. A paper imprinter comprising, a frame, a support rotatably journaled on said frame to receive a paper roll, a pair of imprinting rollers journaled on said frame, a printing die incorporated on one of said rollers, the paper being adapted to be unrolled and drawn in a path between said rollers while being imprinted by said die, and intermeshing corrugated portions of resilient rubber on adjacent ends of said rollers within said path, said corrugated portions being comparable to small gear teeth whereby the rollers turn in unison.

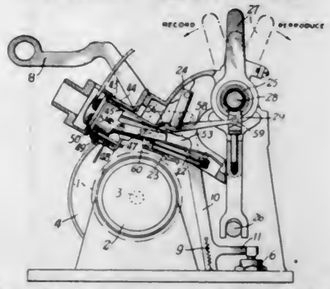
2,181,436
THERMOSTATICALLY CONTROLLED HEATING SYSTEM FOR RAILWAY CARS
William J. Madden, Lansdowne, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 19, 1937, Serial No. 149,133
7 Claims. (Cl. 237—6)



3. In an air conditioned passenger car having a circulation of thermostatically controlled mixed atmospheric air and air withdrawn from the lower part of the car forced by an air conditioning blower motor out of ducts located in the upper portion of the car, auxiliary heating means in the form of low pressure steam coils at floor level, two loops at each side of the car, and a pair of loops comprising one loop at each side of the car having electrical valves arranged in a parallel electric circuit and controlled by a thermostat responsive to the temperature in the car at a predetermined point, the remaining pair of loops having electrical control valves arranged in a parallel electrical circuit controlled by a thermostat responsive to the temperature in the car at a predetermined point below said first mentioned temperature point, a relay energized from the air conditioning blower motor for electrically interlocking the thermostats aforesaid, and a third thermostat responsive to and adapted to hold the temperature of the air entering the car at a third and still lower predetermined point when the air conditioning system is idle, said first and second mentioned thermostats being cut out of operation during the time the air conditioning system is idle.

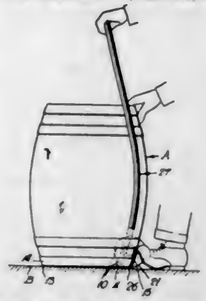
7. In an air conditioned passenger car, an electrically operable air conditioning unit including means for cooling and warming the air as desired, an auxiliary steam heating system comprising four heating loops positioned with two loops on each side of the car near the floor thereof, a connection from each loop to the steam line of the train, an electrically controlled drain valve positioned at a low point between the said steam line and one of the heating loops, valves controlling each of the heating loops, the valves of the loops on opposite sides of the car being connected electrically in parallel, separate thermostats for controlling each pair of valves in electrical parallel, each said thermostat controlling the valves associated therewith at a different predetermined temperature point in stepped relation to the other thermostat, and a seasonal switch for control of the drain valve aforesaid and the operation of the auxiliary heating system, so that said drain valve is open to drain but closed to steam supply when the conditioning unit cooling system is operating, and closed to drain but open to steam supply when the unit heating system is operating.

2,181,437
DICTATING MACHINE
Leland D. Norton, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Original application October 5, 1936, Serial No. 103,960, now Patent No. 2,143,819, dated January 10, 1939. Divided and this application March 9, 1938, Serial No. 194,807
3 Claims. (Cl. 179—100.41)



1. For use in a commercial phonograph, an electro-mechanical translating device adapted to operate alternatively as a recorder and reproducer element, comprising, in combination, a support including a casing, at least one piezo-electric crystal disposed in said casing, said crystal having the form of a polygonal plate supported at certain of its angles within the walls of said casing, resilient means interposed between said angles and the casing, a lever mounted on said support for oscillation relative thereto, a substantially rigid connection between said lever and another angle of said crystal, a recording stylus mounted on said lever at a point more remote from the point at which said lever is attached to said support than the point on said lever which is connected to said crystal, and a reproducing stylus mounted on said lever at a point more remote from the point at which said lever is attached to said support than said recording stylus, whereby the load arm of said lever when conditioned for recording is greater than the load arm of said lever when conditioned for reproducing.

2,181,438
HAND TRUCK
Gerald D. Peet, Montclair, N. J., assignor to Novadel-Agene Corporation, Belleville, N. J., a corporation of Delaware
Application January 27, 1938, Serial No. 187,119
14 Claims. (Cl. 280—56)

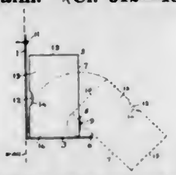


1. A truck adapted to handle a bulging barrel including a pair of supporting wheels, a forward lip near said wheels adapted to support the lower end of the barrel, and a pair of side members extending upwardly from said lip for receiving the barrel therebetween, and curved to conform with the bulging contour of said barrel.

2,181,439
COMPOSITION WOOD
Charles Roman, Miami, Fla.
No Drawing. Application September 22, 1937, Serial No. 165,185
4 Claims. (Cl. 106—39)

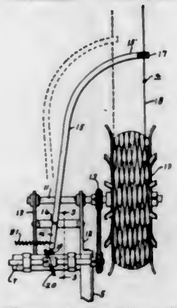
3. A composition wood comprising comminuted wood fibers mixed with a binder consisting of a solution of approximately five gallons of water to which has been added eight ounces of animal glue, four pounds of starch and three ounces of a compound made of approximately nineteen parts of sodium chloride, seventy five parts of sodium bisulphate and one ounce of paraformaldehyde.

2,181,440
REFERENCE DEVICE
Hazel Terry, Valparaiso, Ind.
Application August 8, 1938, Serial No. 223,661
1 Claim. (Cl. 312—155)



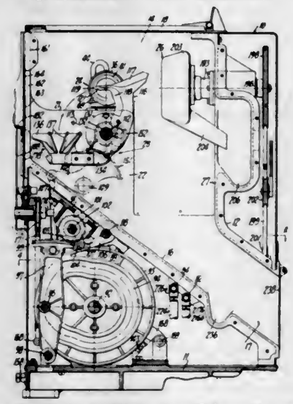
A reference utility cabinet comprising a bottom and a back wall joined by end members to provide a compartment open at its top and front, a rod secured to the end members and spaced upwardly and inwardly from the front edge of said bottom, a plurality of rectangular containers, each having side, top, front and bottom walls and an open rear side, said containers being provided with means pivotally securing them above their bottom walls upon said rod, whereby they may rest by gravity upon the bottom with their open sides adjacent the back wall or be swung to a position in which they rest against the front edge of said bottom.

2,181,441
CHECK-ROW PLANTER
Harry R. Traphagen, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application June 8, 1936, Serial No. 84,055
2 Claims. (Cl. 242—92)



2. In a winding mechanism for the check wire of a planter having driving means, a reel, means connected with the driving means for rotating the reel for winding the wire thereon, guiding means arranged for guiding the wire from side to side to fill the reel, and actuating means for the guiding means arranged to cause complete cycles of the guiding means substantially, but not exactly, in synchronism with the turns of the reel for winding wire embodying buttons about the reel in spaced diagonal turns at substantial angles to the axis of the reel to prevent the buttons from becoming entangled with adjacent turns of the wire whereby to facilitate the unwinding of the wire from the reel.

2,181,442
FRUIT HANDLING MACHINE
Harold F. Watkins, Oakland, Calif., assignor to Watkins Fruit Machinery Company, San Francisco, Calif., a corporation of California
Application January 11, 1937, Serial No. 119,971
9 Claims. (Cl. 146—3)

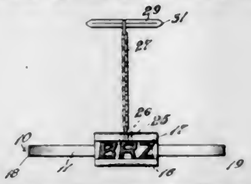


1. In a fruit handling machine, a pair of fruit handling devices adapted to grip the two halves of an article of fruit, and means for presenting articles of fruit to said devices and for handling the same, said last means including a cup movable from a position in which it receives articles of fruit to a position in which it presents the fruit to said devices, a blade disposed in the path of movement of the fruit whereby when the cup moves an article of fruit to said position of presentation the fruit is impaled upon the blade, said blade being also movable in a direction towards the cup, and means for actuating the cup, the knife, and said fruit handling devices, to afford an automatic cycle of operation in which the cup, after receiving an article of fruit, moves to transpose the article of fruit to said position of presentation and to impale the same upon said knife, following which the cup moves back towards its initial position, the two fruit handling devices are caused to grip the two sides of the article of fruit on opposite sides of the knife, and while the two halves of the fruit are so gripped, the blade is moved through the fruit to completely sever the two halves.

2,181,443
CRAVAT HOLDER
Bernard R. Zeman, Providence, R. I., assignor to Swank Products, Inc., a corporation of Delaware
Application April 14, 1938, Serial No. 201,912
1 Claim. (Cl. 24—49)

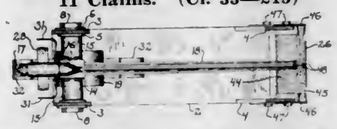
A cravat holder comprising a frame having a

front bar of a length substantially the width of the portion of a cravat to be received, said bar extending rearwardly at the extremities of the width of the part to be received and then toward each other generally parallel to the front bar to provide a rear guide spaced from the front bar



and provided with an upwardly extending portion adjacent its midpoint, said guide being of an extent to provide with the front bar an embrace for the cravat, and a flexible member pivotally connected to the upwardly extending portion at a location above the front bar and main portion of said guide.

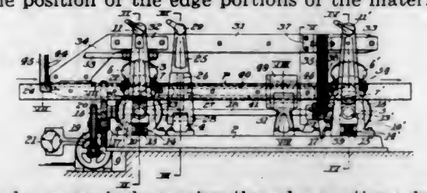
2,181,444
FLIGHT INDICATOR
David F. Zook, Evanston, Ill.
Application September 16, 1938, Serial No. 230,284
11 Claims. (Cl. 33—215)



1. In a flight indicator for air-craft, an instrument having suitable frame structure with attachments for fastening said indicator to the instrument-board of an air-craft, transverse trunnion bearings mounted in said frame structure, a pivoted indicating mechanism mounted upon said trunnion bearings and adapted to swing in a restricted arc in a longitudinal, vertical plane, said pivoted mechanism incorporating a pointer-tube normally maintained in a horizontal position by a counter-weight, said pivoted mechanism including a support and longitudinal bearing for a pendulum, said pivoted mechanism including a pendulum adapted to swing transversely in a restricted arc upon its longitudinal bearing, said pivoted mechanism incorporating a pointer-rod within said pointer-tube, a pointer on said rod at the free end of said pointer-tube to indicate the rotative position of said rod, a crank-arm on said rod at the supported end of said pointer-tube, said crank-arm, pointer-rod and pointer being actuated rotatably by said pendulum, a curved glass window-front for said indicator device, an upper portion of said window-front being of blue glass to represent sky, a lower portion of said window-front being of brown glass to represent ground, said window-front comprising two halves separated vertically by a slot, said slot permitting the vertical oscillation of said pointer, said pendulum actuating the transverse inclination of said pointer, and an interior light for illuminating the transparent, dual-colored window-front of said flight indicator.

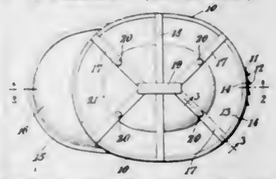
2,181,445
METHOD AND APPARATUS FOR WELDING
James L. Adams, Jr., Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company, a corporation of Ohio
Application August 7, 1928, Serial No. 297,962
58 Claims. (Cl. 219—6)

1. In the method of electric welding, the steps comprising inducing a heating current flow in the material to be welded transversely of and across the edges of the material, effecting bodily forward movement of the material during the pre-welding heating up operation, controlling the position of the edge portions of the material



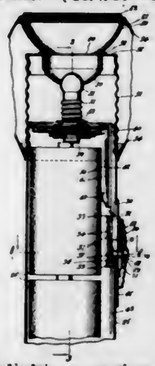
and progressively moving the edge portions during said pre-welding heating up operation in a direction substantially parallel to said current flow to vary the amount of spacing therebetween, and applying sufficient pressure to the material to weld the same.

2,181,446
HEADGEAR
George C. Ames, New York, N. Y.
Application October 21, 1938, Serial No. 236,319
2 Claims. (Cl. 2—195)



1. In a skeleton headgear, a plurality of frame members, a central joint connecting their upper ends, an adjustable head band connecting the lower ends of the members, a removable sweat band secured to the head band and capable of adjustment with the adjustment of the head band, fastening means provided with said members, and a removable shield secured by said fastening means to said members.

2,181,447
LOCK SWITCH FOR FLASHLIGHTS
Joseph F. Ayotte and Irving T. Holihan, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 24, 1939, Serial No. 258,332
6 Claims. (Cl. 240—10.66)



4. In a flashlight, a casing having a spring locking tongue, a combined lamp and switch slide

mounted in the casing and movable over the tongue, means for operating the slide to retract the same into circuit open position, said slide having a locking portion for registry with the locking tongue when the slide is retracted to hold the slide against adjustment, and means for releasing the locking tongue, said slide having a second locking means thereon for cooperation with the tongue to lock the slide in an advanced position and said locking tongue having means cooperating with the slide to hold the locking means against interlocking engagement with the slide in said advanced position of adjustment.

2,181,448
BRUSH COMB WITH CURLER
Siegfried Behr, Flushing, N. Y., assignor to Ben Hur Products, Inc., New York, N. Y., a corporation of New York
Application May 15, 1939, Serial No. 273,699
5 Claims. (Cl. 132—19)

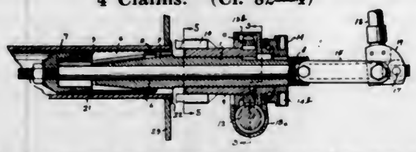


1. A comb having adjacent one end pivotally attached thereto a bar extending longitudinally of said comb and bristles on said bar forming a brush parallel to the teeth of said comb and on the opposite side of said comb being pivotally held on a common pivot a curler bar extending parallel to said brush, said brush and curler bar being mounted to be independently movable from each other and each adapted to be rotated into a position to extend longitudinally from the pivot end of said comb.

2,181,449
DISPERSING AGENT AND METHOD OF MAKING THE SAME
Arthur E. Catanach and Eric Kolthoff, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 27, 1938, Serial No. 232,008
2 Claims. (Cl. 260—504)

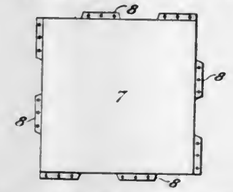
1. A dispersing agent comprising the reaction product of black sulfuric acid and a spent alkaline petroleum-refining neutralizing agent which neutralizing agent is selected from the class consisting of caustic soda and sodium carbonate; said reaction product characterized by being sparingly soluble in mineral oils and highly soluble in water, having a brownish greasy appearance and having marked dispersing and emulsifying properties.

2,181,450
TUBE CUTTING TOOL
Willard M. Davenport, Odessa, Tex.
Application December 17, 1937, Serial No. 180,305
4 Claims. (Cl. 82—4)



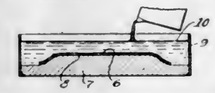
1. A cutting tool comprising a mandrel one end of which is shaped to enter a tube, tube engaging means on said end of the mandrel, an adjustable axial rod extended through the mandrel and connected to said tube engaging means, a lever and trunnion block on the other end of the mandrel for actuating said tube engaging means into tube engaging position or into retracted position, a cutter head rotatable on the mandrel, cutters on the head, means for rotating the cutter head and cutters and means for manually feeding the cutters to the work.

2,181,451
STRUCTURAL FACING UNIT
Alden B. Dow, Midland, Mich.
Application April 19, 1938, Serial No. 202,955
3 Claims. (Cl. 72—19)



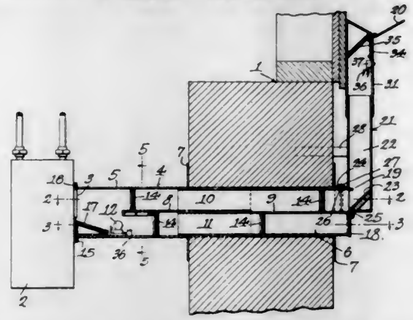
1. A structural facing unit having an exposed face with a configuration selected from the group consisting of squares, equilateral triangles, and regular combinations of said figures, provided on its edges with ears of equal length spaced apart on the perimeter of said unit a distance substantially equal to the length of each of said ears, the number of said ears being equal to the number of spaces on said perimeter, said ears having a thickness less than the thickness of said unit, and being situated at the back of said edges with respect to the exposed face of said unit, and an end of one of said ears on one of said edges being substantially aligned with the adjacent edge of said unit.

2,181,452
METHOD OF TRANSFERRING PHOTOGRAPHIC DESIGNS ON CERAMIC WARE
Walter D. Ford, Columbus, Ohio
Application October 16, 1936, Serial No. 105,985
4 Claims. (Cl. 18—61)



1. The method of transferring a relief or intaglio design contained on a substantially flat surface to a curved or irregular surface, comprising distributing a moldable thermo-plastic material in a heated fluid state on a substantially flat design-containing surface of a primary mold, allowing the moldable thermo-plastic material to cool and solidify to form a flexible matrix bearing in one surface thereof the design of the primary mold, removing the matrix from the primary mold following cooling and solidification thereof and placing the same on a shaping form which possesses the cross-sectional configuration of a final design-receiving surface, the design-containing surface of the matrix being arranged in direct contact with the shaping form, producing an intermediate mold from said shaping form with the matrix inlaid in one surface of said intermediate mold and with the design-containing surface of the matrix exposed to the outside of the intermediate mold, and in molding a final pattern mold from the matrix-containing surface of the intermediate mold.

2,181,453
GAS METER READING SCOPE
George Bernhardt Gelakoski, Aurora, Ill.
Application October 20, 1938, Serial No. 236,109
1 Claim. (Cl. 88—71)



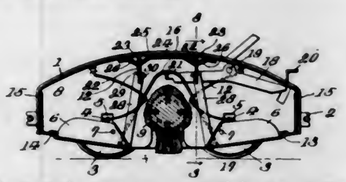
A device for reading an indoor meter, in standing posture, from an outdoor position, comprising a horizontal tubular body provided with transverse inner and outer face plates, the body comprising first and second sections which are telescopically assembled, to permit the face plates to cooperate with opposed surfaces of a wall, the body including an upper sight tube and a lower illuminating tube, transparent dust barriers carried by the sections and forming dead air spaces in the tubes, said spaces extending inwardly beyond the inner face plate, to permit a heating of the air in said spaces and to prevent frosting, a vertically telescopic extension at the outer end of the sight tube, an inclined reflector at the place of juncture between the extension and the sight tube, a controlled lamp in the body, at the inner end of the illuminating tube and out of the sight-line of the sight tube, and a movable closure for the outer end of the illuminating tube, whereby that tube may be illuminated by a hand lamp, optionally with respect to the controlled lamp.

2,181,454
PROCESS OF VULCANIZING RUBBER
Henri Martin Guinot, Niort, Deux-Sevres, France, assignor to Les Usines de Melle, Melle, France, a corporation of France
No Drawing. Application September 29, 1936, Serial No. 103,203. In France October 7, 1935
7 Claims. (Cl. 260—796)

1. A process which comprises incorporating with a vulcanizable rubber composition an accelerator consisting of the reaction product having a boiling point between approximately 120° C. and 180° C. at a pressure of 20 millimeters obtained by interacting an aliphatic amine with an aliphatic aldehyde in the proportion of one molecule of amine to two molecules of aldehyde at a temperature between +5° C. and −20° C., separating said reaction product by fractionation from the mixture of reaction products obtained and then vulcanizing.

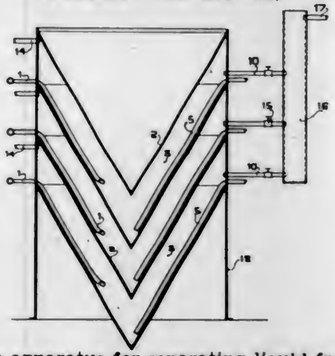
2,181,455
CARPET SWEEPER
Henry W. Gussack, Richmond Hill, N. Y.
Application January 22, 1937, Serial No. 121,893
12 Claims. (Cl. 15—48)

1. A carpet sweeper comprising a casing member, a brush located therein, brush cleaning mechanism within said casing member, a dust collector within said casing, means for emptying dust from said collector at desired intervals and means on said casing for cleaning said brush cleaning mechanism operative at the same time as said emptying means.



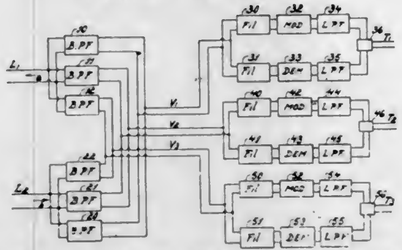
6. A carpet sweeper comprising a unitary casing, a rotary brush located within said casing, pivotally mounted dust pans cooperating with said brush in order to collect the dirt and dust, and means for tilting said dust pans in order to empty the same, a plurality of staggered comb members extending downwardly into said brush member so as to clean the same, a unitary plate associated with said casing upon which said comb members are fixed, a cleaner for said comb members and means for reciprocating said plate and thereby said comb members relative to said cleaner in order to clean said comb members in unison with said means for emptying the said dust pans.

2,181,456
APPARATUS FOR SEPARATING A LIQUID FROM SOLID MATTERS SUSPENDED THEREIN
Isak Edvin Johansson, Alvsjo, Stockholm, Sweden
Application February 13, 1937, Serial No. 125,638
In Sweden February 17, 1936
4 Claims. (Cl. 210—58)



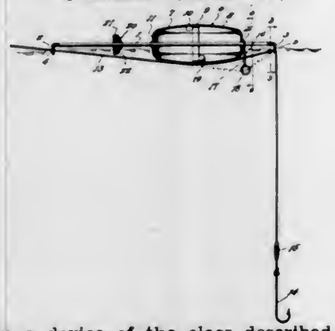
1. An apparatus for separating liquid from liquid mixtures containing solid matters, comprising a plurality of cone-shaped elements disposed the one within the other in spaced relationship so as to form chambers therebetween having upper and lower walls formed by two adjacent elements, a supply pipe for the liquid mixture to be treated opening into each of said chambers at a point above the lowest portion of the upper wall thereof, the mouth of said pipe being so disposed in relation to the upper wall of the chamber as to cause the liquid mixture leaving the pipe to perform a helical motion upwardly along said upper wall, thereby causing separation of solid matters by centrifugal action, a discharge pipe for solid matters separated off connected with the lower portion of each of said chambers and an outlet for clarified liquid at the top of each chamber.

2,181,457
CARRIER WAVE TELEPHONE SYSTEM
Johannes Josephus Alphonsus Peek and Thomas Samuel Skillman, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application August 7, 1937, Serial No. 158,002
In Germany August 14, 1936
1 Claim. (Cl. 179—15)



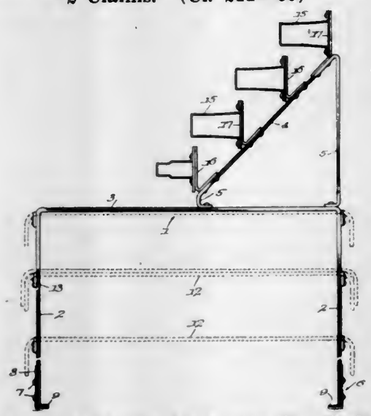
In a multi-channel carrier-wave transmission system, a pair of conductors for transmitting modulated carrier-waves in one direction, a second pair of conductors for transmitting modulated carrier-waves in the opposite direction, a common connecting line for each channel, two band-pass filters for each channel, one of said filters having its input connected to said first pair of conductors and its output connected to the corresponding connecting line and the second of said filters having its output connected to said second pair of conductors and its input connected to the corresponding connecting line, the two filters of each channel having transmission ranges which differ from each other and from the transmission ranges of the filters of the other channels, a modulator for each channel comprising a filter, and a demodulator for each channel comprising a filter, the output circuit of the modulator filter and the input of the demodulator filter for each channel being connected to the other end of the connecting line corresponding to the channel.

2,181,458
COMBINATION FLOAT AND FISH LURE
George G. La Gue, Fowler, Ind.
Application April 28, 1938, Serial No. 204,850
3 Claims. (Cl. 43—49)



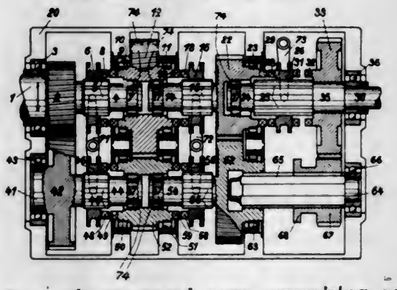
1. In a device of the class described, a stem having flattened end portions bent downwardly at right angles, said portions having apertures therein, a float on the stem, said stem being adapted to have a fishing line associated therewith, said fishing line being trained through the apertures, an adjusting nut carried on the stem and positioning the float and stem at a desired angle when in the water, means carried by the float and movable therein for producing vibrating, rolling musical sound waves to be transmitted through the fishing line to a hook at the end thereof, and means carried by the stem and removably engageable with the fishing line for preventing the fishing line from paying out along the device.

2,181,459
DISPLAY DEVICE FOR ELONGATE ARTICLES
Stanley E. Maves, Freeport, Ill., assignor to Western Newell Manufacturing Co., Freeport, Ill., a corporation of Illinois
Application April 1, 1938, Serial No. 199,511
2 Claims. (Cl. 211—60)



1. A display device for a plurality of elongate articles each including a supporting bracket at one end thereof, comprising an inclined member and a pair of legs supporting the same, angled brackets secured to said inclined member, upstanding plates fixed to said angled brackets and having apertures therein, the apertures being adapted to receive the normal securing means of the supporting brackets whereby the elongate articles may be temporarily held with their free ends extending away from said plates.

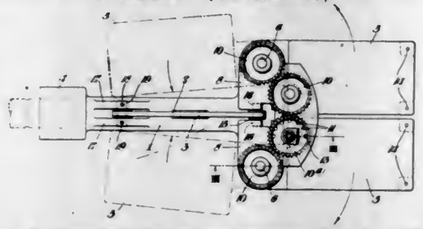
2,181,460
CHANGE-SPEED GEAR
Gustav Meyer, Friedrichshafen on the Bodensee, Germany, assignor to Maybach Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen on the Bodensee, Germany, a corporation of Germany
Application August 25, 1936, Serial No. 97,838
In Germany June 6, 1936
12 Claims. (Cl. 74—359)



1. In a change-speed gear comprising gearwheels mounted on the parts of a sectional

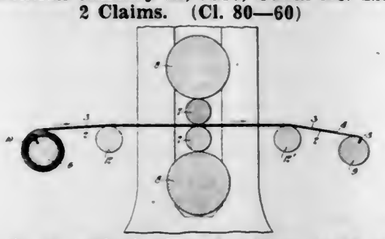
main-shaft and meshing with gear-wheels mounted on the parts of a complementary sectional layshaft, a gear-wheel in rigid connection with its supporting shaft part and journalled on one side in a bearing mounted in the casing and on the other side only in a bearing carried by the part of the sectional shaft adjacent to the part on which it is mounted.

2,181,461
ROLL HANDLING DEVICE
Carl E. Moore, Gary, Ind.
Application January 15, 1938, Serial No. 185,215
2 Claims. (Cl. 294—67)



1. A counterpoise arrangement for a rolling mill roll handling device of the type including a beam adapted to be suspended by a crane or the like and having a roll neck socket at one end, said arrangement comprising two counterpoises pivoted at the end of said beam opposite said socket to swing horizontally and a gear train interconnecting said counterpoises to cause them to swing in opposite directions in synchronism.

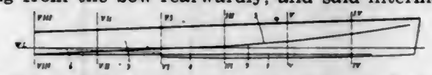
2,181,462
METHOD OF MULTIPLE COLD REDUCING STRIP METALS
Howard S. Orr, Gary, Ind.
Application January 21, 1937, Serial No. 121,647
2 Claims. (Cl. 80—60)



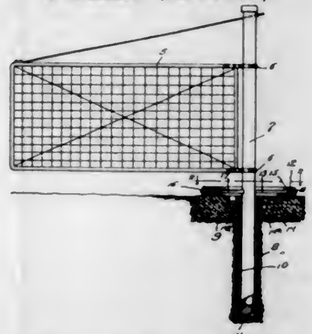
1. In a method of cold rolling, as a single thickness, multiple thicknesses of strip-like metals the steps which include superimposing two or more strips of substantially the same width and thickness upon each other, reducing under tension the superimposed strips between a pair of reducing rolls, the resultant width to thickness ratio being in excess of 3000:1 and having a resultant thickness gauge variation for each and every ply less than the same ply if rolled singly, the width of said strip increased in proportion to the number of superimposed thicknesses, each of which has a resultant thickness variation comparable to a like strip rolled singly and of lesser width.

2,181,463
HULL OF MECHANICALLY PROPELLED VESSELS
Francis Gordon Pratt, London, England
Application November 26, 1937, Serial No. 176,500
In Great Britain April 16, 1936
3 Claims. (Cl. 114—56)

1. A ship's hull, relatively narrow with respect to its length, provided with a keel and a sharp water-cutting entrance, said hull comprising on each side of the keel, upper, intermediate and bottom portions angularly disposed in cross-sectional view with regard to one another and meeting along longitudinal chine lines the chine lines between said upper and intermediate portions sweeping from the stern gradually upwardly towards the bow with respect to the normal load-waterline, said bottom portions widening from the bow rearwardly, and said intermediate portions being concave and inclined at a slight angle to the vertical at the bow and merging rearwardly with a screw twist into flat, substantially horizontal surfaces so gradually that the imaginary planes extending between the two chine lines bounding each of said intermediate portions, respectively, intersect the plane through the normal loadwaterline for at least the foremost third of the total length of the hull at an angle to the vertical not exceeding 45°, whereby the ship remains upon a substantially even keel at all speeds.



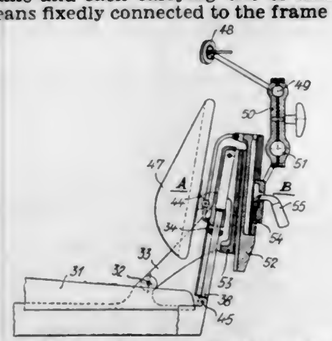
2,181,464
SWINGING GATE OR THE LIKE
Ernest Renner, Sioux Falls, S. Dak.
Application March 31, 1938, Serial No. 199,226
3 Claims. (Cl. 39—84)



1. In combination with a gate member, a vertical elongated socket embedded in the ground, a vertical post having its lower end journaled in said socket and having said gate member rigid with the upper portion thereof, a horizontal arm rigid with and projecting from said post, spring means acting on said arm to yieldingly maintain said gate member in a normal position and to automatically return it to said position when swung laterally in either direction, said spring means including a slotted hollow ring fixedly mounted adjacent the top of said socket concentric with said post and having said arm projecting therein, and compression springs arranged in said hollow ring and bearing against opposite sides of the outer end of said arm.

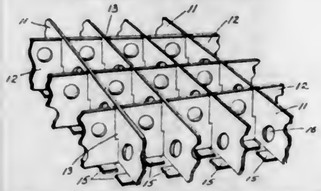
2,181,465
CHAIR FOR DOCTORS, DENTISTS, HAIRDRESSERS, AND THE LIKE
Berthold Schneider, Berlin, Germany
Application December 10, 1935, Serial No. 53,797
In Germany July 24, 1935
3 Claims. (Cl. 155—158)

1. In an adjustable chair of the character described, a supporting frame, a back cushion and a head cushion mounted on said supporting frame, slide members vertically adjustably mounted on said frame and each carrying one of said cushions, means fixedly connected to the frame and to



the head cushion slide and movably connected to the back cushion slide whereby said cushions are moved relative to the frame and to each other and unitary means arranged on one of the slides for simultaneously moving said slides.

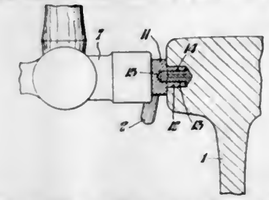
2,181,466
BUILDING MATERIAL
George E. Shackett, Milwaukee, Wis., assignor to Woodcrete Corporation of Wisconsin
Application April 24, 1937, Serial No. 138,833
1 Claim. (Cl. 72—71)



A building material of the character described comprising reinforcing members of flat metal vertically disposed and arranged in angular interfitting relation to one another so as to form rectangular enclosures, said vertical members having spaced right angle members alternately disposed at the lower edge to provide integral support members for retaining a plastic composition between said vertical members, said vertical members further having apertures adjacent the upper and lower edges to allow the plastic material to flow evenly into all rectangular enclosures.

2,181,467
RAIL BOND TERMINAL
Carl E. Stolnacke and Ernest J. Sabol, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application December 14, 1937, Serial No. 179,750
3 Claims. (Cl. 173—280)

3. A rail bond terminal including the combination of a head, a longitudinally bifurcated stud extending from said head for insertion in a bottomed rail recess and a wedge for longitudinal insertion between the parts of said stud with its small end pointing toward said head and having a taper permitting its large end to project beyond the end of said stud without material expansion of the latter, said large end being adapted to contact the bottom of said rail recess when said stud is partially inserted therein and expand said stud upon the latter being forced further inwardly, said combination further including means for effecting the transfer of at least a portion of the force applied to force said stud further inwardly, directly to the small end of said wedge and lon-

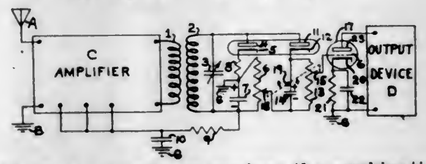


gitudinally of the latter prior to said stud being forced to its final position, said wedge being made of material sufficiently malleable to flow when stressed longitudinally by said transfer of said force to an extent greater than that required to cause it to function primarily as a wedge.

2,181,468
MANUFACTURE OF STEEL
John Charles Witherspoon, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application April 15, 1938, Serial No. 202,355
2 Claims. (Cl. 75—54)

2. A method of producing low-metalloid steel in a basic open-hearth furnace, characterized by regulating the slag on the bath in the furnace so that when the carbon content of the bath is reduced to around .10 per cent. the iron oxide content of the slag substantially exceeds the silica content of the slag, and at that time adding sufficient silicious material to the slag to drop the carbon content of the bath to a carbon content within the range of low-metalloid steel in not more than twenty-five minutes when operating at furnace temperatures of 3000 degrees Fahrenheit or less.

2,181,469
COMPENSATED DIODE DETECTOR
Alfred W. Barber, Flushing, N. Y.
Application April 9, 1937, Serial No. 135,928
20 Claims. (Cl. 250—20)

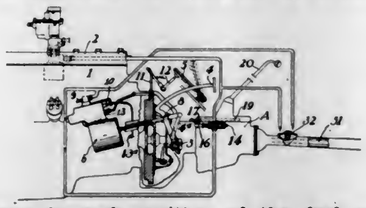


19. In a carrier wave receiver, the combination of, a diode rectifier, a source of carrier signals to be rectified, a resistor and a condenser all connected in a series circuit, wherein at least a portion of said series circuit is completed by said resistor substantially free of shunting capacity.

2,181,470
AUTOMATIC CLUTCH CONTROLLING MEANS
Anthony C. Velo, Lancaster, Pa., assignor, by direct and mesne assignments, to Vaco Products, Inc., a corporation of Delaware
Application September 29, 1934, Serial No. 746,243
32 Claims. (Cl. 192—.01)

1. The combination of an internal combustion

motor providing a source for establishing differential pressure, a differential pressure operated clutch, a gear shift, a driven element at the driven side of the gear shift, a fuel control element, means effective to render the clutch operable by differential pressure when the fuel control element is in a predetermined position, means controlled by the gear shift to render the clutch ineffective for operation by differential



pressure in such position of the fuel control element when the gear shift is in high gear, and speed controlled means effective in the operation of the driven element to render the clutch effective for operation by differential pressure in such position of the fuel control element when the gear shift is in high gear and the driven element is moving at a speed determined for shift of the gear shift from high to second gear.

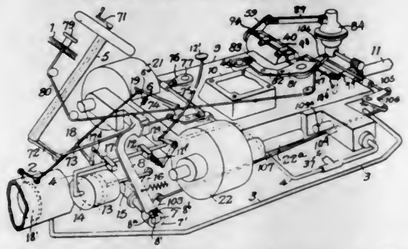
2,181,471

AUTOMATIC GEAR SHIFT FOR VEHICLES

Anthony C. Velo, Lancaster, Pa., assignor, by direct and mesne assignments, to Vaco Products, Inc., a corporation of Delaware

Application September 29, 1934, Serial No. 746,244

44 Claims. (Cl. 192—.01)



1. In a vehicle driving mechanism, a fluent power supply system, a variable gear shift, a clutch, a fluent power operated operating means for the clutch, a manually operable device governing the power operation of the clutch operating means for effecting clutch engaging and releasing actions, and a power let on and cut off device directly controlling the power operation of the clutch operating means, said device being arranged in the path of movement of a moving part of the gear shift so as to be operated thereby for cutting off the power operation of the clutch operating means and rendering the clutch inoperable for a releasing action by said device when the gear shift is in high gear.

2,181,472

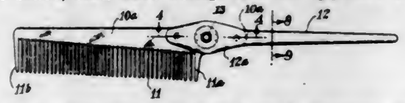
CURLER COMB

Siegfried Behr, Flushing, N. Y., assignor to Ben Hur Products, Inc., New York, N. Y., a corporation of New York

Application April 27, 1939, Serial No. 270,394

4 Claims. (Cl. 132—19)

1. A comb having at one end a pair of elongated bars pivotally connected thereto on opposite sides, said bars being held on opposite sides



of said comb and connected by a common pivot to move simultaneously through equal angles.

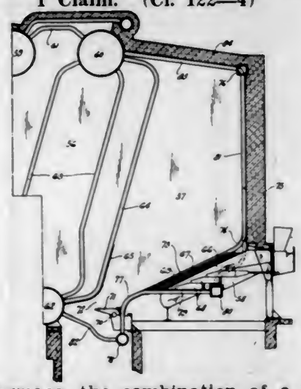
2,181,473

WATER-COOLED STOKER

Joseph S. Bennett, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 4, 1937, Serial No. 172,711

1 Claim. (Cl. 122—4)



In a furnace, the combination of a boiler, a stoker for firing said boiler, said stoker comprising alternately disposed retorts and tuyère rows, fuel supporting means provided at the bottom of each of said retorts and extending between adjacent tuyère rows, front, side and top walls for said furnace, a pair of fluid conducting tubes mounted in cooling relation with each of said tuyère rows, extensions for said tubes extending vertically along said front wall, a header mounted interiorly of said furnace connected to the upper ends of said extensions, a series of tubes extending along said top wall connecting said header to said boiler, one or more fluid conducting tubes mounted in cooling relation with each of said fuel supporting means, a second header connected to the lower ends of all of said tubes, means connecting said second header to said boiler, a third header connected to the upper ends of the tubes mounted in cooling relation with each of said fuel supporting means, risers connecting said third and first headers, said risers extending vertically along said front wall between pairs of said first mentioned tubes, and a plurality of connecting means mounted within said first mentioned header and establishing communication between said risers and certain of the said tubes extending along said top wall.

2,181,474

MANDREL AND POLISHER FOR POLISHING AND GRINDING DEVICES

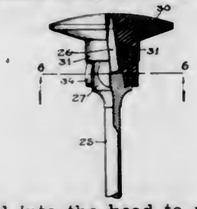
Herbert R. Berger, Brooklyn, N. Y., assignor to J. F. Jelenko & Co., Inc., New York, N. Y.

Application February 16, 1938, Serial No. 190,856

6 Claims. (Cl. 51—185)

1. In a device of the character described, a mandrel having a skirt-like member slotted to form a plurality of prongs, a pin arranged within

the skirt-like member and forming a continuation of the mandrel, said pin being spaced concentrically from the prongs and extending a substantial distance therebeyond, a head having a resilient tang adapted to be received within the skirt-like member, there being a bore extending through



the tang and into the head to receive the pin, said tang having a plurality of tabs adapted to extend into the slots between the prongs of the skirt-like member, and said tang having slots between the tabs to receive the prongs of the skirt-like member.

2,181,475

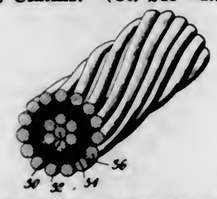
CABLE

Pierre Marcel Bourdon, Paris, France, assignor to Michelin et Cie, Clermont-Ferrand, France, a corporation of France

Application October 16, 1937, Serial No. 169,376

In France October 26, 1936

2 Claims. (Cl. 245—1.5)



1. In a bead cable for a tire casing the combination of a metallic core filament, a plurality of metallic filaments wound helically around the core member in one direction to form a first layer, a plurality of metallic filaments wound helically around the first layer in another direction to form a second layer, and unvulcanized rubber interposed between the first and second layers, said rubber yieldingly supporting said filaments for independent relative rotational movement and axial shifting movement while the bead cable is being incorporated into said tire casing and for equalizing the initial stresses in the filaments lengthwise and distributing the stresses among the various filaments during incorporation of the bead cable into the casing, and thereafter bonding the filaments to the casing upon vulcanization.

2,181,476

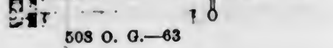
ALIPHATIC HYDROXY-ETHER KETONES

Albert Frank Bowles, Jersey City, and Saul Kaplan, Teaneck, N. J., assignors to The Richards Chemical Works, Incorporated, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application June 12, 1936, Serial No. 84,896

7 Claims. (Cl. 260—458)

2. A leather and textile processing assistant comprising the sulfuric acid derivative of a hydroxy-ether ketone selected from the group having the formula:



wherein R_1 is an alkyl radical having from 3 to 20 carbon atoms, R_2 is an alkylene radical and n is 2 to 10.

2,181,477

AERIAL DEVICE

Carl B. Chupp, Abington, Pa.

Application August 1, 1936, Serial No. 93,833

31 Claims. (Cl. 244—154)



1. A captive flight device comprising a body, a sustaining rotor having autorotatable pivotally mounted blades and a generally upright hub, a tilting fulcrum for the rotor located rearwardly of the hub axis and providing for longitudinal tilt of the rotor, direction and attitude stabilizing surfaces located on the body behind the rotor axis and lateral stabilizing surfaces located on the body forward of the rotor axis, the center of gravity of the entire device being rearwardly of the rotor tilting fulcrum, a towing member flexibly connected to the body forwardly of the rotor axis, and means for restraining the tilting of the rotor.

2,181,478

HEAT STABLE VINYL RESIN COMPOSITIONS

Kermith K. Fligor, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application December 22, 1936, Serial No. 117,181

7 Claims. (Cl. 260—86)

1. A heat stable resinous composition comprising a vinyl resin which contains a vinyl halide and a stabilizing material intimately dispersed therein, which stabilizing material comprises a mixture of a metal stearate and an alkali metal salt of a monobasic, moncarboxylic acid having not more than two carbon atoms to the molecule.

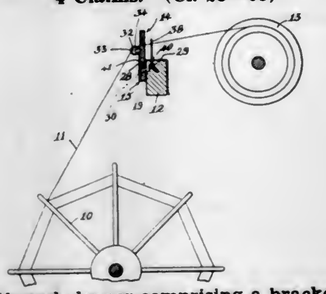
2,181,479

THREAD CLEANER

John Giet, Jamaica, N. Y., and Henry Miedendorp, Jr., Glen Rock, N. J.

Application August 22, 1939, Serial No. 291,340

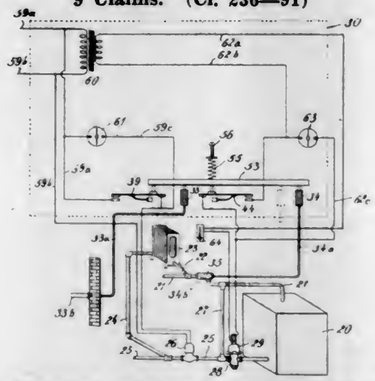
4 Claims. (Cl. 28—68)



1. A thread cleaner comprising a bracket member having one portion for affixing the member

to a support, an integral cleaner blade, a second portion carried by the bracket member for mounting the cleaner blade thereon, a thread guide roller secured to the bracket member, the cleaner blade being flat and being of treatment hardened steel substantially one-eighth of an inch in thickness and having an open ended narrow slot therein, the walls of said slot being straight and polished smooth to catch slubs or other imperfections and to eliminate thread catching irregularities, the edges of the slot being rounded to serve as cooperating guides with the thread guide roller when the thread contacts said edges at an angle during the cleaning operation thereby eliminating the necessity of the usual guides on both the swift side and winder side of the said cleaner blade.

2,181,480
HEATING SYSTEM
Merriman C. Gillett, Philadelphia, Pa., Edward Nute Sanbern, Rockville Centre, N. Y., and Austin Oliver Roche, Jr., Stamford, Conn., assignors to Hoffman Specialty Company, New York, N. Y., a corporation of Illinois
Application March 11, 1937, Serial No. 130,346
9 Claims. (Cl. 236—91)



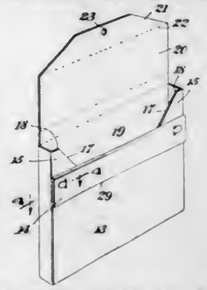
1. A method of heating a space by means of a fluid medium, which comprises positively circulating through the space, as long as the temperature external to said space remains below a predetermined point, a substantially constant quantity of said medium at a temperature sufficient to cause the medium to deliver heat to the space at the desired rate, maintaining a reservoir of heat in the form of a quantity of said medium at a higher temperature than that of the circulating medium, and maintaining the circulating medium at the desired temperature by replacing a portion thereof with medium withdrawn from said reservoir.

2,181,481
COMPOSITION FOR LINERS
Daniel M. Gray, Wheeling, W. Va., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a corporation of West Virginia
No Drawing. Application September 16, 1930, Serial No. 482,380
5 Claims. (Cl. 260—28)

1. A flexible non-tacky vinyl ester resin composition comprising:

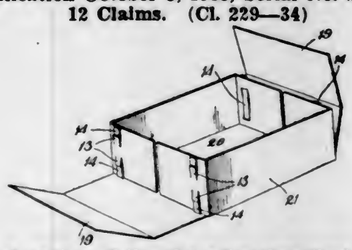
	Parts by weight
Polymerized vinyl ester resin	14 –17
Tricresyl phosphate	4 – 6
Petrolatum jelly	0.35– 0.6

2,181,482
FIBROID CASE
Herman L. Greve, Hollis, N. Y., assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y., a corporation of New York
Application December 1, 1937, Serial No. 177,516
5 Claims. (Cl. 229—16)



1. A casing of the character described made of fibroid material formed from a single sheet folded to provide a pocket extending from the top to the bottom of the casing on rear side and open on its front side for a predetermined distance to permit easy access to the pocket, said casing formed with a band at its upper front edge comprising a folded portion which extends across the casing to reinforce it and to provide a pocket on its inner side, means for securing the ends of said band together and to the front wall of the casing, and a cover portion having a tab end which is scored and may be folded to extend upwardly under said band and rest in said pocket to hold the cover in its closed position.

2,181,483
CARTON
Herman L. Greve, Hollis, N. Y.
Application October 8, 1938, Serial No. 233,942
12 Claims. (Cl. 229—34)

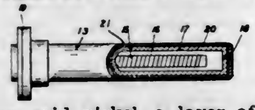


1. A carton of the character described formed from a blank of sheet material scored and folded to form a body portion and flap portions, some of said flap portions having openings spaced a predetermined distance apart thru which a strut may be inserted and extend perpendicular to the bottom of the carton for the purpose of bracing the carton.

2,181,484
ELECTRIC HEATING ELEMENT
William D. Harris, Kansas City, Mo., assignor to Refinoil Manufacturing Corporation, Kansas City, Mo., a corporation of Missouri
Refiled for abandoned application Serial No. 56,137, December 26, 1935. This application January 12, 1937, Serial No. 120,253
1 Claim. (Cl. 201—67)

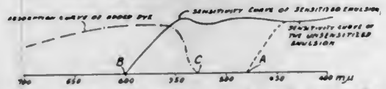
In an electric heating assembly for heating oil in a still, a tubular sleeve closed at one end, an electric heating element formed of resistance wire

having a porcelain support mounted in said sleeve spaced from the walls thereof, the outer surface of said sleeve being machined smooth and highly polished, a layer of nickel deposited on the outer surface of said sleeve and a layer of chromium



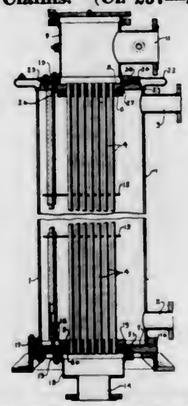
deposited on said nickel, a layer of chromium deposited on the interior of said sleeve, and means to mount the opposite end of said sleeve in a still so that its interior is closed to the oil under treatment.

2,181,485
GELATIN RELIEF
Max Herbst, Mannheim-Rheinau, and Walter Frankenburger, Ludwigshafen, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
Application May 11, 1938, Serial No. 207,226
In Germany May 13, 1937
8 Claims. (Cl. 95—5.6)



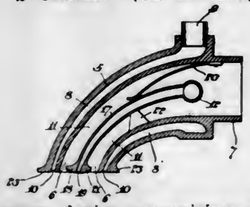
1. A process of producing a gelatin relief for printing which comprises incorporating in a silver halide gelatin emulsion a solid substance of which the main part has a particle diameter not exceeding 1 μ which substance does not affect the silver halide and is insoluble in the photographic treating baths, sensitizing said silver halide emulsion for a spectral region different from its initial sensitivity, dyeing said silver halide emulsion in a color complementary only to a part of said spectral region, casting said emulsion on a support to form a layer, producing a latent image in said layer, developing said image to a silver picture, and etching said layer to form a relief.

2,181,486
HEAT EXCHANGE EQUIPMENT
James M. Jenkins, Philadelphia, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 19, 1938, Serial No. 196,865
2 Claims. (Cl. 257—224)



1. In a tube and shell heat exchanger, a tube sheet at an end of the shell joined to said end to close the shell space, a second tube sheet positioned at the inner face of the first sheet with a venting space therebetween, heat exchange tubes each extended through the venting space and each having a fluid tight joint in each of said sheets, the two sheets being in engagement with each other substantially only in a narrow zone surrounding said venting space, the first tube sheet having a substantial area of its inner face exposed to the shell space, and means for venting said venting space.

2,181,487
VACUUM DEVICE
Adam Khuen-Kryk, Springfield, Pa.
Original application August 24, 1929, Serial No. 388,112. Divided and this application November 7, 1936, Serial No. 109,693
2 Claims. (Cl. 15—155)



1. A vacuum device comprising a chambered body having a suction nozzle having the margin of its intake opening extending in a horizontal plane, and a suction passage leading from said nozzle and having a horizontally extending portion, a compressed air discharge nozzle-member pivotally mounted within the horizontal portion of said suction passage, and at a point laterally removed from the suction nozzle end, said air discharge nozzle member being provided with a discharge orifice having the entire margin in a substantially horizontal plane and adapted for constant and yielding engagement with a surface to be cleaned and adapted to discharge compressed air to said surface in direction approximately vertical to the plane of said surface, actuating means for normally urging said compressed air nozzle against said surface and limiting means for preventing the downward motion of said discharge nozzle appreciably below the plane of said surface.

2,181,488
FIRE EXTINGUISHER
Charles H. Lindsay, Elmira, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
Application April 9, 1937, Serial No. 135,837
6 Claims. (Cl. 169—31)



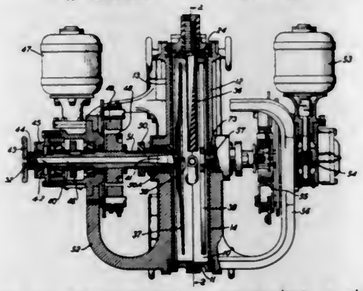
3. In an extinguisher, the combination of a container for liquid to be expelled, a disc-sealed flask of liquid carbon dioxide having a discharge bore of predetermined dimension, a piercer in said bore adapted to puncture the disc, said flask being relatively movable with respect to said piercer in one direction by a force adapted to puncture the disc, and in the other direction, by the reaction of the escaping gas, said flask having a discharge outlet arranged to discharge gas only through said bore and said bore and piercer being mutually calibrated to provide a smaller gas-escape path through the bore on the gas-reaction position of said parts.

2,181,489
GEM SETTING
Julius C. Link, Brooklyn, N. Y.
Application August 9, 1939, Serial No. 289,101
5 Claims. (Cl. 63—27)



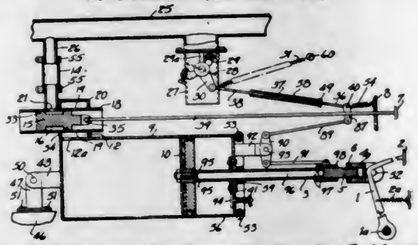
1. In a gem setting, a base having a pyramid projecting upwardly therefrom, the apex of said pyramid being in close proximity to a stone, and prongs projecting upwardly from the base, said prongs being adapted to receive a stone.

2,181,490
ELECTROPLATING APPARATUS
Charles W. Lowe, Rutherford, N. J., assignor to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware
Application July 9, 1936, Serial No. 89,789
2 Claims. (Cl. 204—5)



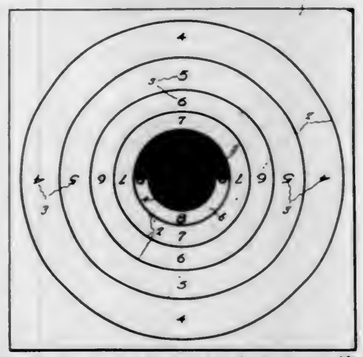
1. In an electroforming apparatus, a stationary chamber comprising a pair of hinged sections, a rotatable electrode located in each of the sections, a driving motor for each electrode carried by its associated section, a surface to be electroformed supported upon one electrode, and means for passing an electrolyte through the chamber.

2,181,491
VACUUM POWER CLUTCH
James H. K. McCollum and Henry J. De N. McCollum, Long Branch, N. J.
Original application January 17, 1931, Serial No. 509,310. Divided and this application January 21, 1932, Serial No. 587,880
13 Claims. (Cl. 192—.01)



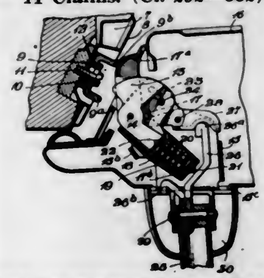
1. In an apparatus for actuating by fluid pressure a movable member of a mechanism adapted to operate a power transmitting clutch such as is employed in motor cars, the combination, with said above described apparatus, of automatic means adapted to produce a relatively rapid flow of the fluid to effect a correspondingly rapid clutch engaging movement of said clutch operating member followed by a relatively slower flow of said fluid during the final stages of said engaging movement, comprising a cylinder containing a piston and having a closed end through which the piston rod projects and is operatively connected to said movable member; said piston rod being hollow and having one air outlet port near the piston between the latter and that cylinder head through which said rod projects and another near its outer end, and means for closing said outer port.

2,181,492
TARGET
Albert Cornelius Murphy, New Haven, Conn.
Application August 5, 1937, Serial No. 157,597
2 Claims. (Cl. 273—102)



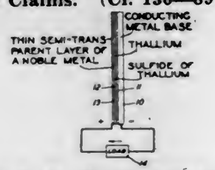
1. A sheet of material having upon the surface thereof markings constituting a target made up of two distinct portions, namely, a bull's-eye portion and a portion made up of rings or annuli surrounding the bull's-eye portion, the surrounding ringed portion presenting a light color throughout the annulus adjacent the bull's-eye portion, and the bull's-eye portion comprising a dark substantially solid figure of generally rounded outline having the part above the center thereof of a substantially different radius from the part below the center, whereby inversion of the sheet adapts the target to shooting at different respective ranges, as described.

2,181,493
REFRIGERATOR DOOR LATCH
Alfred E. Nave, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application November 8, 1937, Serial No. 173,497
11 Claims. (Cl. 292—332)



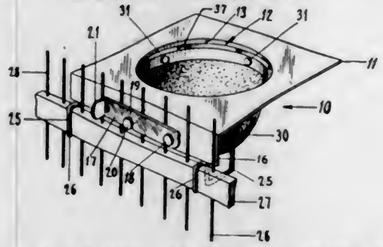
1. A latch comprising in combination with a striker, a latch bolt mounted to rotate about a pivotal axis, a bolt spring mounted to exert thrust on said bolt to urge the latter into latched and unlatched positions, a trip member operatively associated with said bolt and spring but independently movable with respect to the bolt for shifting the line of thrust of said spring with respect to the axis of said bolt, said striker being mounted for contact by said member.

2,181,494
LIGHT-SENSITIVE ELECTRIC DEVICE
Foster C. Nix, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 25, 1936, Serial No. 87,231
13 Claims. (Cl. 136—89)



12. A photo-E. M. F. cell comprising a metal base, a thallium member adjacent to and in contact with said metal base, and a film of a material comprising thallium and sulphur on the face of said thallium member remote from the base.

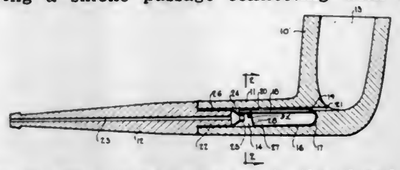
2,181,495
PLATFORM NEST FOR BIRDS
Henry Novack, Brooklyn, N. Y.
Application June 26, 1939, Serial No. 281,252
4 Claims. (Cl. 119—45)



1. In a platform nest for bird cages having rectangular rails, comprising a metallic platform having U-shaped arms positioned below its upper surface and designed for engagement with one of said rails for supporting said platform nest in horizontal position, said platform having an aperture defined by a downwardly directed annular member, a semi-spherical concave nest body mounted in said annular member slightly below the upper surface of said platform, said annular member having apertures, and fasteners passing through said nest body and through said apertures for securing said nest body and platform in unitary relation, said nest body being wholly below said platform level to permit cleaning and scraping of said platform without damaging said nest body.

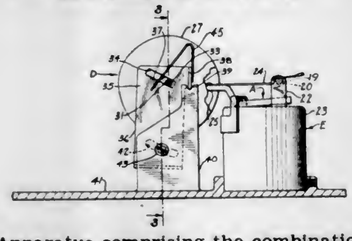
2,181,496
PIPE
Konrad Schutz, Brooklyn, N. Y.
Application April 7, 1938, Serial No. 200,579
2 Claims. (Cl. 131—212)

1. A smoking pipe comprising a bowl having a tubular shank, a separable stem having at its inner end a reduced portion received in the shank; and means for establishing a non-straight smoke passage between the bowl and the stem for trapping saliva, tobacco oil and nicotine in the shank, said means including a cup liner for the shank at the inner end of the shank, said cup liner being open at its stem-facing end and having a longitudinal channel for smoke along its top and out of communication with the interior of the cup all along the length of the latter, the bowl having a smoke passage connecting with said



channel near its end adjacent to the closed end of the cup, and the stem having a smoke passage extending from the outer end of the stem to and through said reduced portion of the stem, said passage through the stem terminating in the shank above the bottom of the cup liner but below said channel, said reduced portion of the stem being tapered toward the pipe bowl, a gate pivotally hung near its top in the cup liner and swingable to close the upper portion only of the open end of said cup liner.

2,181,497
ELECTRICAL APPARATUS
Ralph R. Smith, Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application August 31, 1935, Serial No. 38,709
22 Claims. (Cl. 200—90)

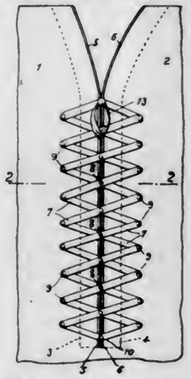


1. Apparatus comprising the combination of a rotatable member, means for supporting said member so that it is rotatable and also translatable along a path extending between two points at different elevations, thrust-imparting means disposed adjacent the lower point of the path of movement of said member adapted to be engaged by a part of said member and operative to impart a thrust thereto for rotating and translating it upward along said path toward the higher point thereof, and resilient means assisting the force of gravity being effective, after said member comes to rest, for rotating said member in the opposite direction and translating it along said path toward the lower point thereof to receive another thrust from said thrust-imparting means.

2,181,498
FASTENING DEVICE
Adalbert Wahl, Paris, France
Application August 10, 1938, Serial No. 224,053
In France June 29, 1938
8 Claims. (Cl. 24—207)

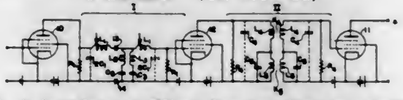
2. A fastening device for bringing together opposite edges of garments, bags and the like,

comprising two series of link members pivotally secured at their ends to form two zigzags alternately overlapping each other and capable of expansion and contraction to form parallelograms, the first and last blades of each series having half the length of the intermediate blades, each pair of first and last blades being pivotally secured



at their free ends, central pivot means for securing the two series to each other at the overlapping portion of each pair of blades, and slidable fastening members carried by said central pivot means and cooperating with and partly embracing opposite edges of an opening for bringing together and uniting said opposite edges.

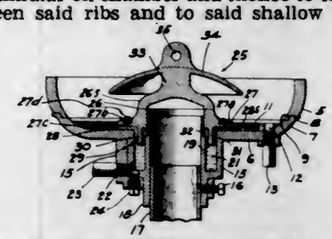
2,181,499
BAND-PASS FILTER
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application November 10, 1937, Serial No. 173,823
9 Claims. (Cl. 178—44)



6. A band-pass filter for passing a relatively narrow band of frequencies comprising, input and output pairs of terminals and shunt and series reactive arms, two series-resonant circuits coupled in parallel to form a shunt arm of said filter, two inductances in adjacent series arms, and a resistor and condenser coupled in parallel across one of said pairs of terminals, said resistor and condenser having an impedance approximately equivalent, over said band, to the sum of the mid-series image impedance and the impedance of the condenser of the series arm of the corresponding m-type filter.

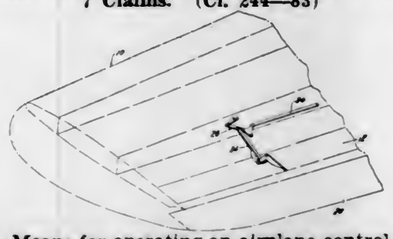
2,181,500
OIL BURNER
August Behrsin, Huntington Park, Calif.
Application September 27, 1937, Serial No. 165,816
1 Claim. (Cl. 158—91)

In an oil burner, a burner bowl having a base portion provided with an upstanding central flange around which is an annular oil chamber, an oil and air spreading member having an annular lower portion which is fitted around the upper end portion of said flange, said spreader having in its lower portion an outwardly directed peripheral flange having downwardly projecting radial ribs which rest upon the floor of said bowl when the spreader is fitted upon said flange, said bowl having an annular space to provide for collecting an annular shallow body of oil around the outer ends of said ribs, means to supply oil to said annular oil chamber and thence to the spaces between said ribs and to said shallow oil body,



an air spreading deflector mounted upon the upper portion of said spreader body in a position to direct a current of air of an inverted funnel shape down upon said shallow body of oil, and means to supply a current of air against said deflector to be deflected thereby against said shallow oil body.

2,181,501
AIRPLANE CONTROL DEVICE
Rex B. Beisel, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 18, 1938, Serial No. 214,486
7 Claims. (Cl. 244—83)

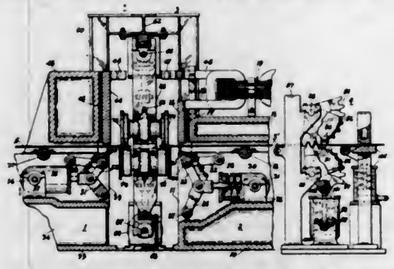


1. Means for operating an airplane control surface comprising, an axially movable shaft, a link operatively connected at one end to the control surface and having its opposite end disposed adjacent to one end of said shaft, and mechanism between the adjacent ends of said link and said shaft effective to vary the ratio of link movement to shaft movement at different predetermined positions of said shaft, said mechanism comprising a pair of levers rotatable about respective fixed centers, and an intermediate link member connecting said levers and connected intermediate its length to said opposite end of said first mentioned link.

2,181,502
APPARATUS FOR WELDING METAL STRIP END TO END
Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1937, Serial No. 150,055
4 Claims. (Cl. 29—33)

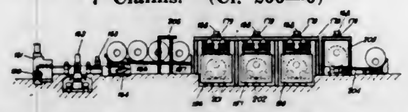
1. In apparatus for welding metal strip together in end-to-end relation, spaced apart means for clamping the strip ends in an aligned position, a carriage mounted for lateral movement between the spaced apart clamping means, a pair of rotary disc shears carried on each side of the carriage and each adapted to engage with a strip end, means for moving the carriage laterally to shear progressively and substantially simultaneously the ends of the strips to prepare them for welding,

and also to move the carriage out of the path of movement of the clamps, and means for moving



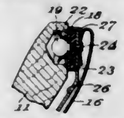
the clamping means towards each other to position the strip ends for welding.

2,181,503
METAL TREATING APPARATUS
Florence C. Biggert, Jr., Crafton, and Charles F. Buente, Pittsburgh, Pa., assignors to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application May 29, 1936, Serial No. 82,542. Divided and this application November 25, 1938, Serial No. 242,346
7 Claims. (Cl. 266—6)



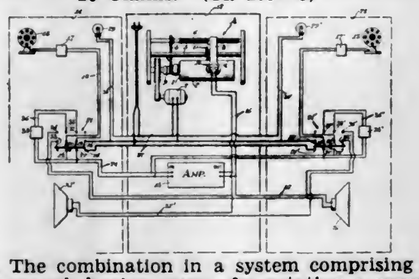
1. The combination with a tank for receiving a metal-treating bath, driving means mounted beside said tank, of stub mandrels adapted to extend into and support a loose coil of metal in said tank with portions of its convolutions spaced apart, rotatable means connected to said mandrels, and means for detachably connecting said driving means to said rotatable means to impart rotation to the mandrels.

2,181,504
LINING UNIT FOR BURIAL CASES
Ernest C. Bowler, Jr., Portland, Maine
Application December 31, 1937, Serial No. 182,656
Renewed April 29, 1939
2 Claims. (Cl. 27—19)



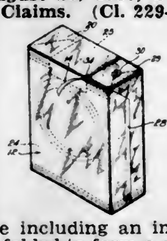
2. In a burial case having a hinged cover provided with fastening elements, a detachable lining unit for said cover comprising a backing member substantially conforming to the inner face of the cover, a framing element comprising strips assembled with said backing element as a border reinforcement, and a lining element carried by said framing elements, said framing strips having channels in their outer faces and having fillers in said channels constituting attaching surfaces to which the lining element is adapted to be attached, and the inner faces of said strips having fastening means for cooperation with the complemental fastening elements on the burial case cover for detachably fastening the backing member, the framing element and the attached lining element as a unit to said cover.

2,181,505
PHONOGRAPH SYSTEM
Merrill L. Bradfield, Terre Haute, Ind., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application March 10, 1938, Serial No. 195,026
10 Claims. (Cl. 179—6)



1. The combination in a system comprising a phonograph having means for rotating a record and a translating device cooperating with said record of an electrical amplifier connected to said translating device; a microphone for the input of said amplifier; a sound reproducer for the output of said amplifier; and a unitary switch device having a position for connecting said microphone and said sound reproducer with said amplifier, and another position for connecting said microphone with said amplifier and for rendering said record-rotating means operative.

2,181,506
PACKAGE
Cal V. Brown, Santa Barbara, Calif.
Application August 23, 1937, Serial No. 160,439
10 Claims. (Cl. 229—51)



1. A package including an inner wrapping of sheet material folded to form a package, an outer wrapping enclosing the inner wrapping and secured thereto along a selected line, and a flexible element trained along said line at the inner side of the inner wrapping and having a portion protruding from the outer wrapping adapted to be grasped by the user whereby the said element may be pulled to sever both wrappings along said line.

2,181,507
ORNAMENTAL RING
Louis Chickering, Cincinnati, Ohio
Application July 9, 1938, Serial No. 218,331
3 Claims. (Cl. 63—15)



1. A finger ring comprising a ring blank hav-

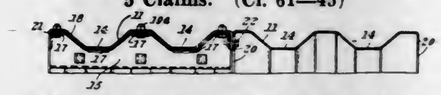
ing a flattened portion on the outer surface thereof, a photograph superimposed above said flattened portion, a transparent cover positioned on the photograph, a frame portion confining said photograph and cover and a lens secured to the frame portion and positioned above the photograph and the outer surface of the cover.

2,181,508
LINER SEGMENT

Charles B. Cushwa and Thomas L. White, Youngstown, Ohio, assignors to The Commercial Shearing & Stamping Company, a corporation of Ohio

Application April 30, 1938, Serial No. 205,304

5 Claims. (Cl. 61—45)



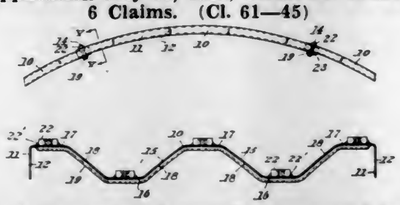
1. A liner segment comprising a skin plate curved along one dimension and having corrugations extending along said dimension, depressions formed adjacent one end of the plate and protuberances at the other, a pair of said segments being adapted to be assembled end to end in partly lapped relation wherein the protuberances at one end of a segment mate with the depressions in the end of the adjacent segment, said depressions and protuberances being disposed at the crests and troughs of said corrugations.

2,181,509
SEGMENT FOR FORMING TUBULAR STRUCTURES

Thomas L. White, Youngstown, Ohio, assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio, a corporation of Ohio

Application July 28, 1938, Serial No. 221,809

6 Claims. (Cl. 61—45)



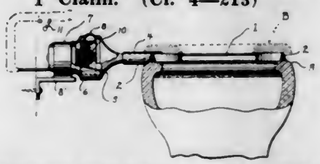
1. A liner segment comprising a curved metal plate having corrugations extending along one dimension thereof, a rib extending along the other dimension adjacent each end of the plate and bolt holes through said plate adjacent said ribs whereby the latter withstand thrust longitudinally of plates bolted together with their ribs interlocking.

2,181,510
TOILET VENTILATOR

Adolph R. Dahlke, Wausau, Wis.

Application March 31, 1938, Serial No. 199,069

1 Claim. (Cl. 4—213)



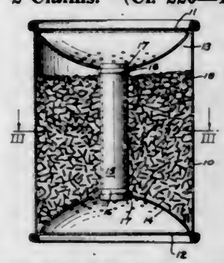
A ventilating unit for commode bowls comprising, a one-piece inhaler bracket adapted to support a toilet seat and to rest upon the rim of the toilet bowl, the bracket having a flat, hollow base-piece with an intake mouth extending towards said bowl and curved seat-supporting arms extending from the bracket base at the corners of the mouth thereof, whereby air is directed into said mouth, a casing, a motor-driven fan mounted therein, a housing for the fan fitted to the front of the motor casing, a bell-shaped suction hood fitted to the front of said fan housing terminating with a contracted intake mouth, and a coupling pipe section fitted to the mouth of the hood and inhaler bracket nozzle, whereby the parts are readily assembled upon a horizontal plane to facilitate installation.

2,181,511
CAN FOR RICE AND SIMILAR EDIBLE SUBSTANCES

Takanoshin Domoto, Oakland, Calif.

Application August 24, 1937, Serial No. 160,597

2 Claims. (Cl. 220—1)



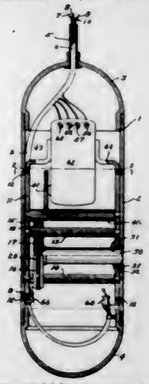
1. A hermetically sealed container of the class described comprising a cylinder, top and bottom closures therefor, a pair of bowl-shaped perforate members having their concavities disposed toward and bearing against said top and bottom, respectively, each of said perforate members having an axial aperture, a tubular member between said perforate members with its ends projecting through said axial apertures, and a pair of annular rings on said tubular member bearing against the convex sides of said perforate members.

2,181,512
SAMPLE TAKING DEVICE

John H. Kirby, 2d, Houston, Tex.

Application January 18, 1937, Serial No. 121,121

7 Claims. (Cl. 255—1)



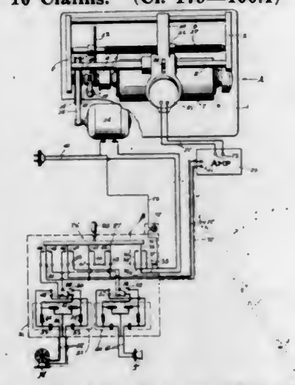
1. A device for cutting core samples from the wall of a well bore including a housing, a coring bit transversely of said housing, a threaded pillar adjacent said coring bit, a driving gear threadably mounted upon said pillar, a guiding yoke mounted upon said driving gear, a pinion in said yoke, meshing with said gear and fixed to said bit, and means for rotating said driving gear whereby said bit may be simultaneously rotated and advanced.

2,181,513
PHONOGRAPH

Newton R. Kurtze, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application February 9, 1938, Serial No. 189,506

10 Claims. (Cl. 179—100.4)



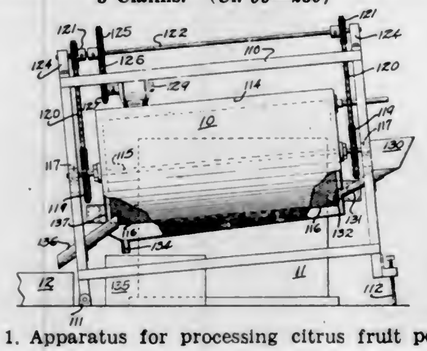
1. The combination in a recording system including a phonograph having record-rotating means, a translating device adapted to cooperate with a record supported by said means, an input circuit for said device, and a power circuit system operable to start and stop said record-rotating means: of a unitary control device comprising a plurality of transmission circuits and a shorting circuit for said input circuit; a multiple switch operable to selectively connect said input circuit with said transmission circuits and with said shorting circuit; and means, controlling said power circuit system, for starting said record-rotating means as said selector switch is operated to connect said input circuit with said plurality of transmission circuits respectively, and for stopping said record-rotating means as said selector switch is operated to connect said input circuit with said shorting circuit.

2,181,514
MEANS AND METHOD FOR THE PREPARATION OF GLACÉ FRUIT

Charles Lachman, San Francisco, Calif., assignor to S and W Fine Foods, Inc., San Francisco, Calif., a corporation of California

Application March 12, 1937, Serial No. 130,522

5 Claims. (Cl. 99—239)



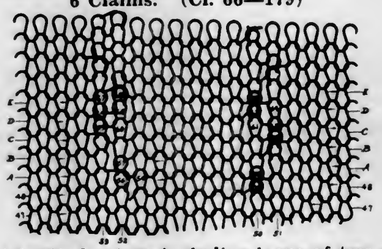
1. Apparatus for processing citrus fruit peel and the like comprising in combination means for partially dicing the peel by cuts inwardly directed therethrough which do not sever the inner rag, means for agitating the cut peel to separate the diced portions from said rag, means for supplying a washing liquid during said agitating process, and means for straining said peel from said liquid and rag.

2,181,515
KNITTED FABRIC AND METHOD

Robert H. Lawson and Wilfred Armitage, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Original application May 21, 1937, Serial No. 144,007. Divided and this application September 7, 1938, Serial No. 228,808

6 Claims. (Cl. 66—179)



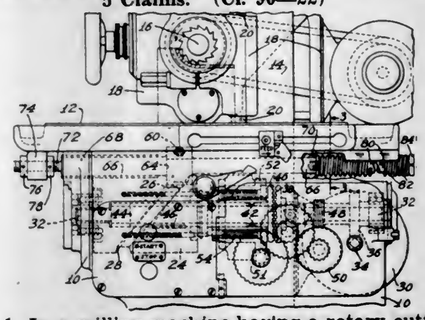
2. A knitted suture including loops of two separate and distinct yarns, one only of said yarns being knitted in a wale for two consecutive courses, then one of the yarns being knitted in all of the wales of the suture for the next course, that yarn being knitted on the following course and in addition thereto the other yarn, whereby five knitted stitches are included in each wale of the suture throughout each consecutively knitted four courses of the fabric.

2,181,516
MILLING MACHINE

George N. Levesque, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island

Application January 24, 1938, Serial No. 186,538

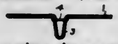
5 Claims. (Cl. 90—22)



1. In a milling machine having a rotary cutter spindle, driving means for the spindle, a reciprocable work table and cam actuated driving connections for the table including a rotatable cam drum having formed in the periphery thereof a closed feed and return cam track, and a cam follower engaging in said cam track, means supporting the follower to move with the table, and take-up means for said cam actuated driving connections acting to urge the table continuously in

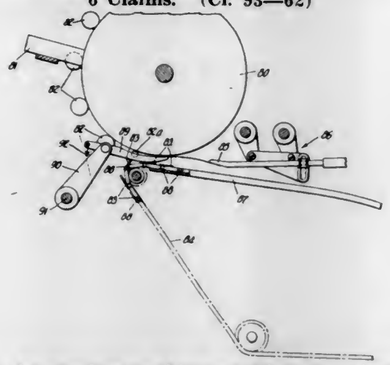
the same direction in which that portion of the milling cutter proximate to the work is moved whereby the follower is maintained continuously in engagement with that side of the cam track which supports the follower and table against the force exerted by the cutter in the performance of a milling operation.

2,181,517
GARMENT
Meyer London, Fort Wayne, Ind.
Application January 17, 1938, Serial No. 185,358
3 Claims. (Cl. 2—74)



1. A garment having inwardly projecting pleats crossing the waist line thereof, the seams of the pleats being formed with elastic thread.

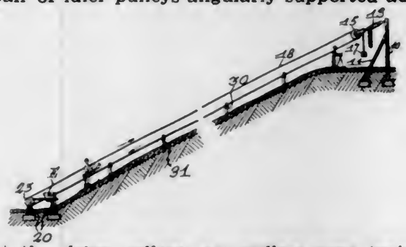
2,181,518
ENVELOPE-MAKING MACHINE
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co. Inc., New York, N. Y., a corporation of New York
Original application December 7, 1934, Serial No. 756,464. Divided and this application April 16, 1938, Serial No. 202,393
6 Claims. (Cl. 93—62)



1. An envelope-making machine comprising, in combination, a cylinder and cooperating feeding means for advancing fanned-out blanks with the leading ends thereof extending clear of the cylinder at the lower side of the cylinder and in a direction generally tangent to the cylinder, a fan-out conveyor, means for transferring the blanks from the cylinder to the conveyor comprising a reciprocating sucker for engaging the upper leading margin of each blank and carrying it forward in a path clear of the conveyor, reciprocating blank-deflecting means, and means for advancing the blank-deflecting means in conformity with the contour of the cylinder to lift the leading margin of the leading blank into the field of action of the sucker and for then retracting the deflecting means to a position to be cleared by the trailing edge of the leading blank after the sucker has taken control of the leading margin of the blank.

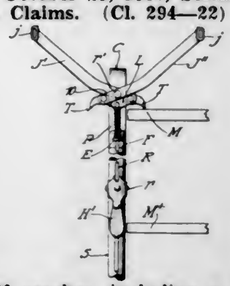
2,181,519
SKI TOWING APPARATUS
Moise Paquette, Ste. Agathe des Monts, Quebec, Canada
Application October 13, 1938, Serial No. 234,837
6 Claims. (Cl. 104—178)

1. In apparatus for towing skiers up an inclination, a pulley adapted to be supported at an upper part of the inclination, a pair of transversely spaced drive pulleys secured on a common drive shaft at a lower position of the inclination, a pair of idler pulleys angularly supported adja-



cent the drive pulleys, an endless rope trained over the upper pulley, the drive and idler pulleys so as to horizontally space the reaches of the towing apparatus, and means for rotating the said drive shaft and pulleys.

2,181,520
SHELF REACHER
Julius Pedersen, Bridgeport, Conn.
Application October 29, 1937, Serial No. 171,659
17 Claims. (Cl. 294—22)



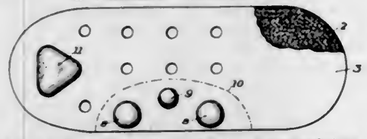
16. A shelf reacher, including a staff; a pair of jaws pivotally mounted intermediate their ends on the staff and having article-gripping means formed at one end thereof; a handle pivoted on the staff; and means including links operatively connecting the handle to the jaws for operation thereby, the other ends of the jaws being formed with shelf-engaging means whereby the device can be hung on shelves.

2,181,521
LIQUID DISPENSING DISPENSER
Frank Reade, Klamath Falls, Oreg.
Application December 8, 1938, Serial No. 244,665
7 Claims. (Cl. 221—95)



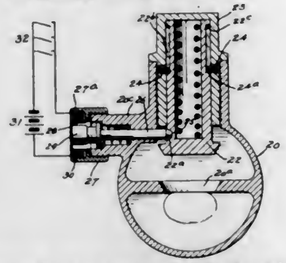
1. A fluid delivery apparatus including a cabinet formed with an opening, a door mounted to close the opening, a hose reel mounted in the cabinet, a hose wound on the reel in position to permit the delivery end of the hose to be passed through the opening, means for operating the reel in a direction to wind the hose, a source of fluid delivery in communication with the hose, and means for locking the door in open position during the projection of the hose through the opening.

2,181,522
ARCH SUPPORTING PAD
Lazarus Rosenthal, Atlantic City, N. J.
Application May 11, 1937, Serial No. 141,905
4 Claims. (Cl. 36—71)



1. An arch supporting device comprising a pad having a heel portion and a supporting portion extending forwardly from the heel portion and of a length to extend under the metatarsal arch of the wearer, said heel portion being relatively thin, the body of the pad being formed of resilient and elastic material, and a plurality of resilient projections on the bottom surface of the pad adapted to lift a portion of the pad off the bottom of the shoe in which the pad is placed, said projections being located under the pad at a point to lend support to the longitudinal arch of the foot.

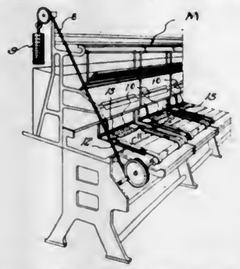
2,181,523
SHUT-OFF VALVE
Herbert H. Shiels, Culver City, Calif.
Application November 29, 1937, Serial No. 176,943
7 Claims. (Cl. 137—162)



4. A shut-off valve comprising, a casing having a transverse passage, a valve seat in said passage, a screw cap closing the casing and axially alined with said seat, a valve longitudinally slidable within said cap toward said seat, a spring urging the valve toward its seat, means normally maintaining said valve withdrawn from the seat, said means comprising a plunger angularly disposed relative to said valve, a thimble axially alined with said plunger, a fusible member in said thimble normally maintaining said plunger in engagement with said valve to maintain the valve withdrawn from the seat, a spring urging the plunger against said fusible member, and a heating element seated on said thimble and actuated from a remote point to fuse said member.

2,181,524
KNITTING MACHINE
Anton J. Stortz, Fort Atkinson, Wis., assignor of one-third to P. J. Majerus, Fort Atkinson, Wis., and one-third to J. E. Fitzgibbon, Milwaukee, Wis.
Application July 9, 1938, Serial No. 218,419
4 Claims. (Cl. 66—149)

1. The method of adjusting the tension of all of the sections of a full-fashioned knitting machine equal, which consists in, first, disconnecting the roller tension straps from the welt bars in all the sections; second, placing an equal individual balanced pull on the stocking blanks in all sections; measuring knitted blanks to determine uniformity and adjusting tension of all sections while the



blanks are under equal balanced pull; and, finally, continuing knitting after adjustment.

2,181,525
PENCIL
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application August 23, 1937, Serial No. 160,364
5 Claims. (Cl. 120—18)

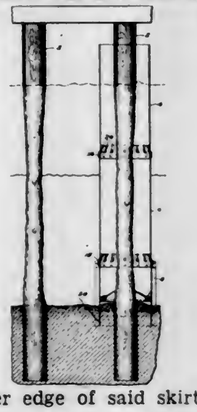


5. A pencil including a two-part plastic barrel including an upper part and a lower part, a tip anchored to said lower part of said pencil, a tube anchored within said lower part of said pencil and extending therefrom, and a flared end on said tube engaging said upper part of said tube and securing said two parts of said tube together.

2,181,526
PILE SHIELD
John Upton, Wayland, Mass., assignor, by direct and mesne assignments, to Anderson Products, Inc., Cambridge, Mass., a corporation of Massachusetts
Application August 6, 1937, Serial No. 157,709
16 Claims. (Cl. 61—54)

1. A pile shield comprising a plurality of flexibly connected tubular sections, a sectional bottom for said shield comprising a plurality of overlapping segments flexibly connected to said shield, auxiliary means for urging said segments downwardly whereby a pile positioned within said segments will be centrally located with respect to said shield and a skirt extending below said segments a substantial distance whereby penetration of the bottom by said skirt when said

shield is unloaded will not exceed the distance



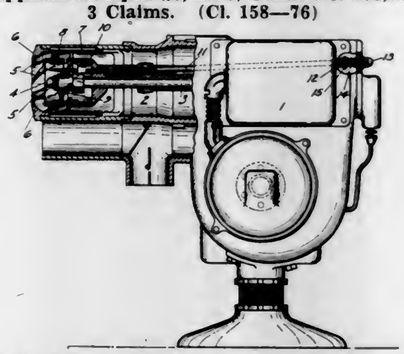
from the lower edge of said skirt to said segments.

2,181,527

MEANS FOR ADJUSTING OIL BURNERS FOR LOW CAPACITY BURNING

Earl C. Vollmer, Rock Island, Ill., assignor to Micro-Westco, Incorporated, Bettendorf, Iowa, a corporation of Delaware

Application April 27, 1938, Serial No. 204,627
3 Claims. (Cl. 158—76)



1. In a low capacity oil burner comprising an air carrying conduit, a fuel tube extending longitudinally inside said conduit, said fuel tube having a fuel nozzle located at its forward end adjacent the air outlet end of said conduit, a cylindrical ring inside and spaced from said air conduit substantially concentric with respect to the axis of said nozzle with the forward end of said nozzle approximately in the plane of the forward edge of said ring, the rear edge of the ring being substantially rearward of the forward end of said nozzle and being forward of the rear end of said nozzle, and a member slidable along said fuel tube to a position engaging said ring to prevent air from passing through said ring and adjustable to positions spaced from said ring to allow air to pass between said ring and said member.

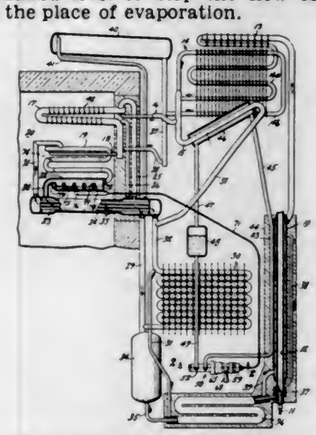
2,181,528

REFRIGERATION

Nils Widell, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware

Application March 14, 1938, Serial No. 195,715
In Germany March 16, 1937
23 Claims. (Cl. 62—119.5)

2. In a refrigeration system, the improvement which consists in flowing liquid refrigerant to a place of accumulation and conducting liquid therefrom to a place of evaporation when liquid is at or above a predetermined level at the place of accumulation, and flowing refrigerant from the place of accumulation to a place in the system other than the place of evaporation to lower the liquid at the place of accumulation below the predetermined level to stop the flow of refrigerant to the place of evaporation.



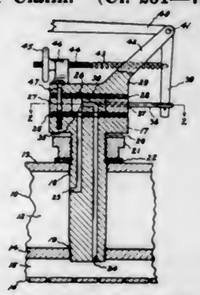
5. An absorption refrigeration system including a cooling element and an absorber connected to form a gas circuit for circulating gas therein by a force developed by the difference in specific weight of columns of gaseous fluid, a member to conduct liquid refrigerant to said cooling element, and conduit means to conduct refrigerant from said member to a part of the gas circuit other than the cooling element to reduce the force developed in the gas circuit for circulating gas therein.

2,181,529

PRESSING MACHINE STEAM VALVE

Andrew D. Albero, Delaware Gardens, N. J., assignor of one-half to Irving M. Falk, Philadelphia, Pa.

Application July 27, 1937, Serial No. 155,851
1 Claim. (Cl. 251—78)



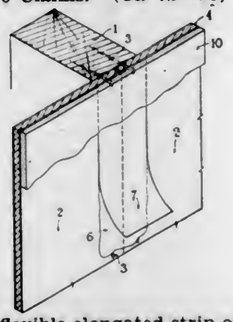
A valve for steam pressing devices including a bottom casing member, an intermediate casing member having an opening therethrough forming a valve chamber, a top casing member, a bottom gasket between said bottom member and said intermediate member, said bottom gasket completely covering and extending beyond the margins of the opening in said intermediate member and said bottom member and said bottom gasket having an inlet port and an outlet port opening into the valve chamber, a top gasket between said intermediate member and said top member, said top gasket completely covering and extending beyond the margins of the opening in said intermediate member, a slide-valve reciprocable within said chamber and constructed and arranged such that in one position of said slide-valve said ports are in communication and in another position communication is prevented, means to control the position of said slide-valve, and means to compress said gaskets and said intermediate member between the bottom and top members, said slide-valve being constructed and arranged to be under compression between said gaskets.

2,181,530

JOINT SEALING STRIP

Franklyn E. Davenport, Watertown, N. Y., assignor to Knowlton Brothers, a corporation of New York

Application January 8, 1938, Serial No. 184,112
6 Claims. (Cl. 72—16)



1. A thin flexible elongated strip of substantial width comprising a longitudinal body of greater thickness, marginal sides of very thin thickness, and intermediate deckled portions progressively reduced in thickness from the body portion to the very thin marginal sides.

2,181,531

PROCESS FOR THE PRODUCTION OF DINITRO DERIVATIVES OF SATURATED NON-BENZENOID HYDROCARBONS

Henry B. Hass and Leon W. Seigle, La Fayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application November 16, 1938, Serial No. 240,662
5 Claims. (Cl. 260—644)

1. Process for the production of a dinitro derivative of a saturated non-benzenoid hydrocarbon which comprises condensing a salt of a secondary nitro derivative of a saturated non-benzenoid hydrocarbon with a secondary halonitro derivative of a saturated non-benzenoid hydrocarbon having the halogen and the nitro group on the same carbon atom.

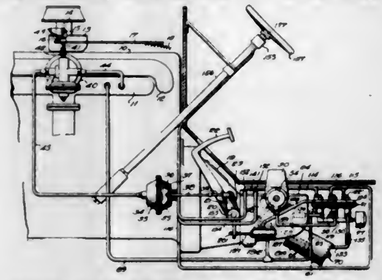
2,181,532

GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES

Edward G. Hill and Henry W. Hey, Richmond, Va., assignors to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia

Application October 1, 1935, Serial No. 43,104
33 Claims. (Cl. 192—3.5)

1. A gear shifting mechanism for a motor vehicle having a clutch and a transmission, comprising a differential pressure operated gear shifting mechanism, a source of pressure differential therefor, a plurality of control devices for said mechanism, means for selectively actuating said control devices, and means for rendering said



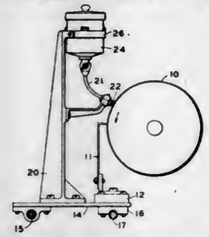
last named means inoperative when the clutch is in engagement while connection between said shifting mechanism and said source is maintained.

2,181,533

METHOD OF AND MEANS FOR RECORDING SIGNALS ELECTRICALLY

Bernard L. Kline, Manhasset, N. Y., and Robert D. Parrott, West New York, and George L. Erickson, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application January 18, 1936, Serial No. 59,780
9 Claims. (Cl. 178—62)



2. The method of recording telegraphic signals which comprises applying as a coating to a record blank a quantity of material adapted to be marked upon passage of an electric current through said coating, adding a quantity of a dry electrolyte soluble in a non-aqueous solvent to the blank and during recording applying a non-aqueous solvent to said blank and thereafter selectively passing an electrical current through elemental areas of said coated blank.

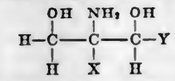
2,181,534

AMINOHYDROXY COMPOUNDS AS WETTING AGENTS

Jerome Martin, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application August 25, 1937, Serial No. 160,779
5 Claims. (Cl. 260—404)

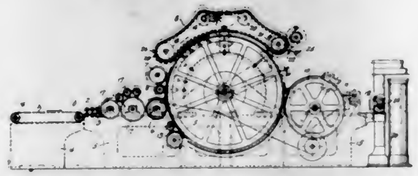
1. A wetting agent consisting essentially of a higher fatty acid salt of an aminohydroxy compound of the following structural formula:



wherein X represents a constituent chosen from the class consisting of hydrogen and alkylol and

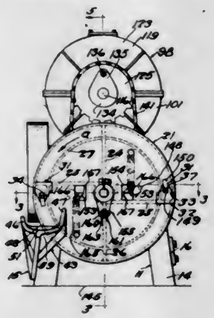
alkyl groups containing less than four carbon atoms, and Y represents a constituent chosen from the class consisting of hydrogen and alkyl groups in which the number of carbon atoms in X plus Y is less than six.

2,181,535
PRODUCTION OF SLIVER
Ludwig Schlipp, Kassel, and Max Boettle, Kassel-Bettenhausen, Germany, assignors to Spinnfaser Aktiengesellschaft, Kassel-Bettenhausen, Germany, a corporation of Germany
Application July 7, 1938, Serial No. 217,878
In Germany February 14, 1938
8 Claims. (Cl. 19—99)



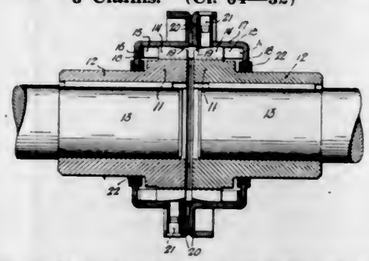
1. In a machine for treating textile fibres, in combination, a rotatable main cylinder, means for feeding staple fibres thereto, a roller card portion comprising worker and clearer rollers cooperating with the cylinder to effect carding of staple fibres fed thereto and a flat card portion comprising a card chain having flats spaced from each other at intervals corresponding at least to the maximum length of fibre and covered with inclined pins, and flats intermediate said first flats, and covered with pins whose free end portions are at substantially right angles to their base.

2,181,536
SNOUT PULLER
Oscar C. Schmidt, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio
Application July 11, 1938, Serial No. 218,709
20 Claims. (Cl. 17—1)



1. A snout puller comprising a rotatable pulling disk provided with a snout pick projecting in the direction of the axis of rotation of said disk outwardly from the face of said disk and rotatable with said disk, the said face extending transversely to the axis of rotation of said disk and being a supporting guide against which to rest the snout end of the head of the carcass to position said snout in the rotary path of said snout pick preparatory to being struck by said snout pick.

2,181,537
COUPLING
Walter P. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 12, 1937, Serial No. 142,097
3 Claims. (Cl. 64—32)

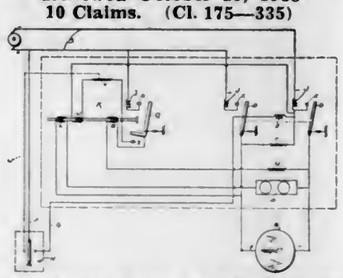


3. In a flexible coupling the combination of a pair of adjacent coupling heads having hub portions, flexible torque transmitting means connecting said heads, a lubricant retainer housing supported upon said heads and rockable relative thereto in response to relative radial displacement between said heads, said housing having end walls directed inwardly toward said hub portions and movable relative thereto in response to rocking action of said housing, and a sealing ring of elastic material on each of said hub portions, each of said rings having inner and outer peripheries in continuous sealing contact with a hub portion and an adjacent end wall, respectively, in all rockable positions of said housing.

2,181,538
RUBBERIZING OF FABRICS AND AGENTS THEREFOR
Joseph I. Taylor, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 20, 1936, Serial No. 59,909
3 Claims. (Cl. 91—68)

1. Regenerated cellulose fibers coated with rubber containing a small amount of an hydroxyalkylamine to increase the adhesion of the rubber to the fibers.

2,181,539
MAGNET CONTROL
Roy O. Wertz, Cleveland Heights, Ohio, assignor to The Ohio Electric Mfg. Co., Cleveland, Ohio, a corporation of Ohio
Application March 9, 1935, Serial No. 10,243
Renewed October 15, 1938
10 Claims. (Cl. 175—335)



1. In a control circuit of the class described, an electro-magnet, a circuit breaker interposed between a current source and the magnet for controlling current flow to the magnet, said magnet being adapted to be energized upon application of current thereto, means to eliminate residual magnetism in the magnet upon breaking of the main circuit, comprising a subsidiary circuit for temporarily reversing the polarity of the magnet, a shunt circuit coupled to the magnet for controlling the subsidiary circuit, and a resistance material connected in the shunt circuit operative upon increased potential across the magnet terminals to increase the current flow in the shunt circuit.

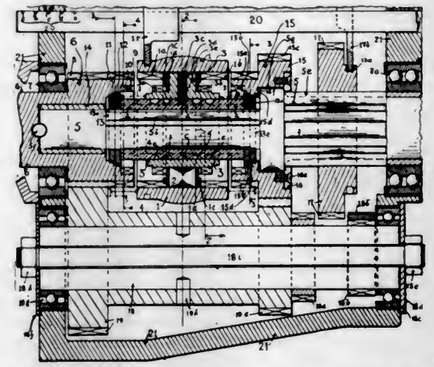
2,181,540
IRRIGATING IMPLEMENT
John W. Adams, Duncan, Okla.
Application August 9, 1937, Serial No. 158,226
2 Claims. (Cl. 47—49)



2. In an irrigating implement adapted for insertion in soil, a casing having upper and lower sections, said lower section formed with discharge apertures, said upper section of a larger diameter than said lower section, said upper section extending over a portion of said lower section and forming a shoulder, said shoulder fashioned with a concave under face and provided with a marginal circumferentially extending cutting edge whereby to cut and pack soil about said lower section subjacent said upper section, said upper section fashioned with a looped upper end constituting a handle for inserting and withdrawing said casing into and out of the soil.

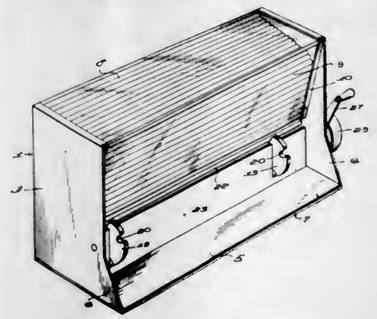
2,181,541
POWER TRANSMISSION MECHANISM
Jean A. H. Barkeij, Altadena, Calif.
Application July 20, 1931, Serial No. 551,980
26 Claims. (Cl. 192—48)

1. The combination of two aligned shafts, the left shaft having an external clutch member on the outside thereof and an internal clutch member on the inside thereof, an overrunning clutch slidably mounted on the right shaft, said overrunning clutch composed of an outer ring and an inner ring and rollers therebetween, said outer ring having an internal clutch member to be meshed with the external clutch member on the left shaft, said inner ring having an external clutch member to be meshed with the internal clutch member of the left shaft, a friction clutch face on the inside of the left shaft to the left of said internal clutch member, a friction clutch face on an element between the inner ring of said overrunning clutch and said right shaft which has a bearing in said left shaft, said element being non-rotatably slidable on said right shaft, resilient means between said inner ring and said element to force said clutch faces on said left shaft and on said element against each other upon a shift of said overrunning clutch to



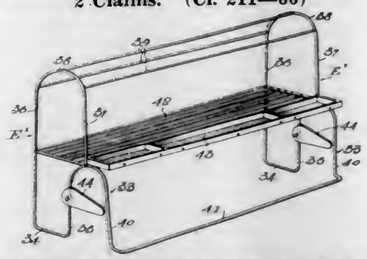
the left prior to meshing the clutch member of the outer ring with the external clutch member of the left shaft.

2,181,542
APPARATUS FOR DISPENSING STRAWS
Charles W. Beamer, Mojave, Calif.
Application October 31, 1938, Serial No. 238,031
1 Claim. (Cl. 312—84)



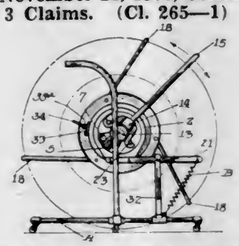
In apparatus of the class described, a casing comprising back and end plates, respectively, an upper front plate extending between said end plates, an angular plate-like member enclosed by said plates and forming together therewith a straw containing hopper having a discharge chute extending along the bottom thereof in depending position, said member being mounted on the back plate for vibration to agitate the straws in said hopper and chute and thereby facilitate discharge of said straws through said chute, and means for conveying the discharged straws forwardly from said chute for grasping by the hand comprising a reel rotatably mounted in said end plates to extend along the bottom of said chute below the same and including a plurality of discs rotatable beneath said chute and peripherally notched to receive in the edges thereof the discharged straws, said discs and notches being constructed and arranged to engage said member and intermittently vibrate the same under rotation of the reel, and a comb plate extending upwardly between said discs to function as a stripper for removing straws from said notches sticking therein when the notches are rotated into substantially lowermost position.

2,181,543
COMBINATION FLOOR AND TUB TOWEL RACKS
George B. Bentz, New York, N. Y.
Application June 7, 1938, Serial No. 212,361
2 Claims. (Cl. 211—86)



1. A towel rack comprising two horizontally spaced vertically elongated frames comprising a vertically elongated arch to straddle a tub wall or rest on a floor, a horizontal rod portion projecting laterally from one leg of said arch, one vertical rod extending upwardly from the outer end of said horizontal rod portion, another vertical rod extending upwardly from the crown of said arch, a connecting portion between the upper ends of said vertical rods, and horizontal rods extending between and secured to said connecting portions of the two frames.

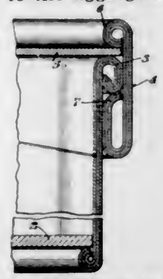
2,181,544
BRAKE TESTING APPARATUS
Wilbur Boley, Seattle, Wash.
Application November 14, 1938, Serial No. 240,391
3 Claims. (Cl. 265—1)



1. In a device of the class described capable of being applied to the wheels of a motor vehicle equipped with brakes, a testing unit having means connected therewith for automatically centering said unit relative to the hubs of said wheels, said means including a portable carriage and a spring controlled floating ring carried thereby carrying said unit, means carried by said unit for gripping a wheel, means carried by said unit for applying torque to the unit, and indicating means mounted on said unit whereby said torque may be registered to indicate the pressure applied thereto.

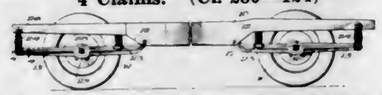
2,181,545
CONTAINER AND CLOSURE THEREFOR
Albion M. Boothby, Newton, and Marshall E. Gazette, Boston, Mass., assignors, by mesne assignments, to President and Directors of The Manhattan Company, New York, N. Y., a corporation of New York, as trustee for Gibson Patent Containers, Ltd.
Application October 23, 1936, Serial No. 107,120
7 Claims. (Cl. 229—5.5)

1. A container closure comprising a circular peripheral closure band formed of a plurality of plies of spiral wound paperboard material provided at each respectively opposite edge with an inwardly extending peripherally continuous resilient bead and a closure end positioned between said beads, the inner edges of said beads in an axial direction being spaced apart a distance substantially equal to the aggregate thickness in an



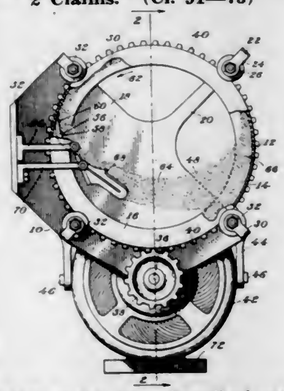
axial direction of said closure end and of an outwardly extending bead on the container for which said closure is adapted.

2,181,546
VEHICLE BODY MOUNTING
Charles E. Bradshaw, Wellville, Va., assignor of one-third to Charles Martin, Wellville, Va.
Application August 27, 1938, Serial No. 227,189
4 Claims. (Cl. 280—124)



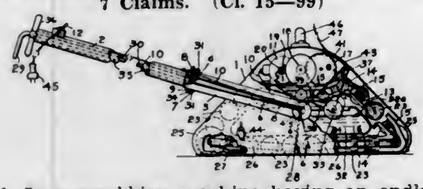
1. In a vehicle comprising a chassis frame having rigid side sills and an end member connecting said sills, ground wheels, and an axle for said wheels, means for yieldingly supporting said frame on said wheels, said means comprising a longitudinally extending arm for each wheel pivoted at one end to a side sill, a transverse arm pivoted at one end on the opposite end of the longitudinal arm and pivotally attached at its opposite end to said end member, and springs interposed between said arms and frame, said springs being located adjacent points of attachment of the respective arms to the frame and adjacent the connection between the two arms, said axle being located intermediate the springs between the longitudinal arms and frame and the springs between the connected ends of the arms and frame.

2,181,547
ABRASIVE WHEEL
Joseph Burns, Milwaukee, Wis.
Application August 24, 1938, Serial No. 226,567
2 Claims. (Cl. 51—73)



1. A device of the type described comprising a drum mounted for rotation, said drum including a comminuted abrasive collecting face, means for rotating the drum; and an abrasive deflecting means located inside the drum for deflecting the abrasive out of its normal course in the form of an abrading stream across the drum for collection on its opposite side.

2,181,548
SCRUBBING MACHINE
Helen May Gorey, New York, N. Y.
Application April 19, 1935, Serial No. 17,200
7 Claims. (Cl. 15—99)

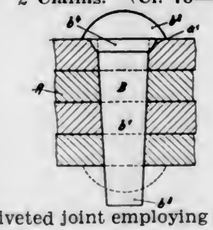


1. In a scrubbing machine having an endless train of floor contacting scrubbing rollers of spongy material and means driving said rollers to revolve and move them progressively and a tank over which said rollers pass, a wringer roll vertically adjustable in relation to said tank to contact the liquid level therein while contacting the surface of said scrubbing rollers as they progress in their travel over said tank to wet said scrubbing rollers when said wringer roll is lowered and to wring the moisture from said scrubbing rollers by applying pressure against said rollers by and when said wringer roll is raised out of the liquid in said tank and a housing supporting said rolls, said driving means and said tank.

2,181,549
PROCESS FOR THE IMPROVEMENT OF TEA FREE FROM OR POOR IN CAFFEINE AND IMPROVED DECAFFEINIZED TEA
Theodor Grethe, Hamburg, Germany
No Drawing. Application March 30, 1938, Serial No. 198,959. In Germany April 5, 1937
10 Claims. (Cl. 99—76)

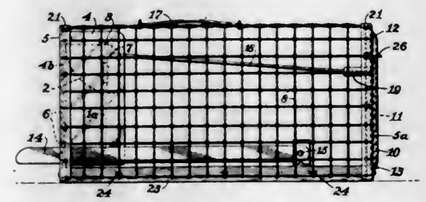
1. Process for treating leaf tea from which the caffeine has been removed at least in part, but which contains tannin set free by such removal of caffeine from the caffeine-tannin complex previously contained in the leaf tea, said process comprising treating such leaf tea, containing said free tannin set free from the caffeine-tannin complex, with a material which forms with said free tannin an odorless and tasteless compound and which does not unfavorably influence the taste or odor of the tea.

2,181,550
RIVETED JOINT
Wilhelm Haupt, Dortmund-Hoerde, Germany
Application November 21, 1936, Serial No. 112,164
In Germany December 7, 1935
2 Claims. (Cl. 78—54)



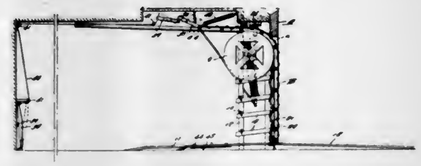
1. In a riveted joint employing rivets with relatively long shanks, a plurality of lapped plate members having a tapered aperture extending through at least a part of said members, a bell mouth recess extending into one of said outer members, and a rivet having a tapered shank seated in said aperture, said bell mouth recess receiving the material of the rivet shank after it has been upset and expanded by the riveting operation.

2,181,551
ANIMAL TRAP
Alfred J. Hayden, Port Orange, Fla.
Application May 21, 1938, Serial No. 209,351
11 Claims. (Cl. 43—61)



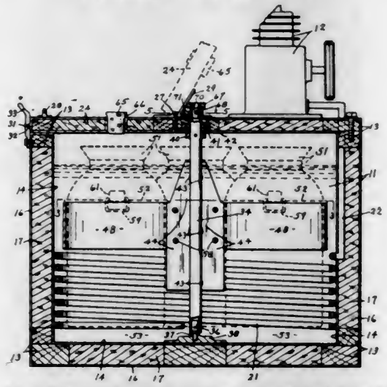
1. In combination an animal trap, a housing providing a main chamber and a bait chamber at one end of the main chamber with a communicating opening between said chambers, a trigger member vertically disposed in said communicating opening and pivotally mounted at its upper end for swinging movement relative to said chambers, a door in said housing at the opposite end of the main chamber, and a rod for controlling said door, said rod being secured to said trigger, said trigger being of a form to completely obstruct the said communicating opening against passage of the animal or access of the animal to the bait chamber except by moving the trigger.

2,181,552
VEHICLE OPERATED OVERHEAD DOOR
Adam Herr, Sheboygan, Wis., assignor of one-half to John Herr, Sheboygan, Wis.
Application December 9, 1938, Serial No. 244,849
2 Claims. (Cl. 268—31)



1. In a door structure, track members including vertical and horizontal sections and arcuate parts between the sections, a flexible door having edge parts moving over the track sections, treadles, an upright, a plurality of arms arranged in a vertical row, each having one end pivoted to the upright, inclined plates connected to the other ends of the arms, links connecting the plates together, means conecting the lower plate to the adjacent ends of the treadles, a member supported for rocking movement and having a short arm and a depending long arm, means for connecting the short arm to the upper plate, a link connecting the lower end of the long arm to the upper end of the door and a spring arrangement connecting the lower end of the long arm to a stationary part.

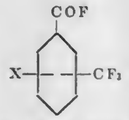
2,181,553
MILK COOLER
Vernon William Hiller, Clay, N. Y.
Application August 16, 1937, Serial No. 159,265
8 Claims. (Cl. 62—141)



8. A milk cooler comprising a vat adapted to receive a plurality of milk cans, means for cooling a liquid in the vat, means for engaging such cans for retaining them in a substantially submerged condition even when empty, thereby maintaining the liquid in the vat at a constant level, means by which milk may be introduced into the cans while they are in the submerged condition, and means for circulating said cans in the vat.

2,181,554
BENZENECARBOXYLIC ACID FLUORIDES CONTAINING TRIFLUOROMETHYL GROUPS AND PROCESS OF PREPARING THEM
Herbert Kracker, Otto Scherer, Fritz Müller, and Willy Schumacher, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 13, 1937, Serial No. 136,666. In Germany April 18, 1936
5 Claims. (Cl. 260—544)

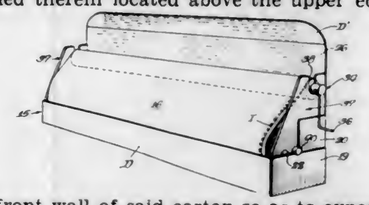
3. The compounds of the following general formula:



wherein X stands for a member of the group consisting of hydrogen, halogen, a CF_3- and a COF-group, being colorless liquids and giving the reactions usual for acid halides.

2,181,555
COMBINED SHIPPING, DISPENSING, AND DISPLAY DEVICE
Harold Warp, Chicago, Ill.
Application November 21, 1938, Serial No. 241,531
20 Claims. (Cl. 206—58)

1. A combined shipping, display and dispensing assembly comprising a carton openable to form a display device, a roll of dispensable material in said carton, a winding device having means for securing an end of the material thereto for winding of the same thereon, said means being releasable to permit longitudinal withdrawal of said winding device from the roll of material wound thereon, and a supporting device for said winding device having a portion located at each end of said carton having bearings for said winding device formed therein located above the upper edge of

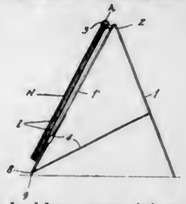


the front wall of said carton so as to expose the material to view when said roll is in said carton and the free end of the material is secured in said winding device, said supporting device including means whereby the end structure of said carton supports said winding device in operable position.

2,181,556
FIBROUS MATERIAL
Sidney D. Wells, Combined Locks, Wis., assignor of one-half to Gerald D. Muggleton, Appleton, Wis.
No Drawing. Application February 9, 1935, Serial No. 5,847. Renewed April 14, 1939
1 Claim. (Cl. 92—3)

A paper which is strong and dense in structure, said paper consisting of from 85 to 50% waste paper stock, and from 15 to 50% non-fibrous pithy material from which the fibrous portions have been substantially removed, said pithy material being obtained from processed plant material.

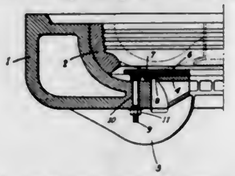
2,181,557
STENOGRAPHER'S NOTEBOOK COVER AND HOLDER
John H. Becker, St. Louis, Mo., assignor to E. K. Davis, St. Louis, Mo.
Application December 27, 1937, Serial No. 181,795
1 Claim. (Cl. 281—33)



A notebook holder comprising a pair of hinged covers, securing means adjacent to the hinge line of the covers for engagement with a notebook, a ribbon having its ends fixedly secured to the covers and arranged taut on the outside thereof when the covers are folded together, and a notch in one cover to receive said ribbon for taking up the slack in the ribbon to maintain the covers in erected position.

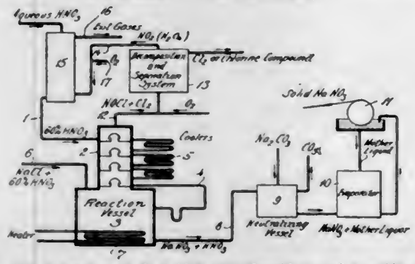
2,181,558
PRESSURE PLATE ATTACHMENT FOR RETREAD MOLD
George O. Beckman, Lodi, Calif., assignor to Super Mold Corporation, Lodi, Calif., a corporation of California
Application March 16, 1938, Serial No. 196,205
9 Claims. (Cl. 18—18)

1. A tire mold comprising a ring-like body, a recap matrix in said body, said body extending radially inward beyond said matrix, a fixed pressure plate rigid with the body on one side thereof and disposed radially inward of the inner periphery of the body in position to bear against



the side wall of a tire and a ring-like attachment pressure plate projecting laterally inward from the fixed plate and extending into the body and radially out from said fixed plate a predetermined distance.

2,181,559
PROCESS FOR PRODUCING A NITRATE
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application May 18, 1937, Serial No. 143,245
2 Claims. (Cl. 23—102)



1. In a process for the production of a nitrate by heating a reaction mixture of nitric acid, water and metal chloride to its boiling point to cause the acid and chloride to react to form metal nitrate and evolve a moist gaseous mixture substantially consisting of water vapor, nitrosyl chloride and chlorine, the improvement which comprises passing the evolved nitrosyl chloride and chlorine with accompanying water vapor in direct contact with aqueous nitric acid containing 40% or more HNO_3, all of which aqueous nitric acid is introduced into contact with said moist gaseous mixture at a temperature of 30° C. or lower, contacting said nitric acid with the moist gaseous mixture without extraneously heating the nitric acid, thereby cooling the gaseous mixture and condensing therefrom most of the water vapor contained therein, withdrawing from contact with said acid a gaseous mixture substantially consisting of nitrosyl chloride and chlorine, then incorporating the resulting nitric acid solution, containing the water condensed from said gases, in a reaction mixture of nitric acid, water and metal chloride which is heated to its boiling point to form additional metal nitrate, nitrosyl chloride and chlorine.

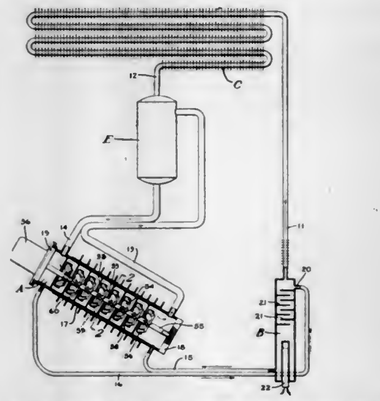
2,181,560
ELECTRICAL TESTING SYSTEM
Frank E. Blount, Cedar Grove, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 1, 1937, Serial No. 151,406
19 Claims. (Cl. 179—175.2)

1. A testing device for testing a circuit path, said device comprising a source of alternating current, a condenser connected in series with said source and the circuit path under test, a three-element gas-filled tube of the cold elec-



trode type, the control elements of said tube being connected to opposite terminals of said condenser, and a test relay, said relay being connected in series with the anode and one of the control elements of said tube.

2,181,561
ABSORPTION REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 25, 1936, Serial No. 81,676
6 Claims. (Cl. 62—119.5)

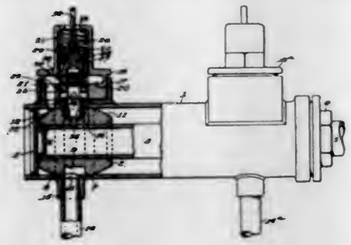


1. In an absorption refrigerating system of the type having an absorber and a boiler in open communication, the combination with said absorber and boiler of power driven liquid pumping means, an analyzer and connecting conduits, the arrangement being such that absorption liquid flows by gravity from the absorber through the analyzer and boiler and absorption liquid flows from said boiler to said liquid pumping means to be lifted by said pumping means upwardly through the absorber.

2,181,562
FLUID ACTUATED OPERATING MECHANISM
Carl de Ganahl and Wilson L. Sutton, Bristol, Pa., assignors to Fleetwings, Inc., Bristol, Pa., a corporation of Delaware
Application March 19, 1938, Serial No. 197,043
11 Claims. (Cl. 121—40)

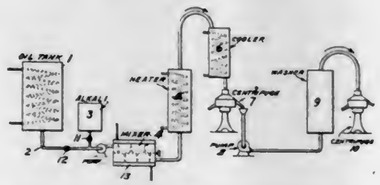
1. In combination with a cylinder and a fluid actuated piston slidable therein and having a surface disposed substantially normal to the cylinder axis, a spring pressed latch disposed adjacent one limit of the piston travel, projectable into the cylinder to engage said piston surface and having a bore and a plurality of fluid passages communicating therewith, means providing a chamber proximate the latch, one of said fluid passages

being adapted when the latch is in one position to interconnect through the chamber the adjacent end of the cylinder and a port communicating with a source of fluid pressure, and when



the latch is in another position to interrupt said connection and means carried by the latch controlling another of said passages to inhibit the flow of fluid therethrough in one direction when the latch is in either of said positions.

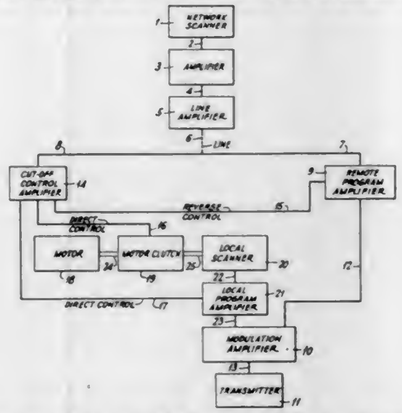
2,181,563
PROCESS OF REFINING VEGETABLE AND ANIMAL OILS
Olof Einar Fröding, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application September 2, 1937, Serial No. 162,100
In Sweden October 8, 1936
3 Claims. (Cl. 260—425)



1. In the process of refining vegetable and animal oils wherein the oil is mixed with a saponifying agent to effect saponification of fatty acids contained in the oil and heated through a considerable range of temperature and the oil then separated from undissolved soaps, the improvement which comprises interposing between the mixing and heating procedure and the separation of the oil from the soaps a cooling step in which the mixture is cooled through the major part of the temperature range through which it was heated to thereby increase the proportion of undissolved soaps before separation and substantially reduce the proportion of soaps in the subsequently separated oil.

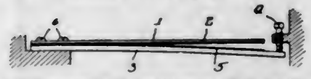
2,181,564
SIGNALING SYSTEM
Alfred N. Goldsmith, New York, N. Y.
Application October 29, 1936, Serial No. 108,132
20 Claims. (Cl. 178—5)

1. In a transmission system, a transmitter, means for producing locally a sequence of intelligence signals, means for receiving at the transmitter a series of intelligence signals remotely initiated, means for normally controlling the transmitter by the locally developed intelligence signals, and means responsive to the received remotely initiated signals for completely interrupting the transmission of the locally produced signals for the full period of remotely originated signal transmission and means for transmitting



the remotely initiated signals from the first named transmitter.

2,181,565
MICROPHONE
Walter H. Huth, Chicago, Ill., assignor to Aurex Corporation, Chicago, Ill., a corporation of Illinois
Application August 30, 1937, Serial No. 161,567
7 Claims. (Cl. 179—143)

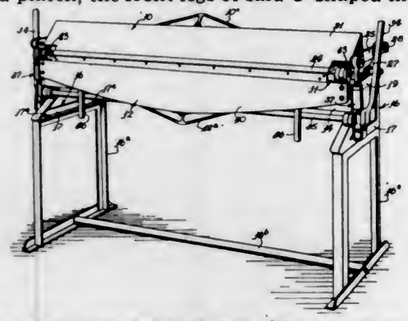


1. In a microphone instrument a pair of resistance surfaces forming relatively movable electrodes in the circuit of the instrument, each surface conforming to the other so as to make an optical fit, at least one electrode having its surface formed by a thin metal coating, and means to vibrate the electrodes relatively to each other, to vary the contact between them, and thereby vary the resistance of said circuit.

2,181,566
PORTABLE BENDING BRAKE
John Jensen, Rockford, Ill., assignor to Whitney Metal Tool Company, Rockford, Ill., a corporation of Illinois
Application June 29, 1936, Serial No. 87,919
3 Claims. (Cl. 153—16)

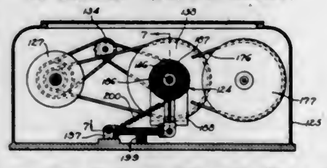
1. A portable sheet metal bending brake comprising, in combination, a bed including a rigid horizontal beam, a supporting frame work for said bed including substantially U-shaped members formed from continuous lengths of metal attached to the ends of said beam, the base portions of said U-shaped members being located closely adjacent said beam to minimize the height of the brake and being elongated from front to rear to impart a high degree of stability to the brake, the small height of the brake permitting ready portability thereof and alternative mounting on either a suitable frame work or bench, a platen pivotally mounted on said frame work, means including an operating mechanism located wholly above said bottom portions of said U-shaped members for swinging said platen toward and away from said bed to clamp a sheet of metal therebetween, and an apron hingedly mounted on said beam and swingable toward said platen to

bend a sheet of metal clamped between said bed and platen, the front legs of said U-shaped mem-



bers being provided with inwardly extending offset portions therein adapted to accommodate said apron when in its lowermost position.

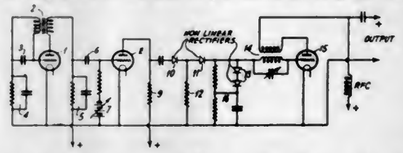
2,181,567
VARIABLE SPEED UNIT
Carl E. Johnson, Pasadena, and Earl Mendenhall, Los Angeles, Calif.
Continuation of application Serial No. 677,863, June 27, 1933. This application February 19, 1938, Serial No. 191,442
15 Claims. (Cl. 74—230.17)



2. In combination: a drive shaft; a primary pulley means of the adjustable V-type on said drive shaft; a countershaft; means for rotatably mounting said countershaft in floating relationship; a secondary pulley means of the adjustable V-type on said countershaft; a belt means connecting said primary and secondary pulley means; a tertiary pulley means operatively connected to said secondary pulley means and being of the adjustable V-type, said tertiary pulley means being mounted on said countershaft; a driven shaft; a quaternary pulley means of the adjustable V-type connected to said driven shaft, each of said pulley means including a pair of flange members one of which is movable toward and away from the other; a belt means connecting said tertiary and quaternary pulley means; an adjustment means individually associated with each of said pulley means and mechanically interconnecting said flange members of its corresponding pulley means; and control means operatively connected to said adjustment means associated with said primary, secondary, tertiary, and quaternary pulley means for simultaneously operating all of these adjustment means.

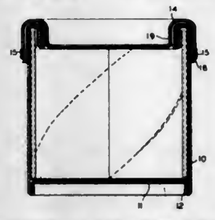
2,181,568
IMPULSE OR PULSE TRANSMITTER
Paul Kotowski, and Siegmund Sonnenfeld, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 13, 1937, Serial No. 120,328
In Germany February 4, 1936
8 Claims. (Cl. 250—36)

1. In an impulse generating system the combination of, a wave generator which is normally inoperative, a source of wave energy of substantially sine wave form, a circuit including wave form distorting means coupling said source to said generator to recurrently render said generator operative at the rhythm of said generating



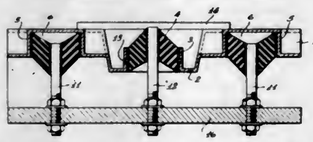
wave energy, an amplifier coupled to said generator to amplify the impulse produced thereby, and a circuit including wave form distorting means coupling said amplifier to said source to recurrently control the gain of said amplifier at the rhythm of said wave energy.

2,181,569
CONTAINER
Dorothy Elsie Mackenzie, Brooklyn, N. Y.
Application November 19, 1936, Serial No. 111,603
5 Claims. (Cl. 229—14)



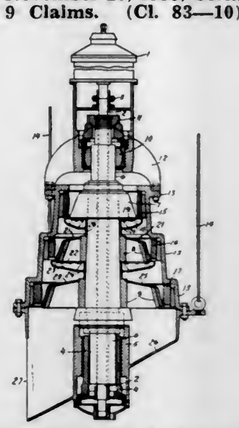
2. In a container, a seamless Cellophane lining shaped to conform substantially to the shape of the inside of a container by means of a series of tucks formed on the outside of the lining, and means separate from the container about which said tucks may be folded to support said lining in the container.

2,181,570
TROLLEY BASE
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application October 31, 1936, Serial No. 108,567
3 Claims. (Cl. 248—350)



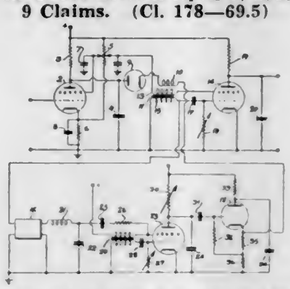
1. The combination of a trolley base platform having a downwardly facing cup-shaped depression at each corner thereof, a cylindrical rubber shear spring in each of said depressions, said springs each comprising segments, each of said segments comprising a semicylinder of rubber and a metallic shell over the outer surface thereof, each of said shells being slightly less than 180° in circumference whereby the rubber segments may be placed under compression upon assembly thereof, said cup-shaped depressions each being of such diameter that said metallic shells are in pressure engagement therewith when said springs are inserted therein.

2,181,571
CRUSHING MACHINERY
Sheldon Stearns, Westfield, N. J.
Application November 10, 1936, Serial No. 110,035
9 Claims. (Cl. 83—10)



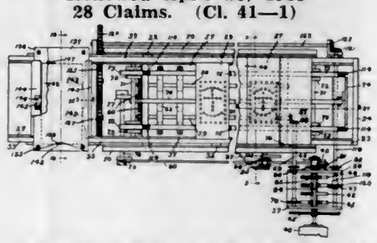
3. In a multi-stage gyratory crusher, a gyrating shaft, a plurality of crushing heads mounted on said shaft, stationary concaves coacting with said heads to form successive crushing stages of increasing diameters from the intake to the final discharge of the crusher, conveying surfaces positioned beneath the discharge of the stage or stages preceding the final crushing stage to receive the material discharged from the next preceding stage, means connecting said conveying surfaces to said gyrating shaft whereby the conveying surfaces will be gyrated, screens between the discharge of said gyrating conveying surfaces and the inlet of the succeeding crushing stage, said screens having openings therein equal to or less than the minimum discharge opening of the succeeding crushing stage, said crusher provided with passage-ways leading from beneath the screens past the discharge of the succeeding stage to by-pass material falling through the screens.

2,181,572
TELEVISION AND LIKE SYSTEM
Michael Bowman-Manifold, Worplesdon Station, and William Spencer Percival, Hanwell, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a British company
Application April 17, 1936, Serial No. 74,944
In Great Britain April 9, 1935
9 Claims. (Cl. 178—69.5)



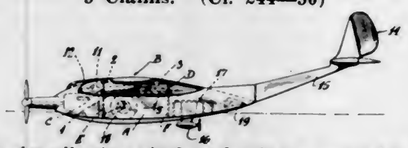
7. The method of television transmission which comprises interlacedly scanning an image area to generate wave trains of picture signal energy having time intervals separating successive trains, transmitting line synchronizing signals each of substantially constant frequency and wave form in each of said intervals, initiating field traversal synchronizing signals substantially simultaneously with the beginning of certain of said line synchronizing signals, transmitting said field traversal synchronizing signals in each of the intervals between successive field traversals, each field traversal signal being of a wave form different in length from that preceding and succeeding it and also from the line synchronizing signal, generating at a receiving point a field traversal scanning oscillation, and controlling the generated scanning oscillation at the receiver in accordance with the length of the transmitted field traversal signals so that the lines traced in successive field traversals are interlaced one with the other.

2,181,573
MEANS FOR AFFIXING JEWELS IN PERFORATED PLATES
Frank S. Bunker, Los Angeles, Calif., assignor to Arthur U. Magnan, Los Angeles, Calif.
Application November 3, 1936, Serial No. 108,958
Renewed April 26, 1939
28 Claims. (Cl. 41—1)



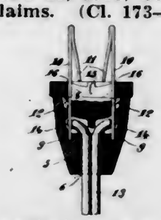
11. In a machine for the purpose specified, an elongated frame, guide-rails extending longitudinally of the frame, a plurality of regularly-spaced conductor plates, spacing plates between the conductor plates, all of said plates, when assembled, forming a continuous table supported by said frame, a frame movable over said table, and carrying a plurality of containers for beads, the beads rolling upon the table as the containers are moved and the containers being spaced in accordance with the spacing of the conductor plates so that each of said plates has its own container, means for moving the container frame back and forth to carry the containers over the respective conductor plates, the beads in each container having some characteristic which distinguishes them from the beads in the other containers, a plurality of carrier plates normally resting on said guide-rails and having perforations, the perforations in all the conductor and carrier plates being so arranged as to form the same design and the perforations in the conductor plates being larger in diameter than the beads, means associated with each of the conductor plates for closing all of the perforations in said plates except those which are to receive the beads from the respective containers, means for simultaneously moving the carrier plates step by step in spaced relation on said guide-ways and bringing them to rest, each beneath a conductor plate, means for simultaneously lifting said carrier plates into face-to-back contact with the respective conductor plates with the perforations in the conductor and carrier plates in registration and for holding them in such contact while the containers are moved over the conductor plates, whereby beads from the containers are dropped into the uncovered perforations in the respective conductor plates and are brought to rest over the perforations in the respective carrier plates, said means for lifting the carrier plates then operating to lower said plates to the guide rails and the means for moving the carrier plates on the rails then operating to move said plates another step to new positions under the conductor plates.

2,181,574
ALL-WING AIRPLANE WITH SEPARABLE FLOTATION SECTION
Vincent J. Burnelli, Keyport, N. J., assignor to Burnelli Aircraft, Limited, Keyport, N. J., a corporation of Delaware
Application March 29, 1938, Serial No. 198,648
5 Claims. (Cl. 244—50)



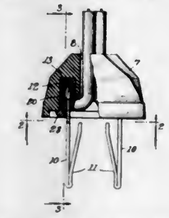
3. An all-wing airplane having a central load-carrying section that is so constructed as to be floatable on water, forward and rear spars in said section, lateral wing sections releasably connected with said central section, to constitute therewith supporting means in flight, an aerial power plant carried by said central section in advance of said forward spar, said central section provided with a well in its under surface, located rearwardly of said rear spar, and a marine power plant that is normally housed in said well and adapted to be extended therefrom for water propulsion, the respective forward and rear locations of said power plants providing weight distribution that assists in promoting longitudinal stability.

2,181,575
ATTACHMENT PLUG
Nathan Chirelstein, Chicago, Ill.
Application June 13, 1938, Serial No. 213,309
2 Claims. (Cl. 173—361)



1. An attachment plug, comprising a plug body having a chamber with spaced substantially parallel opposed end walls in the front of the same and a cord passage extending from said chamber through the back of the plug body, said spaced substantially parallel end walls of said chamber having abruptly shouldered recesses therein, contact blades of flat strip stock seated in said chamber with the backs of the same against said opposed end walls, said blades having lugs projecting from the backs of the same and engaged in said abruptly shouldered recesses, the outer end portions of said flat strip blades projecting from said chamber and doubled back inwardly toward each other into spring tipped portions which reach back to substantially the front end of the plug body and a generally rectangular block of insulating material of substantially the cross-sectional shape of the chamber space between said blades, to thereby hold said blades spaced with the lugs projecting from the backs of the blades engaged in the abruptly shouldered recesses and the inner opposed faces of the blades being clear to permit the forcing of said block between the opposed spring tips of the blades into position fully seated in the chamber with the front end of the same back of the ends of said spring tips and whereby said ends of the spring tips overstand the outer end of said block and prevent withdrawal of the same from a position holding the blades spaced apart in interlocked engagement with the plug body.

2,181,576
ATTACHMENT PLUG
Nathan Chirelstein, Chicago, Ill.
Application November 5, 1938, Serial No. 238,967
2 Claims. (Cl. 173—361)

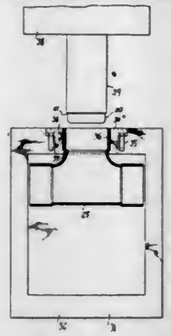


1. An electrical plug of the character disclosed, comprising a rigid plug body having a cord passage with blade receiving seats at opposite sides of the same, said blade receiving seats being separated from the cord passage by walls having rounded edges and said plug body having narrower wire locating grooves at the outer sides of said blade receiving seats with sharply angled corner edges at the outer ends of the same opposed to said rounded edges at the inner sides of the blade receiving seats, insulated wires in said cord passage and having doubled portions disposed in said blade receiving seats and with the outer end portions of the same lying in said wire locating grooves and with the insulation of the wires looped over said rounded edges at the inner sides of the seats and squeezed by said sharply angled edges at the outer sides of the seats, contact blades of substantially the same width throughout driven in said seats over said doubled portions of the insulated wires, said blades having notched inner ends engaged over the doubled portions of the wires and having narrower integral lugs located wholly between the side edges of the blades, said lugs being partially severed from the blades and struck outward toward said sharply angled corner edges at the outer ends of the wire locating grooves, said outwardly struck portions of said narrow lugs having sharply angled corner edges opposed to said sharply angled corner edges of the plug base to scrape the insulation away from the adjoining sides of the thus located wires when the blades are driven into the plug body, said insulation scraping edges of said narrow lugs lying in mechanical and electrical engagement with the scraped sides of the wires.

2,181,577
METHOD FOR SIZING THE TERMINALS OF PIPE FITTINGS
Eugene M. Cartwright, North Woodbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application June 22, 1938, Serial No. 215,177
4 Claims. (Cl. 29—157)

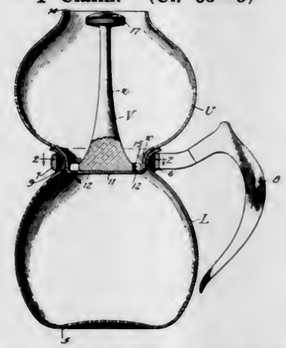
1. A method of sizing pipe-fitting terminals, comprising: forcibly inserting into an unsized

terminal of a pipe fitting, a mandrel of predetermined diameter larger than that of the interior surface of the said terminal; in removing the said mandrel from the terminal thus expanded; in inserting into the said terminal thus expanded another mandrel of predetermined diam-



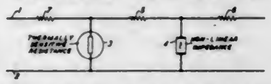
eter slightly less than the diameter of the first-mentioned mandrel; and in ironing out the exterior surface of said terminal on the second-mentioned mandrel by a constricting draw-die of predetermined diameter less than that of the exterior surface of the terminal after it is expanded.

2,181,578
COFFEE BREWER
Harvey Cory, Chicago, Ill.
Application April 7, 1938, Serial No. 200,714
1 Claim. (Cl. 53—3)



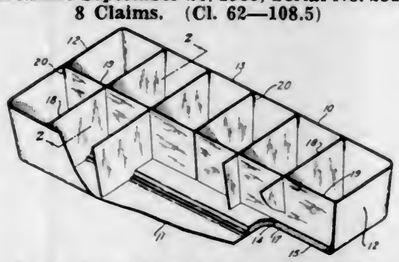
In a drip coffee utensil, the combination of two wide-mouthed bowls one of which is formed at its bottom to seat within the mouth of the other when in superposed relation thereto, and a valve unit comprising an outwardly flaring base loosely seated upon the bottom of the upper bowl and adapted to rotate concentrically therewithin, said unit having an upwardly tapering operating handle extending unsupported within the upper bowl to a point close to the wide mouth thereof for convenient manipulation, the bottom of the upper bowl and the periphery of the valve base being each formed with an annular series of apertures therethrough adapted when the valve unit is in different rotative positions to open or close the apertures to the interior of the lower bowl, the base of said valve and bottom of said upper bowl cooperating adjacent the periphery of said base to support a quantity of ground coffee relative to the apertures in said base, whereby drip of coffee infusion into the lower bowl may be controlled.

2,181,579
SIGNAL TRANSMISSION LINE
Austen M. Curtis, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1938, Serial No. 246,155
10 Claims. (Cl. 178—44)



1. In combination, a signal transmission line, two peak limiter impedance elements on said line for limiting the peaks of the signals, each of said limiter impedance elements being operated by waves of the same amplitude, one of said impedance elements being relatively quick-acting and the other impedance element being relatively slow-acting.

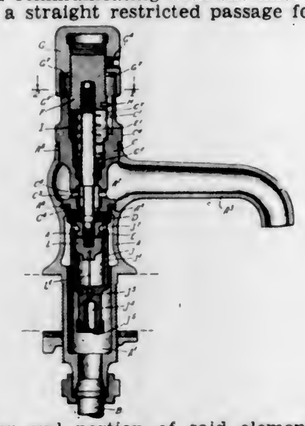
2,181,580
ICE TRAY
Richard R. Fitzsimmons, Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 26, 1938, Serial No. 231,679
8 Claims. (Cl. 62—108.5)



1. An ice tray adapted to be positioned on the evaporator shelf of a domestic refrigerator in combination with temperature responsive automatic means for simultaneously releasing the tray from the shelf and ice from the tray.

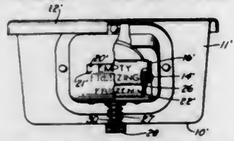
2,181,581
SELF-CLOSING MEASURING VALVE
James Fraser, Edge Moor, Del., assignor to Speakman Company, Wilmington, Del., a corporation of Delaware
Application July 2, 1938, Serial No. 217,152
3 Claims. (Cl. 251—138)

1. A self-closing, measuring basin supply faucet, comprising a casing element formed with a lower inlet chamber, an upper outlet chamber, a chamber connecting portion, and a wall opening above said outlet chamber and a lateral discharge spout opening from said outlet chamber, and a valve mechanism unit removably mounted in said element and comprising a member extending through said wall opening and across said outlet chamber and into said connecting portion, and forming a partition between said chambers with a valve controlled port therein, a valve movable downward away from, and biased for movement upward into engagement with said member to thereby open and close respectively and having a valve stem extending upwardly through said member, a plunger telescopically movable in the upper end portion of said member and connected to said valve stem, a push button mounted on and adjustable axially of said plunger to thereby regulate the extent of opening movement of the valve which is terminated by engagement of said plunger and member, a hollow element detachably secured to said member and extending downwardly therefrom into said inlet chamber and comprising a timing chamber coaxial with said member and in free communication at its upper end with said inlet chamber and with said port when said valve member is out of its closed position, and communicating with the inlet chamber through a straight restricted passage formed in



the lower end portion of said element, and a piston device connected to said valve and adapted to permit the relative free movement of liquid from the lower end of said timing chamber upward past said device on down movement of the valve, and to form a barrier to the flow of liquid downward past said device into the lower end of said chamber on up movement of said valve.

2,181,582
ICE TRAY
Dale C. Gerber, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 26, 1938, Serial No. 231,624
9 Claims. (Cl. 62—108.5)



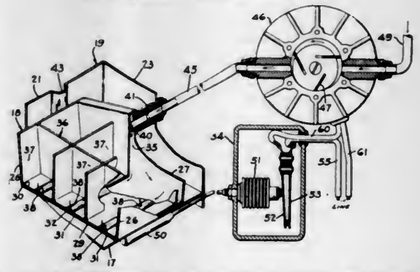
1. A freezing tray adapted to contain a material to be frozen in combination with means for indicating the condition of the material within said tray, and discernible indicia carried by said indicating means.

2,181,583
RAILWAY CAR CONSTRUCTION
Garth G. Gilpin, Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application August 21, 1937, Serial No. 160,209
5 Claims. (Cl. 105—404)



1. In a railway car construction including a side wall truss having side wall posts, a side plate attached to said posts to form the top chord of said truss, and a roof secured to and supported by said side plate; said side plate comprising two lightweight metal sheets extending substantially the entire length of said truss and secured along their lower margins to the respective inner and outer sides of said posts, at least the outer sheet converging toward and joining the other to form said top chord as a hollow beam, and one of said sheets having at least a portion thereof shaped in conformity with the undersurface of said roof and supporting said roof vertically above said side plate.

2,181,584
REFRIGERATION
Alfred G. Gross, Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application February 3, 1938, Serial No. 188,412
17 Claims. (Cl. 62—108.5)



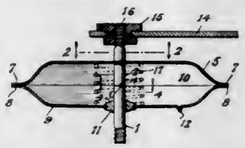
1. In a refrigerator, a cooling unit, an ice tray removably disposed in heat transfer relationship with said cooling unit, means in said tray providing a passageway for fluid to the contents of said tray, and pumping means communicating with said passageway and with the interior of said refrigerator, said pumping means operating to remove refrigerated air from said refrigerator and to force the same through said passageway into the contents of said tray to remove occluded gases from water being frozen therein.

2,181,585
HANGER FOR SCREENS AND STORM SASH
Karl F. Nothdurft, Detroit, Mich.
Application May 26, 1937, Serial No. 144,769
1 Claim. (Cl. 16—172)



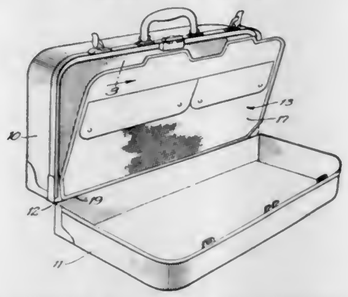
A frame engaging bracket for use in connection with a sash engaging bracket, said frame-engaging bracket having an attaching base adapted to be secured against the outer surface of a side portion of a frame into which a sash fits with a selected end of the base uppermost, an outstanding arm along a side edge of said base formed with recesses leading from its opposite ends in staggered relation to each other, said recesses being substantially V-shaped and defining hooks engageable through an opening of the sash-engaging bracket when the frame-engaging bracket is secured to the frame with a selected end of its arm uppermost, and said hooks having bills formed with inner edges extending diagonally towards the attaching base with the inner edge of one bill spaced outwardly from the base a greater distance than the inner edge of the other bill whereby, by securing the frame-engaging bracket with a selected end uppermost the sash may be applied to wooden or brick buildings.

2,181,586
CIRCUIT BREAKER
George H. Perryman, Union City, and Paul Schwerin, Rutherford, N. J.
Application September 10, 1938, Serial No. 229,238
3 Claims. (Cl. 200—144)



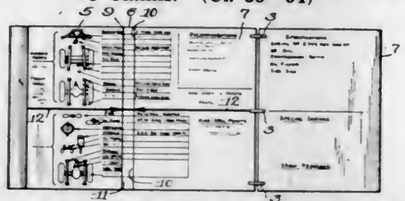
1. In a circuit breaker, a sealed metal casing in which a high vacuum is maintained, said casing comprising a pair of dished members, juxtaposed marginal flanges at the edges of the dished members in planes substantially parallel to the planes of said dished members and secured together, one of said dished members being flexible and constituting a diaphragm, a contact carried centrally of said flexible member and having portions respectively disposed inwardly and outwardly of the casing, a second cooperating contact carried centrally of the other dished member and having an inner end of the contact cooperating with the contact carried by the flexible dished member and an outer end disposed outwardly of the casing and means for insulating the second contact from the flexible dished member.

2,181,587
PARTITION FOR LUGGAGE
Joseph H. Plotkin, Chicago, Ill., assignor to S. Dresner & Son, Inc., Chicago, Ill., a corporation of Illinois
Application April 2, 1938, Serial No. 199,545
1 Claim. (Cl. 190—51)



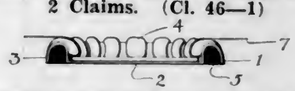
In a luggage bag having two complementary hinged sections, a partition disposed between the sections for separating the two compartments formed by the sections, said partition comprising a frame of wire conforming substantially to the configuration of the bag sections and provided at its ends with inwardly extending bends forming recesses opening outwardly, latch engaging pins located within the recesses and rigidly connected to the inner portions of said bends, a fabric body consisting of two sheets of fabric stretched taut within the frame with the marginal edges of the sheets extended over and around the wire and back upon the fabric for connection therewith, the fabric being extended beyond one side of the frame to provide a flexible attaching strip, and means for connecting the attaching strip to the bag whereby to provide a hinged mounting for the partition between the complementary sections of the bag.

2,181,588
SERVICE MANUAL OR GUIDE
Judson A. Purvis, Chicago, Ill.
Application July 6, 1937, Serial No. 152,025
3 Claims. (Cl. 35—54)



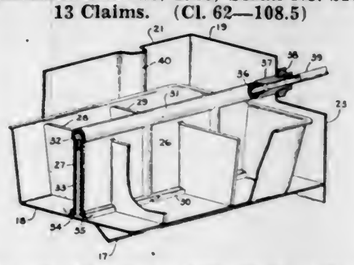
1. A guide for servicing vehicles of various makes and models having common parts and servicing operations, comprising a backing, a master chart pivoted to one edge of the backing and containing pictorial illustrations and designations of the chassis points and the special points requiring servicing that are common to the various makes and models, a series of sheets pivoted to another edge of the backing and each sheet being adapted to be folded upon the backing to abut the chart and containing detailed information concerning the fittings or parts and instructions relating to the parts to be lubricated on each of the various makes and models, and aligning means on the master chart and each of the sheets so that when a sheet is folded into abuting relation with the master chart, the detailed information and servicing instructions thereon become aligned with the illustrated parts and designations on the chart.

2,181,589
TOY
David Silvette, Henrico County, Va.
Application February 21, 1939, Serial No. 257,592
2 Claims. (Cl. 46—1)



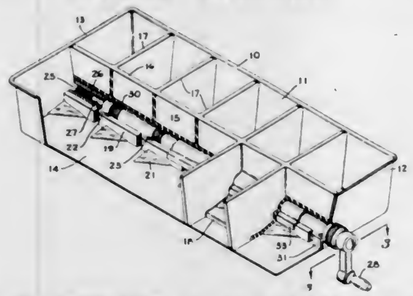
1. A housing, disposed upon a container, consisting of a base provided with a circumferential groove; a plurality of nibs on said housing; a projectile disposed in said housing above said base and adapted to be secured by said nibs, and means between said base, and projectile adapted to exert a stress upon the latter member to cause its ejection from said housing.

2,181,590
ICE TRAY
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 20, 1938, Serial No. 214,680
13 Claims. (Cl. 62—108.5)



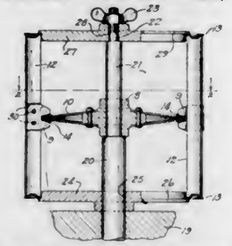
1. In combination, an evaporator of a domestic refrigerator having a freezing chamber, a removable tray positioned in said chamber, a grid structure positioned in said tray, conduit means associated with said grid structure, conduit means associated with said chamber, and a separable joint member on each of said conduit means, said chamber having means for positioning the tray therein whereby the joint members are positioned in cooperative relationship.

2,181,591
REFRIGERATION
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 26, 1938, Serial No. 231,666
12 Claims. (Cl. 62—108.5)



1. In combination, an ice mold having a plurality of compartments, ice releasing means associated with said mold and resilient sealing means between said ice releasing means and said compartments, said ice releasing means being constricted to release ice from said compartments in sequence.

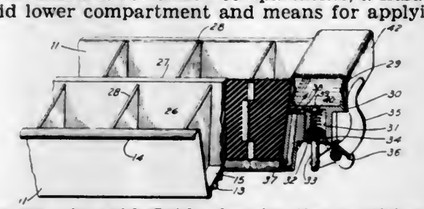
2,181,592
BLADED STRUCTURE
Frank J. Sullivan, Oshkosh, Wis.
Application October 10, 1938, Serial No. 234,141
8 Claims. (Cl. 230—134)



1. A centrifugal blower wheel comprising a pair of end rings having annular ribs formed on one face of each ring, each of said rings being provided with slots extending only through said ribs, blades seated in said slots with their ends against the inner sides of said rings and suitably secured thereto.

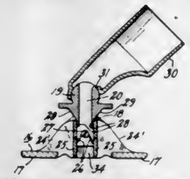
2,181,593
ICE TRAY
Uncas A. Whitaker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 12, 1938, Serial No. 229,414
13 Claims. (Cl. 62—108.5)

1. An ice cube tray having a resilient partition therein dividing said tray into an upper compartment and a lower sealed compartment, a fluid in said lower compartment and means for applying



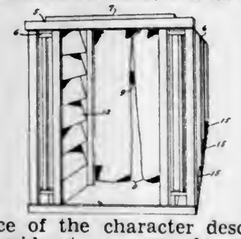
pressure to said fluid whereby the partition is flexed upwardly to release ice from said tray.

2,181,594
SUCTION NOZZLE
Gustaf Erik Björkman, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application July 3, 1936, Serial No. 88,717
In Germany July 8, 1935
7 Claims. (Cl. 15—155)



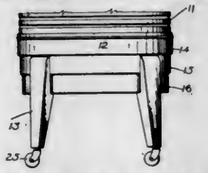
1. In a suction nozzle, a body member formed with a suction opening having a portion bounded by fixed wall structure and a portion bounded in part at least by pivotally mounted side wall structure, and means for closing the portion of said opening bounded by said fixed wall structure and for moving said pivotally mounted wall structure inwardly towards the center of said opening to reduce the area of the portion of said opening bounded thereby.

2,181,595
FLY TRAP
Wesley Gordon Bruce, Dallas, Tex., dedicated to the free use of the People in the territory of the United States
Application December 6, 1938, Serial No. 244,235
6 Claims. (Cl. 119—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



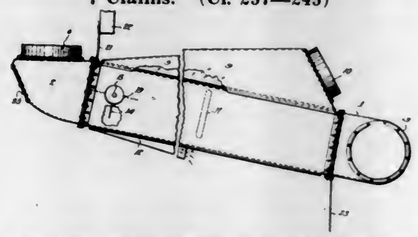
1. A device of the character described comprising a corridor to accommodate the passage of livestock, said corridor having an opaque ceiling and transparent side walls, said side walls being shaped to form a plurality of outwardly converging horizontal V-channels, one above the other, the apex of each channel being open sufficiently to permit the passage of insects to be trapped, a transparent casing on the outside of said walls, yieldable means for partitioning a portion of said passage, and means within said partitioned portion for brushing livestock passing therethrough.

2,181,596
WASHING MACHINE
Fred A. Conterman, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York
Application August 6, 1936, Serial No. 94,626
6 Claims. (Cl. 248—146)



1. In a washing machine, a base member adapted to mount a tub, a plurality of stepped portions in the walls of said member, said stepped portions providing different diametered openings at opposite ends of said member, a supporting leg for said member, the upper portion of said leg abutting one of said stepped portions, a filler interposed between another of said stepped portions and the adjacent edge of said leg, and means rigidly securing said leg to two of the stepped portions of said member.

2,181,597
FURNACE HEAT ECONOMIZER
Burl G. Cross, Lansing, Mich.
Application May 8, 1937, Serial No. 141,477
7 Claims. (Cl. 257—245)



1. A heat economizer comprising an inlet header and an outlet header for furnace gases, a plurality of heat-dissipating flues connecting said headers and spaced apart to form passages for the upflow of a fluid to be heated by said gases, one of such flues being of relatively large capacity for by-pass purposes, and a damper regulating the flow through the last-mentioned flue, said damper being proportioned to reduce the flow, in its closed position, to substantial equality with the individual flow through the flues of lesser capacity, whereby the by-pass flue is adapted for heat-dissipating use.

2. A heat economizer comprising an inlet header and an outlet header for furnace gases, a plurality of flues connecting such headers and laterally spaced to form passages for the upflow of air to be heated by such gases, and a member disposed beneath the portions of said passages remote from the inlet header materially limiting the upflow of air into all of said portions.

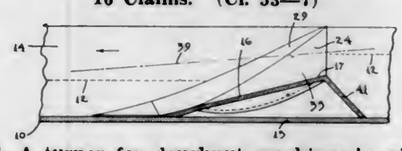
2,181,598
AUTOMATIC THAWING AND CONDENSATION RETURN DEVICE FOR AUTOMOBILE RADIATORS
Louis J. Fagan, Ashville, N. Y.
Application March 22, 1939, Serial No. 263,431
3 Claims. (Cl. 123—178.5)

1. In a radiator which cools an internal combustion engine through circulation of thin streams of fluid from one header tank to another; a narrow compartment extending from one tank to the other and from front to back of core, being adjacent and parallel to said thin streams or water lines; an overflow tube which connects



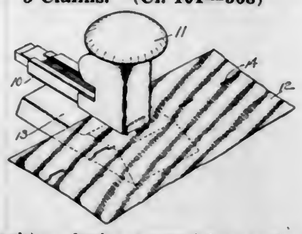
from filler neck of radiator to said compartment; an opening in said compartment for pressure relief.

2,181,599
TURNER FOR DOUGHNUT MACHINES
Verne V. Gunsolley, Minneapolis, Minn., assignor to Dough-King, Inc., Minneapolis, Minn., a corporation of Minnesota
Application February 25, 1938, Serial No. 192,577
16 Claims. (Cl. 53—7)



1. A turner for doughnut machines in which the doughnuts are progressed along a way through the flow of the cooking liquid, said turner comprising a flattened, twisted duct disposed in said way and through which the cooking liquid travels, said duct being arranged so that the longitudinal axis thereof extends from a point substantially in the central vertical plane of the way at the head end of the turner to a point laterally of said plane at the discharge end of the turner.

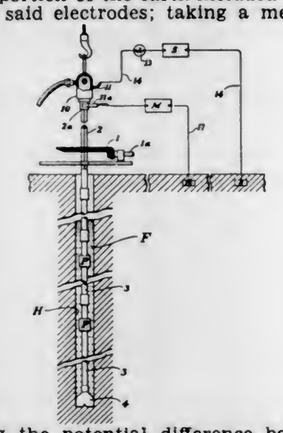
2,181,600
MARKING DEVICE AND PROCESS FOR USING THE SAME
Rose Hoffman, Hartford, Conn.
Application May 24, 1938, Serial No. 211,790
5 Claims. (Cl. 101—368)



1. A marking device comprising a staple having a transferable marking substance applied to the under side of the cross bar thereof for contact with material when the staple is inserted therein.

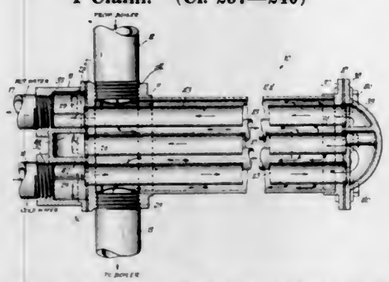
2,181,601
METHOD AND APPARATUS FOR CONTINUOUS EXPLORATION OF BORE HOLES
John Jay Jakosky, Los Angeles, Calif.
Application December 21, 1938, Serial No. 247,008
7 Claims. (Cl. 175—182)

1. In the drilling of a bore hole with a drilling apparatus comprising a drill stem extending within the bore hole and a drill bit electrically connected to said drill stem at the lower end of said drill stem, the method of determining the character of the strata encountered at different depths by the drill bit during the drilling of said bore hole, which comprises: passing a controlled electric current through an electric circuit including the drill stem and the drill bit as one electrode, another electrode connected to the earth at a position removed from the bore hole, and the portion of the earth included electrically between said electrodes; taking a measurement



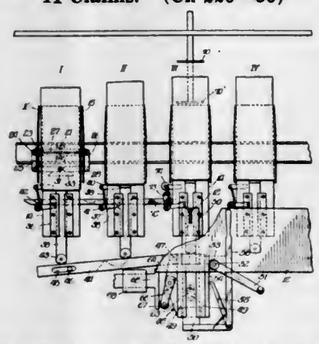
involving the potential difference between two points whose potential difference changes with variations in the path of the current flowing between said electrodes; and repeating such measurement with said drill bit located at different depths within the bore hole, while maintaining a liquid medium in the bore hole around said drill stem, said drill stem being exposed to electrical contact with said liquid medium throughout substantially its entire length and said other electrode being sufficiently removed from the bore hole so that changes in the electrical characteristics of the formation adjacent the drill bit will produce variations in said measurements.

2,181,602
HEAT EXCHANGE APPARATUS
William C. Keeran, Evanston, Ill., assignor, by mesne assignments, to Vapor Car Heating Co., Inc., a corporation of New York
Application January 2, 1937, Serial No. 118,842
1 Claim. (Cl. 257—240)



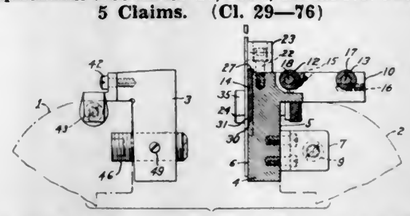
An indirect water heater comprising, in combination, a plurality of straight smooth bore tubes, a continuous unperforated tubular casing surrounding said tubes, a rear tube plate rigidly fastened to one end of said tubes and casing, a rear header carried by said rear tube plate, a boiler port ring rigidly fastened to the other end of said casing and having boiler ports substantially diametrically opposite each other, a front tube plate rigidly connected to said ring and to the other end of said tubes, a front header fastened to said ring and having intake and exhaust ports therein, and partitions cooperating with said headers for directing the flow of water through said tubes in a plurality of passes; said tubes and casing having substantially the same thermal coefficient of expansion, and said tubes and casing constituting the sole connection between said rear tube plate on the one hand and said ring and front tube plate on the other hand whereby a range of different heat exchange capacities can be provided with the same size of front and rear headers and boiler port ring by using different lengths of tubes and casings depending upon the capacity required.

2,181,603
BAG HANDLING MECHANISM
George Long, Joliet, Ill., assignor to Franklin Steel Works, Joliet, Ill., a corporation of Maine
Application August 19, 1937, Serial No. 159,876
11 Claims. (Cl. 226—56)



7. The method of elevating filled bags to their proper pack height determined by the material within the bag which consists in elevating said bags to an initial pack height whereby the material within the bags will be located a distance below a predetermined constant pack line, and then additionally elevating each bag to bring the top level of the contents of each individual bag up to said constant pack line thereby accurately gauging the upper pack level of the material.

2,181,604
ABRASIVE TOOL GUIDING APPARATUS
Harry Morrison, Pittsburgh, Pa.
Application December 17, 1936, Serial No. 116,336
5 Claims. (Cl. 29—76)



1. In a work piece holding device for holding a work piece so that the work piece may be shaped by means of an abrasive tool, in combination, a vise having conventional jaws, a pair of work piece holding jaws clamped to the jaws of the vise, an adjustable working edge on one of said work piece holding jaws, a pair of parallelly disposed rollers so positioned that a plane tangent to the rollers includes the edge of said

working edge, an adjustable work piece positioning member having an edge for engaging the work piece disposed perpendicularly to the said working edge, a second adjustable work piece positioning member having an edge for engaging the work piece which edge may be positioned at any angle with reference to the said working edge.

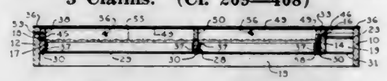
2,181,605

SEPARABLE SIEVE FOR BOLTERS

William E. Norvell, Kansas City, Mo.

Application October 21, 1936, Serial No. 106,844

5 Claims. (Cl. 209—408)



1. In a bolter sieve, an open topped tray-like main body portion having an imperforate bottom, a tray portion of less height than said body portion having a perforated bottom, and means for demountably mounting said tray portion within the confines of said main body portion in fixed position, comprising closely interfitting tongue and groove portions on one end of said main body portion and one end of said tray portion holding said tray portion from vertical movement relative to said main body portion, closely interfitting tongue and groove portions on said main body portion and said tray portion on the other end and both sides of said main body and tray portions holding said tray portion from transverse movement relative to said main body portion in a plurality of directions perpendicular to each other, and means for securing said tray in interfitted relationship with said body portion.

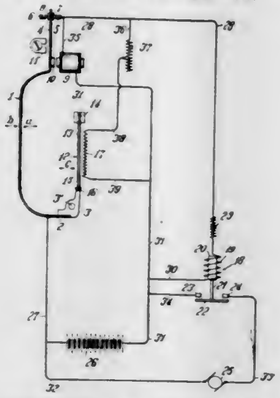
2,181,606

THERMOSTATIC CONTROL MECHANISM

Paul B. Parks, Oak Park, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Application September 20, 1937, Serial No. 164,782

9 Claims. (Cl. 236—68)



1. In combination, a thermostatic assembly comprising a metallic member movable in one direction or the other in response to atmospheric temperature changes, a switch that is closed by the metallic member when moved to one extreme position, a temperature controlling circuit that is completed or broken by this switch, an electromagnet positioned to attract the metallic member and hold the switch in closed position, an energizing circuit for the electromagnet, an electrically operated means adapted to gradually impart a force to the metallic member tending to move it in opposition to the electromagnet to open the switch, and an energizing circuit for this means, both energizing circuits being completed or broken by the switch.

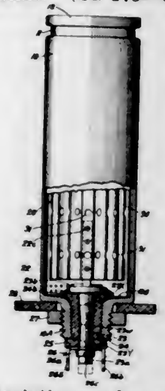
2,181,607

ELECTROLYTIC CONDENSER

Joseph A. Poitras, Fort Lee, N. J., assignor to Solar Manufacturing Corporation, New York, N. Y., a corporation of New York

Application July 21, 1938, Serial No. 220,483

10 Claims. (Cl. 175—315)



1. In an electrolytic condenser of the type wherein the container is provided with an opening at one end, the combination of a rubber bushing received in the said container opening and provided at its upper end with a bead, an anode spindle passing through the inner bore of the said bushing and provided at its upper end with a flange, means for applying pressure to the said spindle to cause its said flange end to abut against the said beaded end of the bushing to compress the same, and means for maintaining the bushing in compressed condition.

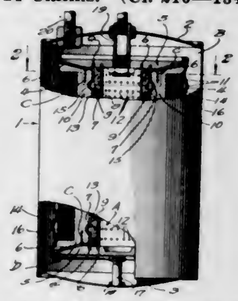
2,181,608

LIQUID REFINER

John K. Russell, William B. Collins, and Walter W. Boggs, Los Angeles, Calif., assignors of fifty per cent to said Russell, twenty-five per cent to said Collins, and twenty-five per cent to said Boggs

Application March 4, 1935, Serial No. 9,252

14 Claims. (Cl. 210—134)



1. In a liquid refiner, a refining element comprising a refining medium, in the form of finely divided particles, and a multiplicity of lumps having absorbent and cushioning characteristics interspersed throughout said medium, said lumps preventing substantial settling or packing of said finely divided particles.

2,181,609

CELLULOSE COMPOUND COMPOSITIONS

Robert P. Russell, Short Hills, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 15, 1937, Serial No. 142,804

6 Claims. (Cl. 260—17)

1. A clear homogeneous composition comprising a compound consisting of a cellulose ester of an aliphatic organic acid and not more than approximately 20% of a substantially saturated, linear, aliphatic isoolefin polymer having an average molecular weight above 800 as determined by the viscosity method.

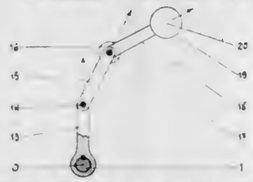
2,181,610

OSCILLATION DAMPING MEANS

François Marie Michel Bernard Salomon, Paris, France

Original application March 31, 1933, Serial No. 663,866. Divided and this application June 22, 1937, Serial No. 149,775. In France April 7, 1932

6 Claims. (Cl. 74—574)



1. Means for damping oscillations in a rotatable member comprising means rigidly secured to said member and rotatable therewith, a damping mass, a pivotal connection between said mass and means, the center of gravity of said mass being at a predetermined fixed distance from the axis of said pivotal connection, a second damping mass, and a pivotal connection between the latter and said first-named mass.

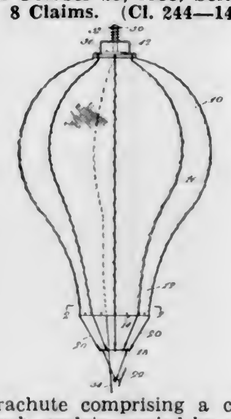
2,181,611

PARACHUTE

Harry G. Shaffer, Pierce City, Mo., assignor of three thirty-seconds to Henry Badger, Lawrence County, Mo.

Application October 25, 1938, Serial No. 236,941

8 Claims. (Cl. 244—149)



1. A parachute comprising a canopy having an open neck, eyelets carried by said neck, seat supporting shroud lines threaded loosely through said eyelets, a normally collapsed linkage encircling said neck and connected therewith with the elements of the linkage so connected and arranged as to provide a rigid ring for positively opening and holding the neck in a full open position, and operating connections between the shroud lines and said linkage for moving the latter to its neck opening position when a pull is exerted on the shroud lines.

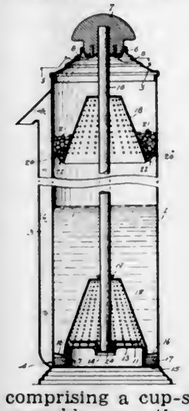
2,181,612

COCKTAIL SHAKER

Walter D. Smith, Portland, Oreg., assignor to Louise Hamlin

Application May 17, 1939, Serial No. 274,182

14 Claims. (Cl. 221—78)



1. A mixer comprising a cup-shaped cylindrical vessel, a removable cover therefor, a plunger having an operating rod extending through said cover, a strainer reciprocally mounted on said rod, means releasably joining said rod and strainer, said strainer provided with a peripheral flange proportioned and arranged frictionally to engage the inner wall surface of the vessel with such intensity as to hold the strainer free of its releasable connection with said rod, and a pouring spout communicating with the interior of the vessel through an aperture arranged at a point adjacent the bottom of the latter.

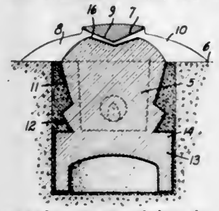
2,181,613

HIGHWAY SIGNAL

Andrew H. Stewart, Shields, and Peter Kucera, Allison Park, Pa., assignors to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia

Application August 30, 1937, Serial No. 161,644

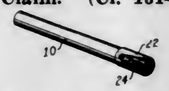
4 Claims. (Cl. 88—79)



1. A road marker comprising in combination a guard member and a light reflecting body member having flattened sides, the guard member extending across the top of the body member and having opposed cut away portions between outwardly extending road surface engaging arms and a pair of lugs extending downwardly from said arms and adapted to engage the flattened sides of the body member, the said body member being provided with two oppositely disposed light refracting faces positioned in the cut away portions of the guard member above the horizontal

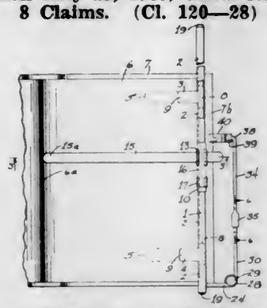
plane of the underside of the road surface engaging arms and arranged at an angle to said horizontal plane, and cooperating concave light reflecting surfaces formed in said body member below said horizontal plane, each said light refracting face being curved in two planes on different radii to refract and transmit light incident thereon at an acute angle to said horizontal plane downwardly and across the interior of said body member against an opposite and cooperating light reflecting surface which is also curved in two planes on different radii to reflect the transmitted light toward and through the opposed cooperating light refracting face, and a coating of light reflecting material covering the reflecting surfaces and the flattened sides of the body member.

2,181,614
CIGARETTE OR THE LIKE
Robert S. Striefling, Detroit, Mich.
Appliction January 20, 1939, Serial No. 251,873
1 Claim. (Cl. 131—52)



A cigarette having a fibrous wrapper and a fibrous porous structural filter disposed within the mouthpiece end and through which filter smoke drawn through the wrapper must pass, said wrapper and filter being impregnated with an oxide or hydroxide of that group of materials comprising calcium, magnesium, aluminum and silicon.

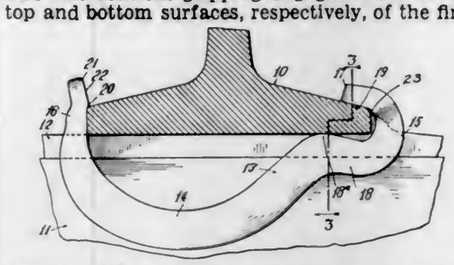
2,181,615
LINE INDICATOR FOR SIDEWISE OPENING BOOKS
Bonnie E. Van Alstyne, San Francisco, Calif.
Application May 15, 1939, Serial No. 273,613
8 Claims. (Cl. 120—28)



1. A line indicator for a sidewise opening book comprising a bar, clips slidable along the bar and designed to secure the bar to a page, a carriage movable along the bar, and a line indicating strip adjustably secured to the carriage and being freely movable over both clips.

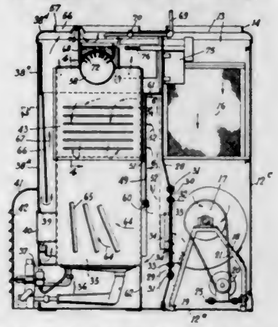
2,181,616
RAIL ANCHOR
Harold G. Warr, Park Ridge, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application November 18, 1937, Serial No. 175,277
In Canada May 3, 1937
6 Claims. (Cl. 238—330)

5. A one-piece rail anchor comprising a bar having a body portion adapted to extend across beneath the rail with opposite faces arranged substantially perpendicular to the bottom surface of the rail base so that either of said faces may bear against a vertical face of a cross-tie, the said bar being bent adjacent to one end into hook form to provide an upper jaw for gripping the top surface of one base flange of the rail, a lower jaw for gripping the bottom surface of said flange at a location spaced inwardly a greater distance from the edge of the flange than the bearing surface of said upper jaw, and to provide also a stop surface for engaging the upper corner of said flange to limit movement of the hook transversely of the rail, and rail engaging means at the other end of the anchor adapted to be flexed outwardly and forced upwardly relative to the other base flange of the rail to turn said hook about the lower jaw as an axis into resilient gripping engagement with the top and bottom surfaces, respectively, of the first



mentioned flange and to lock the anchor on the rail; the portion of the bar which forms the said upper jaw being gradually decreased in vertical thickness and increased in width toward the end so as to provide the said upper jaw with increased flexibility toward its extremity and to provide a widened portion which projects beyond the side planes of the lower jaw, whereby the increase in the flexibility of the upper jaw insures downward pressure contact on the base flange at the said stop surface and at the extremity of the jaw when the anchor is in its applied position and whereby the effective width of the anchor for resisting turning movement thereof about a horizontal axis extending transversely of the rail is defined by the vertical plane of one side of the lower jaw and the edge portion of the widened upper jaw which projects beyond the plane of the other side of said lower jaw.

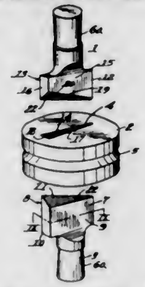
2,181,617
AIR CONDITIONING APPARATUS
Carlyle M. Ashley, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application June 4, 1938, Serial No. 211,793
15 Claims. (Cl. 126—110)



1. In an apparatus of the character described,

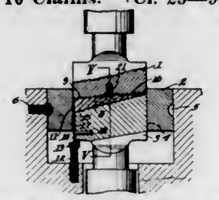
means forming a plurality of spaced heating chambers having walls characterized by relatively high heat conductivity and adapted to receive heating medium, means forming a plurality of other chambers between and spaced from said heating chambers, said other chambers being provided with air inlet openings at the ends thereof and with air discharge openings formed at the bottom thereof for delivering air for flow in the spaces separating said heating chambers from said other chambers, means for delivering from the apparatus air which has passed through said spaces, and means for delivering from the apparatus, unmixed with said last mentioned air, heating medium from said heating chambers.

2,181,618
PUNCH AND DIE MECHANISM FOR PRODUCING PYROMETRIC CONES
George A. Bole and Harry E. Co Van, Columbus, Ohio, assignors to Standard Pyrometric Cone Company, Columbus, Ohio, a corporation of Ohio
Application July 30, 1936, Serial No. 93,457
2 Claims. (Cl. 25—90)



1. Apparatus for forming pyrometric cones comprising a die block provided with a vertical slot substantially triangular in transverse cross section, bevelled upper and lower rigid punch members of corresponding cross sectional formation arranged for sliding movement in said slot, the longitudinal edges on one side of the opposing faces of said punches being disposed in parallel relationship, the other longitudinal edges of said faces diverging from the narrower part of said punches whereby when said punches meet in the slot in said die block, the opposing faces together with parts of the walls of said slot form a triangular pyramidal pocket.

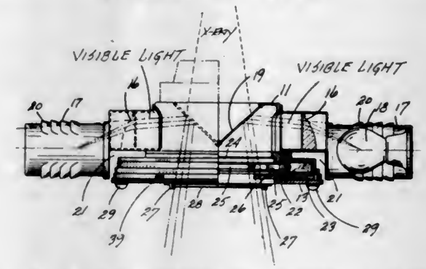
2,181,619
PRESS FOR PRODUCING PYROMETRIC CONES
Harry E. Co Van and George A. Bole, Columbus, Ohio, assignors to Standard Pyrometric Cone Company, Columbus, Ohio, a corporation of Ohio
Application December 16, 1935, Serial No. 54,606
10 Claims. (Cl. 25—90)



1. A press for producing pyrometic cones com-

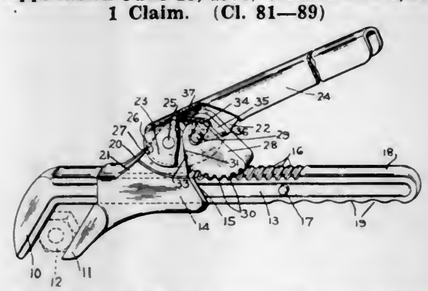
prising a die having a wedge-shaped slot, coacting punch members in registration with and axially movable with respect to said slot, one of said punch members being provided with a pocket having the side walls thereof arranged in V-shaped relationship with the inner edge of the pocket formed by the merging of said side walls disposed in acute angular relationship with respect to the horizontal, and the other of said punch members having the surface thereof registering with the first-named punch member of plane formation and disposed at an angle with respect to the horizontal.

2,181,620
THERAPY HEAD FOR X-RAY APPARATUS
Walter H. Haupt, Ludlow, Ky., assignor to The Kelley-Koett Manufacturing Company, Incorporated, Covington, Ky., a corporation of Ohio
Application February 2, 1939, Serial No. 254,263
3 Claims. (Cl. 250—64)



1. An X-ray therapy head comprising a body enclosing an opening for the passage of an X-ray beam, a pair of chambers extending from the side of said body, sources of illumination within said chambers, an angled multiple X-ray-permeable mirror athwart said opening, lens means mounted to direct light from said sources of illumination on said mirror so as to direct the reflected visible light along the X-ray beam and X-ray proof shutter means attached to said body below said mirror.

2,181,621
WRENCH
Adam E. Johnson, Naugatuck, Conn.
Application June 18, 1938, Serial No. 214,481
1 Claim. (Cl. 81—89)



In a wrench, a first jaw having a shank forming a front handle, a sleeve having a jaw opposing said first jaw and being slidably mounted on said shank, said shank having a plurality of rack teeth formed thereon, a second handle pivoted to said sleeve above the upper surface of said shank, a curved gear toothed segment adapted to mesh with said rack teeth and pivoted to said second

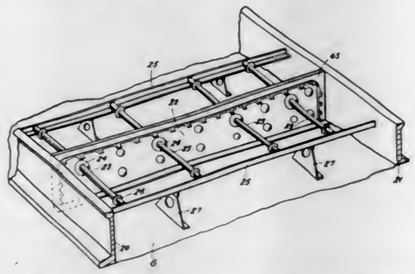
handle at a point distant from the handle-sleeve pivot, and spring means reacting between said second handle and said segment to urge said segment teeth into mesh with the teeth on said shank, said gear segment being caused to rotate about its pivot and roll along said rack teeth when said handles are pressed toward each other.

2,181,622
BREECH LOADING PENCIL
Franklin H. Keeran and Charles R. Keeran, Evanston, Ill.
Application May 27, 1937, Serial No. 145,992
14 Claims. (Cl. 120—18)



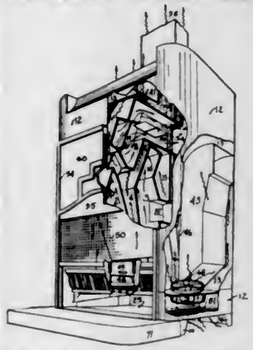
1. In a mechanical pencil, a body including a barrel part and a part co-axial with the barrel and rotatably connected therewith, a helically slotted tubular member and a longitudinally extending guide member, one of said members being rotatable by one of said body parts and the other member being rotatable by the other body part, together with a plunger having a laterally extending lug engageable with the helical slot and with the longitudinal guide so that rotation of one of said body parts with respect to the other will feed the plunger in the barrel, both said helical slot and said longitudinal guide terminating at a substantial distance within the upper end portion of the pencil body, and being unobstructed to permit removal of the plunger therefrom and insertion of lead therein at said upper end, and said plunger including a portion dimensioned to project beyond the upper end of the pencil body while said lug is still engaged in the helical slot, and means externally disposed on the body indicating the location circumferentially of the longitudinal guide therein, said projecting portion of the plunger being provided with means to indicate the position of the said lug thereon to facilitate entering the lug into engagement with the guide when the plunger is inserted in the upper end of the pencil body.

2,181,623
SLAB JOINT
Samuel Klein, Chicago, Ill., assignor to National Road Joint Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1936, Serial No. 78,845
22 Claims. (Cl. 94—18)



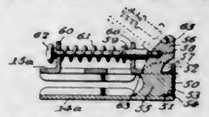
1. A slab joint form comprising a pair of spaced side walls each having upper and lower edges and an end, said ends being curved where they meet the upper edges of the walls, and a continuous integral ductile sheet metal seal channel depressed between the side walls, following the curve and extending along the upper edges and ending adjacent to the lower edges at the ends of the walls.

2,181,624
FIREPLACE HEATER
Herman W. Maurer, Cleveland Heights, Ohio
Application September 18, 1936, Serial No. 101,472
54 Claims. (Cl. 126—121)



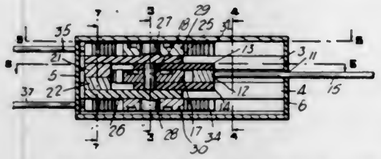
1. A fuel burner for heating a building comprising a grate, a front combustion chamber having an opening into a room in the building, a rear combustion chamber, an air heating chamber enclosing said rear chamber and a portion of the front heating chamber, and including a hollow partition separating said chambers, and means for carrying off the products of combustion, said last named means including a flue communicating with an upper portion of the front combustion chamber and a heat radiator encircling said flue, said heat radiator communicating with the rear combustion chamber and the flue and positioned within the air heating chamber whereby hot gases from the rear combustion chamber are passed through said radiator and out the flue and said radiator heats the air in the air heating chamber.

2,181,625
SLIDE FOR SLIDE FASTENERS
John B. Mucci, Medford, Americo F. Sico, Somerville, and Tancredi Iapicca, Boston, Mass.
Application July 1, 1938, Serial No. 217,010
1 Claim. (Cl. 24—205)



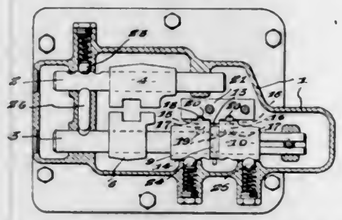
A slide for a fastener track having two spaced track-closing plates of substantially non-resilient material of which one plate has an opening, a yoke of resilient material joining the plates at one end and permitting relative rocking movement of said plates in a plane at right angles to the main plane of either plate and parallel to the longitudinal axis thereof, a track-opening post on the other plate projecting between said plates and having a stop surface engageable by said one plate to prevent rocking movement of the latter toward said other plate beyond substantial parallelism therewith, said post having a portion extending through said opening in said one plate with slight clearance therefrom, and means cooperating with said extended portion of the post for locking said one plate against rocking movement out of engagement with said stop surface.

2,181,626
EQUALIZER FOR MECHANICALLY OPERATED AUTOMOBILE BRAKES
David Nicol, Jr., Willowdale, Ontario, Canada
Application March 15, 1939, Serial No. 261,907
1 Claim. (Cl. 188—204)



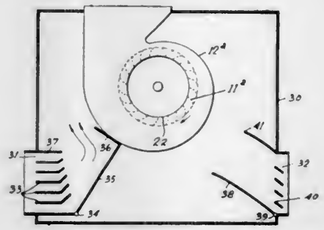
In an equalizer for mechanically operated automobile brakes, the combination with the front and rear brake shoes and the brake pedal, of a casing located between the front and rear shoes and having opposing upper and lower guide ways and opposing intermediate guide ways, a rack bar slidable in each upper guide way, a rack bar slidable in each lower guide way, a plate slidably mounted between the guides forming the upper guide way, a plate slidably mounted between the guides forming the lower guide way, a gear rotatably mounted on each plate and meshing with the upper and lower racks, a connection between each upper rack and corresponding rear brake shoe, a connection between each lower rack and the corresponding front brake shoe, and means operated by the brake pedal for moving forward the plate connected to the shoes which have to be adjusted to the equalizing position while the other plate remains stationary when the corresponding shoes assume their braking position, such means comprising opposing rack bars slidable in the intermediate guide way of the casing, means for connecting one rack bar to the upper slide plate and the other rack bar to the lower slide plate, a member slidably mounted on the intermediate guide way and connected to the brake pedal, and a gear rotatably mounted on the intermediate slide member and meshing with the intermediate racks.

2,181,627
SHIFTING MECHANISM FOR CHANGE-SPEED TRANSMISSION GEARING
Carl D. Peterson, Toledo, Ohio
Application November 30, 1938, Serial No. 243,231
4 Claims. (Cl. 74—475)



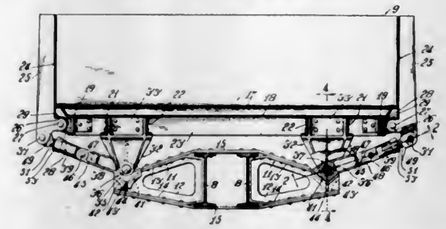
1. A shifting mechanism comprising a suitable housing, an axially shiftable rod mounted in the housing and shiftable in opposite directions from neutral, shifting elements having hubs slidably mounted on the rod and movable in opposite directions relative to each other out of and into neutral position by the rod, locking means including parts controlled in their operation by the rod for locking either hub to the rod to shift therewith and for locking the other hub in neutral position while the former hub is being shifted out of and into neutral position, and stop means for limiting the movement of the hubs in neutral when returning from shifted position to neutral position.

2,181,628
FAN APPARATUS
Sam F. Shawhan, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application June 4, 1938, Serial No. 211,795
4 Claims. (Cl. 230—114)



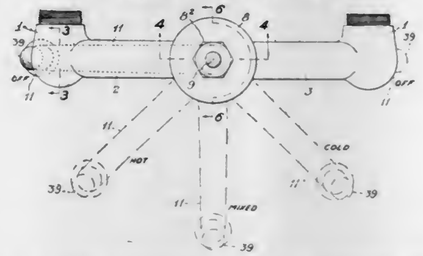
1. In an apparatus of the character described, including a casing having blower means of the centrifugal type disposed therein, an air inlet formed in said casing, guide vane means disposed proximate said inlet opening and adapted to direct air intaken within said opening in a direction concurrent with the direction of rotation of said blower means, and an adjustable baffle positioned proximate the discharge end of said vane means and adapted to overlie the ends of said vane means and provided with a flange-like extension adapted to initiate rotary circulation within said casing of air discharged from said vane means.

2,181,629
DUMP CAR
Joseph H. Slaker, Aurora, Ill., assignor, by mesne assignments, to Western-Austin Company, Aurora, Ill., a corporation of Illinois
Application January 31, 1927, Serial No. 164,740
50 Claims. (Cl. 105—276)



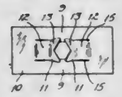
1. A dump car comprising a tilting bed, an under body on which said bed is supported, coacting laterally spaced fulcrums operative between said bed and said under body for normally holding said bed in substantially stable equilibrium, said bed tilting about said fulcrums in the dumping operation, a side gate for said bed mounted to swing outward and downward from its closed position, a toggle adapted to hold the gate closed, comprising a movably mounted toggle pivot, and means adapted to engage the under body for holding said pivot at the dumping side of the car in stationary position in the dumping operation, said means being automatically separable entirely from said under body upon the tilting of said bed in the opposite direction.

2,181,630
FAUCET
Luigi Taddeo, Cleveland, Ohio, assignor to Armand J. Taddeo, Cleveland, Ohio
Application August 9, 1938, Serial No. 223,860
7 Claims. (Cl. 277—18)



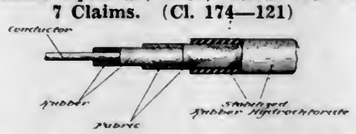
1. A faucet comprising a conduit member having transverse walls forming a chamber intermediate the ends of the conduit, said walls being formed with ports communicating with the chamber, a rotatably-mounted spout journalled on the inner surfaces of said walls and having ports adapted selectively in groups and individually to register with the wall ports in predetermined rotative positions of the spout, a movable valve controlling liquid flow through the spout, means for holding the valve normally closed, and means actuated by the rotative movements of the spout to open the valve before any of said wall ports and any of said spout ports come into registry and to hold the same open throughout the entire field of registry of said wall ports and said spout ports.

2,181,631
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application December 30, 1936, Serial No. 118,216
7 Claims. (Cl. 85—32)



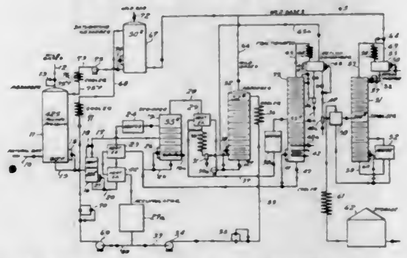
1. Fastening means having a base portion and a pair of thread engaging portions that are formed integrally with the base portion and that are formed from one side thereof, the thread engaging portions being wider at their free ends than the space from which they were formed.

2,181,632
INSULATED ELECTRICAL CONDUCTOR
Herbert A. Winkelmann, Chicago, Ill., assignor to Marbon Corporation, Chicago, Ill., a corporation of Delaware
Application April 29, 1937, Serial No. 139,737
7 Claims. (Cl. 174—121)



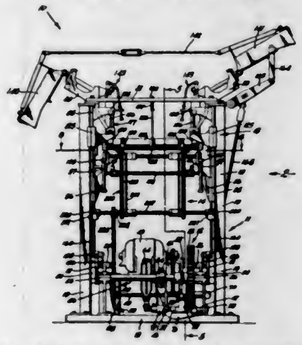
1. An electrical conductor of high dielectric strength, flexibility, water and oil resistance, ozone and ultra violet ray resistance comprising a conductor wire covered with a composition of an intimate mixture of rubber hydrochloride and a basic stabilizer.

2,181,633
PROCESS OF RECOVERING CASING-HEAD GASOLINE
Arthur John Lindsay Hutchinson, Palo Alto, Calif., assignor to The Fluor Corporation, Limited, Los Angeles, Calif., a corporation of California
Application November 2, 1936, Serial No. 108,721
8 Claims. (Cl. 196—8)



1. A process of treating natural gas which comprises: flowing a stream of natural gas containing hydrocarbons of the methane series, such as pentane and lighter and pentane and heavier, through absorption oil under such conditions of temperature and pressure that the greater part of the hydrocarbons lighter than butane are unabsorbed, removing such unabsorbed hydrocarbons from the system, decreasing the pressure and increasing the temperature on said absorption oil to completely remove all absorbed hydrocarbons, condensing and stabilizing said removed hydrocarbons to recover a liquid fraction containing some iso-butane and a relatively large percentage of hydrocarbons heavier than iso-butane also a gaseous fraction containing some iso-butane and a relatively large percentage of hydrocarbons lighter than iso-butane, passing said gaseous fraction through absorption oil under lower pressure conditions than said first-mentioned absorption oil to absorb substantially all propane and heavier hydrocarbons while methane and ethane are substantially unabsorbed, then stepping up the pressure on said last absorption oil to contact said original stream of gas and complete the cycle.

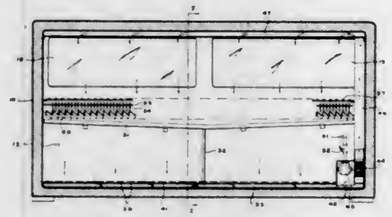
2,181,634
NAILING MACHINE
Herbert E. Twomley, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 28, 1937, Serial No. 156,098
18 Claims. (Cl. 1—14)



1. In a nailing machine the combination of:

nailing mechanism; anvil means for supporting a pair of box heads in spaced relation in each of three positions to permit said nailing mechanism to secure thereto consecutively a first side, a bottom and a second side; means for feeding a series of independent slats into the proper places to be nailed to said heads, with the latter in each of the aforesaid three positions, to form said sides and bottom in said heads; and means automatically controlled by the completion of each nailing operation performed by said nailing mechanism, to cause said slat feed means to feed slats into their proper places for assembly on said heads in the next succeeding nailing operation.

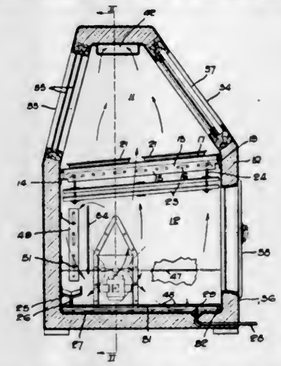
2,181,635
FORCED AIR COOLED DISPLAY CASE
Robert H. Tull, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1938, Serial No. 218,270
8 Claims. (Cl. 62—89.5)



1. A refrigerator comprising an insulated cabinet, the length of which exceeds its breadth, a relatively flat and substantially horizontal cooling unit therein dividing said refrigerator into an upper and a lower refrigerated storage compartment, and motor-driven means for circulating air through said compartments and through said cooling unit, said motor-driven means including an air duct, an air inlet to said motor-driven means extending along substantially the entire length of the lower compartment and an air outlet extending substantially along the entire length of the upper food compartment.

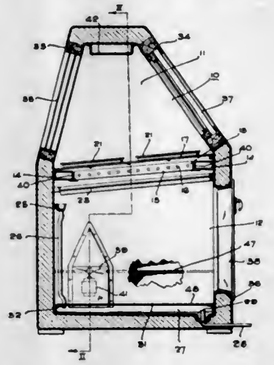
2,181,636
REFRIGERATION APPARATUS
William Maxwell Saunders, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 23, 1938, Serial No. 241,939
11 Claims. (Cl. 62—89.5)

1. In a display refrigerator, the combination of a cabinet, a relatively flat and substantially horizontal cooling unit therein dividing said cabinet into upper and lower food storage compartments, said cooling unit having closely spaced air passages substantially throughout its area, said cooling unit cooperating with the walls of said cabinet to prevent substantial quantities of air from passing around the edges of said cooling unit directly from one compartment to the other, means associated with said cabinet for propelling air, means for directing air from an extended area adjacent the upper portion of said upper compartment to said air propelling means, means for discharging air from said air propelling means over an extended area into the lower compartment and remote from said cooling unit, the air thereafter passing through the air passages of said cooling unit to said upper compartment, whereby said



air is cooled substantially uniformly as it passes through the cooling unit.

2,181,637
DISPLAY CASE
William Ardito, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1939, Serial No. 250,219
6 Claims. (Cl. 62—89.5)

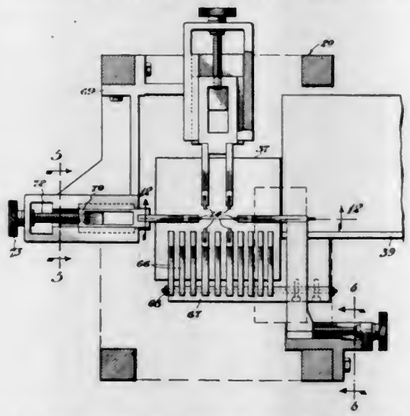


1. In a display refrigerator, the combination of a cabinet, a relatively large, flat cooling unit located therein to provide storage compartments on both sides of said cooling unit, said cooling unit having closely spaced air passages throughout substantially its entire area, means associated with said cabinet for propelling air, means for directing air from an extended area remote from said cooling unit in one of said compartments to said air propelling means, means for conducting air from the air propelling means to an extended area remote from the cooling unit in the other of said compartments, the air thereafter passing through the last-named compartment and uniformly through the cooling unit and normally to the flat surface thereof, and means for preventing substantial quantities of air from passing around the edges of the cooling unit directly from one compartment to the other and for directing a limited amount of air from adjacent the cooling unit to said air propelling means to supply an additional quantity of chilled air to one of said compartments.

2,181,638
DEWAXING OF MINERAL OILS
Leon W. Cook, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 25, 1938, Serial No. 215,877
5 Claims. (Cl. 196—19)

1. The method of dewaxing a mixture of wax-bearing oil and dewaxing solvent containing a small amount of water which comprises incorporating in the mixture a small amount of a chromium soap of a higher fatty acid, chilling the mixture to precipitate wax, and separating the precipitated wax from the chilled mixture.

2,181,639
PAPER DIE CUTTING MACHINE
Edma H. Curtis, Jr., Cincinnati, Ohio, assignor to The Nivison-Weiskopf Company, Reading, Ohio, a corporation of Ohio
Application April 10, 1939, Serial No. 266,962
9 Claims. (Cl. 164—21)

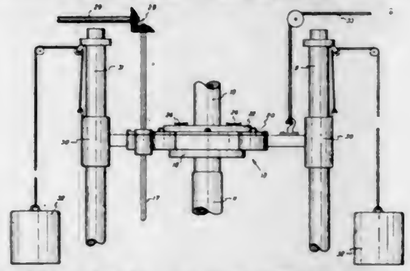


1. A machine for cutting labels or the like, comprising a reciprocable cutting block, means for reciprocating said cutting block, means for delivering a stack of labels upon said cutting block, a hollow die element located above and in alignment with said cutting block, and guides extending between said cutting block and said die, said guides defining a space approximately the area of the stack of paper to be cut, said cutting block slotted inwardly from its edges to provide clearance for said guides.

2,181,640
PROCESS AND PRODUCTS RELATING TO PRODUCTION OF VALUABLE HYDROCARBONS
Richard M. Deanesly and Aaron Wachter, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 26, 1935, Serial No. 37,942
11 Claims. (Cl. 260—676)

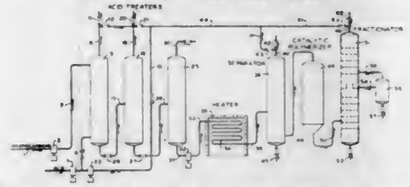
8. A process for the interpolymerization of a tertiary olefine with a dissimilar olefine of a lower order of reactivity which comprises heating the tertiary olefine with a substantial molecular excess of the dissimilar olefine in the presence of an acidic polymerization catalyst under a superatmospheric pressure and at a temperature of from 60° C. to 250° C. for a time sufficient to effect substantial interpolymerization with no substantial decomposition of the olefinic reactants and products.

2,181,641
ROTARY DRILLING MACHINE AND PIPE TONGS
Harold C. Hicks, Taft, Calif.
Application August 15, 1938, Serial No. 224,949
3 Claims. (Cl. 255—35)



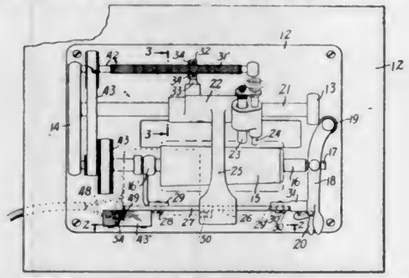
1. Apparatus for rotating drill pipe, comprising: a rotatable table having a central opening formed with inwardly curved bays, arranged to surround said drill pipe; means for rotating said table in either direction at will; a housing supporting said table and means for preventing rotation of said housing; a plurality of pipe-gripping dogs surrounding said pipe and mounted in said bays, said dogs being provided with projecting studs; and a spider having radial slots engaging said studs and provided with friction-creating means arranged to resist rotation of said spider within said housing.

2,181,642
POLYMERIZATION OF TERTIARY-BASE OLEFINS
Wallace A. McMillan, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 14, 1937, Serial No. 153,543
5 Claims. (Cl. 260—683)



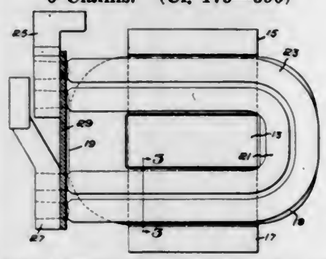
5. A process for the manufacture of di-isobutylene from an unsaturated C_4 hydrocarbon fraction containing isobutylene, which comprises selectively converting the isobutylene into tertiary butyl chloride by contacting the hydrocarbons in the liquid phase with dry hydrogen chloride, separating the tertiary butyl chloride by fractionation, decomposing the isobutyl chloride to isobutylene and hydrogen chloride, under the influence of heat, subjecting the resulting mixture while hot and at a slightly reduced temperature to polymerization in the presence of a catalyst immune to hydrogen chloride poisoning, whereby the isobutylene is polymerized to di-isobutylene, separating the di-isobutylene from the hydrogen chloride and recycling the hydrogen chloride for conversion of additional isobutylene to tertiary butyl chloride.

2,181,643
RECORD RESURFACING MACHINE
John E. Renholdt, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application November 6, 1937, Serial No. 173,128
8 Claims. (Cl. 82—1.1)



1. In a record resurfacing machine, a tool carriage, a rod for slidably supporting the tool carriage, a feed screw, a bracket carried by the tool carriage, a feed nut mounted on the bracket and adapted to interengage with the feed screw and capable of free pivotal and rocking motions on said bracket.

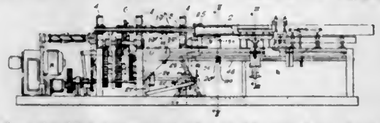
2,181,644
ELECTRIC TRANSFORMER
Charles E. Seifert, Swampscott, Mass., assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass., a corporation of Massachusetts
Application June 2, 1938, Serial No. 211,375
6 Claims. (Cl. 175—356)



2. A transformer having a secondary winding, comprising a fluid-cooled tubular conductor of a hairpin shape consisting of a single unitary length of tubing flattened to provide an internal fluid passage, cross-sectionally elongated in one direction and having ends of round cross-section, primary windings next to and on both opposite flattened sides of the legs of said conductor, separate conductive terminals each having a hole of round cross-section in which the round end of one of the respective legs of said conductor fits and with which it has electrical contact, means for closing each open end of the tube, and means by which cooling fluid is circulated to said tubular conductor through said terminals.

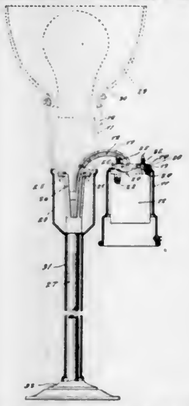
2,181,645
PAPER TUBE MAKING MACHINERY
David C. Spaulding, Jr., Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application August 20, 1937, Serial No. 160,029
20 Claims. (Cl. 93—81)

1. In tube making apparatus, a mandrel having a free end permitting discharge of tubes formed, means for rotating the mandrel, means for applying adhesive to a web of cellulose, means for winding the latter convolutely on the mandrel, means for severing the web in sufficient length for a tube, means for compacting the tube, means for surfacing the tube including a feed table for a stack of cover sheets and means for applying



adhesive to the topmost sheet thereof and means for stepwise raising the table to contact such topmost sheet with the tube before winding the sheet on the tube, and means for pushing the wound tubes from the winder means to the surfacing means and to discharge by stages.

2,181,646
LAMP STRUCTURE
Joseph Wertzheiser, New York, N. Y., assignor to Leviton Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application April 5, 1938, Serial No. 200,117
4 Claims. (Cl. 240—81)

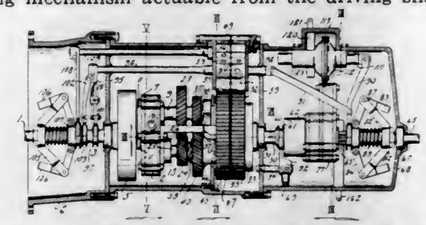


1. A lamp structure having a hollow body portion, a socket supporting bracket within said body portion, a husk adapted to have its lower part rest on the top of said body portion to form a continuation thereof, said husk having an inwardly extending annular flange at one end to form an opening through the bottom of the husk, a lamp socket adapted to be inserted in said husk and having a reduced portion at its base to form a shoulder with the body portion of the socket, said reduced portion having a diameter adapting it to pass through the opening at the bottom of the husk, whereby the shoulder on said socket will rest on the flange of the husk when the socket is in the husk, line wire connections on the bottom of the reduced portion of the socket and external of the husk when the socket is in the husk, means for securing the socket to the husk, and means for fastening said socket to the supporting bracket adapted to draw the adjacent ends of the husk and hollow body together.

2,181,647
TRANSMISSION CONTROL
Estel O. Wheaton, Toledo, Ohio, assignor to Kelly-Wheaton Company, Toledo, Ohio, a corporation of Ohio
Application April 16, 1934, Serial No. 720,822
1 Claim. (Cl. 74—293)

A transmission embodying a driving shaft, a

driven shaft, axially offset intermediate shafts, a governor for the driving shaft, an additional governor for the driven shaft, gearing between the driving and driven shafts including planetary gears on the intermediate shafts, hydraulic braking mechanism actuable from the driving shaft



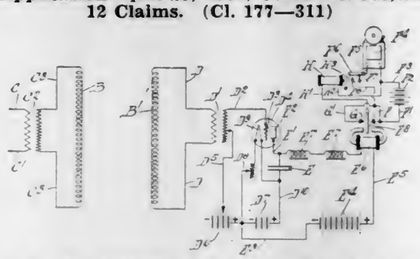
governor, a second hydraulic braking mechanism actuable from the driven shaft governor, and a control affecting connection between the driving and driven shafts as to the mechanisms and gearing, said control including a vacuum responsive valve for influencing a hydraulic braking mechanism.

2,181,648

BURGLAR ALARM

John C. Becker, Ormonde C. Becker, and Ellsworth J. Becker, Maywood, Ill., assignors to Everett Experimental and Development Company, Shanghai, China

Application April 29, 1931, Serial No. 533,727
12 Claims. (Cl. 177—311)



1. In an apparatus for detecting the movement of metals permeable to magnetic lines of force through a zone of detection, a plurality of coils positioned laterally of and at the opposite sides of said zone of detection, means for creating and maintaining therebetween and across said zone of detection an alternating current field generally transverse to the direction of movement of metals through said zone, adjustable electrical means connected to one of the coils and effective to accommodate variable transverse dimensions of the zone of detection, and also to accommodate variable bodies of metal, a signal, means connected with the signal and the adjustable electrical means to operate said signal upon disturbance of the field by presence of metal therein, and means in communication with said adjustable electrical means and coupled with said signal operating means to initiate the signal operating means upon the failure of the alternating current.

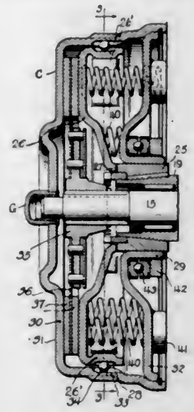
2,181,649

CLUTCH MECHANISM

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application November 20, 1936, Serial No. 111,953
9 Claims. (Cl. 192—68)

2. In a clutch mechanism, in combination, coaxial driving and driven members mounted for relative rotation but restrained against relative axial movement, a drum fixed on one of said members, a housing concentric with the drum and connected thereto for revolution therewith



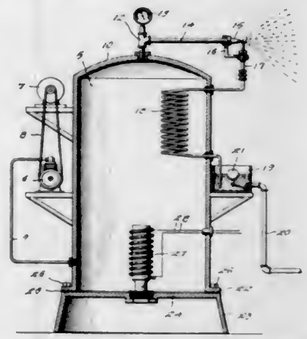
by means permitting relative axial movement of the drum and housing, and a disk fixed on the second of said members and extending between the drum and housing to be gripped therebetween.

2,181,650

HUMIDIFYING APPARATUS

Guy L. Briggs, St. Marys, Ohio

Application February 26, 1938, Serial No. 192,874
5 Claims. (Cl. 299—86)



3. An apparatus of the class described, comprising, an air tank, an air compressor secured on the outer side of said tank for supplying air therein under pressure, a water receptacle mounted outside of said tank, a nozzle supported without said tank and in communication with the interior of said tank whereby air from said tank is discharged therethrough, a water heating coil within said tank having one end terminating adjacent the discharge end of said nozzle and the opposite end extending within said receptacle, a heating element within said tank for heating the air therein and the water within said coil whereby to effect a mixture of heated water with the air discharged from said nozzle, and a motor mounted on said tank for operating said compressor.

2,181,651

ZINC SULPHIDE PIGMENT AND METHOD OF IMPROVING THE LIGHT STABILITY OF SAME

John Henry Calbeck, Joplin, Mo., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine

No Drawing. Application January 12, 1938, Serial No. 184,704
9 Claims. (Cl. 23—135)

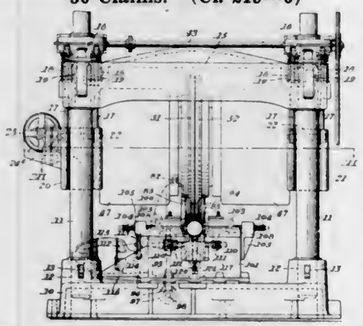
1. The process of treating precipitated zinc sulphide pigment which consists in washing the precipitate with water, whereby some of the impurities are removed, then treating the precipitate and the remaining impurities with a base, then washing reaction products from the precipitate with water, and then calcining the washed precipitate.

2,181,652

ELECTRIC WELDING MACHINE

James V. Caputo, Crafton, Pa.

Application August 14, 1930, Serial No. 475,174
50 Claims. (Cl. 219—6)



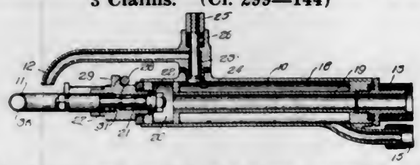
1. In a welder, the combination with a base having columns thereon, of a head supported on said columns and a carriage suspended on springs from said head, consisting of bearing housings guided for vertical adjustment between said columns, a shaft journaled in said housings, transformers and electrode rolls secured to said shaft, a motor for driving said shaft and screw-downs for adjusting the housings.

2,181,653

SHAMPOO APPARATUS

Earle A. Clauder, Madison, Wis., assignor to Ever-Flo Manufacturing Company, Inc., a corporation of Wisconsin

Application October 25, 1937, Serial No. 170,925
3 Claims. (Cl. 299—144)



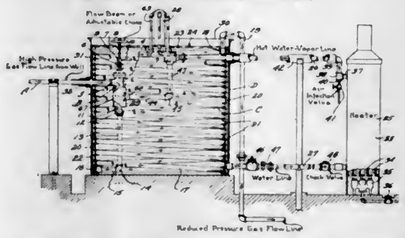
3. Apparatus of the character described, including: a substantially cylindrical handle having two chambers therein; an annular nozzle carried by said handle and adapted to communicate with one of said chambers; a valve controlling said communication, said valve being adapted to be operated by the hand holding said handle and to be locked in open or closed position; means for supplying water to the chamber communicating with said annular nozzle; a second nozzle carried by said handle and adapted to communicate with the other of said chambers, said nozzle being adapted to discharge within the space bounded by said annular nozzle; a valve controlling said last mentioned communication, said valve being so constructed as to remain closed except when manually maintained in open position; and means for supplying liquid soap to said other chamber, said chambers being so constructed and arranged that there is a heat transfer relation between said water and said soap.

2,181,654

APPARATUS FOR HEATING GAS

Howard W. Davenport, Minden, La.

Application January 24, 1938, Serial No. 186,749
3 Claims. (Cl. 62—122)



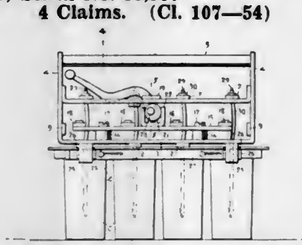
1. In heating apparatus for gas, the combination of a tank, a flow bean to which gas under high pressure is delivered, located at an intermediate portion of the tank, a circuitous discharge line in the tank leading from the flow bean to the lower portion of the tank and thence to the upper portion of the tank, a water heater, a water-vapor line between the heater and the tank and open to the upper portion of the tank and to a zone adjacent said flow bean, and a water line between the lower portion of the tank and heater.

2,181,655

PROCESS OF PRODUCING AN EDIBLE PRODUCT

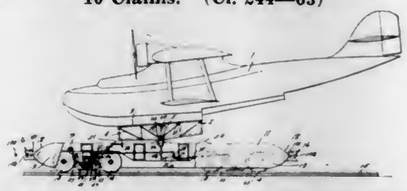
Dexter Farr, Ogden, Utah

Original application May 15, 1933, Serial No. 671,237. Divided and this application June 3, 1936, Serial No. 83,367
4 Claims. (Cl. 107—54)



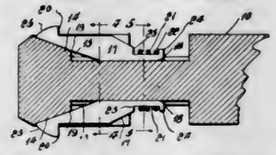
1. The process of producing an edible product which comprises charging a mould with a fluid edible substance, forming a cavity in said substance lined with a water-proof receptacle in which has been temporarily fastened a handle projecting outside of the open end of said receptacle, applying refrigeration to said substance thereby causing the substance to adhere to the outer surface of the receptacle which prevents contact of the substance with the handle, and removing the substance from the mould by means of the handle and the receptacle fastened thereto.

2,181,656
BRAKING METHOD AND DEVICE FOR AIRPLANE LAUNCHING SYSTEMS
Reuben H. Fleet, William B. Wheatley, and Isaac M. Laddon, San Diego, Calif.
Application November 25, 1936, Serial No. 112,802
10 Claims. (Cl. 244—63)



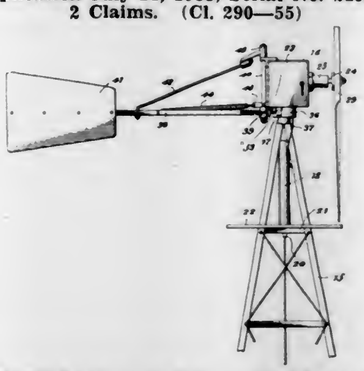
1. A device for launching an airplane comprising a vehicle, a cradle pivoted on the vehicle upon which the airplane is adapted to rest, a contact element adapted to contact the fuselage of the airplane, brakes on the vehicle, and means cooperating with said contact element to apply the brakes on the vehicle when the airplane has left the cradle.

2,181,657
POSITIVE GRIP HEADLESS BOLT
David Herst, Lebanon, Pa.
Application September 8, 1938, Serial No. 229,031
5 Claims. (Cl. 85—3)



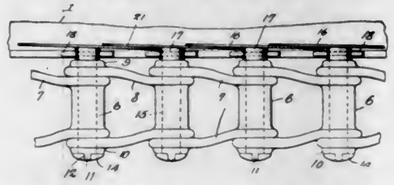
1. A bolt having a shank, said shank provided with a recess open at its periphery, a slidable and rockable head member retractable within the recess so that the shank may be applied to a bolt hole, means to project said member beyond the periphery of the shank to function as a head, and means on the shank engageable with the said member to retain the latter in projected position.

2,181,658
WIND POWER MACHINE
Herbert G. Irwin, Amarillo, Tex.
Application July 14, 1938, Serial No. 219,275
2 Claims. (Cl. 290—55)



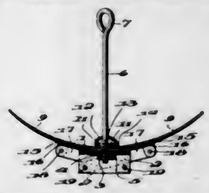
1. A wind power machine comprising a power house with supporting walls forming a compartment, a tower for supporting said compartment for rotating movement, a wind rotor blade, a blade supporting shaft projecting laterally of said compartment, a belt drive wheel carried by said shaft and disposed within said compartment, a shaft bearing support, disposed between said blade and belt drive wheel, said compartment having a passageway around the belt wheel end of said shaft through which an endless belt may be passed onto said wheel, an electric generator disposed within said compartment, a belt for driving said generator from said wheel, and a wind vane attached to said compartment for directing said wind rotor blade toward the wind.

2,181,659
CONVEYER ATTACHMENT
Ben Harve Johnson, Dallas, Tex., assignor of one-half to Joseph A. Gage, Dallas, Tex.
Application February 5, 1937, Serial No. 124,309
1 Claim. (Cl. 198—189)



An attachment for conveyer chains, comprising a disk having a tubular hub the axis of which is disposed out of rightangular relation to the plane of the disk, whereby one disk may overlap another like disk when the hubs receive closely the pintles of a conveyer chain.

2,181,660
EARTH ANCHOR
Leonard D. Kroff, Sterling, Ill.
Application August 22, 1938, Serial No. 226,185
14 Claims. (Cl. 189—92)

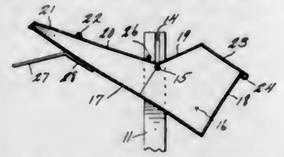


3. An earth anchor comprising a base, an anchor rod connected therewith, an anchor blade slidable on the rod for movement to retracted and extended positions, a beam pivotally connected at one end with the blade, means for pivotally connecting the opposite end of said beam with the base, and means carried by the base on the opposite side of the anchor rod from said pivotal means for supporting the beam intermediate said pivotal connections when the blade is in an extended position.

2,181,661
DISPENSING CONTAINER FOR TACKS
Hubert Elza Lowry, Los Angeles, Calif.
Application July 23, 1938, Serial No. 220,997
1 Claim. (Cl. 221—146)

A dispensing container for tacks and the like comprising a support, spaced standards mounted upright on said support and formed in their upper edges with vertically disposed slots, a spindle received in said slots and extending from one standard to the other, another spindle connected at its ends to said standards and located slightly above the first-named spindle and to one side of the slots, and a chute-like casing pivotally mounted between its ends on the first-named spindle and so mounted thereon that it will be

normally swung to a position where one end will point upward, said swinging movement being limited by contact with the second-named rod,



said chute-like casing being provided at its rear end with a receiving opening and a closure therefor and at its other end with a gravity-closed gate.

2,181,662
HANGER FOR COILED WIRE BOUND TABLETS
James A. MacDonnell, Springfield, Mo., assignor to Springfield Tablet Manufacturing Company, Springfield, Mo.
Application June 25, 1937, Serial No. 150,397
4 Claims. (Cl. 281—25)



2. The combination in a coiled wire bound notebook or the like, of a closed circularly looped portion having its axis different from that of the binding and formed from a part of the wire of the binding and located substantially midway between the ends of the binding and functioning as a hanger therefor.

2,181,663
DIURETHANE-DIAMINE POLYMERIC MATERIALS
Elmore Louis Martin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 10, 1938, Serial No. 207,159
7 Claims. (Cl. 260—2)

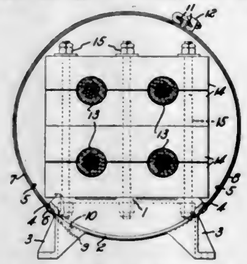
1. A process which comprises reacting in substantially chemically equivalent proportions a diurethane and a diamine under condensation polymerizing conditions, said diurethane being of the general formula

R'OOC—NR''—R—NR''—COOR'

and said diamine being of the general formula HNR''—R'''—NHR'', R and R''' being divalent organic radicals having terminal carbon atoms and a chain of at least two atoms separating said terminal carbon atoms, R' an univalent hydrocarbon radical, and R'' a constituent selected from the class consisting of an univalent hydrocarbon radical and hydrogen.

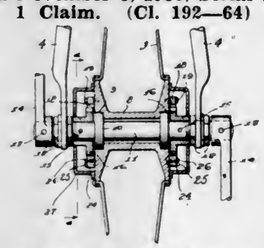
2,181,664
ELECTRICAL BUS SYSTEM
Jacob M. Melzer, Southwest Greensburg, Pa., assignor to Railway and Industrial Engineering Company, Greensburg, Pa., a corporation of Delaware
Application October 4, 1938, Serial No. 233,317
5 Claims. (Cl. 174—99)

1. In an electrical bus system, a bus, insulator means carrying said bus, a base supporting said insulator means and having a flange conforming to a sector of a cylindrical surface, a strap secured to said flange to complete the cylindrical



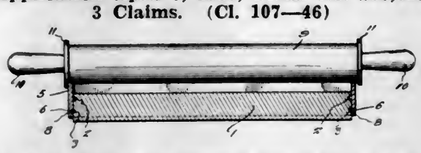
surface, and duct plates clamped to each other and to said cylindrical surface to form a duct enclosing said bus.

2,181,665
PEDAL DRIVE FOR VELOCIPEDES
Arthur C. Messamore, Clinton, Tenn.
Application November 5, 1938, Serial No. 239,147
1 Claim. (Cl. 192—64)



A pedal drive for use on the front wheel of a velocipede having front wheel forks comprising a driving spindle adapted to be rotatably mounted in said forks for operation by said pedals in forward and reverse driving directions, respectively, a hub for said wheel rotatably mounted on said spindle and adapted to be interposed between said forks, and a forward and reverse clutch between said spindle and hub including a pair of disks fixedly connected to said spindle adjacent the opposite ends thereof, respectively, and each notched to provide a pair of teeth thereon, the teeth on each disk being diametrically opposite, and the teeth on each side of said disks being horizontally aligned, a pair of spring-pressed forward driving pawls pivotally mounted on said hub for engagement with the teeth on one side of the disks, and a pair of reverse driving pawls pivotally mounted on said hub for gravitational action to engage the teeth on the other side of said disks.

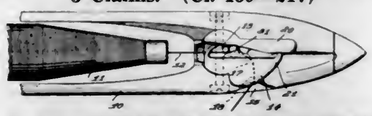
2,181,666
DOUGH ROLLING MEANS
Oscar Molin, Port Arthur, Tex.
Application April 7, 1939, Serial No. 266,619
3 Claims. (Cl. 107—46)



1. A dough rolling means comprising a board, a frame mounted for vertical adjustment on said board and extending thereabove, and means for

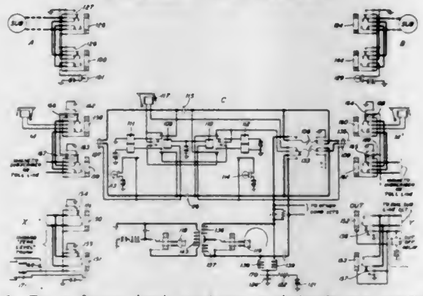
releasably securing the frame in adjusted position on the board, said means including keys, the board and the frame having opposed keyways therein for the reception of said keys.

2,181,667
SHUTTLE
Thomas Murphy, Schoolfield, Va.
Application March 15, 1938, Serial No. 196,067
3 Claims. (Cl. 139—217)



3. In an automatically threading shuttle eye having a thread passage and means to direct a thread downwardly into said passage following replenishment, the combination with relatively displaceable cooperating thread engaging elements associated with said passage, of means located beneath the lower of said elements for yieldingly urging the same upwardly and toward the other of said elements to frictionally grip the thread therebetween, the upper of said elements being of spherical shape and the lower of said elements having a concave surface partially embracing said upper element, said eye being so formed that the thread, when tensioned, extends away from said elements in a generally downward direction, whereby the lower of said elements may yield downwardly to relieve excessive tension on the thread.

2,181,668
TELEPHONE SWITCHBOARD
George Harry Peterson, Glen Rock, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 16, 1938, Serial No. 214,078
4 Claims. (Cl. 179—52)

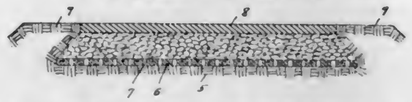


1. In a busy test system, a telephone switchboard, lines terminating in multiple jacks at the switchboard, a cord circuit arranged for testing the busy condition of and for interconnecting said lines, a source of busy potential, and means responsive to the connection of said cord circuit to a jack of one of said lines to connect said source to the sleeves of all the jacks of that line except the sleeve of the jack to which the cord is connected.

2,181,669
PROCESS FOR THE EXTRACTION OF BAUXITE AND OTHER ALUMINUM CONTAINING SUBSTANCES
Rudolf Scholder, Karlsruhe, Germany
No Drawing. Application May 10, 1937, Serial No. 141,862. In Germany May 11, 1936
1 Claim. (Cl. 23—143)

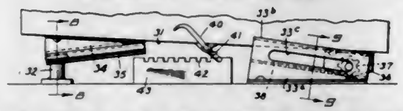
A process for obtaining alumina from aluminiferous materials comprising decomposing the aluminiferous material by a decomposing liquor containing alkali metal oxide and at least one alkali metal halide of the group composed of sodium chloride, sodium bromide, potassium chloride, potassium bromide, the ratio of the alkali metal halide and the alkali metal oxide being approximately 1:3; and producing thereby an aluminate liquor, the alkali metal oxide being present in said liquor in such proportions as to maintain a ratio of the same and the aluminum oxide of between approximately 1.5 to 1 and 1.1:1.

2,181,670
ROAD CONSTRUCTION
Richard J. Shaw, Phoenix, Ariz.
Application July 20, 1938, Serial No. 220,380
1 Claim. (Cl. 94—4)



A pavement comprising a slab base, a layer of granular material disposed on the slab base, and a relatively rigid layer disposed on the granular layer, said base being of a concretious moulded form having vertically extending openings therein and reinforcing members extending longitudinally and transversely therein.

2,181,671
SEAT ADJUSTER
Emory Glenn Simpson and Edwin L. Graf, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 25, 1935, Serial No. 28,327
3 Claims. (Cl. 155—14)

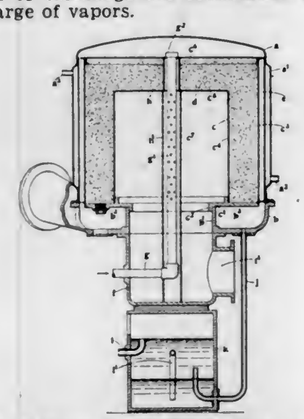


3. A vehicle seat adjuster having in combination, brackets securable to the seat bottom at front and rear thereof and floor supports interengaging with the seat bottom brackets, the bracket and support at the rear arranged to slidably interengage on surfaces so inclined that the seat bracket climbs and elevates on the floor support as it travels forward relatively to the floor support and the front set of brackets and supports slidably engaging and arranged on surfaces so inclined that the seat bracket travels downwardly and descends as the bracket slides forwardly relative to the floor support, the bracket and the support being in the form at the front of an I section short rail engaged by a spring saddle on the seat bracket, the bracket and floor support set in the rear being in the form of a notched track and a slotted guide for the floor support and a bracket securable to the seat bottom journaling an equalizing gear whose teeth engage in the notches of the track.

2,181,672
ADSORBENT FILTER
Edgar Rouse Sutcliffe, Lowton, Newton-Le-Willows, and William Ernest Edwards, Leigh, England; said Edwards assignor to Sutcliffe, Speakman & Company Limited, Leigh, Lancashire, England, a joint-stock corporation
Application October 13, 1937, Serial No. 168,728
In Great Britain March 25, 1936
3 Claims. (Cl. 252—4)

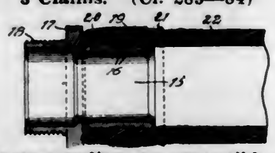
1. A method for the cleansing of an absorbent

filtering medium containing solvent material which comprises passing steam into a central space at the interior portion of the filtering medium to be cleansed and permitting the steam to pass through the body of the filtering medium to the exterior portion thereof, condensing all of the steam and solvent material immediately adjacent the exterior portion of the filtering medium by means of a cooling surface cooled to effect complete condensation thereon, collecting the said condensed steam and solvent material immediately below the said cooling surface and passing the same to a separating zone provided with means to discharge the condensate without the discharge of vapors.



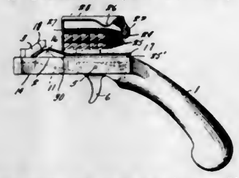
2. A filtering apparatus having provision for the cleansing of an absorbent filtering medium containing solvent material which comprises an outer casing, perforated holding means within said casing for retaining said filtering medium immediately adjacent but spaced from the inner wall of said outer casing and having a central space at the interior portion of the said holding means, a jacket surrounding said outer casing adjacent the filtering medium to permit cooling of the said inner surface adjacent the filtering medium, means for passing a condensable heating medium into the said central space, a collecting chamber immediately below said holding means, a separating chamber provided with means to discharge the condensate without the discharge of vapors, and a conduit for passing the condensed material from the collecting chamber to said separating chamber.

2,181,673
DISTORTED SLEEVE COUPLING
Emerson H. Tompkins, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application September 27, 1938. Serial No. 232,001
3 Claims. (Cl. 285—84)



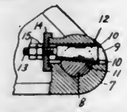
1. In a hose coupling, an expansible nipple for insertion in the end of a hose, and a sleeve for engagement about the hose end, said sleeve having reinforcing opposite end portions to prevent expansion of the sleeve, said sleeve having an intermediate weakened wall section, said nipple adapted to be expanded for expanding the hose end in the sleeve and the sleeve resisting expansion of the hose end at opposite ends of the sleeve whereby the continued expansion of the nipple builds up hose material within the sleeve between the ends thereof and causes the intermediate portion of the sleeve to bulge and form an interlock between the coupling and the hose.

2,181,674
FRUIT PEEL PRESS
Melville D. Truesdale, Greenwich, Conn.
Application August 24, 1936, Serial No. 97,700
Renewed September 26, 1939
2 Claims. (Cl. 87—28)



2. The method of expressing oil from fruit skin comprising holding one end of a strip of peel against a stop while advancing a predetermined section of peel in the direction of the stop so that the peel is folded in the form of a V to express the oil and to cause the particles of oil to flow in a predetermined direction.

2,181,675
LOCKING MEANS FOR BUCKET PINS
George Herbert Watson, Sydney, New South Wales, Australia, assignor to Alluvial Mining Equipment Limited, Sydney, New South Wales, Australia, a company of New South Wales, Australia
Application April 27, 1939, Serial No. 270,441
In Australia October 10, 1938
1 Claim. (Cl. 37—191)

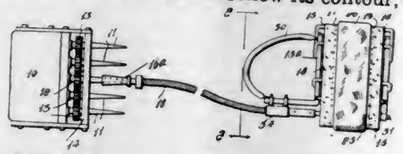


Locking means for bucket pins comprising a headless pin mounted in spaced eyes in the bucket, one of said eyes having a slot through the same intermediate the sides of the eye, said pin having a similar and similarly disposed recess adjacent each end thereof and adapted to register with the slot in the eye, a wedge block disposed in said slot and seating along one side on the recess in the pin and along the opposite side in the slot in the eye, and screw means for forcing said wedge block into locked position, said pin being reversible end for end in said eyes, and those portions of the surface of the pin which are engaged by the wedge block being inclined to the axis of the wedge block, by virtue of all of which when the rear side of the pin wears in use the pin may be reversed in said eyes to present a fresh working surface.

2,181,676
SHOE POLISHING MACHINE
Joseph Wheeler, Kecoughtan, Va., assignor of one-tenth to Harry Fleming, Kecoughtan, Va., and thirty-five per cent to Daniel L. Holden, Washington, D. C.
Application August 19, 1937, Serial No. 159,960
5 Claims. (Cl. 15—97)

1. Apparatus of the class described compris-

ing a frame of arch shape, an endless belt removably interengaged at opposite side edges with the frame and operable to follow its contour, said



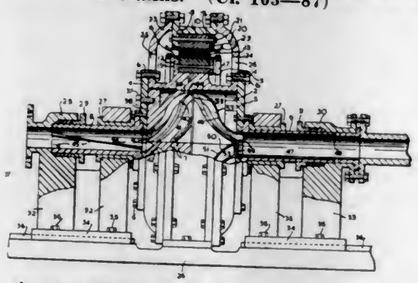
belt being relatively stiff to prevent accidental detachment, a polishing element carried by the belt, and means to drive the belt.

2,181,677

ROTARY PUMPING APPARATUS

Arthur Cyrus Whittome, Johannesburg, Transvaal, and Cebert Boardman, Springs, Transvaal, Union of South Africa, assignors to A. C. Whittome (Proprietary) Limited, Johannesburg, Transvaal, Union of South Africa, a company of the Union of South Africa

Application August 7, 1937, Serial No. 157,962
In the Union of South Africa September 26, 1936
4 Claims. (Cl. 103—87)



1. A centrifugal rotary pumping apparatus comprising fixed co-axial inlet and outlet conduits, a hollow rotatable member co-axial with and connecting said conduits, said hollow member comprising an impeller casing formed as a cylinder, an impeller unit arranged within and replaceably fixed to the cylinder, means for closing one end of the cylinder, a removable end plate fixed to and closing the other end of the cylinder, electric motor rotor parts mounted externally on said cylinder to rotate therewith and a stationary outer casing surrounding said cylinder and having mounted thereon motor stator parts cooperating with said rotor parts to form an operative electric motor therewith; said outer casing being formed at the side adjacent said end plate with an opening permitting the removal of said end plate; and axially displaceable supporting means for said end plate permitting said end plate to be displaced without displacement of said cylinder.

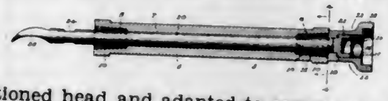
2,181,678

WRENCH

Roy O. Wright, Huntington, W. Va., assignor of one-half to James A. Miller, Huntington, W. Va.

Application October 4, 1938, Serial No. 233,308
2 Claims. (Cl. 81—55)

1. A device of the character described, comprising, a barrel having a bore fashioned at one end with a toothed conical shaped countersink, a head fashioned with a nut receiving socket and with a toothed shank detachably carried within said countersink and effecting meshing of said teeth whereby said head is rotated by said barrel, and a readily detachable lever rotatably mounted in said bore and fashioned with a head formed with a nut receiving socket, said last mentioned head rotatably mounted in said first



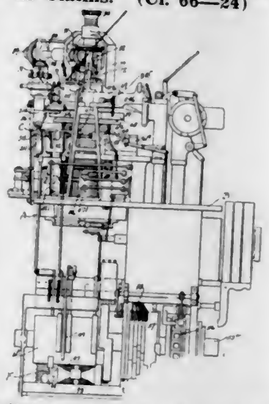
mentioned head and adapted to secure one of a pair of nuts for movement relative to the other when the latter is engaged by the socket of said first mentioned head and said barrel and lever subjected to relative rotation.

2,181,679

KNITTING MACHINE

Harry McAdams, Reading, Pa., assignor to The Nolde and Horst Company, Reading, Pa., a corporation

Application September 19, 1936, Serial No. 101,659
15 Claims. (Cl. 66—24)



6. In a knitting machine the combination of a dial, a set of dial needles, a cylinder, a set of cylinder needles, stitch transfer implements individually associated with predetermined cylinder needles, means for moving said transfer implements along the cylinder needles to move the stitches thereon into transfer relation with the dial needles, and additional means for laterally distending the stitches after they have reached the transfer position in order to permit the dial needles to readily enter the same.

15. In a knitting machine, the combination of a cylinder, a set of needles therefor, a dial, a set of needles radially slidable in the dial for knitting cooperation with the cylinder needles, individual jacks in the dial for the dial needles having butts at relatively different and predetermined levels, and selector cam means operative upon said jack butts for selectively projecting the dial needles.

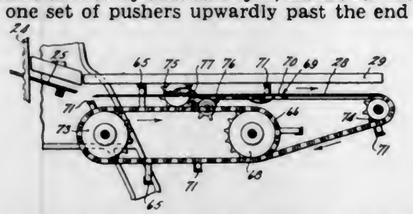
2,181,680

BREAD SLICING MACHINE

William Hoppe, Springfield, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts

Application February 12, 1937, Serial No. 125,371
4 Claims. (Cl. 146—153)

1. In a bread slicing machine, slicing knives, means for pushing an abutting series of loaves through the knives, a slotted delivery table positioned to receive the leading sliced loaf of the abutting series fed through the knives by said means, an endless delivery conveyer, two sets of pushers carried by said conveyer, means for moving one set of pushers upwardly past the end of



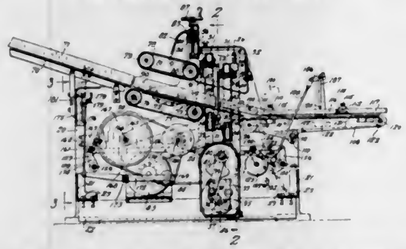
the delivery table adjacent the knives and downwardly through a slot in said table spaced from the knives, and means for moving the pushers of the other set upwardly through a slot in the delivery table to pick up loaves deposited on the table by the pushers of the first set.

2,181,681

BREAD SLICING MACHINE

William Hoppe, Springfield, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts

Application July 13, 1938, Serial No. 218,992
20 Claims. (Cl. 146—153)



1. A knife mounting for bread slicing machines comprising a substantially rectangular frame, means on one side of the frame for removably securing one end of each of a plurality of knives thereto, a member having a plurality of spaced apertures located at the other side of the frame, a plurality of flat springs each extending through one of the apertures and having at one end means for interengagement with a knife, and adjustable set screws carried by the frame for exerting knife-tensioning pressure on the other end of each of the springs.

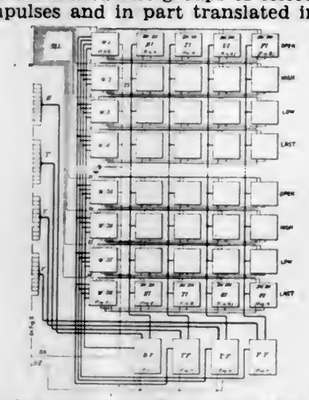
2,181,682

ELECTRIC LONG-DISTANCE INDICATING SYSTEM

Hans Robert Scheidegger, Berlin, Germany, assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Original application January 18, 1929, Serial No. 333,477, now Patent No. 1,958,208, dated May 8, 1934. Divided and this application September 5, 1930, Serial No. 479,831. In Germany July 21, 1928
20 Claims. (Cl. 177—353)

1. Automatic broker's board apparatus comprising indicators for a plurality of stocks or other items, impulse responsive electromagnetic actuating means for operating each indicator impulsively step by step, means operable over a relatively small number of impulse channels for selecting and actuating any desired indicators to cause the same to post digits representative of the quotations, impulse translating devices whereby relatively small numbers of impulses in coded time relationship arriving over said channels are in part translated into groups of selector operating impulses and in part translated into groups



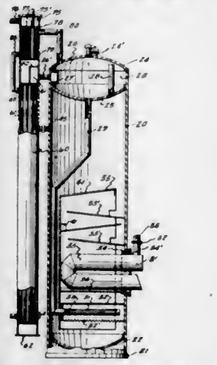
of impulses corresponding in number to the several digits to be posted, and connections whereby such translated impulses effect selection of the desired indicators and actuate the indicators selected impulsively step by step.

2,181,683

TREATMENT OF OIL, WATER, AND GAS EMULSIONS

Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, both of Tulsa, Okla.

Original application March 29, 1935, Serial No. 13,675. Divided and this application September 12, 1936, Serial No. 100,574
2 Claims. (Cl. 183—2.7)



1. A separator including, the combination of an upright tank having means therein for separating gas from the influent entering said tank, a gas condenser at the upper end of the tank having an influent inlet and outlet as well as a gas outlet, means in the condenser for conducting the influent in a segregated path therethrough, means for conducting gas from the separating means of the tank to the condenser, a preheater connected with the outlet of the condenser for receiving the influent therefrom, a conductor for conveying the gas condensate from the condenser to the preheater, means for conducting hot oil from the tank into the preheater and mixing it with the condensate, means for conducting the hot oil from the preheater, means

for conducting the influent through the preheater without contact with any other liquid, the influent passing relatively through the hot oil so as to be preheated thereby, a conductor for conducting the preheated influent from the preheater to the tank, means for maintaining a water level in the tank, means in the tank for washing the influent in the water thereof to separate the oil and water of the influent, means for heating the water in the tank, means for discharging water from the tank.

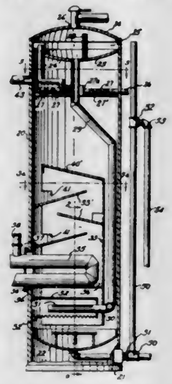
2,181,684

EMULSION TREATING APPARATUS

Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, both of Tulsa, Okla.

Original application March 29, 1935, Serial No. 13,675. Divided and this application September 12, 1936, Serial No. 100,575

10 Claims. (Cl. 183—2.7)



7. A separator including, an upright tank, a gas outlet in the top of the tank, a body of water in the tank, means for heating said body of water, an oil outlet at the upper end of the tank maintaining an oil level near the top of the tank, the tank having a gas chamber at its extreme upper end adjacent the oil level, a coiled preheating and cooling conductor extending horizontally across the upper portion of the tank just below the oil level, whereby said coiled conductor is immersed in the hotest zone of said oil, said coiled conductor having an inlet for an oil well emulsion mixture and an outlet, means for conducting the mixture from the outlet of said conductor free from admixture with the oil to the lower end of the body of water, the said preheating and cooling conductor being closely coiled to provide amplified and long extended heat exchange surface and carrying the relatively cool influent through a segregated and greatly prolonged travel path in the hottest zone of the heated oil to heat said influent by heat exchange and to liberate gas therein, and means for discharging water from the tank.

2,181,685

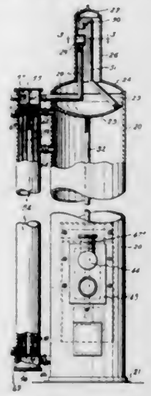
TREATMENT OF OIL, GAS, AND WATER EMULSIONS

Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, Tulsa, Okla.

Application September 14, 1936, Serial No. 100,655

14 Claims. (Cl. 183—2.7)

1. The method of dehydrating crude oil emulsions which includes, dividing the flowing emulsion into small streams and preheating prior to washing in water to liberate entrained gas, scrubbing the preheated emulsion to remove gas therefrom to produce a crude oil and water mixture substantially free from gas except gas in solution, maintaining a body of water at a substantially predetermined level to form a washing zone, discharging water from said body to substantially maintain said level, floating dehydrated oil upon said body of water to form an oil zone, heating said body of water, flowing said mixture from the gas separation step to the body of heated water for its initial washing, conducting the crude oil emulsion in a circuitous path upwardly through the washing zone of said body of heated



water and thoroughly washing said emulsion, at the same time carrying off water from the washing zone at various elevations below the oil zone in said circuitous path to quickly remove water from the upwardly flowing emulsion and flowing the carried-off water downwardly through a segregated channel to obviate counter flow through said washing zone as well as to cool said segregated water, and also at the same time recirculating said segregated water concurrently with the mixture, whereby a thermo syphonic flow of the water is maintained for accelerating the circulation of said washing water and separation of the components of the mixture, cooling gases above the oil zone to precipitate the condensate into the oil to enrich the latter, and carrying dehydrated oil from the body of oil.

2,181,686

APPARATUS FOR TREATING OIL EMULSIONS

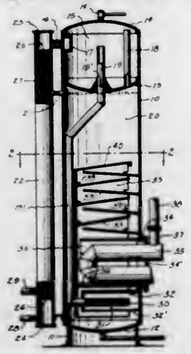
Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, both of Tulsa, Okla.

Application December 17, 1937, Serial No. 180,458

1 Claim. (Cl. 196—5)

In an emulsion treating apparatus, the combination of an upright tank having a transverse partition across its upper portion dividing said tank into a separating chamber above said partition and an oil washing portion below said partition, an elongate preheater mounted vertically on the outer side of said tank and having transverse heads adjacent its ends constituting an oil flow space therebetween, an oil outlet extending from the preheater and oil space above the lower head, tubes extending from one head to the other head, a conductor extending from the upper end of the preheater to the separating

chamber of the tank, and a short oil outlet conductor extending from the tank below the parti-



tion to the upper portion of the oil space of the preheater.

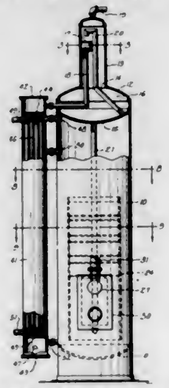
2,181,687

OIL, GAS, AND WATER SEPARATOR

Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, both of Tulsa, Okla.

Application December 17, 1937, Serial No. 180,459

6 Claims. (Cl. 183—2.7)



6. In an oil, gas and water separator, the combination of a relatively large diameter upright tank of sufficient height for carrying out a complete oil washing operation therein, a vertical tower of relatively small diameter mounted upon and extending upwardly from the top of the tank, an inlet intermediate the ends of said tower for introducing an oil, gas and water mixture thereinto, means at the inlet for causing the mixture to quickly whirl around the tower for rapidly scrubbing out entrained gas to produce a more stable mixture, a gas discharge pipe leading from the tower above the inlet thereto, the lower end of the tower being open, a dished head extending across the upper end of the tank adjacent the lower open end of the tower for providing a receiving chamber in the tank between said head and the tower for receiving the oil and water mixture from which the gas is separated in the tower, means for carrying off water from the tank for maintaining a body of water therein of substantial height, a relatively small pipe for steadily carrying the oil and water mixture from the receiving chamber to the lower portion of the tank, means within the lower portion of the tank connected with said pipe for discharging the oil and water mixture into the body of water in a wide transverse path so that the oil and water mixture may flow upwardly through the body of water in amplified surficial contact therewith, means for artificially heating the body of water, and means for discharging oil from the tank at a point above the water level and below the transverse head.

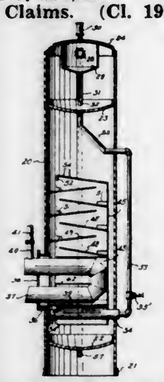
2,181,688

TREATMENT OF OIL, GAS, AND WATER EMULSIONS

Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to Cecil G. Wells, both of Tulsa, Okla.

Continuation of application Serial No. 100,577, September 12, 1936. This application June 21, 1939, Serial No. 280,362

19 Claims. (Cl. 196—5)



1. A separator for oil emulsions including, a tank, an upright housing secured in said tank open at its top and bottom and having its walls contiguous to the wall of the tank to form vertical water circulating passages therebetween, the passages having inlets from the housing at various elevations, a heater in said housing for inducing the water to circulate therethrough, means for discharging a water and oil mixture into said housing, means in the housing for elongating the path of the liquids flowing therethrough, and means in the housing for segregating the liquids flowing through the housing into numerous small streams.

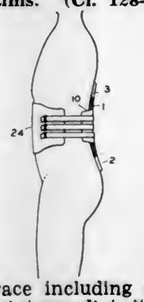
2,181,689

SPINAL BRACE

William L. Bell, Oakland, Calif.

Application February 10, 1936, Serial No. 63,052

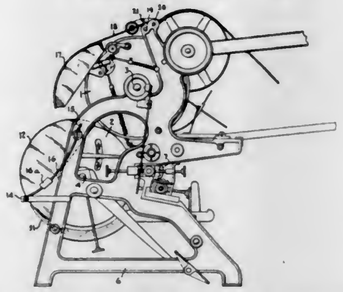
5 Claims. (Cl. 128—78)



1. A spinal brace including a bridge having lateral extensions intermediate its ends, the upper and lower ends of said bridge being arranged to

engage the spine at the dorsal and the sacral regions respectively; and an abdominal belt attached to the lateral extensions of said bridge.

2,181,690
HEATING MEANS FOR PLATE CYLINDERS OF ROTARY PRESSES
Donald L. Boyd, Huntington, W. Va., assignor to Carb-O-Spot Corporation, Athens, Ohio
Application November 30, 1938, Serial No. 243,089
7 Claims. (Cl. 101—216)



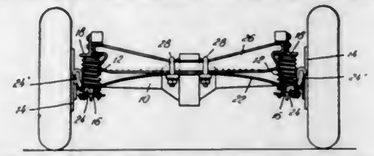
7. In a press of the character described, an inking mechanism comprising an ink fountain and a printing mechanism comprising a plate cylinder in cooperation with said inking mechanism; heating means for said mechanisms consisting solely of a fountain heater and radiant heating means externally adjacent said printing mechanism.

2,181,691
DRY-CLEANING PROCESS
Edmond H. Bucy, Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 11, 1936, Serial No. 100,385
3 Claims. (Cl. 91—68)

1. The process of cleaning and renovating a fabric having an impregnation of a water-insoluble cellulose ether to protect it against water-spotting and adherence of dirt without substantially altering the flexibility, feel, and appearance of the fabric and without appreciably increasing the stiffness of the fabric, which comprises dry-cleaning the fabric by subjecting it to the action of dry-cleaning solvents, thereby removing from the fabric the protective water-insoluble cellulose ether impregnation together with adhered and imbedded dirt, then immersing the fabric in a dilute solution of a water-insoluble cellulose ether in a volatile organic solvent therefor, and allowing the volatile organic solvent to evaporate from the fabric, whereby the fibers of the fabric are impregnated with a quantity of the cellulose ether such that the fabric is protected against water-spotting and adherence of dirt, while its flexibility, feel and appearance are not substantially altered and its stiffness is not appreciably increased.

2,181,692
SPRING SUSPENSION FOR AUTOMOBILES
Gordon Walcott Crowell, Belleville, N. J.
Application April 27, 1938, Serial No. 204,518
8 Claims. (Cl. 267—16)

1. In combination in a spring suspension for vehicles, an axle assembly, a spring positioned adjacent a wheel adapted to support at least the major portion of the normal sprung weight at said wheel, a supplemental arcuate spring member fastened to the frame of the vehicle and to the axle assembly, a frame member above and adjacent to said supplemental spring member and aligned therewith in such position that as the distance between the frame and the axle housing is



decreased, the supplemental spring member progressively flattens into contact with said frame member, said supplemental spring member carrying an increasing proportion of the load on the spring assembly as the distance between the axle housing and the frame decreases.

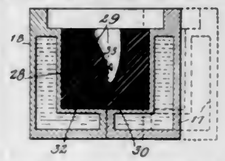
2,181,693
STEEL TREATMENT
Samuel Epstein, Bethlehem, and Hugo C. Larson, Johnstown, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application September 8, 1937, Serial No. 162,848
12 Claims. (Cl. 75—56)



Ingot No. 8, treated with 1% $NaNO_3$.

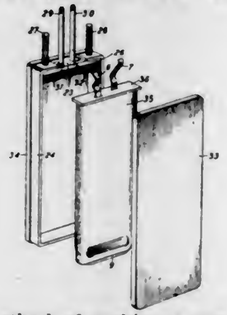
1. The method of manufacturing rimmed steel comprising the step of adding a highly oxidizing agent of the group comprising potassium chlorate, sodium nitrate, potassium permanganate and potassium dichromate and their equivalents to the molten metal after tapping.

2,181,694
METHOD OF MAKING ARTIFICIAL TEETH
Fred R. Felcher, Chicago, Ill.
Application June 18, 1938, Serial No. 214,430
6 Claims. (Cl. 18—55.1)



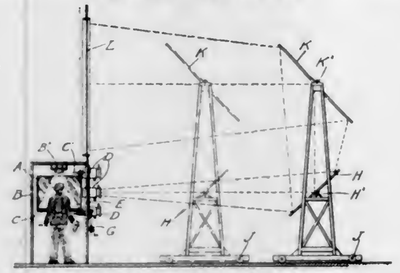
1. The herein described method of making artificial teeth, which consists in producing a soft rubber mold having a mold cavity of the form desired, splitting the rubber mold longitudinally through said cavity, forcing metallic retaining members into the wall of the cavity with parts extending into said cavity, closing the mold and filling it with porcelain tooth material thinned with water or other suitable liquid so as to flow readily down into the mold, vibrating the mold for a sufficient time to properly settle and solidify the tooth material and force the thinning liquid to the top where it can be readily removed, drying the mold with its contained tooth a sufficient time to properly set the tooth material and finally opening the mold for the removal of the formed tooth.

2,181,695
ELECTRICAL CONDENSER
Frederick J. Given, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 29, 1936, Serial No. 93,183
2 Claims. (Cl. 175—41)



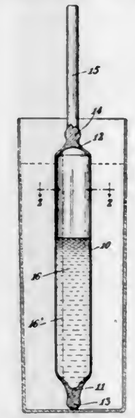
1. The method of making a condenser which comprises forming a condenser unit, placing said unit in a collapsible casing having an opening therein, pressing said encased unit to a desired shape, and while under such pressure subjecting the encased unit to drying, impregnating and cooling operations and then sealing said opening with a sealing compound.

2,181,696
PROJECTION DEVICE
William Herrschaft, New York, N. Y.
Application February 4, 1937, Serial No. 123,944
2 Claims. (Cl. 88—24)



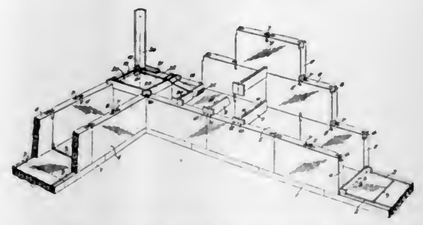
1. A device for projecting image reflections upon a screen comprising a reflecting mirror angularly positioned and angularly adjustable, a light disposed adjacent said mirror, a disk movably mounted in the reflecting path of said mirror, said disk carrying a plurality of objective lenses of different focal lengths, the optical axis of said lenses being parallel to the axis of said disk, means to move said disk to bring different of said objective lenses into optical alignment with said mirror to project an object, and secondary mirrors in the projection path to direct the projection beam upon said screen, said secondary mirrors being angularly adjustable, whereby upon changing the angular position of the respective mirrors and moving said lens carrying disk different screen projection effects are obtained.

2,181,697
BEVERAGE COOLER
Charles Kavalir, New York, N. Y.
Application May 26, 1938, Serial No. 210,130
3 Claims. (Cl. 62—1)



1. A cooling device for a relatively tall column of beverages or the like, comprising an elongated sealed vessel of a substantially uniform cross section and of a sufficient length to at least equal the height of such column, a congealable medium partially filling the vessel and adapted to be congealed while the vessel is in a substantially horizontal position.

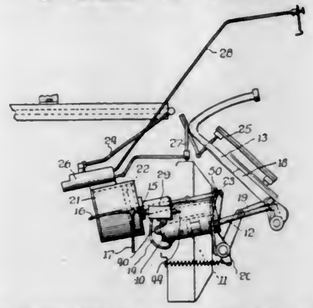
2,181,698
WALL CONSTRUCTION
Frederick G. Langenberg, St. Louis County, Mo.
Application September 29, 1938, Serial No. 232,388
9 Claims. (Cl. 72—44)



1. A wall comprising a longitudinal series of slabs forming a base and having longitudinal grooves in their upper sides near their side edges and transverse grooves intermediate their ends connecting said longitudinal grooves, a longitudinal series of vertical slabs seated upon the margins of said base slabs and having grooves in their end corners, and transverse tie members seated in said transverse grooves of said base

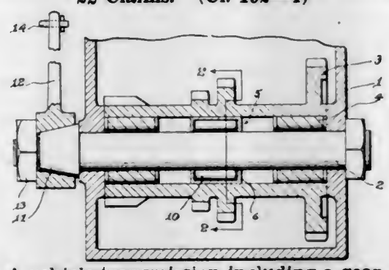
members and interlocking in said longitudinal grooves of said base members and in said corner grooves of said slabs.

2,181,699
MOTOR VEHICLE
Max Leichsenring, Jr., Chicago, Ill.
Application August 23, 1933, Serial No. 686,397
31 Claims. (Cl. 192—13)



1. The combination, in a vehicle, of a fluid brake system, a clutch mechanism, a valve interposed in said system to control the flow of fluid in a brake releasing direction and including yieldable means normally permitting said valve to occupy an open position, means connected with said mechanism and operable therewith to close said valve after said mechanism has moved to a disengaged condition, said valve when closed being effective to entrap fluid in the system in brake applying condition.

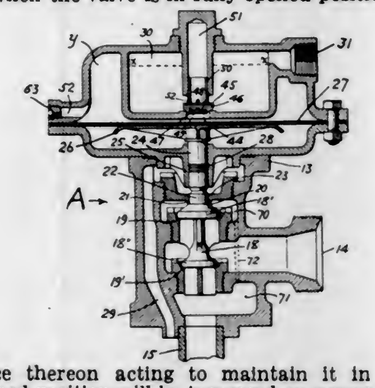
2,181,700
CONTROL MEANS FOR DRIVING AND DRIVEN ELEMENTS
Max Leichsenring, Jr., Chicago, Ill.
Application July 26, 1932, Serial No. 624,807
22 Claims. (Cl. 192—4)



1. A vehicle transmission including a gear, and a rotating shaft upon which said gear is mounted, and comprising, in combination therewith, a uni-directional clutch disposed between said gear and shaft for preventing relative rotation of the gear with respect to the shaft in one direction, a brake system having operating mechanism controlling said system, and adjustable means for yieldingly connecting said shaft to the brake operating mechanism of the vehicle.

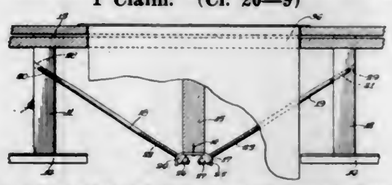
2,181,701
INJECTOR
Hermann E. F. C. Lingenbrink, Philadelphia, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application June 30, 1939, Serial No. 282,041
9 Claims. (Cl. 103—265)

1. In combination with a boiler feed water injector adapted to be operated wholly or partially with exhaust steam, a conduit for the supply of exhaust steam from an engine to the injector, a conduit for the supply of auxiliary steam to the injector from a source of live steam when exhaust steam is not available, a valve in said auxiliary steam conduit for controlling the supply of auxiliary steam to the injector, said valve being at least partially balanced, means whereby when the valve is in fully opened position the



force thereon acting to maintain it in fully opened position will be increased as compared to the force acting to open the valve when the valve is in closed and partially open position, a pressure responsive diaphragm mechanically connected to said valve and a passage affording communication between the exhaust from an engine and said diaphragm, said diaphragm being arranged so that the pressure of exhaust steam will be exerted thereon in a direction to close said valve.

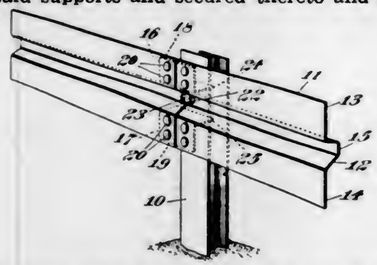
2,181,702
ADJUSTABLE JOIST SUPPORT
William J. Masoner, Chicago, Ill.
Application July 25, 1938, Serial No. 221,047
1 Claim. (Cl. 20—9)



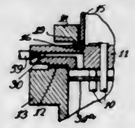
An adjustable joist support comprising an intermediate joist engaging member, adapted to engage the lower face of a joist, means for securing the member to the joist said member having downturned arcuate end portions provided with slotted openings therein, coach screws passing through the slotted openings, the free ends of the screws being adapted to be screwed into adjacent joists, rounded washers fitted on said screws adjacent the under arcuate faces of the intermediate member, and nuts threaded on the ends of the screws adjacent said washers.

2,181,703
HIGHWAY GUARD
Joseph E. McCracken, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application April 30, 1937, Serial No. 139,926
7 Claims. (Cl. 256—13.1)

1. A highway guard comprising a plurality of spaced supports and rails intermediate said supports, said rails comprising impact receiving portions spaced from said supports and a centrally disposed longitudinal corrugated portion engaging said supports and secured thereto and relatively short members intermediate the support and the rails having their ends terminating adjacent the supports.

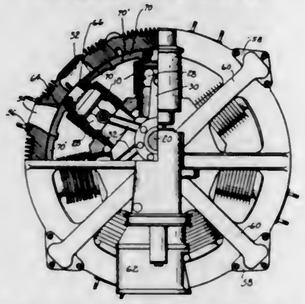


2,181,704
HEAT TRANSFER APPARATUS
Daniel Raymond McNeal, Abington, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 26, 1935, Serial No. 51,581
3 Claims. (Cl. 257—224)



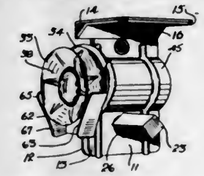
2. Heat transfer apparatus including a generally upright tubular shell, a nest of tubes in the shell, a tube sheet at the upper end of the shell having a diameter larger than the inside diameter of the shell, means securing the tube sheet against the end of the shell, and a vent for the shell space including a passage formed in said sheet and having its inlet end opening through the side face of the sheet presented to the interior of the shell and having its outlet end opening through an edge of the sheet.

2,181,705
ENGINE
André J. Meyer, Lexington, Ky., assignor to Mawen Motor Corporation, New York, N. Y., a corporation of Delaware
Application June 7, 1938, Serial No. 212,222
21 Claims. (Cl. 123—44)



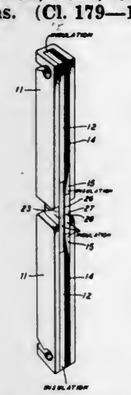
1. In a bi-rotary engine, a cylinder bank including a cylinder having a port at its outer end, and an annular valve member having an exhaust gas passage extending therethrough, said passage terminating at its inner end in an exhaust port, said exhaust port being located so as to be brought into and out of communication with the cylinder port by relative rotary movement between the cylinder bank and the valve member, the trailing portion of the wall of said exhaust passage being shaped to direct the outflowing gases after they leave the cylinder port in a direction having a tangential component in the direction of relative movement of the valve member with respect to the cylinder bank.

2,181,706
VENETIAN BLIND TILTER
Jules Nisenson, New York, N. Y., assignor to Unit Venetian Blind Supply Co., New York, N. Y., a corporation of New York
Application January 17, 1939, Serial No. 251,359
6 Claims. (Cl. 156—17)



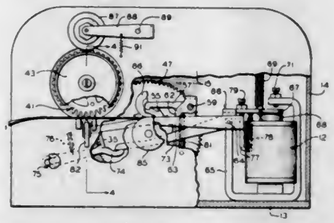
1. In a Venetian blind tilting mechanism having a pulley adapted to be engaged by a flexible element such as a cord or chain: a movable guide for said flexible element adapted in a first position thereof to maintain said flexible element in operative contact with said pulley, and in a second position thereof to lie spaced from said pulley whereby the flexible element may be removed entirely from the pulley or replaced; a frame element such as a casing; means on said guide slidably supported by said frame element when the said guide is in the first position thereof.

2,181,707
POLE PIECE FOR MAGNETIC TELEGRAPHONES
George E. Perreault, Bronxville, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 12, 1938, Serial No. 195,429
4 Claims. (Cl. 179—100.2)



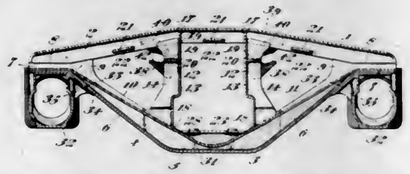
1. A pole piece for telegraphones having a replaceable tip portion comprising a short thin lamination of magnetic material and lateral supporting members therefor extending into and secured to the body of the pole piece.

2,181,708
PRINTING TELEGRAPH APPARATUS
Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 14, 1935, Serial No. 49,718
34 Claims. (Cl. 178—35)



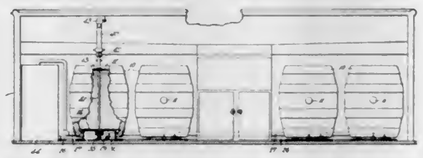
1. In a printing telegraph receiver, a start-stop shaft, a normally energized magnet, a printing means, means responsive to the deenergization of said magnet for releasing said shaft for rotation, and means effective upon the reenergization of said magnet for controlling the operation of said printing means.

2,181,709
WELDED TRUCK SIDE FRAME
Charles Schenck, Coopersburg, and Louis G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application October 23, 1936, Serial No. 107,110
20 Claims. (Cl. 105—205)



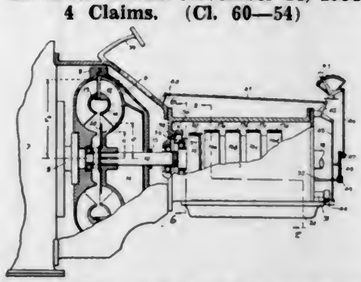
1. A truck side frame comprising separate top and bottom arch bars of trough section having their end portions welded together, and a separate plate reinforcement enclosed by and coextensive with the bottom arch bar and connected thereto on the opposite side edges by a continuous weld.

2,181,710
BREW COOLING
Herman E. Schulse, Miami, Fla.
Original application September 9, 1933, Serial No. 688,779. Divided and this application October 9, 1937, Serial No. 168,265
13 Claims. (Cl. 62—141)



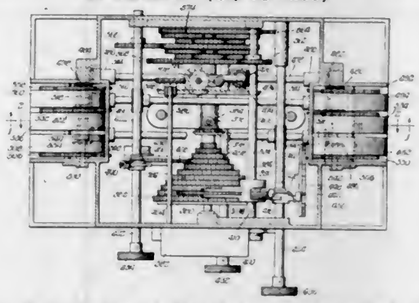
1. A keg for shipping, cooling and dispensing beverages, said keg having a chime and a metal end wall secured therein, said end wall having removably affixed to the exterior surface thereof an insulating cover therefor, countersunk with respect to the rim of the keg structure.

2,181,711
POWER TRANSMISSION SYSTEM
Harold Sinclair, Kensington, London, England
Application June 13, 1935, Serial No. 26,344
In Great Britain November 14, 1934
4 Claims. (Cl. 60—54)



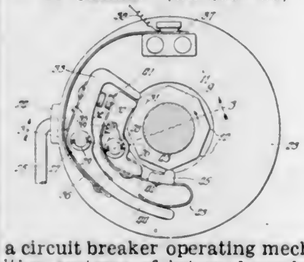
1. A hydraulic coupling of the constant-filling kinetic type as hereinbefore defined comprising a rotatable driving member and a rotatable driven member, said members being juxtaposed to form between them an annular working circuit, a reservoir chamber rotatable with one of said members, a duct communicating between said circuit and said reservoir chamber and serving automatically to remove liquid from said circuit at a relatively slow rate when the slip between said members increases, and a baffle member projecting into the radially inner part of said circuit and serving to produce a substantially instantaneous retardation of the circulation in said circuit when the slip is suddenly increased.

2,181,712
GEARING FOR LIQUID DISPENSING APPARATUS
Harvey L. Spaunburg, Bristol, and Edward A. Siye, East Hartford, Conn., assignors, by mesne assignments, to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application August 11, 1937, Serial No. 158,597
12 Claims. (Cl. 74—283)



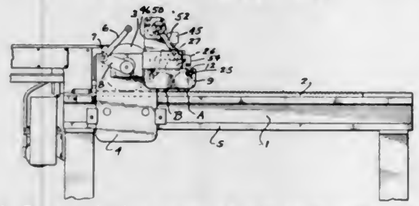
1. In a device of the character described, the combination of a drive shaft adapted to be connected to indicating mechanism, a gear cone mounted to rotate with said drive shaft, a plurality of supplemental shafts disposed adjacent said cone and being substantially parallel with said drive shaft, a driven shaft adapted to be connected to other indicating mechanism, differentially arranged gear means operatively connecting said supplemental shafts to said driven shaft, a gear slidably and non-rotatably mounted on each of said supplemental shafts, a movable member mounted to move with each of said last named gears, a shifting gear carried by each of said movable members operatively connected to the slidable gear and adapted to engage a selected step of said cone, and means for selectively engaging said shifting gear with said gear steps, said means including a plurality of shafts parallelly disposed, each of said shafts having operating means thereon disposed at the same ends of said shafts.

2,181,713
BREAKER POINT OPERATING MECHANISM
Fred J. Svoboda, Berwyn, Ill.
Application July 13, 1938, Serial No. 218,953
11 Claims. (Cl. 200—30)



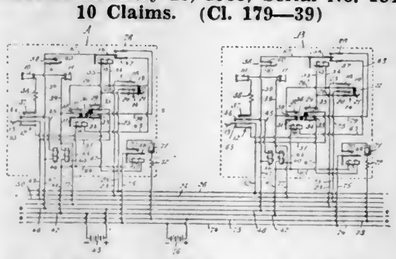
8. In a circuit breaker operating mechanism for the ignition systems of internal combustion engines, the combination of a pair of electrical contacts, inner and outer supporting members pivotally mounted intermediate their ends for supporting said contacts on adjacent sides of said members and adjacent one of the end portions thereof, a cam operatively related to said end portions of the respective members for determining the relative positions of said contacts, resilient spring means mounted on the respective opposite end portions of said inner and outer members, a wear-piece mounted on each of said springs engaging said cam and cooperable with the springs for yieldingly urging said first mentioned end portions of the members toward the cam and into engagement therewith for determining the relative positions of said contacts, said cam having a plurality of lobes engageable with said inner member for moving the contact thereon into engagement with the other of said contacts on said outer member, said lobes being engageable also with a portion of said outer member for moving said other contact mounted thereon away from and out of engagement with the contact on said inner member.

2,181,714
PRINTING PRESS
David D. Vandercook, Evanston, and Otto C. Geffken, Chicago, Ill., assignors to Vandercook & Sons, Chicago, Ill., a copartnership consisting of Robert O. Vandercook, Edward O. Vandercook, David D. Vandercook, and Frederick R. Vandercook
Application July 18, 1938, Serial No. 219,696
5 Claims. (Cl. 101—354)



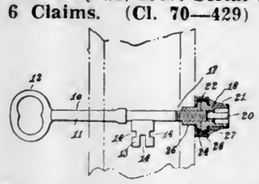
1. In a printing press of the type described, a form inking roller and a supporting frame in which the roller is journalled, wheels on said roller engageable with rails on the press bed, said wheels being primarily dimensioned to cause rolling engagement of the form roller with a form on the press bed as said wheels roll along said rails during bodily travel of the roller supporting frame, a distributing roller above said form roller having inking engagement therewith, supporting wheels for said distributing roller resting on said form roller wheels, and means for positively rotating said distributing roller at a speed which will tend to cause the distributing roller wheels to rotate the distributing roller in synchronism with the form roller and to cause the distributing roller wheels to maintain the rolling engagement of the form roller wheels with the rails to prevent slippage of the wheels on the rails.

2,181,715
SECRECY INTERCOMMUNICATING TELEPHONE SYSTEM
William H. Waite, Lynbrook, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application January 13, 1938, Serial No. 184,779
10 Claims. (Cl. 179—39)



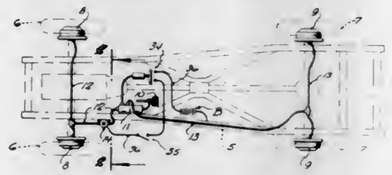
1. In a telephone system, the combination of a plurality of stations each having a telephone instrument, talking lines interconnecting said instruments, a switch at each station for energizing the talking line of a selected other station, a control relay across said talking line at each local station responsive to previous energization of a talking line by a remote station switch upon actuation of the corresponding local switch calling said last-named remote station, and a connection to the said last-named local station telephone instrument controlled by said relay whereby communication between said last-named local station telephone instrument and said last-named remote station telephone instrument is prevented while the latter remains busy.

2,181,716
EMERGENCY KEY FOR DOOR LOCKS
William H. Wilson, Somerville, Mass.
Application February 21, 1939, Serial No. 257,770
6 Claims. (Cl. 70—429)



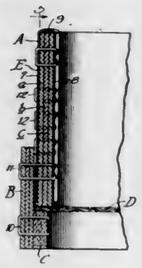
1. A key for mortise locks of doors having integral therewith a threaded extension alined with the body portion of said key and projecting beyond the outer face of the door, the outer end of said extension having flat sides, and a cup-shaped member threaded to and surrounding the projecting portion of said extension.

2,181,717
BRAKE CONTROL FOR AUTOMOTIVE VEHICLES
Leo A. Wood and Wallace E. Weller, Fond du Lac, Wis.
Application May 10, 1937, Serial No. 141,722
11 Claims. (Cl. 188—152)



1. In combination with an automotive vehicle equipped with four-wheel brakes: fluid pressure operated means for applying said brakes, said means including a central source of fluid pressure under the control of the operator and connections leading from said central source to the brakes; valve means interposed in the connection between said central source and the front-wheel brakes for disconnecting said front-wheel brakes from said pressure source; electromagnetic means for actuating said valve; and means operable upon a rise in pressure at said source for controlling energization of said electromagnetic means.

2,181,718
SIEVE
Charles B. Arnold, Chicago, Ill., assignor to Seymour & Peck Co., Chicago, Ill., a corporation of Delaware
Application March 19, 1938, Serial No. 196,853
2 Claims. (Cl. 209—403)

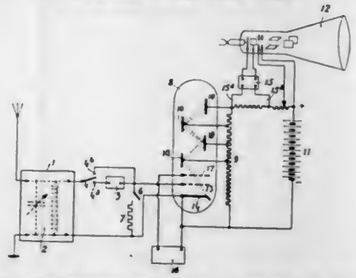


1. A sieve comprising a body of plywood having a permanent cylindrical form with its ends aligned for butt joint engagement, a metal strap of materially greater width than said joint applied over one face of the body at the joint to extend from top to bottom thereof, the strap being extended over the top edge of the body and down upon the opposite face to furnish a support for maintaining the body ends in enclosed, abutting alignment, a plywood hoop surrounding the body, and a screen extending across the bottom end of the body with its edges upturned to overlie said strap between the body and hoop, tongue means carried by the strap in engagement with the body adjacent its ends acting to prevent separation thereof, and staple means extending transversely through the hoop, screen, strap and body on each side of said joint, whereby a sieve of minimum weight having maximum strength and durability is provided.

2,181,719
PRESERVATION OF RUBBER
William Baird and Maldwyn Jones, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Original application May 21, 1936, Serial No. 81,124. Divided and this application February 2, 1937, Serial No. 123,601. In Great Britain May 24, 1935
8 Claims. (Cl. 18—50)

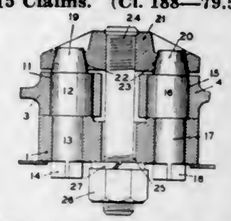
1. The method of preserving rubber which comprises incorporating therein a 1:3:2-xylenol substituted in the 5-position by a methyl group having one hydrogen replaced by an amino radical, in which the amino radical is a member of the group consisting of piperidino, morpholino and dialkylamino radicals, each alkyl group containing 1 to 4 carbon atoms.

2,181,720
TELEVISION RECEIVER
René Barthelemy, Fontenay aux Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Seine, France
Application March 19, 1937, Serial No. 131,836
In France March 21, 1936
2 Claims. (Cl. 178—7.5)



1. In a television receiver comprising an electron multiplier and a cathode ray oscillograph the combination with a single source of electricity of a potentiometer in shunt with said source, a plurality of taps on said potentiometer for feeding the different multiplier and oscillograph electrodes, an auxiliary electrode arranged within said multiplier and forming a condenser with the last but one electrode of said multiplier for tapping the synchronization signals in the electron flux traversing said multiplier, and means controlled by the circuit of said auxiliary electrode for synchronizing the sweeping of the image point in said oscillograph.

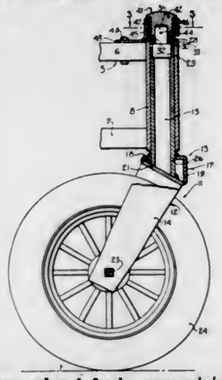
2,181,721
MOUNTING FOR BRAKE SHOES
Werner F. Boldt, Overland, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 14, 1938, Serial No. 184,942
15 Claims. (Cl. 188—79.5)



1. In braking mechanism, a support, a brake

friction element, a rotatable anchor pin carried by the support and provided with an eccentric portion cooperating with the friction element for adjusting purposes, and means for clamping the pin in an adjusted position and comprising a member engaging one end of the anchor pin and a second member independent of the anchor pin and cooperating with the support at a point adjacent the anchor pin for causing said first named member to be drawn toward the support to clamp the pin to the support.

2,181,722
CASTER WHEEL
Russell A. Butter, Orion, and Leonard B. Neighbour, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 29, 1937, Serial No. 145,488
4 Claims. (Cl. 16—31)



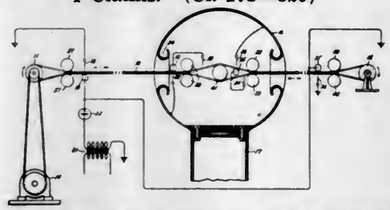
1. A caster wheel fork comprising a triangular tubular central tie portion including an angle member and a plate member, said angle member being positioned with one side disposed in a horizontal plane and the opposite side disposed in a vertical plane, said plate member extending diagonally between outer edges of said angle member and secured thereto, said horizontal side having an aperture, a vertical stem extending through said aperture and resting on said plate member and secured to said horizontal side and said plate member, and an elongated plate at each side of said tie portion and secured to the ends of said angle member and said plate member and extending downwardly therefrom.

2,181,723
EXTENSIBLE HASP AND HINGE FITTINGS FOR ATTACHÉ AND SUIT CASES AND THE LIKE
Charles William Cheney, Soho, Birmingham, England
Application May 14, 1938, Serial No. 207,958
In Great Britain March 25, 1937
2 Claims. (Cl. 292—285)



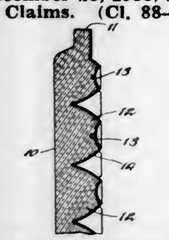
1. An extensible hasp or hinge fitting of the character described, comprising an elongated box-like casing open at one end, a sheet metal slide of channel cross-section to telescope within said casing, said slide having outer side walls on the base of the channel and inner side walls lying adjacent to and parallel with said outer side walls and being integrally connected thereto, said inner side walls having opposite pivot bearing holes covered by the outer side walls, a member hinged to the outer end of the slide, a spring operated pawl hinged to the inner end of the slide and a lever-bar having pintles pivoted in the pivot bearing holes of the inner side walls of the slide so as to be protected against adverse weather conditions and invisible and inaccessible from the outside, said lever-bar connecting the pawl with the said hinged member.

2,181,724
ELECTROSTATIC MACHINE
William D. Coolidge and William K. Kearsley, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application September 21, 1938, Serial No. 231,086
4 Claims. (Cl. 171—329)



1. An electrostatic machine of the type which employs a charge accumulator, a charging device, and a continuous belt for carrying charges between the charging device and the accumulator, wherein the opposed sides of the belt operate in substantially direct contact in the region between the charging device and the accumulator.

2,181,725
REFLECTOR
Arthur F. Eckel, Chicago, Ill.
Application December 28, 1936, Serial No. 117,696
6 Claims. (Cl. 88—78)

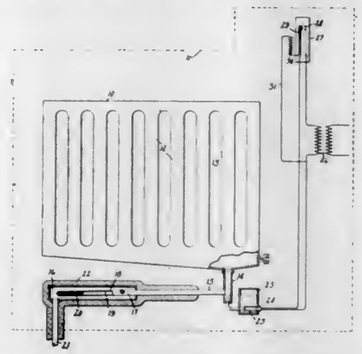


1. A light reflecting unit having a reflecting surface comprising a paraboloid truncated at right angles to the axis and through the focus thereof, and the apex portion of a second paraboloid substantially identical with the first mentioned paraboloid and inverted with respect thereto connected to the first paraboloid so that the axes and foci of the two paraboloids are coincident.

2,181,726
APPARATUS FOR TRANSFERRING HEAT
Marcus E. Fiene, Bailston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application April 24, 1937, Serial No. 138,789
2 Claims. (Cl. 237—2)

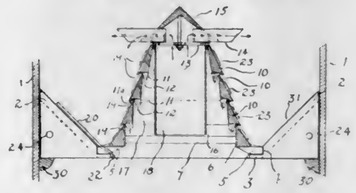
1. In combination, a latent heat exchanger having a wall separating a vaporizing chamber and a condensing chamber, means for supplying a body of vaporizable liquid under relatively low pressure to said vaporizing chamber and in contiguity to said wall, means for supplying a vaporized fluid at relatively high temperature and pressure to said condensing chamber to maintain said wall at a temperature above the critical nonwetting temperature-pressure range within said vaporizing chamber, and a plurality of projec-

tions extending from said wall and having the ends thereof of relatively slight heat conducting and storage capacity for engaging with said body of vaporizable liquid to reduce the temperature



of said end portion below the critical pressure-temperature range and thereby provide a wetting heat conducting contact with said body of vaporizable liquid.

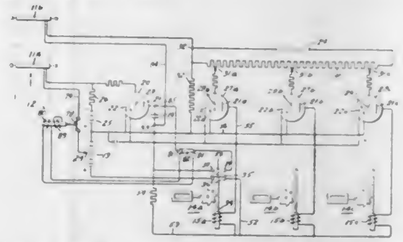
2,181,727
COMBUSTION APPARATUS
George J. Gorsuch, Rochester, N. Y.
Application January 8, 1936, Serial No. 58,131
6 Claims. (Cl. 126—170)



6. In a burner, the combination with a combustion chamber of a grate therefor comprising a pipe in air communication with the ash pit of said burner; a hollow, substantially conical grate consisting of a plurality of rings arranged about said pipe, rotatably nested in vertical order and lugged so as to interlock with a slight backlash relatively when rotated and so as to form air vents between their respective points of contact; an annular ring arranged beneath said grate to form with the latter the sole of the combustion chamber, and being annularly formed so as to cooperate with ash removing means of said grate to center and support the same in all rotated positions; and a hollow refractory dome capping said grate and in air communication with said pipe, and being formed with air conduits extending in lateral directions away from said grate whereby air for combustion is introduced to the combustion chamber through the vents of the grate and through the conduits of said dome.

2,181,728
TRAFFIC ANALYZER
Charles D. Greentree, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 24, 1936, Serial No. 92,456
6 Claims. (Cl. 235—92)

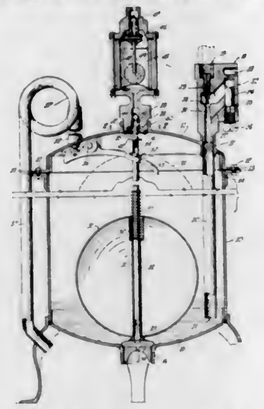
1. A traffic analyzer comprising in combination, a first circuit closer adapted to operate when a traffic unit crosses a given point, a second circuit closer adapted to operate when the traffic unit crosses a second more advanced point, a condenser, a source of charging current, an electric valve of the ionic discharge type with an anode, a cathode, and a control elecrode, said condenser and said anode and cathode being connected in series to said current source to form an anode circuit, said first circuit closer being connected in a grid circuit to said cathode and said control electrode, a second electric valve with an anode, a cathode and a control electrode, a relay with normally open contacts, normally closed contacts, and an operating winding, said winding being connected in series with said normally closed contacts and the anode and cathode of said second electric valve to said current source, said normally open contacts being across said condenser, a source of biasing voltage connected in series with said second circuit closer, said condenser and said first valve between the cathode and control electrode of said second electric valve, and a counter connected in responsive relation to said relay.



5. A traffic analyzer comprising in combination, a condenser, a source of charging current, means for starting charging of said condenser when a traffic unit crosses a given point, a plurality of electric valves with control grids and cathodes, a grid-biasing potentiometer with points at different relative potentials to which said control grids are connected, means for connecting said condenser between the cathodes of said electric valves and a terminal of said potentiometer when the traffic unit crosses a second more advanced point, and a plurality of counters with operating windings, each in series with one of said electric valves and said current source.

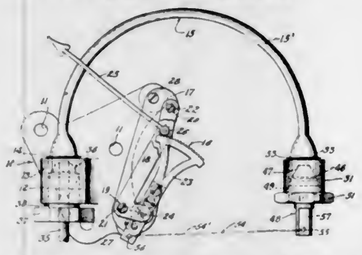
2,181,729
HYDRAULIC AIR COMPRESSOR
George W. Harris and John Voss, Chicago, Ill.
Application December 20, 1937, Serial No. 180,756
15 Claims. (Cl. 261—76)

15. In a device of the class described, an inclosed tank, means for injecting air and water into said tank to effect compression of said air by the increasing volume of water in the tank, a normally closed water drain valve for said tank, a valved air exhaust connection for said tank, and float mechanism including a guide rod having operative connection with said drain valve, float means arranged for guided movement relative to said rod and movable in a direction from one end of the rod toward the other as said volume of water increases and decreases, said float mechanism moving said rod to open said drain valve when there is a predetermined volume of water in said tank, yieldable means embracing an end of said rod and operable to hold the latter in valve opening position when said rod is moved by said float means to open said drain valve, said float means moving relative to said rod to close said drain valve when a determined quantity of water has been drained from the tank, an air relief valve in said tank and including an operating member arranged in the path of



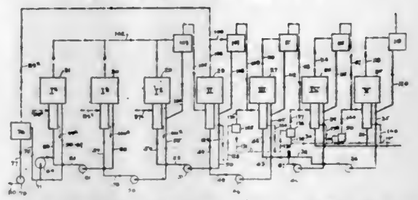
movement of said float means for actuation by the latter in advance of the opening thereby of said drain valve whereby to effect a sudden relief of the air pressure within the tank and a subsequent positive opening operation of said drain valve.

2,181,730
PRESSURE GAUGE
Otto W. Heise, Bridgeport, Conn.
Original application June 3, 1936, Serial No. 83,188, now Patent No. 2,166,628, dated July 18, 1939. Divided and this application April 4, 1938, Serial No. 199,800
1 Claim. (Cl. 285—166)



In a pressure gauge, the combination of a stationary supporting base, a lug thereon having a bore therein; a pressure responsive tube having an inner end screwed to said base member in said bore; a feed tube extending into said bore toward said pressure responsive tube; a double tapered sealing sleeve in said bore and on said feed tube, the outside diameter of said sleeve being such as to provide for sliding of the sleeve longitudinally of said bore, and having tapered faces extending respectively into and away from said inner end of said pressure tube; and a rotatable clamping member having a threaded connection with the bore in said lug; engageable with said sleeve in said bore to force the same into sealing engagement with said inner end of the pressure tube, said pressure tube and said clamping member each provided with sleeve-engaging surfaces for forcing said sleeve into sealing and gripping engagement with said feed tube.

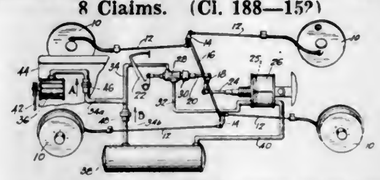
2,181,731
MULTIPLE EFFECT EVAPORATOR AND THE LIKE
William T. Hinckley, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application June 28, 1937, Serial No. 150,746
4 Claims. (Cl. 159—17)



1. In a multiple effect evaporator for the progressive concentration of liquor, a series of evaporators each including a bundle of tubes, means for introducing liquor to be treated into such tubes, a vapor head in conjunction with said tubes for the reception of liquor of increased concentration and vapor liberated from said liquor, and also including a shell surrounding said bundle of tubes and a connection for the delivery of heating medium into said shell at one point and for the removal of condensation from the lower end of said shell, a downcomer from the condensation connection of each shell to a point close to the floor level, a valve located substantially at floor level receiving condensate from said downcomer and delivering the same upwardly through a riser pipe, a flash tank at the upper end of said riser pipe, a downcomer from said flash tank to the downcomer for condensation from a successive effect and a connection for the delivery of condensate from the flash tank to the heating connection of a succeeding effect, substantially as described.

3. The method of reducing the tendency toward foaming of thin "Black Liquor," in the initial concentration thereof in a multiple effect evaporator of the long tube vertical type in which liquor flows upwardly through tubes from a low elevation inlet to a higher elevation outlet, which consists in introducing such thin "Black Liquor" from a common source simultaneously into a plurality of sub-effects in parallel independent streams, and subjecting the independent streams of liquor in said sub-effects to different temperatures and to different degrees of vacuum, and in mixing the treated liquor from both said sub-effects after treatment therein for subsequent treatment in said system, substantially as described.

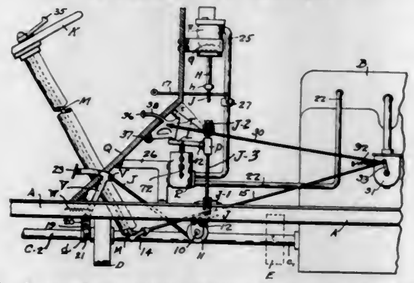
2,181,732
BRAKE
Victor W. Kliesrath, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application May 11, 1938, Serial No. 207,206
8 Claims. (Cl. 188—152)



1. In a vacuum operated power actuating system, a source of vacuum, a main vacuum conduit connected thereto, a vacuum motor having one

end connected to said main vacuum conduit, a reserve tank, a branch conduit connecting the reserve tank to the vacuum conduit, a second conduit connected to said reserve tank and to the other end of said vacuum motor, and a valve in the branch conduit permitting free flow of air in one direction and restricted flow in the opposite direction.

2,181,733
MOTOR VEHICLE CONTROL MEANS
Robert McWade, Jr., and Lamar Lyndon, Los Angeles, Calif., assignors, by direct and mesne assignments, to Bendix Products Corporation, South Bend, Ind., a corporation of Delaware
Application June 7, 1932, Serial No. 615,802
16 Claims. (Cl. 192—.01)



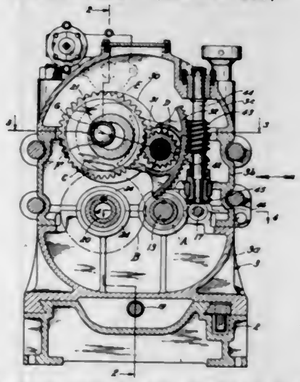
1. A power system having a motor; a driven shaft; a clutch between the motor and the driven shaft; motor speed control means; power means for actuating the clutch; a control device for said power means; manual means for actuating said control device and said motor speed control means, said control device having parts and members operable to automatically change the energization of said power means during the movement of said manual control means over a part of its total range of motion; and means responsive to the speed of the driven shaft in excess of the speed of the motor for automatically locking said control device against movement.

2,181,734
CAPACITOR MOTOR STARTING ARRANGEMENT
David A. Mooney, Jamaica Plain, Mass., assignor to General Electric Company, a corporation of New York
Application July 23, 1938, Serial No. 220,923
2 Claims. (Cl. 172—279)



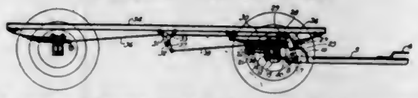
1. A capacitor motor having main and starting windings displaced at an angle to each other, a high resistance squirrel cage rotor, variable capacitance means associated with the starting winding circuit for providing split phase starting torque, switching means for reducing the value of such capacitance in a plurality of selected steps greater than one, a plurality of means responsive to the speed of the motor for operating said capacitance reducing switching means, said speed responsive means being adjusted to effect reduction in such capacitance in steps at different speeds selected to maintain the motor torque throughout the starting period at the highest possible value consistent with the number and size of the capacitance reducing steps.

2,181,735
DRIVE MECHANISM
George E. Moore, Youngstown, Ohio, assignor to The Aetna Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application May 31, 1938, Serial No. 210,857
11 Claims. (Cl. 74—397)



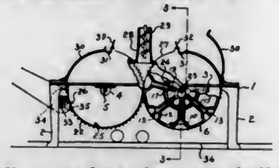
1. In a drive mechanism of the type described, a housing, a sleeve member supported for rotation in said housing, a gear rotatably mounted on said sleeve member and having its center of rotation spaced from and in fixed relation to the center of rotation of said sleeve member, a shaft rotatably supported by said sleeve member and having its center spaced from and in fixed relation to the center of rotation of said sleeve member and spaced from and in fixed relation to the center of rotation of said gear, driving connections between said shaft and gear, another gear supported rotatably and concentrically with the center of rotation of said sleeve member and engaging said first named gear, and means for driving said second named concentrically supported gear.

2,181,736
TRAILER HITCH WITH BRAKE-OPERATING MEANS
William P. Naegele, Lucas, and Fred W. Steenbock, Sylvan Grove, Kans.
Application July 22, 1938, Serial No. 220,666
1 Claim. (Cl. 188—142)



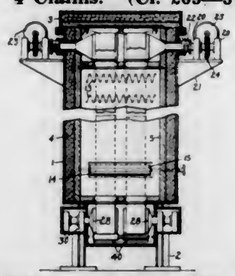
A trailer hitch and automatic brake-operating means, comprising a draw bar, a frame member fulcrumed upon the axle of the trailer, said frame member being provided with a slot and also having an operating connection with the radius rod of the trailer, a brake-operating lever mounted on said frame and having a brake control connection from its upper end extending rearwardly over the axle of the trailer, and a bolt operating within said slot of the frame member and pivotally connecting the lower end of said lever with said draw bar, whereby the operating movement of said lever is limited by engagement of said bolt with the opposite ends of said slot.

2,181,737
CONTINUOUS MOLDING MACHINE
John H. North, Seattle, Wash.
Application October 26, 1938, Serial No. 237,054
6 Claims. (Cl. 107—8)



1. A molding machine for meat balls and the like comprising a pair of rollers mounted to rotate in unison with their peripheries in contact, said peripheries being provided with complementary pockets, a feed chamber between and above the rollers, a fork rotatably mounted in each pocket, and means incidental to the rotation of the rollers for imparting continuous rotation to the forks within their respective pockets.

2,181,738
ANNEALING FURNACE
Albert N. Otis, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 30, 1938, Serial No. 205,292
4 Claims. (Cl. 263—3)

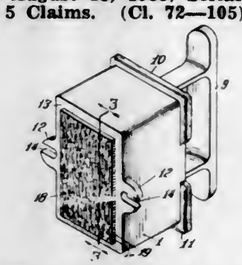


1. A continuous strip annealing furnace having a heating chamber and constructed and arranged simultaneously to anneal a plurality of separate strips comprising an upright structure, heating means therein, a plurality of axially alined cantilever rolls in said structure having their free ends adjacent and each arranged to support one of said strips independently of the other, bearings for said rolls supported by the walls of the structure, separate driving means for moving each of said strips and separate speed controlling means for each of said driving means, whereby two like strips may be given different heat treatment simultaneously in the same heating chamber or two strips having different physical characteristics may be given like heat treatment simultaneously in the same heating chamber.

2,181,739
RESINOUS BODY AND METHOD OF PRODUCING SAME
Winton I. Patnode, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application September 24, 1937, Serial No. 165,507
2 Claims. (Cl. 260—80)

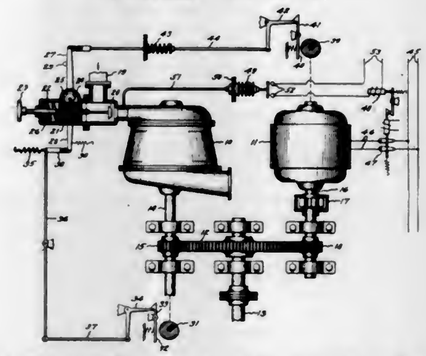
2. A hard, rigid, solid resinous mass free from internal voids or bubbles comprising the product of copolymerization of styrene and 1% to 10% of allyl methacrylate.

2,181,740
INSERT FOR CONCRETE CONSTRUCTIONS
Frank D. Reiland, Chicago, Ill.
Application August 13, 1938, Serial No. 224,693
5 Claims. (Cl. 72—105)



2. A metallic insert adapted to be embedded in a concrete construction with its outer face exposed, said insert serving as an anchorage and formed with an internal pocket and a restricted opening leading from the pocket through the outer face of the insert, and a strip of compressible felt material glued to and projecting outwardly from the outer face of the insert around the opening.

2,181,741
PRIME MOVER CONTROL SYSTEM
Arthur Rosch, Brieselang, near Nauen, Germany, assignor to General Electric Company, a corporation of New York
Application September 8, 1938, Serial No. 229,021
In Germany October 4, 1937
5 Claims. (Cl. 60—6)

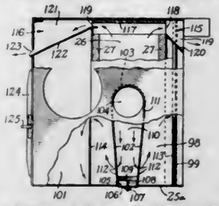


1. In combination, a main driving unit, an auxiliary driving unit, common gearing for transmitting the power output of said units to a driven machine, an overrunning clutch between said auxiliary unit and said gearing for disconnecting said auxiliary unit upon said gearing being driven at a predetermined speed by said main driving unit above the speed of said auxiliary unit, means for controlling the energization of said main driving unit, and means responsive to a predetermined abnormal speed of both of said units for deenergizing said main driving unit.

2,181,742
VEHICLE HEATING SYSTEM
John Rumpf, New Milford, N. J., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application May 17, 1937, Serial No. 143,005
3 Claims. (Cl. 126—56)

1. In car heating apparatus, in combination, a

casing to be mounted upon the car, said casing having two longitudinal side walls extending in the direction of the car movement and two transverse side walls, an air inlet port on each of said transverse side walls and an air exhaust port on each of said longitudinal side walls, each of said exhaust ports having an outwardly diverging outlet and one of said ports having an overhanging

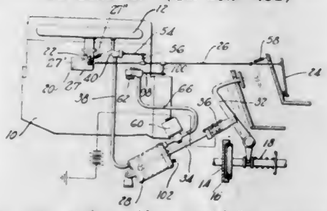


lip along the lower edge of its outlet opening, a combustion chamber in said casing having sides juxtaposed to and spaced from the sides of said casing to form air spaces, baffle means positioned to form a tortuous path from each of said air inlet ports to the bottom of said combustion chamber, and means directing the gases from the top of said combustion chamber through said exhaust ports.

2,181,743
CLUTCH OPERATING MECHANISM

Roy S. Sanford, New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application August 18, 1933, Serial No. 685,719
11 Claims. (Cl. 192—.01)



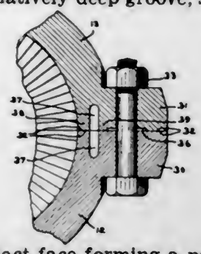
1. In an automotive vehicle comprising a clutch having driving and driven members, a pressure differential operated power means having its movable power element operably connected to the clutch, means for controlling the pressure differential acting on said power element, said means comprising means automatically operable, when and if the driving and driven members of the clutch are pressure loaded to a predetermined degree to effect a variation of the fluid pressure of said power means to retard the operation of engaging the clutch, said automatically operable pressure differential control means comprising a switch member incorporated in the connection between the aforementioned power element and the clutch.

2,181,744
TURBINE CASING JOINT

Henry F. Schmidt, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 2, 1938, Serial No. 222,573
2 Claims. (Cl. 285—130)

1. In a casing for high temperature fluids comprising a multiplicity of parts connected by joints, each joint including contacting portions of said parts and flanges integral therewith and extending outwardly therefrom, said contacting portions and the flanges having joint contact faces and bolts for connecting the flanges; means for securing and maintaining joint fluid-tightness including a relatively thin wall forming a part of a contacting portion and separated from the remainder thereof by a relatively deep groove, said thin wall



having its contact face forming a part of a joint contact face and undergoing compression, when the requisite bolt tension is exerted, to compensate for any unevenness of the joint contact faces and serving to avoid upsetting the sealing relation of its face due to distortion.

2,181,745
CASEMENT WINDOW

Hugo Richard Seibold, Glendale, N. Y.

Application November 16, 1937, Serial No. 174,755
2 Claims. (Cl. 20—49)



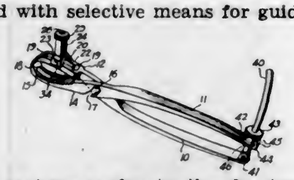
1. In a casement window comprising upper and lower vertically movable sash members, of a casing for said sash members, a pair of slides disposed at the sides of each sash, means carried by the casing to limit said slides to vertical movement, means intermediate each sash and its slides for latching the same together and providing for release of said latching means, link connections between each sash and its slide members, permitting a pivotal movement of the sash away from the casing for projection into a room, and means carried by the casing and acting automatically to latch the slides appropriate to the lower sash when said sash is pivotally swung relatively to the casing, whereby the said slides are restrained against vertical movement.

2,181,746
COMBINATION BONE CLAMP AND ADJUSTABLE DRILL GUIDE

John R. Siebrandt, Kansas City, Mo.

Application February 4, 1939, Serial No. 254,643
17 Claims. (Cl. 128—83)

2. A combination bone-clamping and drill-guiding means comprising, a forceps structure having cooperating jaws for clamping the bone fragments of a fracture, one of said jaws being provided with selective means for guiding a drill

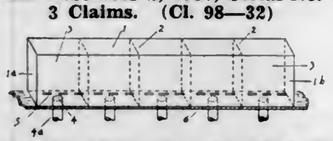


tool at various angles to the fracture through the bone fragments between the jaws.

2,181,747
BASEBOARD HEAT DISTRIBUTION WITH AIR CONDITIONING

Charles B. Simoneau, Lynn, Mass.

Application December 2, 1937, Serial No. 177,753
3 Claims. (Cl. 98—32)

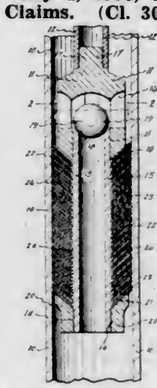


3. In a device of the class described, the combination of means for diffused distribution of air in and means for diffused withdrawal of air from a room at the baseboards thereof, said combined means acting cooperatively to maintain in the room air of proper temperature and purity and comprising a casing for air distribution and a casing for withdrawal of air, the air distribution casing having chambers therein, partitions between the chambers, openings in the bottom walls of the chambers adapted to admit air to the chambers, means within the chambers adapted to provide heat to the chambers and therethrough to the room and openings in the front walls of the chambers for the passage to the room of air heated within the chambers, the casing for withdrawal of air from the room having chambers therein, partitions between the chambers, openings in the front walls of the chambers for the passage of air therethrough from the room and openings in the bottom of the chambers for the withdrawal of air through the intake pipe of an air conditioning apparatus.

2,181,748
PLUNGER

Feri A. Thaheld, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware

Application May 4, 1936, Serial No. 77,692
5 Claims. (Cl. 309—23)

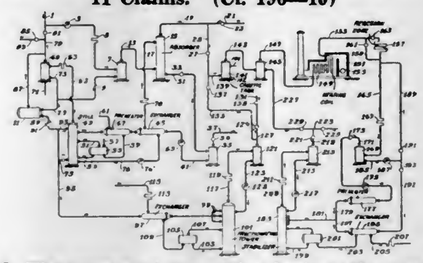


1. A packing element for a reciprocating plunger including, a metallic funnel shaped corrugated reinforcing member, and an elastic packing ring secured thereto, said ring having a greater diameter than that of the reinforcing member, whereby the peripheral edge portion of said ring extends beyond the edge of said member.

2,181,749
CONVERSION OF HYDROCARBON GASES INTO LIQUID HYDROCARBONS

Cary R. Wagner, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application June 17, 1936, Serial No. 85,711
11 Claims. (Cl. 196—10)

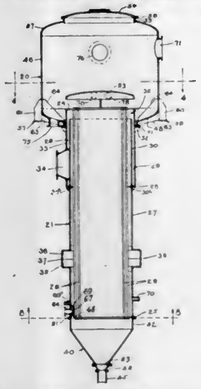


6. The process of converting hydrocarbon gases containing approximately 40% to 60% of olefins into liquid hydrocarbons rich in toluol which comprises subjecting said gases in the substantial absence of non-hydrocarbon gas to temperatures within the limits of approximately 1125° F. to 1175° F. and under super-atmospheric pressure below that at which carbon formation is actively promoted for a period of time ranging from .5 to 30 seconds, cooling the reaction products below reaction temperature and separating the liquid from the gaseous reaction products.

2,181,750
LONG TUBE VERTICAL EVAPORATOR AND THE LIKE

Floyd H. Walker, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application July 6, 1937, Serial No. 152,171
11 Claims. (Cl. 159—27)



7. In a device of the class described, the combination of a vapor head, a heating unit extending into the lower portion of the vapor head and extending downwardly below the vapor head, means for sealing the vapor head and heating unit to-

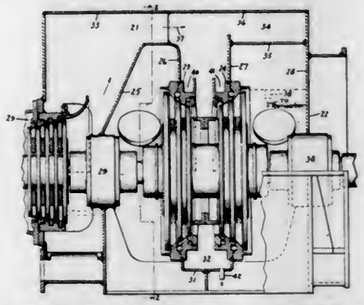
gether, a common supporting element for both the vapor head and the heating unit and located adjacent to the vapor head, and means to transmit the loads of the vapor head and of the heating unit independently to said supporting element, substantially as described.

2,181,751

ELASTIC FLUID TURBINE ARRANGEMENT

Glenn B. Warren, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 26, 1938, Serial No. 192,826
3 Claims. (Cl. 253—76)



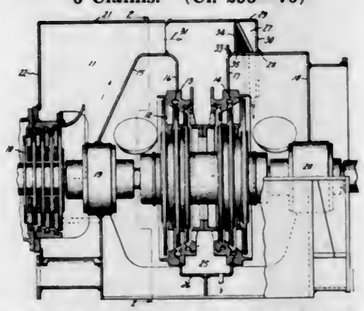
1. Elastic fluid turbine arrangement comprising a high pressure turbine, a lower pressure double flow turbine having an exhaust casing, a cross-over conduit located above the turbines and having walls partly formed by the exhaust casing for conducting exhaust fluid from the high pressure turbine to the inlet of the double flow turbine, and an extension connected to a portion of the cross-over conduit and located beyond the inlet of the double flow turbine in the direction of flow and formed partially by the exhaust casing for receiving and retaining liquid particles entrained in the elastic fluid, said extension having a lip near its entrance to prevent back flow of liquid particles.

2,181,752

ELASTIC FLUID TURBINE

Glenn B. Warren, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application September 2, 1938, Serial No. 228,162
6 Claims. (Cl. 253—76)



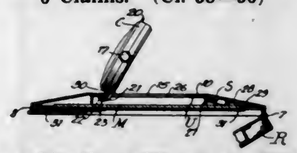
1. The combination with a conduit for conducting elastic fluid from a high pressure turbine to a low pressure turbine, a chamber having a cross section substantially of the same dimensions as the cross section of said conduit, the inlet of said chamber being so arranged with respect to a portion of said conduit that the particles of liquid entrained in the elastic fluid flowing through said conduit will be projected into said chamber, a screen arranged across said chamber spaced forwardly from the rear wall thereof to protect the precipitating liquid collected in said chamber from strong elastic fluid currents.

2,181,753

WATCHCASE MOUNTING

Albert Wewetzer and Edward C. Anderson, Elgin, Ill., assignors to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois

Application June 10, 1938, Serial No. 212,928
6 Claims. (Cl. 58—56)



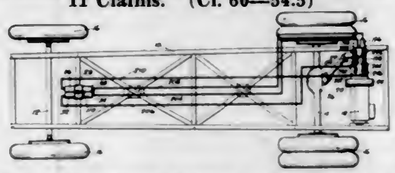
2. In combination with an apertured base, a watchcase fitted within the aperture and movable therefrom to a position exteriorly of the base, a mounting unit slidably supported by the base, a hinged connection between the watchcase and mounting unit, and spring means tending to urge the mounting unit in one direction whereby to produce engagement between one point on the base and a plurality of points on the case, said points on the case being at various distances from the hinged connection thereof.

2,181,754

HYDRAULIC TRANSMISSION

John William White, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application January 22, 1937, Serial No. 121,748
11 Claims. (Cl. 60—54.5)



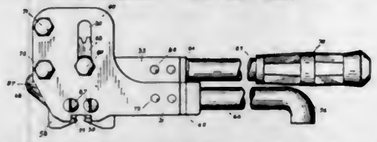
1. A fluid pressure system comprising a pressure producing device comprising a pair of aligned cylinders having a reservoir formed therebetween, a pair of pistons in said cylinders, an actuating lever for said pistons, a connecting rod connected to said actuating lever and connected with said pistons by lost motion devices in said reservoir, said pistons each being formed with a central passageway and provided with a ball check valve arranged to be contacted by said connecting devices so that the check valve is forced to its seat upon actuation of said piston, but otherwise leaves its seat to allow passage of liquid through said piston to the reservoir, in combination with a fluid pressure actuated device including a pair of cylinders, a housing in which the cylinders are supported, a pair of pistons reciprocable in the opposed cylinders in opposite directions, fluid delivery means connecting each of said cylinders of the pressure producing device with one of the cylinders of the fluid pressure actuated device, and means connecting each of the cylinders of the fluid pressure actuated device with the other cylinder of the fluid pressure actuated device through a port in said first named cylinder normally covered but uncovered by the movement of said actuated piston at the end of the stroke of said actuated piston.

2,181,755

SEALING TOOL

Andrew E. Adamson, Warren, Ohio, assignor to Brainard Steel Corporation, Warren, Ohio, a corporation of Ohio

Application April 5, 1937, Serial No. 135,188
1 Claim. (Cl. 81—9.1)



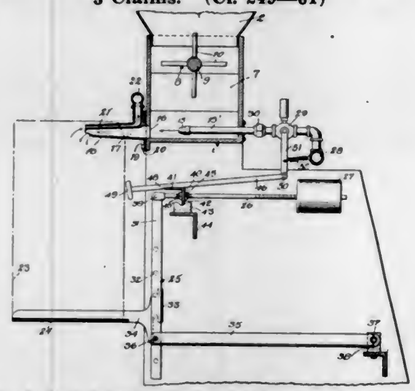
A sealing tool comprising a base, a pair of sealing jaws pivotally mounted on said base, toggle levers pivotally connected with said jaws for actuating the same, a pair of spaced parallel rack bars on said base, an operating lever having a forked end with arcuately disposed gear teeth on each fork meshing with the teeth of the rack bars, a pin spanning said forked end and positioned centrally with respect to said arcuately disposed teeth, means engaging said pin to guide the same for movement in a rectilinear path parallel with said racks, said toggle levers being pivotally connected with said pin and being partially within the forked end of said operating lever, portions of said jaws being positioned in the space between the rack bars and being guided thereby.

2,181,756

AUTOMATIC WEIGHING BAG FILLER

John A. Cook, McAfee, N. J.

Application August 5, 1938, Serial No. 223,146
3 Claims. (Cl. 249—61)



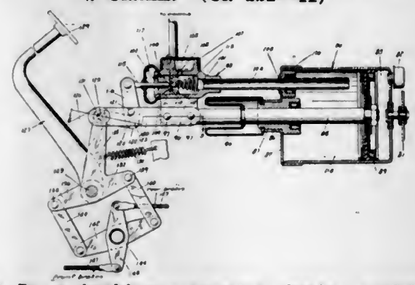
1. A bag filler including a hopper for supplying material to be fed into a bag, a nozzle connected with said hopper having a passageway for directing material from the hopper to the interior of the bag to be filled, an air nozzle for forcing material from said hopper to said filling tube, means for supplying air under pressure to the nozzle, a valve for controlling said air, a lever connected with said valve for opening and closing the same, a spring acting on said lever tending to close the valve, a rod pivotally connected to said lever and provided with a notch, said rod being adapted to be pulled manually for opening said valve against the action of said spring, an L-shaped member having one leg acting as a catch fitting into said notch when said valve is open, means pivotally supporting the other leg of said L-shaped member, a scale beam rigidly connected to said other leg, said scale beam being provided with an adjustable weight, a vertically extending bar connected to said scale beam at the end opposite said weight, a platform carried by said vertically extending bar acting as means for supporting the bag which is being filled, and a bar pivoted at one end to the vertical bar and at the other end to a fixed support, whereby said vertically extending bar may move upwardly and downwardly substantially in a straight line, said scale beam with its weight swinging upwardly when a predetermined weight has been provided in the bag being filled, whereby said L-shaped member may swing to a position out of said notch so as to permit said spring to function automatically for closing said valve.

2,181,757

SERVOMOTOR FOR VEHICLE BRAKES

Harold R. Fitzgerald, Rocky River, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application June 13, 1936, Serial No. 85,131
2 Claims. (Cl. 121—41)



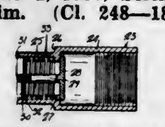
1. In a braking apparatus, brake applying mechanism, a power chamber having a pressure responsive member therein, a rod for said pressure responsive member and operable to effect operation of said brake applying mechanism, a valve housing mounted on said rod outside of said power chamber, a rigid conduit slidably disposed in an end wall of said power chamber and terminating a fixed distance short of said pressure responsive member, a control valve in said valve housing for controlling communication of brake actuating fluid through said rigid conduit to said power chamber, and operator operated means for controlling operation of said control valve.

2,181,758

VALVED FLUID OUTLET

Earl B. Goon, Niles, and Garris W. Heath, Niles Township, Berrien County, Mich.

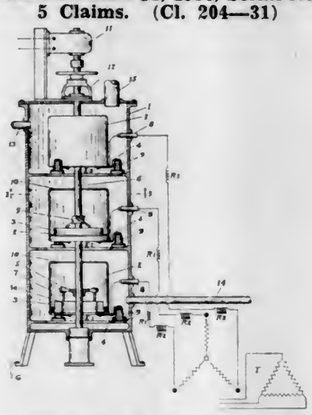
Application October 1, 1937, Serial No. 166,816
1 Claim. (Cl. 248—18)



In a valved fluid outlet, a housing having an annular internal projection spaced from its end, a valve adapted to seat on said projection and having an integral outwardly extending stem threaded at its outer end, a narrow cross piece threaded on said stem and freely shiftable longi-

tudinally within said housing and adjacent to the end of said housing, and a coil spring bearing against said projection and said cross piece at its ends, wherein said stem has a grooved end adjacent the end of said housing to accommodate manipulation of said valve and adjustment of the position of said cross piece within said housing.

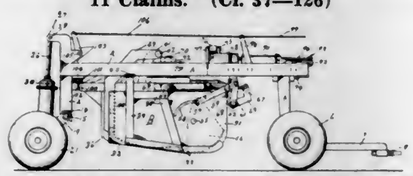
2,181,759
APPARATUS FOR PRODUCING CARBON BLACK
Victor F. Hanson, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 31, 1936, Serial No. 118,611
5 Claims. (Cl. 204—31)



1. An apparatus for producing carbon black from carbon-bearing oil comprising in combination an electrode unit within a reaction chamber, said unit comprising opposing electrode elements defining an arc gap between the opposing surfaces of said elements, said chamber being provided with means for maintaining a body of oil within said chamber above the level of said arc gap, electric power means connected to said electrode elements, means for agitating oil within said container within the vicinity of said arc gap and means for partially confining gaseous decomposition products within said vicinity of said arc gap.

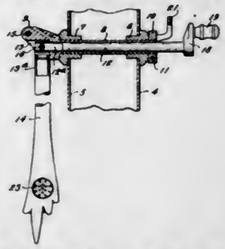
5. In an apparatus for producing carbon black from carbon-bearing oil by electrothermal decomposition, the combination of an electrode unit comprising a ring electrode element and a rotatable rod electrode element disposed over the arcing surfaces of said ring electrode element, and a cylindrical baffle surrounding said ring electrode element and coaxial therewith.

2,181,760
SCRAPER
Charles Le Bleu, Los Angeles, Calif.
Application May 6, 1935, Serial No. 19,946
Renewed April 26, 1939
11 Claims. (Cl. 37—126)



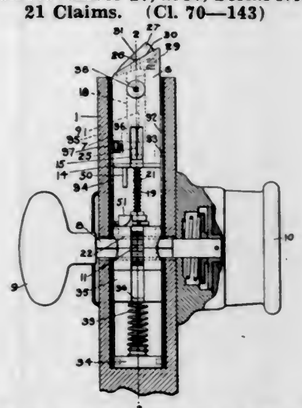
1. A scraper including a main frame, a beam journaled at its forward end on said frame and supporting a scraper bowl for lateral turning movement at its rear end, roller carriage means secured to said beam between the ends thereof, and a transverse trolley beam mounted on the main frame in supporting association with said carriage.

2,181,761
SIGNAL
Percy Lockhart, Ann Arbor, Mich.
Application December 2, 1937, Serial No. 177,747
7 Claims. (Cl. 116—52)



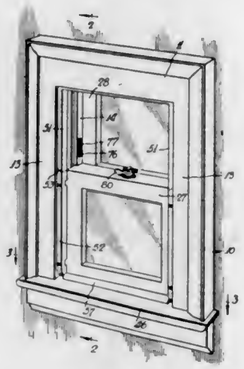
1. A signal device for use in motor vehicles, said signal device comprising a semaphore arm normally disposed in substantially vertical position outside of the vehicle body, means supporting the arm so that it is free at all times to revolve about an axis which is substantially perpendicular to the outer surface of the vehicle body and in a plane which is substantially parallel to the outer surface of the vehicle body, and also so as to be free to swing at all times in a plane radial to said axis through an angle of at least 90°, and a single actuating member constructed and arranged for manual movement in either of two different paths thereby to move the arm in either of said planes at will.

2,181,762
LOCK
Joseph H. Milligan, Framingham, Mass., assignor of twenty-five one-hundredths to Jeremiah McGillicuddy and Patrick McGillicuddy, Boston, Mass.
Application November 17, 1937, Serial No. 175,050
21 Claims. (Cl. 70—143)



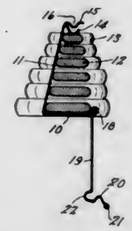
1. A lock for a door comprising a spring-pressed latching bolt in said door, a spindle extending through the door, knobs for operating said spindle, a pinion on the spindle, a rack meshing with the pinion, a connection between the rack and the bolt which normally prevents backward movement of the bolt relative to the rack, a feeler member exposed at the end of the bolt, and means responsive to pressure applied to the feeler to disrupt the connection between the rack and the bolt.

2,181,763
WINDOW CONSTRUCTION
Hans Mockli, Hawthorne, N. J.
Application May 28, 1938, Serial No. 210,560
9 Claims. (Cl. 20—42)



5. A window construction, comprising a pair of opposed pivotally supported sash tracks, a fixed member, and a bowed leaf spring secured at its ends to the outer edge of one of said tracks, and engaging said member to resist said pivotal movement.

2,181,764
WRENCH CLIP
Arthur T. Murray, Springfield, Mass., assignor to Moore Drop Forging Company, Springfield, Mass., a corporation of Massachusetts
Application November 23, 1938, Serial No. 241,964
2 Claims. (Cl. 206—16)

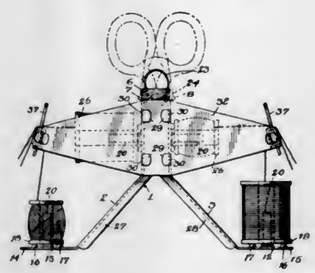


1. A clip for holding sets of wrenches comprising a wrench set retaining member having a bottom to underlie the shank of the lowermost wrench of the set, an upright member for engagement with the edges of the shanks of the wrenches, and a spring finger yieldably engaging the top of the shank of the uppermost wrench of the set to compress the set yieldably against the bottom; a second member hinged to the retaining member along that edge thereof remote from the upright for engagement with the opposite edges of the shanks, and a pair of yieldable interengaging snap members one carried by the retaining member and extending over the uppermost wrench of the set independently of the spring finger and one carried by the hinged member, said snap members having their interengaging portions located vertically above said uppermost wrench and functioning to hold the hinged member in engagement with the edges of the shanks, said snap members being independent of said spring finger whereby the grip of the latter on the wrench set will not be disturbed by the disengagement of the snap members, and an extension of the hinged member extending beyond the said interengaging portions to a point clear of the retaining member to facilitate disengagement of said interengaging portions.

2,181,765
PRESERVATION OF ORGANIC SUBSTANCES
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 13, 1939, Serial No. 261,667
10 Claims. (Cl. 23—239)

1. A process of segregating water soluble antioxygens containing water soluble carbohydrates and organic nitrogen and phosphorous compounds from finely divided unbleached and unleached cereal flours selected from the group consisting of oats, maize and barley, which comprises mixing said cereals with water having a pH between about 5 and 6.7 and at a temperature of above about 125° F. and below about 145° F., removing the undissolved residue, and then concentrating the resultant starch and fibre free liquor, whereby there is obtained said water soluble antioxygens suitable for addition to organic compositions subject to oxidative deterioration to retard oxidative deterioration thereof.

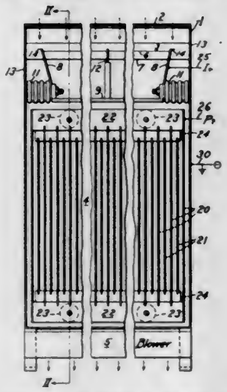
2,181,766
SEWING KIT
Clarence P. Neats and Lester P. Neats, East Orange, N. J.
Application May 19, 1938, Serial No. 208,781
6 Claims. (Cl. 242—139)



1. A sewing kit comprising a body, means carried by the body for supporting a straight row of thread- and yarn-carrying spools in a horizontal plane, the axes of said spools being in a horizontal plane and arranged in parallelism, a plurality of means for carrying a straight row of of thread- and yarn-carrying spools in vertical planes, the axes of said spools being in vertical planes and arranged in parallelism, and a row of guides for the thread and yarn, said guides

being so arranged that the thread or yarn from a vertically-extending spool and from a horizontally-extending spool will pass therethrough, said guides being arranged substantially in axial alignment with the spools from which the thread and yarn come.

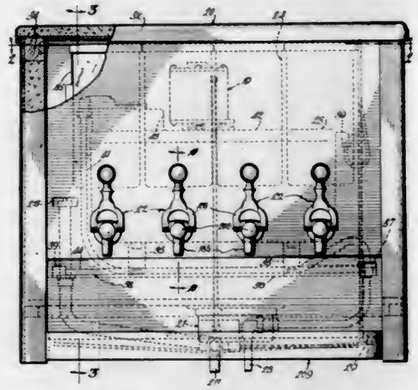
2,181,767
ELECTROSTATIC PRECIPITATOR
Gaylord W. Penney, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1938, Serial No. 206,381
3 Claims. (Cl. 183—7)



1. A gas-purifying precipitator comprising an ionizing chamber, a separate precipitating chamber, and means for causing a gas-flow successively through first said ionizing chamber and then said precipitating chamber; said ionizing chamber being provided with one or more ionizing units, each unit being disposed transverse to the gas-flow and comprising a single insulatedly supported fine wire spaced between substantially uninsulated relatively large electrodes, a plurality of relatively rigid supporting-members for insulatedly supporting said fine wire, and additional ionizing means at one or more of the supporting-points of the fine wire for ensuring the copious ionization of the portion of the gas which flows past the vicinity of said one or more supporting-points; said fine wire or wires being of less than 32 mils diameter and being of such fineness that substantially utilizable ionization of suspended particles in the gas is obtained at a wire-charging voltage below the critical corona voltage, and the wire-charging voltage being below said critical corona voltage.

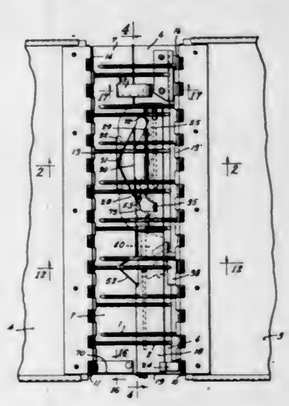
2,181,768
APPARATUS FOR CARBONATING WATER
John T. Rowell, Cincinnati, Ohio, assignor to The Bock Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application September 9, 1935, Serial No. 39,669
9 Claims. (Cl. 261—93)

1. In a machine of the class described an apparatus for carbonating water, comprising, a tank for the water, a water supply conduit connected to said tank, a float controlled valve controlling the flow of water from said conduit into said tank and the water level therein, an agitator device mounted on said tank and extended below the water level thereof, a source of carbonic gas supply, a conduit extending from said supply to said tank, a motor for driving the agitator device at a constant speed, and a gas pressure controlled



unit in said gas conduit for controlling said agitator driving means.

2,181,769
LOOSE LEAF BINDER
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application May 11, 1938, Serial No. 207,195
7 Claims. (Cl. 129—17)



2. A binder having centrally pivoted back portions and a set of prongs supported by each back portion, one of such sets being mounted for longitudinal movement between two offset positions relative to the other set and cam mechanism operable to move the relatively pivoted back portions and one set of prongs all in a sequential operation whereby the prongs are spread, offset and overlapped in alternate offset positions upon successive operations of said cam mechanism, said cam mechanism being constructed to allow a separation of the prong sets while said sets are being offset, only after the prong sets have been first separated a definite amount without any change in the offset position.

2,181,770
METHOD OF POLYMERIZATION OF 1,2-DIHYDRONAPHTHALENE
Norman D. Scott, Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application December 10, 1935, Serial No. 53,756. Divided and this application February 1, 1938, Serial No. 188,193
4 Claims. (Cl. 260—80)

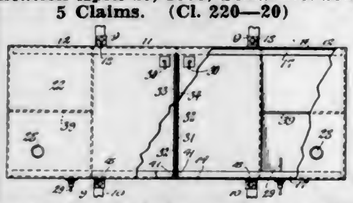
1. A process for polymerizing 1,2-dihydronaphthalene comprising contacting 1,2-dihydronaphthalene with an addition compound of an alkali metal and a polycyclic aromatic hydrocarbon, said compound consisting of one mol of said hydrocarbon chemically combined with two atoms of said alkali metal.

3. A substantially infusible solid polymer of 1,2-dihydronaphthalene.

2,181,771
METHOD OF POLYMERIZATION OF STYRENE
Norman D. Scott, Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application December 10, 1935, Serial No. 53,756. Divided and this application February 1, 1938, Serial No. 188,194
2 Claims. (Cl. 260—91)

1. A process for polymerizing styrene comprising contacting styrene with an addition compound of an alkali metal and a polycyclic aromatic hydrocarbon, said compound consisting of one mol of said hydrocarbon chemically combined with two atoms of said alkali metal.

2,181,772
SPARE FUEL TANK FOR TRUCKS
Mahlon C. Snyder, Blasdell, N. Y.
Application April 17, 1939, Serial No. 268,205
5 Claims. (Cl. 220—20)

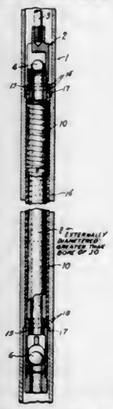


1. A spare fuel tank for trucks comprising an upper section having a central part adapted to be arranged above the frame of the truck and end parts arranged at opposite ends of said central part and extending beyond the opposite sides of said frame, and two side sections arranged below the end parts of said upper section, said upper section having its opposite transverse walls constructed of channel shaped girders, and the opposite transverse walls of each of said side sections being constructed of plates which are connected at their upper ends with the underside of the respective ends of said girders on one side of said frame.

2,181,773
BRASS PLATING
Christian J. Wernlund, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 12, 1937, Serial No. 120,315
7 Claims. (Cl. 204—2)

1. A process for electroplating brass comprising electrolyzing a solution containing zinc and copper cyanides and an alkali metal hydroxide, the ratio of the concentration of zinc cyanide to the concentration of said hydroxide in said solution being maintained chemically equivalent to a zinc cyanide to caustic soda ratio of approximately 1:1, said concentrations being expressed as weight of solute per unit volume of solvent, and maintaining said solution at a reasonably constant temperature, so as to maintain a substantially constant composition of electrodeposit when changes occur in the current density.

2,181,774
OIL WELL PUMP
Roy C. Williams, Wayne, Ohio
Application May 14, 1936, Serial No. 79,666
1 Claim. (Cl. 309—23)

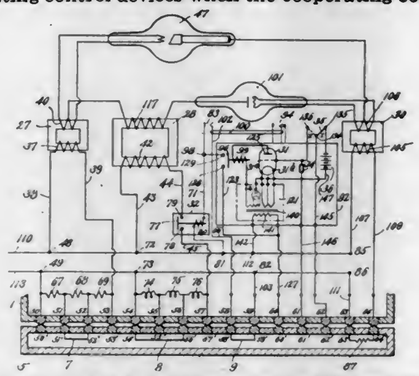


An oil well pump plunger working in cooperation with a pump barrel to provide an oil seal therebetween, including a core member, a coiled resilient sleeve means on the core member inherently of less internal diameter than the external diameter of the core member and having a working diameter less than the internal diameter of the pump barrel so as to provide space for the reception of a film of oil, and means carried by the core member and engaging the ends of the sleeve means so as to enable removal and replacement of the sleeve means and by manipulation to provide oil channels between adjacent helices of the sleeve means to receive therein varying portions of the oil aforesaid for distribution in the space between the periphery of the sleeve means and the internal walls of the pump barrel.

2,181,775
SWITCH OR CONTROL ARRANGEMENT FOR OPERATING X-RAY APPARATUS
Friedrich Dessauer and Kurt Lion, Istanbul, Turkey
Application August 17, 1937, Serial No. 159,520
In Germany April 27, 1937
16 Claims. (Cl. 250—95)

1. X-ray control apparatus having, in combination, a master control device, and a plurality of separate cooperating control devices adapted to be manually moved bodily under the control of the operator into and out of cooperative electrical relation to the master control device, the cooperating control devices each having a group of control elements, the groups of control elements differing from one another to determine different pluralities of coordinated working fac-

tors, each group of control elements comprising contact means, and the master control device having contact means adapted to be engaged by each of the contact means of the respective cooperating control devices when the cooperating con-



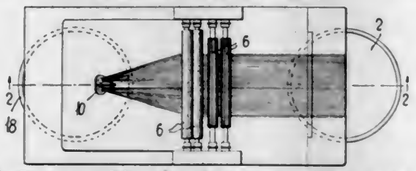
trol devices are in respective cooperative relation to the master control device to control the operation of the X-ray apparatus according to the working factors determined by the respective cooperating control devices.

2,181,776
RETRACTABLE PEN POINT HOLDER
John D. Arboit, Brooklyn, N. Y.
Application May 10, 1939, Serial No. 272,926
3 Claims. (Cl. 120—19)



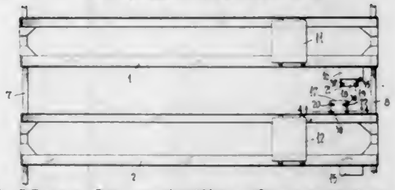
1. A pen device of the class described comprising a handle member having a tubular part, a pen point holder slidably arranged in said tubular part, said tubular part having a longitudinally extending slot therein, a resilient tongue connected with the holder, a projection carried by the tongue and passing through the slot, said projection having an enlarged part adjacent its lower end and the slot having enlarged portions at its ends for receiving said enlarged part of the projection, the enlarged part of the projection being disengaged from the large part of the slot when the projection is depressed.

2,181,777
SPLIT DRAWING
Julius Arthur Asbelle, Commerce, Ga.
Application July 26, 1937, Serial No. 155,799
4 Claims. (Cl. 19—157)



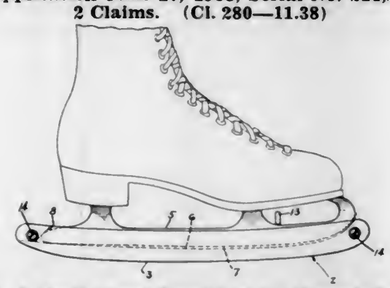
1. In a machine for drawing textiles, drawing rolls for forming a plurality of slivers into a web, calender rolls, a trumpet having a plurality of passages therein located between said drawing rolls and said calender rolls for dividing said web into a plurality of slivers, and means for coiling said slivers in a single can.

2,181,778
PHOTOELECTRIC CONTROL FOR TRAVELING CRANES OR THE LIKE
Harvey W. Ball, Alliance, Ohio, assignor to The Morgan Engineering Company, Alliance, Ohio
Application March 14, 1939, Serial No. 261,859
6 Claims. (Cl. 212—21)



1. Means for controlling the operation of a plurality of motor-operated traveling devices which have at least a portion of their paths in common, said means comprising a photoelectric relay with contacts which are closed when the relay is energized, a source of light and a light-intercepting member carried by each traveling device, together with power supply means for the same, the member of each traveling device being arranged to be capable of intercepting the light beam of the other traveling device, an operating circuit for each traveling device, means in said circuit controlled by the photoelectric relay contacts to prevent such operation when the light beam is interrupted, and an auxiliary switch connected across the contacts for permitting operation of the traveling device even when the photoelectric relay contacts are open.

2,181,779
SKATE GUARD
Thomas W. Barnard, St. Paul, Minn.
Application June 17, 1938, Serial No. 214,273
2 Claims. (Cl. 280—11.38)

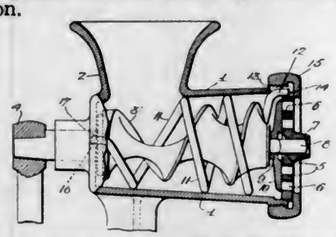


2. A skate guard formed of an elongated rigid body having a slot adapted to receive the runner of the skate, a wall at one end of said slot adapted to receive in abutting relation the rear end of a skate runner seated in said slot, the bottom of said slot being concave to a substantial depth whereby the runner of a skate seated therein will contact the bottom of said slot on seat portions at its ends only, and clamping means on the rigid body between the seat portions engageable with the upper surface of a runner seated in said slot to lock the runner in engagement with the rigid body.

2,181,780
FOOD CHOPPER
Sylvan Braun, Philadelphia, Pa., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania
Application May 4, 1938, Serial No. 206,057
4 Claims. (Cl. 146—184)

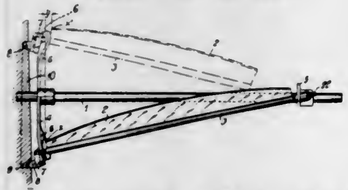
1. In a device of the character described in-

cluding a barrel having a slot therein and a peripherally slotted perforate die plate arranged for removable insertion in the outer end of said barrel, an element removably mounted in said barrel providing a rib in association with the inner wall thereof and having a portion engaging the slots in the barrel and the perforate die plate for the purpose of securing said element and die plate against rotation with respect to said barrel portion.



4. In a device of the character described comprising a barrel portion, a helical element removably mounted in said barrel portion providing a rib in association with the inner wall thereof, said element having its opposite end portions engaging recesses in the barrel portion to secure the element against rotation with respect to said barrel.

2,181,781
LAWN MOWER
Karl Albert Caspersson, Alsten, Stockholm, Sweden, assignor to Aktiebolaget Superior, Stockholm, Sweden, a corporation of Sweden
Application July 1, 1938, Serial No. 217,033
In Sweden December 8, 1936
7 Claims. (Cl. 56—294)



7. In a lawn mower, a fixed cutter bar, a rotatable reel shaft, circumferentially spaced arms carried by said reel shaft, a knife blade having an arcuate shaped cutting edge carried by two circumferentially spaced arms and mounted for longitudinal rotation with respect thereto for cooperation with the cutter bar, guide means arranged eccentrically with respect to the axis of said reel shaft, and means carried by said knife engaging said guide means for rotating said knife longitudinally during rotation of the reel shaft, whereby the arcuate shaped cutting edge of the knife blade moves longitudinally with respect to the fixed cutter bar during rotation of said reel shaft.

2,181,782
PRODUCTION OF MODIFIED DEXTRINS
Philip Dalton Coppock, Higher Bebington, England
No Drawing. Application January 12, 1938, Serial No. 184,707. In Great Britain January 28, 1937
6 Claims. (Cl. 127—34)

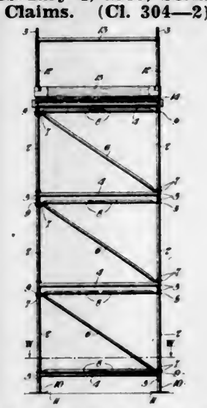
3. A process of rendering commercial dry-roasted dextrin non-lump-forming when mixed with water, comprising essentially subjecting said dextrin in the dry state for a period of from about 3 to about 15 minutes to a temperature of the order of from about 70° C. to about 130° C. between heated plates under a pressure of the order of 1 lb. per square inch and then grinding the mass to powder.

2,181,783
HORN BUTTON
William K. Creson, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a corporation of Indiana
Application March 24, 1938, Serial No. 197,931
5 Claims. (Cl. 200—59)



1. In a button switch, a button having a plurality of lateral recesses; elastic inserts in said recesses projecting beyond the sides of the button; a supporting member having recesses receiving the projecting portions of the inserts to support the button while permitting tilting and axial movements thereof; and electrical contacts carried by the button and supporting member respectively adapted to be engaged when the button is moved, the contact on the button comprising a plate having an upstanding peripheral flange fitting over the sides of the button and partially closing the insert recesses to lock the inserts in the button.

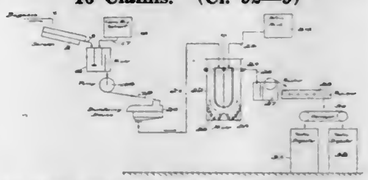
2,181,784
SCAFFOLD
Thomas M. Dugan and Anthony Charles Marton, McKeesport, Pa., assignors to National Tube Company, a corporation of New Jersey
Application February 4, 1938, Serial No. 188,746
9 Claims. (Cl. 304—2)



1. A scaffold comprising a plurality of legs, each of said legs including a series of tubular sections, each of said sections having an extension integrally arranged therewith on one end thereof substantially equal to its internal diameter which is adapted to telescopically engage with the corresponding opposite end of an adjacent leg section, a horizontal tubular member extending between each of said sections, each of said horizontal members having a short vertically extending sleeve on each end thereof, said

vertical sleeves adapted to telescopically engage with the extensions of said leg sections, and reenforcing tubular members having integral flattened apertured end portions arranged between each of said leg sections with their apertured ends telescopically engaged with the extensions of said leg sections.

2,181,785
PROCESS OF LIBERATING CELLULOSE FROM BAGASSE
John P. Foster, Paia, Hawaii, and Herman L. Joachim, San Francisco, Calif., assignors to Maui Agricultural Company, Ltd., Paia, Hawaii, a corporation of Hawaii
Application September 16, 1937, Serial No. 164,212
16 Claims. (Cl. 92—9)

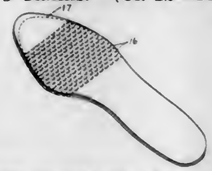


1. In the process of liberating cellulose from sugar cane bagasse by digestion of the bagasse with fiber liberating chemicals, the improvement which comprises subjecting the bagasse, prior to the digestion treatment, to the action of a cane wax solvent to remove cane wax from the fiber bundles of the bagasse.

2,181,786
MANUFACTURE OF HOLLOW BODIES AND CONTAINERS FROM ARTIFICIAL RESINS
Heinrich Hoenig, Dusseldorf, Germany, assignor to Richard Collins and John Joseph Sheridan, both of Dublin, Ireland, and Philip Morris Scher, London, England
No Drawing. Application May 25, 1935, Serial No. 23,523. In Germany May 25, 1934
4 Claims. (Cl. 18—55)

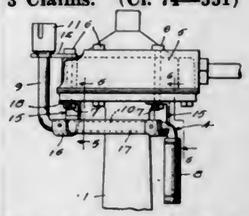
1. A method of manufacturing open hollow articles or vessels having at least one constriction from artificial resins by mouding under the action of heat and pressure including the steps of spraying mouldable artificial resin powder into a hollow mould through a constriction therein so as to line the interior thereof and then admitting fluid under pressure to the interior of the mould under the requisite temperature conditions, the said fluid being in direct contact with the said mouldable composition.

2,181,787
PROCESS OF MAKING INSOLES
Henry G. Lumbard, Auburn, Maine
Application September 12, 1939, Serial No. 294,464
3 Claims. (Cl. 12—146)



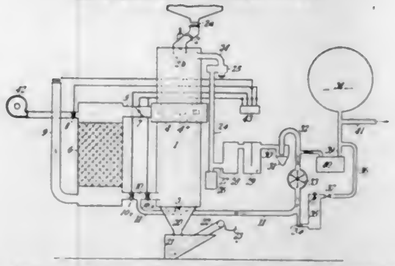
1. A process of making flexible insoles, which comprises providing an insole blank of nearly normal outline, elongating the insole blank by slashing it from edge to edge with rows of spaced, through and through slashes, each slash being formed by a cutting instrument of substantial thickness having a beveled edge.

2,181,788
VEHICLE CRANK SUPPORT
John G. Maas, Bancroft, Nebr.
Application June 13, 1939, Serial No. 278,959
3 Claims. (Cl. 74—551)



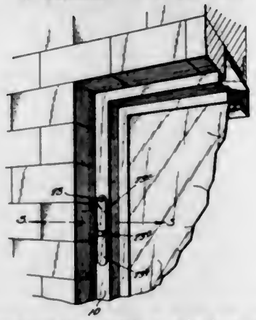
1. In a tractor structure of the type having a steering mechanism housing at the front thereof terminating at its upper end in a gear housing, a starting crank carrier comprising a cradle-like member attached to said housing and adapted to receive a portion of the crank, the crank having a head upon one end and an apertured bracket plate secured to the housing adjacent said structure through which the portion of the crank adjacent said head extends, the head being supported upon the plate while the first mentioned portion of the crank is supported in said cradle.

2,181,789
APPARATUS FOR THE CARBONIZATION OF MATERIAL, SUCH AS BRIQUETTES
Eric Christian Mengel, Westminster, England, assignor to Humphreys & Glasgow Limited, Westminster, London, England
Application May 11, 1938, Serial No. 207,384
In Great Britain October 4, 1937
11 Claims. (Cl. 202—109)



1. An apparatus for carbonizing fuel material by the circulation therethrough of heated gas, comprising a vertical retort chamber into the top of which charges of the material are introduced in superposition upon each other and from the bottom of which discharges of the material residue are effected, a receiving or "rest" chamber beneath said bottom into which the discharges of material are received and associated means for conveying such discharged material therefrom to a place of storage, a gas receiving or reservoir chamber for gas produced by the carbonization of material in the retort chamber, an outlet gas conduit connection between the top section of said retort chamber and said gas receiving chamber, an inlet or return gas conduit connection between said gas receiving chamber and the bottom section of said retort chamber, said inlet or return gas conduit connection constituting in part a portion of said outlet conduit connection and said two connections together with the retort and gas receiving chambers providing a gas circuit or circulatory system, force-circulation means comprising a fan located in the common conduit part of the two named conduit connections of the system, a pressure relief valve in the outlet gas conduit connection located on the discharge side of said force-circulation means and opening only in the one direction controlling delivery or admission into the gas receiving chamber, a liquid seal in the inlet or return gas conduit connection located on the admission side of said force-circulation means and passable only in the one direction permitting return of gas from the gas receiving chamber back into the circuit and into the retort chamber, and a tap or take-off connection in that part of the circuit delivering to said gas receiving chamber for drawing off gas therefrom.

2,181,790
SAFETY DEVICE FOR WINDOWS
Benjamin Harrison Pollock, Jenkintown, Pa.
Application February 3, 1939, Serial No. 254,486
9 Claims. (Cl. 20—72)

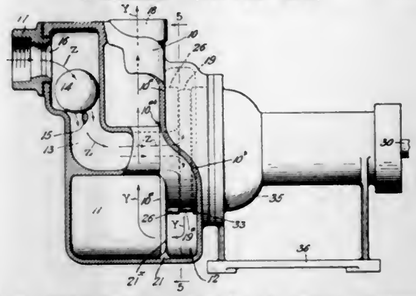


1. In combination with a window structure including a fixed, vertically extending metallic element having a vertically elongated keyhole slot and arranged to afford a recess at the slot, a safety belt terminal having an elongated head insertible through the upper larger end of the slot and of a width greater than the width of the narrow lower portion of the slot, a vertically elongated narrow neck engageable in the lower narrow portion of the slot, and a cover pivoted to said metallic element at the upper end of the slot and normally concealing said slot.

2,181,791
PROCESS FOR PURIFYING WOOD ROSIN
Robert E. Price, Picayune, Miss., assignor to Crosby Naval Stores, Incorporated, Picayune, Miss., a corporation of Mississippi
No Drawing. Application December 15, 1938, Serial No. 245,985
10 Claims. (Cl. 260—107)

1. A process for purifying wood rosin which comprises dissolving said wood rosin in a solvent therefor, contacting the resultant solution with a magnesium silicate having a molecular ratio of $MgO:SiO_2$ between 1:1.25 and 1:1.60, separating the solution from the magnesium silicate, recovering the purified rosin from said solution by distillation, washing said magnesium silicate after said separation, first with petroleum naphtha, then with alcohol, finally with the rosin solvent, and then again contacting said washed magnesium silicate with a further solution of impure rosin.

2,181,792
CENTRIFUGAL SELF-PRIMING PUMP
Herbert E. Rupp, Springfield Township, Richland County, and James C. Gorman, Mansfield, Ohio
Application March 7, 1938, Serial No. 194,496
4 Claims. (Cl. 103—113)

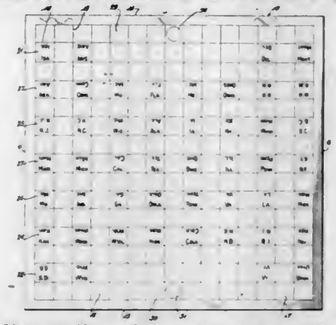


4. A self-priming centrifugal pump, comprising a pump body having a forward liquid chamber and a rearward impeller chamber of volute form separated by a wall therebetween, an inlet passage extending through the liquid chamber from its top downwardly into the side of the impeller chamber upon the line of the impeller axis and giving to said liquid chamber an internal formation corresponding roughly to that of a ring, a ball valve in said inlet passage admitting liquid thereinto but closing to prevent the outflow of liquid therefrom by lift of the liquid itself, a discharge passage in the top of said liquid chamber, a rotatable impeller in the impeller chamber comprising rearwardly curved blades overlapping each other, a discharge from the volute of the impeller chamber into the liquid chamber formed by an opening in the separating wall between the two by a wall portion of the pump body extending upwardly from the outer side of the pump chamber laterally across the outer portion of the volute into merger with said separating wall, a series of communicating passages in the wall between the liquid and impeller chambers in circular arrangement around the inlet passage opening into the latter, a wear plate adjacent to the impeller closing over said communicating passages on the impeller side thereof, and a single opening through said plate allowing a limited return flow of liquid from the liquid chamber to the impeller chamber on a line substantially parallel with but at a different level from the inlet to said impeller chamber.

2,181,793
ELECTION GAME
William C. Sanford, La Oroya, Peru
Application April 21, 1938, Serial No. 203,433
3 Claims. (Cl. 273—131)

1. A game simulating a presidential election campaign comprising player tokens one for and to be actuated by each contestant, one set of State tokens each representing a different State of the Union and each bearing indicia denoting a different State and to be actuated by either contestant, a game board having a surface for supporting and over which said tokens may be moved, the board having at least a portion of its surface divided into contiguous squares or areas arranged to form substantially parallel rows which extend in directions substantially at right angles to each other, like alternate areas of alternate rows bearing indicia referring to different States of the Union, such State areas corresponding in number with the number of

said State tokens, said board having two oppositely disposed marginal areas from which the initial move of a player token is made, the areas representing States of minor voting strength being included in the outer of said rows of State



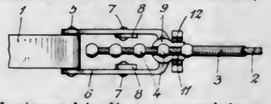
areas adjacent the said marginal areas, the State areas representing States of major voting strength being included in the rows between said rows of State areas of minor voting strength, each of said State areas constituting the initial location for its corresponding State token.

2,181,794

SKI BINDING

Thomas Schlytter, Gyssestad, Slependen, near Oslo, Norway

Application April 15, 1938, Serial No. 202,343
In Norway September 7, 1936
11 Claims. (Cl. 280—11.35)



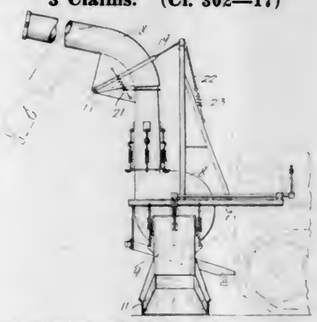
3. A heel-strap binding comprising a resilient metal cable which forms part of said heel-strap, a plurality of annular stops on said cable in the proximity of an end thereof and a gripping means comprising a member of substantial U-shape, having side portions fixed to an adjacent end of said heel-strap and a base portion forming at least a part of a sleeve for positively engaging and holding any one of said stops while substantially surrounding the resilient cable between adjacent stops and bridging the space therebetween.

2,181,795

LOADING DEVICE

Andrew C. Thompson and Ralph Stoetzl, Madera, Calif.

Application October 14, 1938, Serial No. 235,041
3 Claims. (Cl. 302—17)



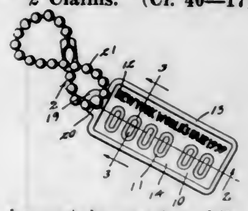
1. In a device of the character described, a suspended frame, a blower mounted on said frame, means for discharging material to said blower, a collar mounted on the outlet from said blower, a stack positioned on said collar, a series of springs secured to and arranged around the outer edge of said collar and having their upper ends secured to the stack, whereby said stack may oscillate and tip, and a goose neck discharge pipe pivotally connected to the discharge end of said stack, spring means for supporting said goose neck with relation to said stack.

2,181,796

KEY-RETAINER IDENTIFICATION TAG

Herschel V. Williams, Jr., New York, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application July 7, 1939, Serial No. 283,271
2 Claims. (Cl. 40—17)



1. In a key retainer automobile identification tag for use by owners of automobiles, said tag being substantially in the form of a miniature replica of an automobile license plate, said tag comprising a thin body member having front and rear faces, said member having its front face formed with spaced embossed reinforcing parts simulating the indicia on one face of the automobile license plate issued to the user of the tag, said member having its front face formed with an embossed endless reinforcing bead conforming in outline to the shape of said member, said bead being disposed throughout the marginal portions of said front face and surrounding in spaced relation the said spaced embossed parts, said bead including lengthwise portions, an outer end portion and an inner end portion, said member having the embossed bead and embossed parts on the front face of a like color and the remaining portion of such face of a color different from that of the color of said bead and parts, the lengthwise portions and the outer end portion of the said reinforcing bead being of U-shaped form in transverse cross section, a laterally disposed apertured attaching tab merging at its inner end into the outer side of the inner end portion of said bead, said member having parts spaced from the bight portion of the bead and integral with and correlating with the remaining portions of the bead to form a pocket on the rear face of said member, the mouth of said bocket being disposed at the said inner end portion of the bead, and a reinforcing plate mounted in said pocket.

2,181,797

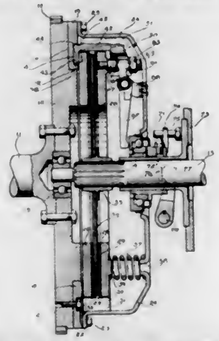
AUTOMATIC CLUTCH MECHANISM

Roy D. Bateman, Washington, D. C., assignor to Automatic Drive and Transmission Company, Ossining, N. Y., a corporation of New Jersey

Application November 12, 1937, Serial No. 174,252
11 Claims. (Cl. 192—105)

1. In an automatic clutch, in combination with the flywheel of an automotive power plant, said flywheel having a substantially flat bearing face disposed normal to the axis of rotation of the flywheel, an annular base plate of disc-like form mounted on said flywheel in engagement with said bearing face and secured to said flywheel

for synchronous rotation therewith, a clutch cover mounted on said base plate for synchronous rotation therewith, a driven shaft projecting into said cover, and having a driven plate mounted thereon, a driving plate located within said cover and disposed between said base plate and said driven plate and mounted for synchronous rotation with said flywheel and adapted to be moved axially into and out of engagement with said driven plate, said base plate having a plurality of accurately formed, inwardly facing, chordally disposed bearings, said bearings each providing a surface disposed parallel to said bearing face of said fly wheel and a contiguous inwardly directed surface disposed substantially normal to said first-named surface and cooperating therewith



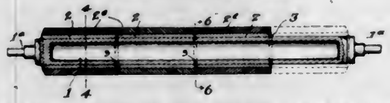
to define a dihedral angle, a plurality of centrifugally operable weight levers having radially directed foot portions providing knife-edge fulcrums in fulcrumming cooperating with said bearings and engaging said driving plate, and resilient means for yieldingly clamping the foot portions of said levers between said bearings and said driving plate, said weight levers being automatically operable to move said driving plate away from said flywheel against the action of said resilient means when said flywheel attains a predetermined rotative speed, said base plate being of greater diameter than said driving plate; and means for securing the margin of said cover to said base plate, whereby the clutch may be completely assembled at the factory, tested, and shipped as a complete unit.

2,181,798

DUCTOR ROLLER

James L. Blackley, Battle Creek, Mich., assignor to The Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan

Application September 28, 1937, Serial No. 166,221
7 Claims. (Cl. 101—348)



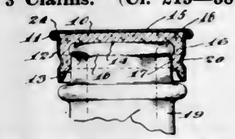
1. A ductor roller for the inking mechanism of newspaper printing presses, comprising a spindle and a plurality of removable and replaceable tubular sections corresponding in number with the page width of the press and slidably assembled on the spindle, each section comprising a metallic core and an exterior resilient covering approximating in length the width of a printing plate, and pre-positioned means carried by the spindle for individually detachably securing all or any less number of the sections in their respective fixed positions on the spindle.

2,181,799

RECEPTACLE CLOSURE

Leslie R. N. Carvalho, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application April 24, 1937, Serial No. 138,704
3 Claims. (Cl. 215—38)



1. A sheet metal closure comprising a circular top portion, a depending skirt at the margin of the top portion, a liner including an annular portion coextensive with the interior width of the skirt, said skirt having an annular internal bead and an inturned upwardly directed flange, said bead and flange cooperating with each other in securing the liner in the closure and effecting an inward bulging of a medial portion thereof while maintaining the liner and skirt in substantial intimate contact with each other throughout.

2,181,800

COLLOIDIZED AZO COLORING MATTER

Moses L. Crossley, Plainfield, Roy H. Kienle, Bound Brook, and Alfred L. Peiker, East Bound Brook, N. J., assignors to The Calco Chemical Co., Inc., Bound Brook, N. J., a corporation of Delaware

No Drawing. Application June 23, 1937, Serial No. 149,924
5 Claims. (Cl. 134—58)

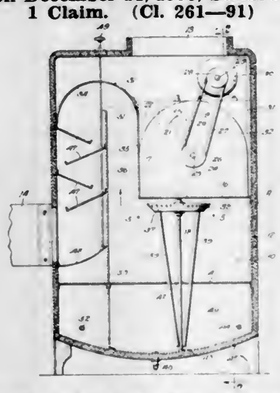
1. A powder having as its major coloring component a water insoluble azo color, a sufficient portion of the individual color particles being coated with an autodispersibility producing "protective agent" in an amount sufficient so that the powder as a whole possesses an autodispersibility of not less than 75% and a total dispersibility of not less than 90% with a substantial freedom from aggregates in the total dispersion visible as discrete particles by the naked eye.

2,181,801

AIR CONDITIONING APPARATUS

Harry B. Davison, Crown Point, and Emery M. Rice, Hanna, Ind.

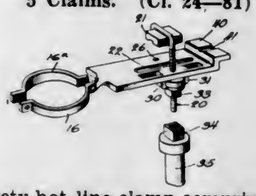
Application December 14, 1936, Serial No. 115,846
1 Claim. (Cl. 261—91)



Apparatus of the kind described comprising a casing having an air inlet, an air outlet, and a

water chamber in its lower portion, a valve-like support above the water chamber and extending partially across the said casing, a vertical shaft extending through the support above and below the same, an air flow device on said support and directing air flow downwardly beneath the latter, a vertical partition interiorly of the casing and rising a distance therein from the water chamber between and spaced from one side of the casing and the support, a vertical wall upstanding from said support next to said partition, an upwardly arched crown forming a continuation of said wall and meeting the side of the casing next to said partition for overhanging the latter, a weighted damper positioned and balanced in the arched crown next to the upstanding wall for engaging the partition at its uppermost end for the opening of the crown and establishing direct communication between the inlet and outlet, and a self-filling water distributor below the support, operated by said shaft and partially submerged in water within the said chamber, the air inlet being above the air flow device and arched crown, the outlet being in communication with the casing through the side thereof next to the partition and beneath the arched crown.

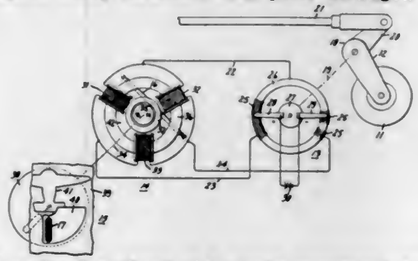
2,181,802
ELECTRICAL CONNECTOR
Arthur W. Faires, Leland E. Fine, and William H. Green, Wilkes-Barre, Pa.; Martha Faires administratrix of Arthur W. Faires, deceased; said administratrix assignor to Martha Faires, Wilkes-Barre, Pa.
Application March 30, 1938, Serial No. 198,998
5 Claims. (Cl. 24—81)



1. A safety hot-line clamp comprising, in combination, an elongated base member, means on one end of the member for securing the latter to an insulator, a J-shaped clamp bolt whose head provides a clamp jaw and having a threaded shank extending through the base member, and a rotatable nut threadedly related to the shank portion and operatively secured to the base member, said nut being operative from beneath the base member to actuate the bolt through said member whereby to move the jaw toward and away from the upper face of the member.

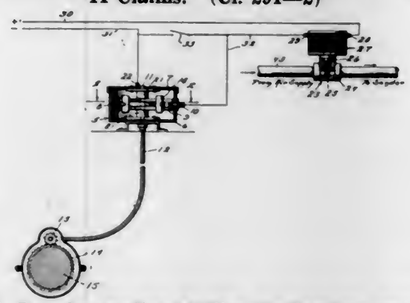
2,181,803
REMOTE INDICATOR
Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application November 4, 1938, Serial No. 238,851
6 Claims. (Cl. 177—311)

1. A receiver for a telemetering system energized by a source of current, comprising a pair of relatively rotatable elements, one of which carries an index and the other of which includes a face plate adapted to conceal said index in certain positions but to leave it exposed throughout the normal indicating range of the receiver, one of said elements comprising a permanently magnetized magnetic member with diametrically opposite pole portions, and the other of said elements comprising a power-failure indicator magnet and current-conducting coil means adapted to be energized for producing a diametric magnetic field varying in relative angular direction in response to variation in the indication to be transmitted through the telemetric system for normally controlling the angular position of said magnetic member, said power-failure indicator magnet being mounted with poles arranged at



the ends of a chord of a circle concentric with said elements, said chord being parallel to a line through the pole portions of said relatively rotatable magnetic member when the latter is in such a position that the index is concealed for indicating lack of energization of said current-conducting coil means.

2,181,804
AUTOMATIC HIGH SPEED SANDING MECHANISM
Virgil L. Frantz, Roanoke, Va., assignor to Graham-White Sander Corporation, Roanoke, Va., a corporation of Virginia
Application June 1, 1937, Serial No. 145,903
11 Claims. (Cl. 291—2)



1. In a locomotive sanding mechanism, means for supplying sand to the track rails in advance of the drivers, means normally maintaining said means inactive, and means for continuously actuating the maintaining means to enable the supply means to deliver sand to the rails just before the speed of the locomotive rises to a predetermined maximum high speed beyond which said drivers will slip upon a continued application of power thereto, said actuating means being automatically operated when the speed of the locomotive approximates said predetermined speed.

2,181,805
STARTING DEVICE FOR INTERNAL COMBUSTION MOTORS AND SIMILAR ENGINES
Oswald R. Fritz, Neckarsulm, Germany, assignor to Ural-Maschinenvertriebsgesellschaft m. b. H., Vienna, Austria
Application July 23, 1937, Serial No. 155,331. In Italy, France, Great Britain, and Austria April 30, 1937
8 Claims. (Cl. 185—41)

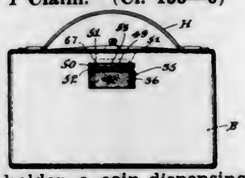
1. A starting device for internal combustion

and similar engines consisting of a casing, a driving part, a braking device, a loop-shaped steel band connected with one end to the driving part and with the other end to the braking device, a driven part for connection to the engine shaft,



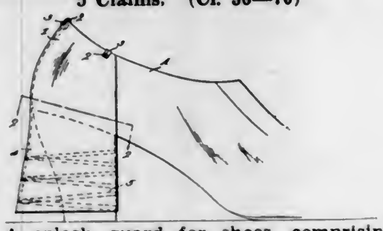
said band serving as a frictional coupling between the driving part and driven part, the steel band, the driving part, the braking device and the driven part being rotatably mounted in the casing.

2,181,806
COIN HOLDER
Nell Fulton, New York, N. Y.
Application June 9, 1936, Serial No. 84,358
1 Claim. (Cl. 133—6)



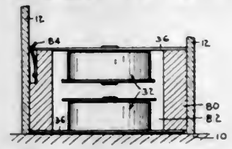
In a coin holder, a coin dispensing receptacle having coin accessible openings in its rear side and having a solid wall closing its front side, and a suspension device pivotally connected to the upper portion of the receptacle with the front side of the device facing in the same direction as that of the front side of the receptacle and the rear side having means therein for securement to a support whereby the receptacle normally rests with the coin accessible openings against the support and whereby it may be swung outwardly on the device for permitting ready access to the coins at the back of the receptacle.

2,181,807
SPLASH GUARD
Cyrus A. Geers, Ferguson B. Geers, and William A. Geers, Collinsville, Ill.
Application January 23, 1939, Serial No. 252,450
5 Claims. (Cl. 36—70)



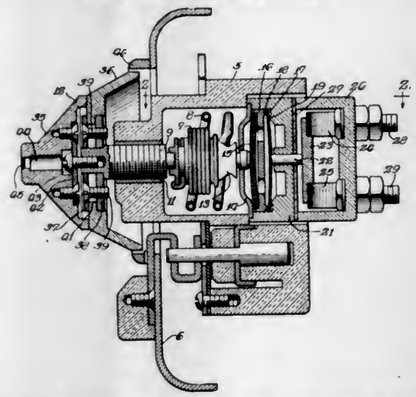
1. A splash guard for shoes, comprising a skirt connected to a shoe and being curved for disposal about the rear and sides of the heel thereof, said skirt being outwardly flared in spaced relation to the heel and shaped to be spaced a less distance from the inside of the heel than from the outside thereof, and channeled draining means on the inner surface of the skirt and sloping downwardly from the inside of the heel to the outside thereof.

2,181,808
DISPENSING AND DISPLAYING MEANS FOR NARROW FABRICS
Bertram J. Goldsmith, New York, N. Y.
Application August 20, 1937, Serial No. 160,039
6 Claims. (Cl. 206—77)



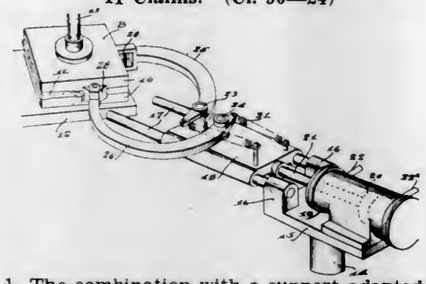
1. Means for displaying ribbons or other narrow fabrics in which a receptacle for a spool of ribbon is mounted within a cell defined by vertical walls and forms with said walls a supply compartment in the lower part of said cell and a display compartment in the upper part of said cell, said receptacle having a top wall carrying a spindle depending therefrom and projecting within the spool opening, when said spool is positioned horizontally in said receptacle, for guiding the spool in the rotation thereof while being unwound, said wall carrying the spindle being shaped and proportioned in relation to said cell-defining walls to permit the passage of the ribbon from the spindle side of the top wall to the outer side thereof in the display compartment.

2,181,809
THERMOSTATIC CONTROL DEVICE
John H. Grayson, Lynwood, Calif., assignor to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California
Original application September 29, 1936, Serial No. 103,160. Divided and this application October 7, 1937, Serial No. 167,792
3 Claims. (Cl. 200—140)



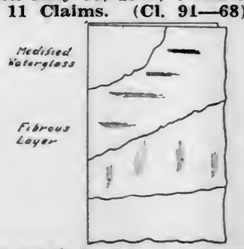
1. In a thermostatic device, the combination of a thermostat, an element to be operated, operative connections between said thermostat and said element, a threaded rotatable post for regulating operation of the element, a graduated sectional knob by which said post may be manually adjusted, an adjustable connection between one section of said knob and said post including a pair of disks rotatable with the post, means for frictionally clamping said section of the knob between said disks, said means being releasable to permit adjustment of said section relatively to the post, and means connecting the other knob section to the post for securing said knob as a whole on said post.

2,181,810
GLASS BLOCK TRIMMER
Charles E. Hawk, Muncie, Ind., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application January 21, 1939, Serial No. 252,141
11 Claims. (Cl. 90—24)



1. The combination with a support adapted to receive thereon a sectional article, the sections of which are bonded together by a bonding material, and means for maintaining the article immobile thereon, of means for removing excess bonding material from the article comprising a carriage movable toward and away from the support, a pair of cutters mounted on the carriage for movement toward and away from each other, means yieldingly urging the cutters into a position of engagement, and means for moving the carriage.

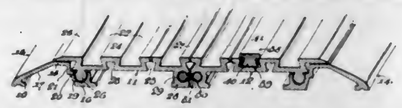
2,181,811
COATED LAMINATED STRUCTURAL MATERIAL
Everett C. Hughes, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application May 19, 1937, Serial No. 143,542
11 Claims. (Cl. 91—68)



1. A laminated structure, comprising plural fibrous layers of sheet cellulose, and conforming accurately to the cellulose and having substantially the same rate of expansion and contraction, an oil-proof amorphous surface layer of sodium silicate whose SiO_2:Na_2O ratio is such as resultant from five to forty per cent of a 2:1 sodium silicate, and seventy to thirty-five per cent of a 3.25:1 sodium silicate, and smaller amounts of gum arabic, glyceral and soap.

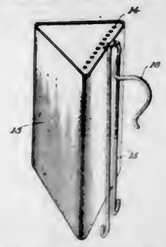
2,181,812
DOOR SADDLE
Fred W. Kammerer, New York, N. Y.
Application August 6, 1937, Serial No. 157,793
9 Claims. (Cl. 20—64)

1. A metal door saddle comprising a tread section and a side section, said side section having marginal portions providing support and an elevated medial portion with a flat top, one of said marginal portions having a longitudinally extending, upwardly facing, downwardly enlarged recess and the other marginal portion having a downwardly inclined upper surface, the tread section having a rib substantially complementary to said recess and engageable in the latter only by relative longitudinal movement of



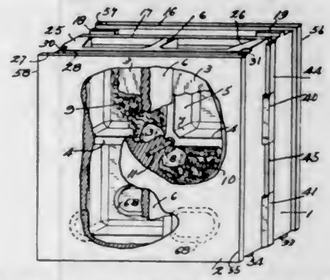
the sections, the tread section having a marginal flange projecting laterally beyond the rib, closely overlying said medial portion of the side section when said sections are engaged together and shielding the joint between the sections.

2,181,813
DRAPE SHAPER
Fred Kaufman, Woodbridge, N. J.
Application January 30, 1939, Serial No. 253,695
3 Claims. (Cl. 156—21)



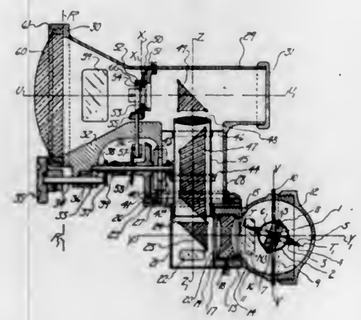
1. A drape shaper comprising a hollow body portion provided in the upper end face adjacent that edge nearest the window side with a row of perforations, a U-shaped clip secured at its bight to the upper end of said side of the body, and a hook located at said side of the body and secured at its upper end to the upper end of the clip, said perforations being adapted to receive pins for securing the upper edge of the drape to said body.

2,181,814
CONCRETE BUILDING BLOCK
Moses A. Knapp, Los Angeles, Calif.
Application September 20, 1938, Serial No. 230,807
14 Claims. (Cl. 72—42)



1. A hollow concrete building block adapted to be used in multiple in forming the wall of a building, and consisting of two pre-fabricated concrete parts; said block parts having two opposite broad surfaces, one on each of said parts to form portions of the outer and inner surfaces respectively of said wall, and means uniting said parts rigidly and inseparably before installation in said walls.

2,181,815
AIRCRAFT INSTRUMENT
Karolus E. Kunze, Jamaica, N. Y., and Theodore L. Soo-Hoo, Quincy, Mass.
Application May 6, 1936, Serial No. 78,138
5 Claims. (Cl. 88—1)



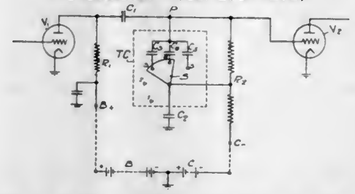
1. In an aircraft instrument, the combination of an instrument case; a compass case attached thereto for relative revolution about a vertical axis; a statically balanced directive magnet system within said compass case and having three degrees of angular freedom relative to said case; equatorial and polar markings on said magnet system; vertical and horizontal cross wires mounted in said compass case; a graduated, rotatable course dial mounted in said instrument case; optical means for enabling simultaneous observation of said dial, and said cross wires superposed over said markings, continuously, irrespective of the angular position of said compass case relative to the observer's position; and means for rotating said compass case and said course dial in synchronism, relative to said instrument case.

2,181,816
COLLAPSIBLE MANDREL FOR SMALL-MOUTHED CONTAINERS
Irving F. Mandell, New Rochelle, N. Y., assignor to Reinforced Paper Bottle Corporation, New York, N. Y., a corporation of Delaware
Application October 24, 1938, Serial No. 236,820
11 Claims. (Cl. 93—59)



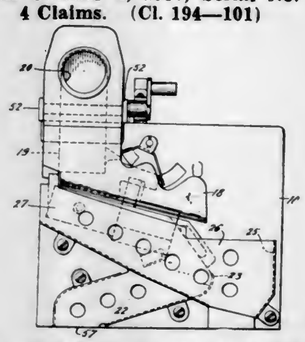
1. A closure setting device for the bottoms of containers, comprising a rigid support enterable through the smaller end of the container, and an expansible head carried by said support to abut the bottom closure unyieldingly along its entire marginal area and at a spaced distance within the larger end of the container.

2,181,817
TONE CONTROL
Ambrose C. Miller, Jenkintown, Pa., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 8, 1936, Serial No. 78,702
In Great Britain May 25, 1935
3 Claims. (Cl. 179—171)



1. In a radio receiving system or the like, a space discharge device having an anode, an energizing circuit for said anode including a source of unidirectional potential, signal transfer means including a condenser connected to said anode and to said energizing circuit, a second space discharge device having a control grid and a cathode, means connecting said control grid to said signal transfer means, a grid resistor connected to said control grid, a source of grid-biasing potential connected between said resistor and said cathode so as to bias said grid negatively to prevent flow of unidirectional current thereto during normal operation of said second device, a tone control device comprising a plurality of condensers and switching means for rendering one or more of said condensers effective, means connecting said tone control device directly across at least a portion of said grid resistor to the exclusion of said grid-biasing source, and a condenser connected between said tone control device and the positive side of said grid-biasing source.

2,181,818
COIN SELECTOR
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1937, Serial No. 166,765
4 Claims. (Cl. 194—101)



1. In a coin selector for paramagnetic coins, means for effecting separation of coins of intermediate paramagnetic qualities from slugs of higher paramagnetic qualities comprising a selector chute adapted to receive coins to be tested, a horseshoe magnet the pole faces of which are elongated in a direction perpendicular to the plane of the magnet, one of said faces extending longitudinally of said selector chute and forming the bottom therefor, said face being substantially longer than the diameter of a Cana-

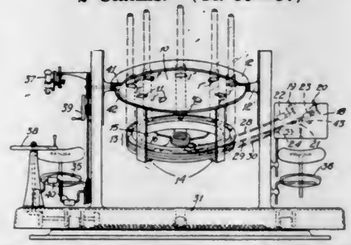
dian five-cent coin, a discharge chute adjacent said magnet for receiving coins which are substantially retarded by the magnet, and a second discharge chute for receiving coins which are not substantially retarded by the magnet.

2,181,819

GUN BATTERY OR MOUNTING, MORE PARTICULARLY FOR ANTIAIRCRAFT DEFENSE

Fernand Radelet and Max Schul, Brussels, Belgium

Application March 16, 1936, Serial No. 69,208
In France March 16, 1935
2 Claims. (Cl. 89—37)



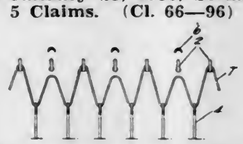
1. In a gun battery, the combination of a support, a cradle adapted to be trained on said support, a plurality of gun barrels arranged in a bundle on said cradle, means for rotating said barrels about the axis of said bundle, means for moving said barrels angularly with respect to said axis to open and close said bundle, both said means being operable separately and simultaneously, said barrels being each pivoted on said cradle for angular movement tangentially with respect to said axis, means operable independently of both said means for angularly offsetting some of said barrels with respect to others of said barrels, and means operable during the rotation of said barrels to control said offsetting means.

2,181,820

METHOD OF KNITTING SELVEDGE EDGES ON FULL FASHIONED KNITTING MACHINES

Ervin S. Sachsenmaier, Charlotte, N. C., assignor to Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C., a corporation of Delaware

Application January 23, 1936, Serial No. 60,494
5 Claims. (Cl. 66—96)



1. Steps in the method of knitting a selvedge on a full fashioned knitting machine comprising forming a first course of loops held by the needles and all the hooks of the usual welt hook bar, transferring the loops from alternate needles to picot points, releasing the loops from the picot points while retaining the loops on the intermediate needles and welt hooks, and forming a second course of loops on all needles and casting off the remaining loops of the first course.

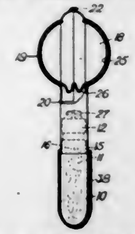
2,181,821

GOLF BALL WARMER

Jackson P. Seals, Richmond, Va.

Application December 28, 1938, Serial No. 248,140
6 Claims. (Cl. 263—5)

1. In a device of the character described, a casing formed of a plurality of relatively movable parts, said casing having therein an upper chamber to receive a golf ball to be warmed, a lower chamber to serve as a fuel receptacle, and a space within the upper chamber formed by cooperating depressions in two of said relatively movable parts so as to hold a golf ball between them, and a heat producing element within the casing receiving fuel from said receptacle for warming the upper chamber.

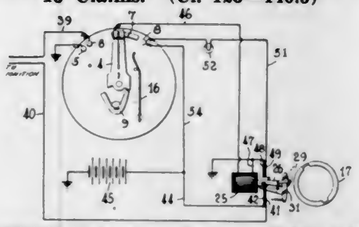


2,181,822

VEHICLE LOCK

Louis R. Smith, San Diego, Calif., assignor of twenty per cent to Bernhart O. Larsen, twenty per cent to Christian A. Larsen, and thirty per cent to Goldie V. Smith, all of San Diego, Calif.

Application September 14, 1938, Serial No. 229,977
13 Claims. (Cl. 123—146.5)



1. Vehicle locking means comprising a switch, contacts adapted to be closed by the switch to complete an ignition circuit, other contacts adapted to be closed by the switch to close a circuit adapted to release a latch, and a lock normally preventing movement of the switch to close the latch releasing contacts.

2,181,823

PRODUCTION OF ALKYLATED PHENOLS

Donald R. Stevens, Swissvale, and Joseph E. Nickels, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application April 11, 1938, Serial No. 201,458
6 Claims. (Cl. 260—624)

1. A process for the production of mono-hydroxy phenolic compounds alkylated in the hydroxylated nucleus comprising heating a mixture of an olefin and a mono-hydroxy phenolic compound in the presence of a solution of an alkali sulfate in sulfuric acid.

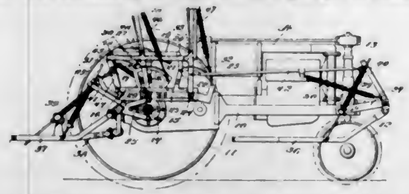
2,181,824

TRACTOR CULTIVATOR

Harry Stuva, Corning, Iowa

Application November 7, 1938, Serial No. 239,350
5 Claims. (Cl. 97—47)

1. A cultivator attachment for a tractor having a chassis frame and a transmission housing, comprising a pair of plates having coupling with the housing, a master lever swingably attached to one of said plates, auxiliary levers swingably attached to said plates, brackets fixed to the chassis frame, a rocking shaft journaled in said plates and having cranks, swingable keeper segments associated with the auxiliary levers, shovel gangs arranged at opposite sides of the tractor, raising and lowering arms having connection with said gangs, connections between said arms and said auxiliary levers, a stationary keeper sector associated with the master lever, linkage between the swinging segments and said cranks, and a link connection between the master lever and one of said cranks.

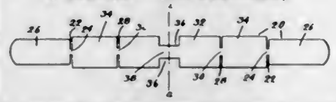


2,181,825

ELECTRIC FUSE

Morris B. Wood, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts

Application March 26, 1936, Serial No. 70,943
6 Claims. (Cl. 200—135)



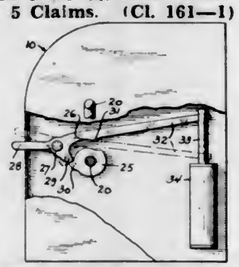
1. An electric fuse comprising a conducting link having a fusing section of reduced cross-sectional area, said link having generally parallel confronting faces at the ends of said fusing section, and said fusing section and the space between said faces being sufficiently short to enable the link parts on opposite sides of the fused fusing section to deionize the arc space therebetween formed by the fusing of said fusing section, said space being not materially greater than four hundredths of an inch.

2,181,826

DISPENSING DEVICE

Philip A. Wooster, San Francisco, Calif.

Application June 22, 1936, Serial No. 86,485
5 Claims. (Cl. 161—1)



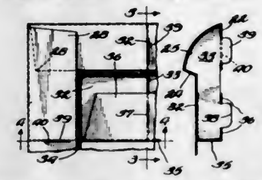
2. In a dispensing device including a latch normally preventing a dispensing operation and releasable to permit a dispensing operation, a manually actuated pivoted lever for releasing said latch, and a dashpot having a piston connected with said lever to retard the releasing movement thereof.

2,181,827

FOLDING DISPLAY FRAME

Henry Ziemmerman, Chicago, Ill., assignor to Chicago Cardboard Company, Chicago, Ill., a corporation of Illinois

Application May 2, 1938, Serial No. 205,418
13 Claims. (Cl. 40—154)



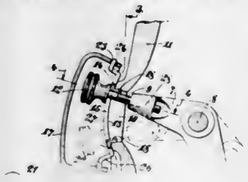
1. A folding display of sheet material including a picture plane and a frame therefor, comprising a sheet with edges cut and scored to form a hollow frame, a folding and extensible support attached at the back of the sheet having locking wings movable at right angles to the back of the sheet and extending transversely in the portion forming the hollow frame therefor for extending and holding the frame in distended position.

2,181,828

GUARD FOR SEWING MACHINE STITCH REGULATORS

Max Ingwer, Bronx, and Harry Fleisher, Brooklyn, N. Y., assignors to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York

Application August 1, 1938, Serial No. 222,364
10 Claims. (Cl. 112—261)



1. A guard for a stitch regulator of the type in which a screw is adjusted in a slot in a sewing machine head and is secured in adjusted relation by means of a head on the outer end of the screw which can be turned down into clamping engagement with the outer face of the sewing machine head, said guard comprising a base plate slotted to match the slot in the sewing machine head and thereby adapted to pass the shank of the screw and to be secured by the head of the screw, a cover for the screw head and means for locking said cover to said base plate, including a movable locking element.

2,181,829

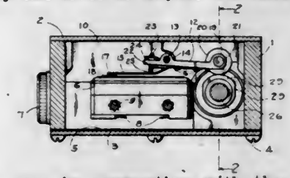
CIRCUIT BREAKER

Max L. Jeffrey, Shaker Heights, Ohio, assignor, by mesne assignments, to The M. L. Jeffrey Corporation, Cleveland, Ohio, a corporation of Ohio

Application March 13, 1939, Serial No. 261,411
5 Claims. (Cl. 200—153)

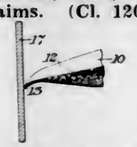
1. A switch operating mechanism including a housing, a switch fixedly supported within the housing and having an operating pin, means for moving said pin comprising a lever pivotally supported in the housing, a spring carried thereby

and having an end disposed on said pin, means carried by the lever to adjust the tension of the



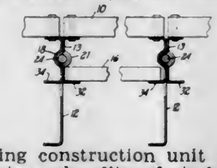
spring, a cam in connection with the lever and adapted to be moved from without the housing.

2,181,830
RECORDING METER PEN
Harry C. Kofke, Philadelphia, Pa., assignor to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J., a corporation of New Jersey
Application June 26, 1936, Serial No. 87,421
3 Claims. (Cl. 120—43)



1. A fountain pen for use with recording meters made of thin sheet metal and having a sharply channeled, downwardly curved, marking end V-shape in cross section for direct presentation of ink to a vertically disposed moving record surface.

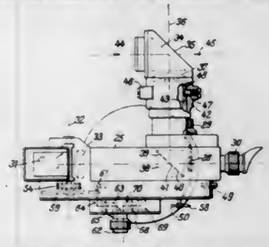
2,181,831
BUILDING CONSTRUCTION
Robert W. McLaughlin, Jr., New York, N. Y., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware
Application July 8, 1937, Serial No. 152,514
3 Claims. (Cl. 189—34)



1. A building construction unit comprising a panel element, a plurality of stud elements affixed to one face of said panel element and adjacent opposite edges thereof and extending therefrom, one of said stud elements being substantially longer than the other of said stud elements, the shorter of said stud elements being provided with a second panel-engaging portion at its outer edge, and the longer of said stud elements being provided with a second panel-engaging element spaced from said first-mentioned panel by substantially the depth of the shorter of said stud elements.

2,181,832
THEODOLITE
Kurt Moerbitz and Erwin Roux, Berlin, Germany, assignors to Askania-Werke A. G., a corporation of Germany
Application February 17, 1938, Serial No. 191,121
In Germany February 22, 1937
6 Claims. (Cl. 88—2.7)

6. Theodolite comprising, in combination, an eye-piece; an index prism in the path of light of said eye-piece and of a first objective for scanning objects in elevation, said first objective being mounted adjacent to said index prism; a second prism in the path of light of said eye-piece and of a second objective mounted adjacent to said second prism; means for adjustably supporting said second prism about a horizontal axis for alternately receiving light from one of two opposite horizontal directions; and a double



prism mounted between the eye-piece and said objectives, said double prism having a semi-transparent reflecting surface transmitting light from the index prism and from the second prism to the eye-piece.

2,181,833
BEATER OR MIXER
Cesare Palmieri, New York, N. Y., assignor of thirty three and one-third per cent to Marie Milano and thirty three and one-third per cent to Louisa Corsaro and one-fifth to Waldo M. Chapin, New York, N. Y.
Application July 1, 1938, Serial No. 216,860
1 Claim. (Cl. 259—135)

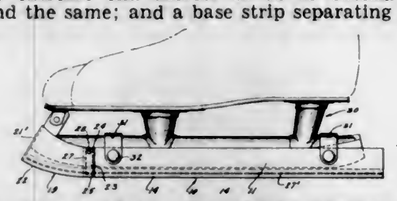


A readily portable beater comprising a rotor element and an operator element; said rotor element including an elongated tube intended to extend downward into the contents of a vessel and closed to exclude its contents, a beater device fast on said tube near its lower end, a disk-like fly wheel fast on said tube and arranged to rotate above the level of the materials, and a one-way clutch device having its driven member fast on the tube above said level; and said operator element comprising a shaft disposed slidingly within the tube spiralled to engage the driving member of said clutch and cause one-way operation of said rotor when the operator element is reciprocated up and down by one hand of the user.

2,181,834
SCABBARD
Howard M. Pierce and John H. Hermson, Brooklyn, N. Y., assignors to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware
Application July 1, 1938, Serial No. 216,936
5 Claims. (Cl. 280—11.38)

1. A skate scabbard comprising side strips; a pocket separate from said strips but secured to

one extreme end thereof so as to extend beyond the same; and a base strip separating said



side strips and being of greater length than said side strips so as to project into said pocket.

2,181,835
THREAD SURFACE COATING COMPOSITION
Charles E. S. Place, Detroit, Mich., assignor to Clare L. Brackett, Detroit, Mich.
No Drawing. Application August 7, 1937, Serial No. 157,978
2 Claims. (Cl. 134—17)

1. A liquid composition for coating the thread surfaces of metal screw threaded fastening elements, consisting of a water dispersion of wetted graphite in latex in the proportions of 10% or less of latex dry solids to graphite, by weight.

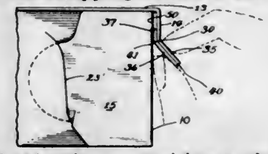
2,181,836
FULL FASHIONED STOCKING
Otto F. Smetana, Philadelphia, Pa., assignor to Quaker Hosiery Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 9, 1935, Serial No. 20,541
2 Claims. (Cl. 66—178)



1. A full fashioned stocking having a central and two side areas joined together by seams in which the threads of said side areas are interknitted to form closed split seams, one of said areas extending greater or less coursewise distances as the other said area extends less or greater distances, a thread of one of said areas extending beyond the average width of one of said seams in one course in one direction from the seam and a thread of one of said areas extending from the other of said seams in the opposite direction from the seam and in the course following said one course, to thereby lessen the rigidity of the closed split seam.

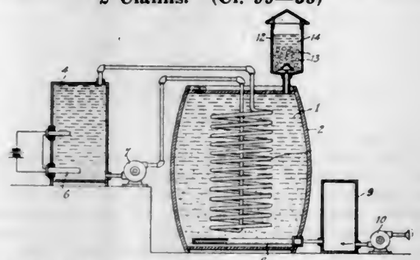
2,181,837
CARTON
Donald A. Snyder, Neenah, and Richard T. Hill, Menasha, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application July 22, 1938, Serial No. 220,684
7 Claims. (Cl. 229—51)

1. A carton formed from a paper blank scored and cut to form a bottom, front and back walls and a cover, end flaps on said walls for closing the ends of the carton, an extension on the free edge of the cover adapted to be folded over the front wall in overlapping relation and adhered



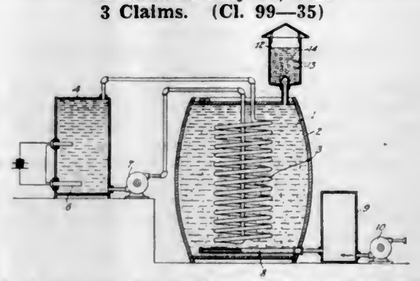
thereto, said extension comprising a plurality of adjacent panels, the free end panel being adapted to be glued to the front wall and the intermediate panels providing grasping means for tearing said end panel free without peeling a fibrous layer from the inner surface of the cover panel.

2,181,838
WINE PROCESS
Donald K. Tressler, Geneva, N. Y., assignor to Cornell Research Foundation, Inc., Ithaca, N. Y., a corporation of New York
Application August 20, 1938, Serial No. 225,896
2 Claims. (Cl. 99—35)



1. A wine making process which consists in taking wine stock including wine made from grapes of Labrusca blood, having a bright red color and foxy flavor, heating it substantially above room temperature but below 150° F., simultaneously passing through the heated stock large quantities of minute bubbles containing oxygen, and regulating the combined effect of time and temperature so that the oxygen treatment is terminated before the stock develops a sherry flavor, whereby the foxiness is eliminated and the color changed from red to tawny.

2,181,839
WINE PROCESS
Donald K. Tressler, Geneva, N. Y., assignor to Cornell Research Foundation, Inc., Ithaca, N. Y., a corporation of New York
Application July 5, 1939, Serial No. 282,913
In Canada May 12, 1938
3 Claims. (Cl. 99—35)



1. A process for making sherry wine, which

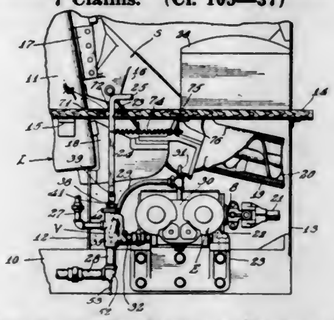
consists in taking wine stock including wine made from grapes of Labrusca blood, heating it to approximately 135° F., and maintaining it at that temperature for a period of several weeks, and simultaneously passing large quantities of minute bubbles containing oxygen through the heated stock, whereby a sherry flavor is produced in a few weeks.

2,181,840

CONTROL VALVE

Edwin Archer Turner, New York, N. Y., and Charles R. Davison, Erie, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware

Application August 19, 1936. Serial No. 96,804
7 Claims. (Cl. 105—37)



1. In a locomotive having a frame and a cab deck above said frame supported thereby, the combination of a control valve for a reversible engine supported on a part of the locomotive beneath said deck and having a slight movement with respect to said cab deck during normal operation of the locomotive, said control valve including a body member having therein a pressure fluid intake passage and a pair of discharge ports arranged to selectively receive pressure fluid from said intake passage, one of said discharge ports communicating with said engine for operating it in a forward direction and the other of said discharge ports communicating with said engine for operating it in a reverse direction, a movable valve element for selectively establishing communication between said intake passage and either of said ports, and an inextensible rod operatively connected to said movable valve element and extending upwardly through said cab deck, said rod being loosely related and movable with respect to said deck when said movable valve element is in a position to establish communication between said intake port and the port communicating with the engine for operating it in a forward direction.

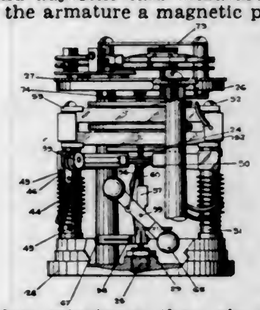
2,181,841

MOTOR AND MOTOR-OPERATED APPARATUS

Charles F. Wallace, Westfield, and John R. MacKay, West Caldwell, N. J., assignors to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Application May 18, 1936. Serial No. 80,264
14 Claims. (Cl. 172—36)

9. In an electromagnetic translating device which has a field winding comprising a solenoid, in combination, a magnetizable armature mounted for movement within said solenoid about an axis at an angle to the axis of the solenoid, flux-localizing means comprising a member of high magnetic permeability disposed exteriorly of said solenoid and adjacent said armature, and providing for the armature a magnetic path of substantially less reluctance than air, and means controlled by movement of said armature for energizing and deenergizing said field winding to produce a torque upon and move said armature.

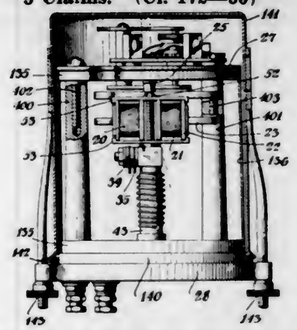


2,181,842

ELECTRIC MOTOR APPARATUS

John R. MacKay, West Caldwell, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Application October 7, 1938. Serial No. 233,842
5 Claims. (Cl. 172—36)



1. An electric motor comprising in combination, a stator including an air core solenoid, a permanently magnetized rotor mounted for rotation within said stator, means controlled by rotation of said rotor for energizing said stator more than once during each rotor revolution to produce a torque upon and rotate said rotor, and means biasing said rotor to one or another of a plurality of starting positions in cooperation with said first mentioned means.

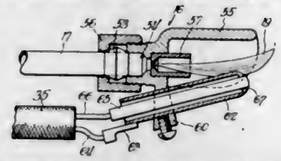
2,181,843

PILOT BURNER HEAD AND SUPPORT FOR THERMOCOUPLES

Clarence Wantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application July 5, 1934. Serial No. 733,722
9 Claims. (Cl. 136—4)

6. In combination, a pilot burner head having a portion formed for connection with a fuel supply conduit, a pilot flame tip on said burner head and having a port for directly a pilot flame generally axially thereof, a thermocouple, a bracket on said head having an opening inclined to the axis of said port for supporting said thermocouple at an angle to said port and with the end of the thermocouple in proximity to the axis of said port and beyond the end of said tip, and a shield on said burner head having an opening for receiving the end of the thermocouple and confining



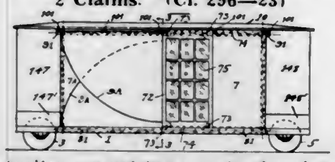
the pilot flame so that the outer end of the thermocouple will be responsive to the heat of said flame.

2,181,844

COLLAPSIBLE HOUSE TRAILER

Leo Winters, Detroit, Mich.

Application July 16, 1938. Serial No. 219,539
2 Claims. (Cl. 296—23)



1. A trailer comprising a main chassis mounted upon road wheels and having fixed floor and roof members and also fixed wall sections defining permanently enclosed spaces at each end, the sides intermediate said spaces being normally open; auxiliary floor members of substantially semi-circular shape hinged to said chassis and adapted for form extensions of the fixed floor member and to fold upwards against the sides and fill the open spaces therein; auxiliary roof members of substantially semi-circular shape hinged to said chassis and adapted to form extensions of the fixed roof member and to swing downwards upon the folded floor members; arcuate wall members pivoted to said fixed floor and roof members and adapted to coincide with the edges of said auxiliary floor and roof members and to partially enclose the spaces therebetween, and to swing inwardly into folded positions within the main chassis; and arcuate door sections arranged in telescopic relation with said wall members and adapted to extend outwardly to complete the enclosure of the semi-circular spaces between said auxiliary floor and roof members.

2,181,845

MEDICINAL AGENT

Gordon A. Alles, Los Angeles, Calif.

No Drawing. Application September 16, 1938, Serial No. 230,205
8 Claims. (Cl. 167—65)

1. A medicinal agent for administration by application to mucosal membranes to stimulate peripheral neuro-muscular mechanisms under control of the sympathetic nervous system, comprising a compound from the group consisting of the stable, non-toxic, soluble, acid addition salts of 1-(parahydroxyphenyl)-2-aminopropane suitably extended by association with an excipient adapting it for application to mucosal membranes.

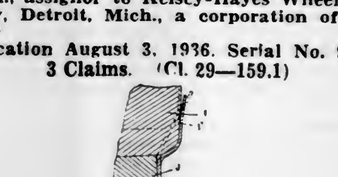
2,181,846

EXPANSIBLE PLATE CLAMP ASSEMBLY FOR A CYLINDER OF A PRINTING PRESS

Arthur Cooper, Elvaton, Md.

Application June 22, 1939. Serial No. 280,496
5 Claims. (Cl. 101—378)

1. A plate clamp assembly comprising two interengaged blocks each having a plate-grip-element on its upper side and each having an upright side formed with a groove for sliding engagement with one of two parallel gibs, and means operable to move said blocks in the same direction for causing them to slide along said gibs and thereby to press their plate-grip-elements against a plate's edge and to move them in opposite directions laterally of the gib-engaging grooves for pressing them tightly against the respective gibs, substantially as described.



2,181,847

ROASTING MACHINE

Nello Finizio, Peekskill, N. Y.

Application February 5, 1937. Serial No. 124,186
3 Claims. (Cl. 126—41)



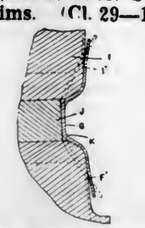
2. A machine of the character described comprising a casing having a roasting chamber therein, a heater in said chamber, a head at the bottom of said chamber rotatable about a vertical axis to receive and rotate a food support, a food support including a body mounted on said head to rotate therewith, a stationary sprocket coaxial with said head, a plurality of spindles journaled on said body to rotate on vertical axes relatively to said body, sprockets on said spindles, an endless chain passing around said stationary sprocket and said spindle sprockets to cause rotation of said spindles simultaneously with rotation of said body, means for rotating said head and said body, and food supports mounted on said spindles.

2,181,848

METHOD OF FORMING DROP-CENTER WHEEL RIMS

Frank H. Le Jeune and John E. Copeland, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application August 3, 1936. Serial No. 94,082
3 Claims. (Cl. 29—159.1)



1. In a method of forming drop-center wheel rims, the steps of forming a hoop of a diameter substantially corresponding to the base of the well of the rim, expanding in diameter and progressively reducing in thickness portions on opposite sides of that portion for forming the well

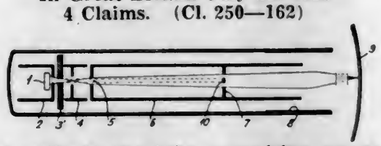
base to produce substantially straight line flares extending substantially from the last-mentioned portion to the edges of the portions being expanded while the latter portions are free from any external constraint, maintaining the diameter of the portion for forming the well base and while the diameter is being maintained, applying pressure in an axially inward and radially outward direction to the flared portions in zones intermediate the outer and inner ends thereof to move the same axially inward and radially outward while the flared portions are free from any external constraint, thereby forming the sides of the well and subsequently refashioning the portions beyond the sides of the well to form the bead seats and flanges.

2,181,849
STAPLE PUSHER
Jacob Meltzer, Port Jervis, N. Y.
Application February 7, 1938, Serial No. 189,186
1 Claim. (Cl. 254—28)



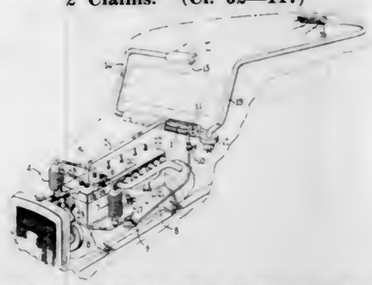
A staple pusher comprising a shank portion having an impact head at one end thereof, a blade member at the other end of said shank member of a width materially greater than the shank member, a rounded portion at one side of said blade, a point at the end of said blade, said blade being provided with a recess approximately directly opposite the rounded portion thereof, said blade being of a width sufficient to engage the maximum area of a staple and a straight portion extending from said recess to said rounded portion and parallel to the axial line of said shank to form a point for insertion in a staple.

2,181,850
CATHODE RAY TUBE
Frederick Hermes Nicoll, Ickenham, England, assignor to Electric & Musical Industries, Limited, Hayes, Middlesex, England, a British company
Application July 17, 1937, Serial No. 154,147
In Great Britain July 25, 1936
4 Claims. (Cl. 250—162)



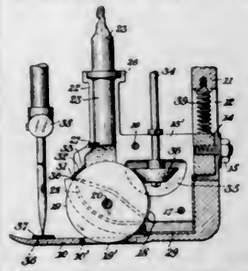
3. A cathode ray tube comprising means including a cathode for producing an electron beam wherein negatively charged ions may be present, a fluorescent screen or other surface upon which the beam may be focused, means including means for developing a magnetic field for causing deflection of the electrons to a greater extent than the deflection of the ions, means for intercepting the ions, and means for subsequently focusing the electrons upon the fluorescent screen whereby the electron beam, when impinging upon the screen or other surface, is substantially free from negative ions.

2,181,851
REFRIGERATING SYSTEM
Peter Schlumbohm, New York, N. Y., assignor, by direct and mesne assignments, to Propane Development Corporation, New York, N. Y., a corporation of Delaware
Application August 9, 1937, Serial No. 158,046
2 Claims. (Cl. 62—117)



1. The combination, with a vehicle having an enclosed compartment, of a multicylinder expansible chamber structure and means cooperating with said structure to form a refrigerating system and a power plant for propelling said vehicle and actuating said refrigerating system; said system including an evaporator, adapted to cool said compartment, and a condenser; means so connecting certain of said cylinders to said evaporator and condenser that such cylinders may serve as a compressor to withdraw refrigerant vapor from said evaporator and to compress same so that it may be condensed in said condenser; and intake means and exhaust means connected to the rest of said cylinders for respectively supplying fuel thereto and withdrawing the products of combustion therefrom.

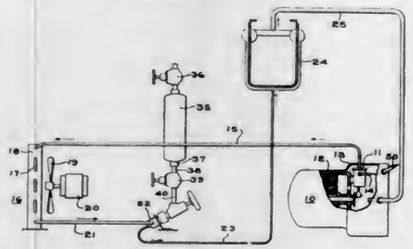
2,181,852
PROCESS AND APPARATUS FOR ORNAMENTING LEATHER AND FABRICS
René Marc Sichere, Long Island City, N. Y.
Original application December 9, 1937, Serial No. 178,980. Divided and this application April 23, 1938, Serial No. 203,893. Renewed October 28, 1939
5 Claims. (Cl. 101—26)



4. In a machine for ornamenting material, such as leather or fabric, wherein the material is fed through the machine during ornamentation

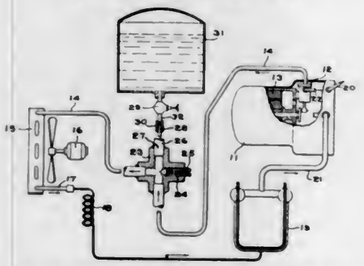
thereof, a presser foot and carrying shank therefor, a reciprocating head on the machine, a pair of needles carried by the head for forming parallel rows of perforations in the material in simulation of lines of stitching and means carried by the presser foot between the presser foot shank and needles for applying a colored stripe to the material between the lines of perforations in the material.

2,181,853
METHOD OF CHARGING
Graham S. McCloy, East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1938, Serial No. 191,993
Renewed October 11, 1939
11 Claims. (Cl. 62—170)



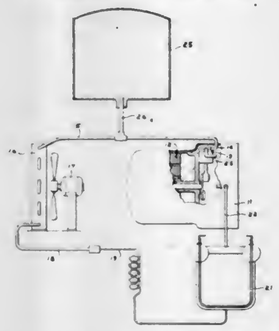
1. The method of charging and removing non-condensable gases from a refrigerating system including a compressor, a condenser, and an expansion device, which method comprises connecting a container containing liquid refrigerant to the refrigerating system intermediate the condenser and the expansion device with the container disposed above the connection, admitting liquid refrigerant from the container to the refrigerating system, operating the compressor to collect non-condensable gases in the container, venting said non-condensable gases from the container adjacent the top thereof while the compressor is operating, shutting off communication between the refrigerating system and the container, and disconnecting the container from the refrigerating system.

2,181,854
REFRIGERATION APPARATUS AND METHOD
William B. Anderson, West Springfield, and Graham S. McCloy, East Longmeadow, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1937, Serial No. 156,162
21 Claims. (Cl. 62—115)



10. In refrigerating apparatus in which a refrigerant is compressed, condensed and vaporized, the combination with a compressor, a condenser, an evaporator, a float controlled device disposed between the condenser and the evaporator, a container connected to said float control device in the high pressure portion thereof, said container containing a complete charge of refrigerant for the refrigerating system so that the refrigerant will flow into the system, said container being adapted to collect the non-condensable gases present in the system when said compressor is operating and to retain the non-condensable gases therein.

2,181,855
REFRIGERATION METHOD
Graham S. McCloy, East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1937, Serial No. 140,011
Renewed June 1, 1939
6 Claims. (Cl. 62—170)

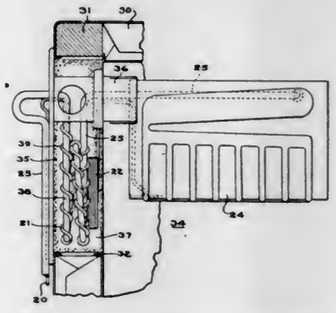


3. The combined method of charging a refrigerating system and effecting the removal of the non-condensable gases initially contained therein, said system having high and low pressure sides and including an evaporator, a compressor, a condenser, and an expansion device, which method comprises charging the system with refrigerant while the system contains gases which are non-condensable at ordinary temperatures, establishing communication between the high pressure side of the system and a container connected thereto and of sufficient size to hold, at condenser pressure, the non-condensable gases contained in the system during said charging, transferring said non-condensable gases from the system to the container by operating the compressor to effect flow of a mixture of non-condensable gases and refrigerant vapor at substantially condenser pressure into the container, condensing refrigerant vapor from the mixture in the container and returning the condensed refrigerant to the system, and disconnecting said container from the system while the non-condensable gases collected in the container are retained therein.

2,181,856
REFRIGERATION APPARATUS
Graham S. McCloy, East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1938, Serial No. 187,591
18 Claims. (Cl. 62—115)

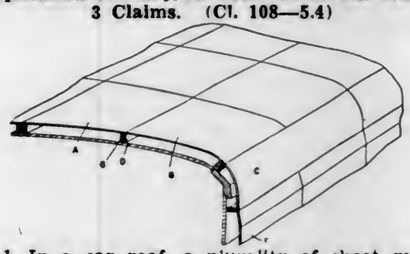
13. In a refrigerating system, in combination,

a compressor, a condenser, an evaporator, a tube of small diameter and considerable length for restricting the flow of refrigerant liquid from the condenser to the evaporator, and a suction conduit of substantially larger diameter than said



tube for conveying vaporized refrigerant from the evaporator, substantial portions of the walls of said tube and said suction conduit being disposed in intimate metallic heat conducting relationship and exposed to the ambient atmosphere.

2,181,857
CAR ROOF
Karl F. Nystrom, Milwaukee, Wis., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, Hammond, Ind., a corporation of Delaware
Application January 10, 1938. Serial No. 184,297
3 Claims. (Cl. 108—5.4)

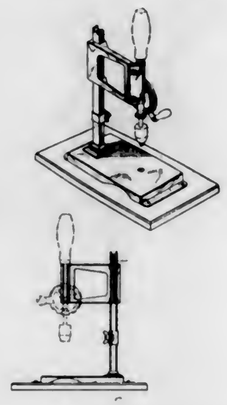


1. In a car roof, a plurality of sheet metal panned sections having depending flanges welded to each other and together constituting a transverse arch, and similar sections of heavier gauge metal forming side plates at the base of the arch, said side plates being curved upward and inward to provide increased internal capacity while remaining within standard external clearance lines.

DESIGNS

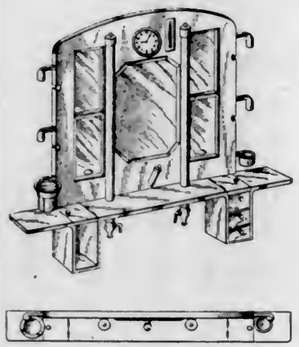
NOVEMBER 28, 1939

117,777
DESIGN FOR A COMBINED DRILL PRESS AND FRAME
Waldemar Ayres, New York, N. Y.
Application April 12, 1939. Serial No. 84,227
Term of patent 14 years



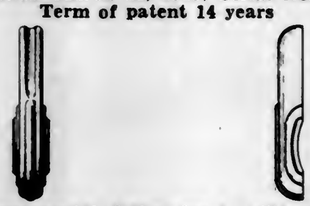
The ornamental design for a combined drill press and frame, substantially as shown.

117,778
DESIGN FOR A COMBINATION BATHROOM DRESSER CABINET OR SIMILAR ARTICLE
Charles S. Amis, Washington, D. C.
Application August 31, 1939. Serial No. 86,991
Term of patent 7 years



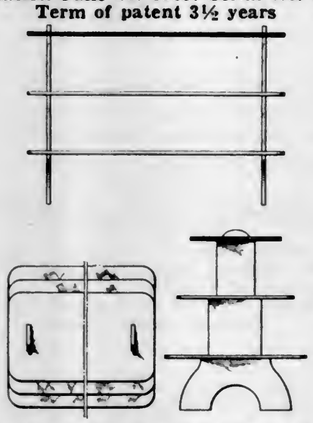
The ornamental design for a combination bathroom dresser cabinet or similar article, as shown.

117,779
DESIGN FOR A GRILLE GUARD
Gustave F. Bahr, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 21, 1939, Serial No. 83,819
Term of patent 14 years



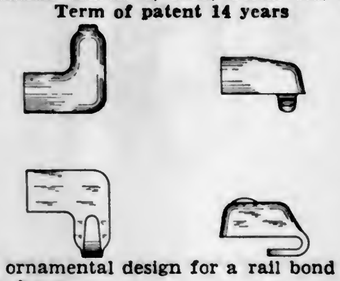
The ornamental design for a grille guard, as shown.

117,780
DESIGN FOR A DISPLAY TABLE
Josie C. Barefoot, Charlotte, N. C.
Application June 21, 1939. Serial No. 85,613
Term of patent 3½ years



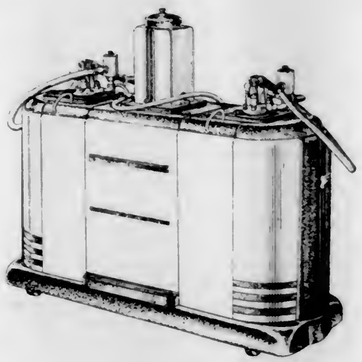
The ornamental design for a display table, as shown.

117,781
DESIGN FOR A RAIL BOND TERMINAL
Homer P. Chandler, Mansfield, Ohio
Application March 4, 1939, Serial No. 83,342
Term of patent 14 years



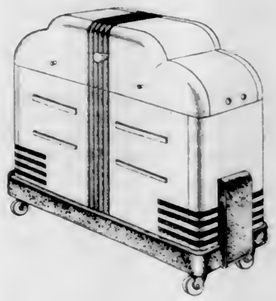
The ornamental design for a rail bond terminal, as shown.

117,782
DESIGN FOR A LUBRICANT DISPENSING APPARATUS
Arthur Fuller Dean, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 20, 1939, Serial No. 84,431
Term of patent 7 years



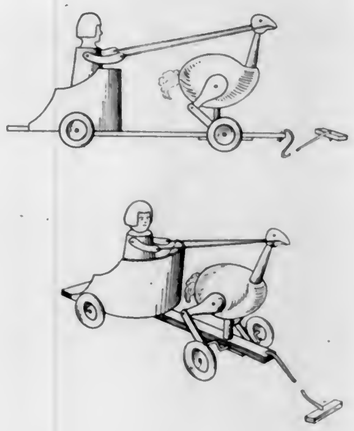
The ornamental design for a lubricant dispensing apparatus, as shown and described.

117,783
DESIGN FOR A LUBRICANT DISPENSING APPARATUS
Arthur Fuller Dean, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 20, 1939, Serial No. 84,433
Term of patent 7 years



The ornamental design for a lubricant dispensing apparatus, as shown and described.

117,784
DESIGN FOR A TOY
Grace M. H. Dubbles, Lincoln, Nebr.
Application January 30, 1939, Serial No. 82,660
Term of patent 7 years



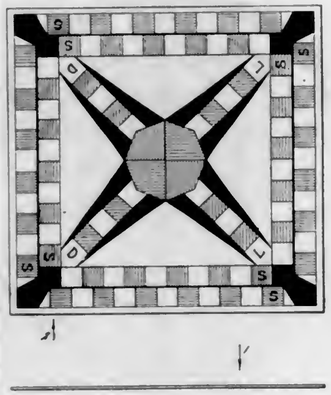
The ornamental design for a toy, as shown.

117,785
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,968
Term of patent 3½ years



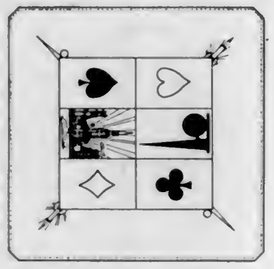
The ornamental design for a dress, substantially as shown.

117,786
DESIGN FOR A GAME BOARD
Harry N. Gorrias, Los Angeles, Calif.
Application June 5, 1939, Serial No. 85,343
Term of patent 7 years



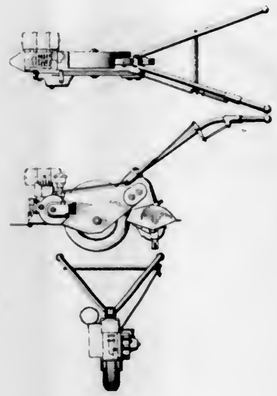
The ornamental design for a game board, as shown and described.

117,787
DESIGN FOR A GAME BOARD
Anthony Guerra, Hackensack, N. J.
Application March 27, 1939, Serial No. 83,849
Term of patent 3½ years



The ornamental design for a game board, as shown and described.

117,788
DESIGN FOR A TILLER
Cadwallader W. Kelsey, Troy, N. Y.
Application April 14, 1939, Serial No. 84,275
Term of patent 14 years



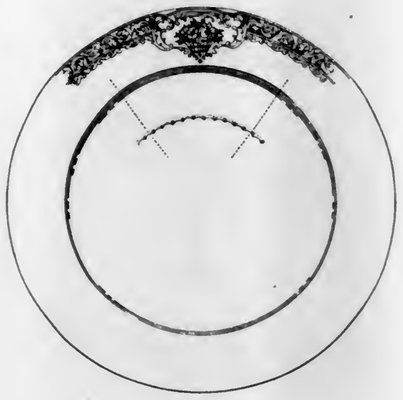
The ornamental design for a tiller, as shown.

117,789
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Philip Kranz and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.
Application October 6, 1939, Serial No. 87,547
Term of patent 14 years



The ornamental design for a Christmas tree ornament, as shown.

117,790
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,761
Term of patent 7 years



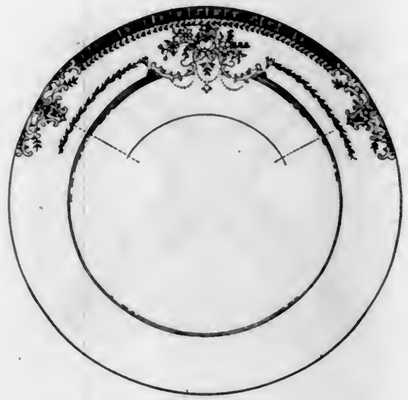
The ornamental design for a plate or similar article, as shown and described.

117,791
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,762
Term of patent 7 years



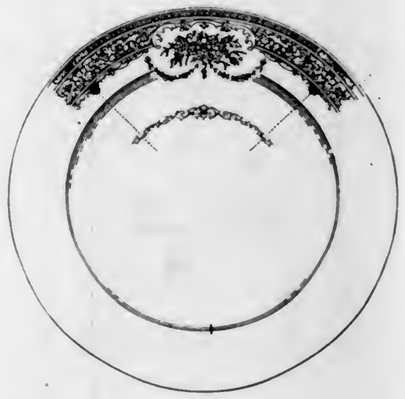
The ornamental design for a plate or similar article, as shown and described.

117,792
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,763
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

117,793
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,764
Term of patent 7 years



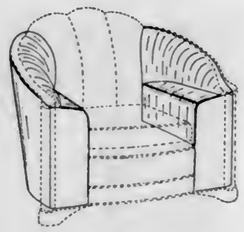
The ornamental design for a plate or similar article, as shown and described.

117,794
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,765
Term of patent 7 years



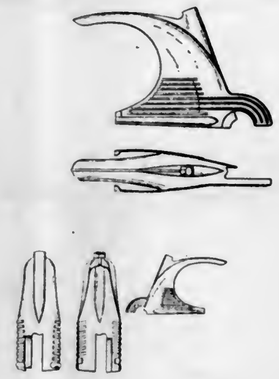
The ornamental design for a plate or similar article, as shown and described.

117,795
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
Elmer R. Luger, Anoka, Minn.
Application September 5, 1939, Serial No. 87,054
Term of patent 7 years



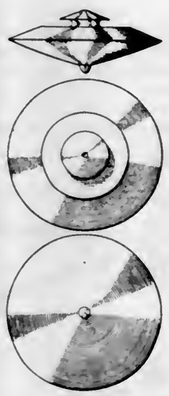
The ornamental design for a chair or similar article, as shown and described.

117,796
DESIGN FOR A COMBINED FENDER AND SKIRT AND CHAIN GUARD
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 28, 1939, Serial No. 86,917
Term of patent 7 years



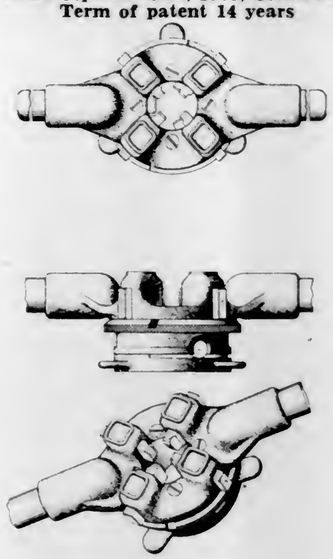
The ornamental design for a combined fender and skirt and chain guard, substantially as shown.

117,797
DESIGN FOR A TOP
Adam Niedzinski, Nutley, N. J.
Application September 13, 1939, Serial No. 87,196
Term of patent 14 years



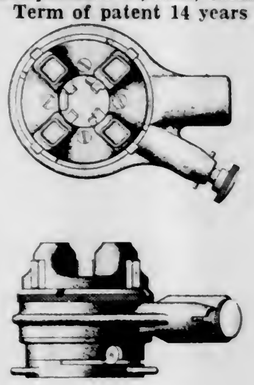
The ornamental design for a top, as shown.

117,798
DESIGN FOR A DIE STOCK
Robert B. Pealer, Parkman, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application September 11, 1939, Serial No. 87,137
Term of patent 14 years

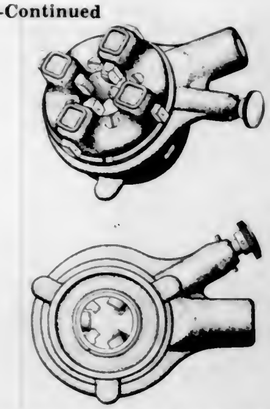


The ornamental design for a die stock, substantially as shown and described.

117,799
DESIGN FOR A DIE STOCK
Robert B. Pealer, Parkman, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application September 11, 1939, Serial No. 87,138
Term of patent 14 years



117,799—Continued



The ornamental design for a die stock, substantially as shown.

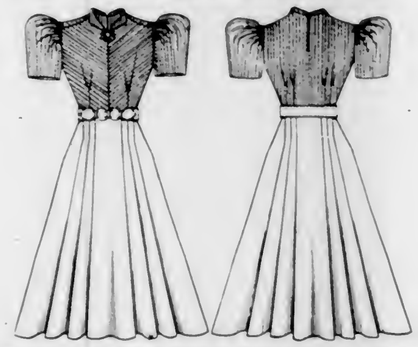
117,800
DESIGN FOR A DRAWER PULL
Maryan E. Sawicki, Franklin, N. H.
Application July 18, 1939, Serial No. 86,059
Term of patent 7 years





The ornamental design for a drawer pull, as shown.

117,801
DESIGN FOR A DRESS
Fannie Sussman, New York, N. Y.
Application November 1, 1939, Serial No. 87,976
Term of patent 3½ years



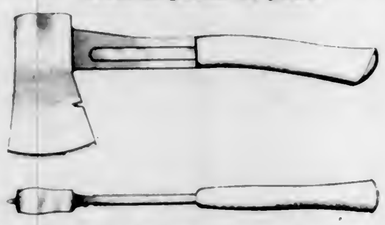
The ornamental design for a dress, substantially as shown.

117,802
DESIGN FOR A PIN CLIP
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application October 19, 1939, Serial No. 87,717
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

117,803
DESIGN FOR A HATCHET
Sanford S. Vaughan, Oak Park, Ill.
Application September 25, 1939, Serial No. 87,453
Term of patent 14 years



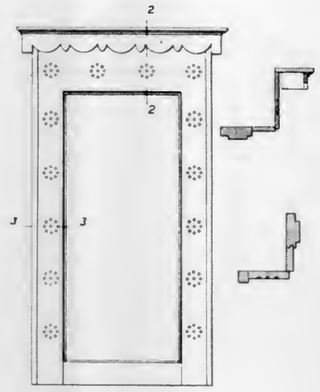
The ornamental design for a hatchet, substantially as shown.

117,804
DESIGN FOR A WALL PLAQUE
Wade H. Darby, McDowell, Va.
Application February 20, 1939, Serial No. 83,122
Term of patent 7 years



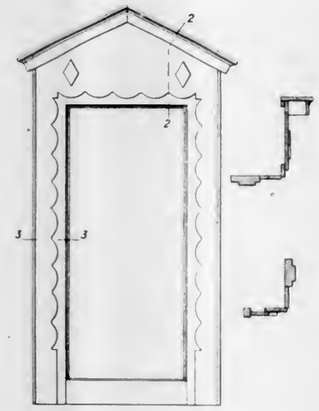
The ornamental design for a wall plaque, as shown.

117,805
DESIGN FOR A DOORFRAME
Joseph E. Druckenmiller, Ardsley, Pa., assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application October 3, 1939, Serial No. 87,485
Term of patent 3½ years



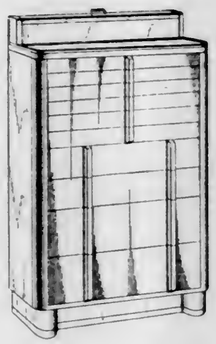
The ornamental design for a doorframe, substantially as shown.

117,806
DESIGN FOR A DOORFRAME
Joseph E. Druckenmiller, Ardsley, Pa., assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application October 3, 1939, Serial No. 87,486
Term of patent 3½ years



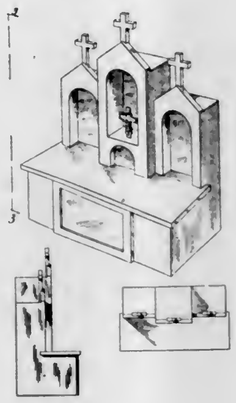
The ornamental design for a doorframe, substantially as shown.

117,807
DESIGN FOR A DENTIST'S CABINET OR THE LIKE
Harry C. Gowran, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application March 13, 1939, Serial No. 83,548
Term of patent 7 years



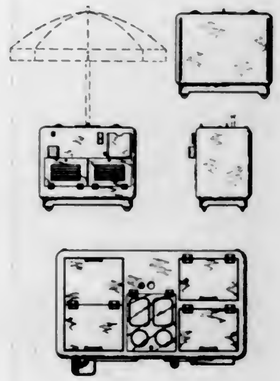
The ornamental design for a dentist's cabinet or the like, substantially as shown.

117,808
DESIGN FOR A PORTABLE ALTAR
Rudolph T. Gudell, North Chicago, Ill., assignor of one-half to George A. Feeny, Chicago, Ill.
Application September 5, 1939, Serial No. 87,052
Term of patent 3½ years



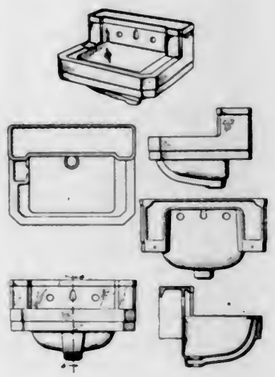
The ornamental design for a portable altar, as shown.

117,809
DESIGN FOR A COMBINED REFRESHMENT STAND AND SHADE THEREFOR
Harry J. Hater, Cincinnati, Ohio, and Louis Macloon, Culver City, Calif., assignors to Footlong, Inc., Cincinnati, Ohio, a corporation of Ohio
Application July 27, 1939, Serial No. 86,280
Term of patent 7 years



The ornamental design for a combined refreshment stand and shade therefor, as shown and described.

117,810
DESIGN FOR A LAVATORY
George W. Kohlmeyer, Buffalo, N. Y., and James Fraser, Wilmington, Del., assignors to W. A. Case & Son Manufacturing Company, Buffalo, N. Y., a corporation of New York, and Speakman Company, Wilmington, Del., a corporation of Delaware, jointly
Application August 8, 1939, Serial No. 86,536
Term of patent 14 years



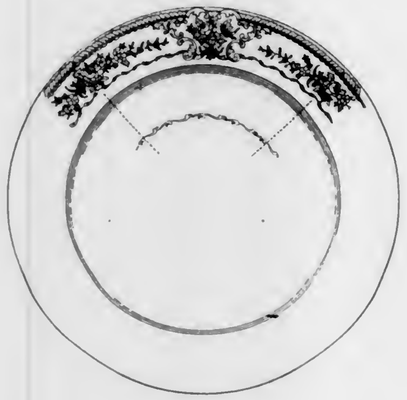
The ornamental design for a lavatory, as shown.

117,811
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,755
Term of patent 7 years



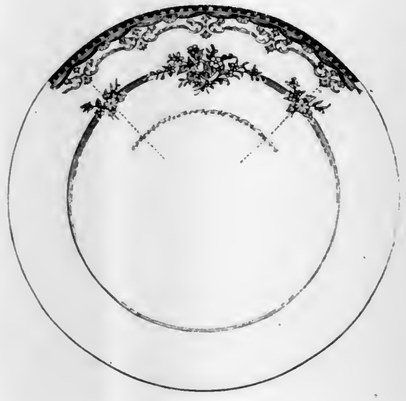
The ornamental design for a plate or similar article, as shown and described.

117,812
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,756
Term of patent 7 years



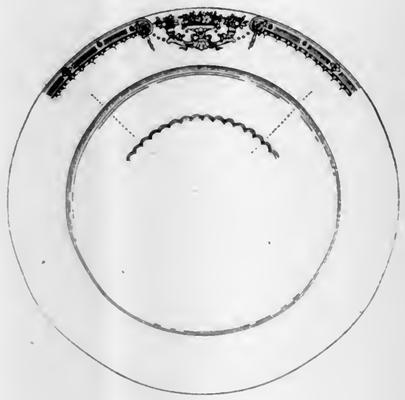
The ornamental design for a plate or similar article, as shown and described.

117,813
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,757
Term of patent 7 years



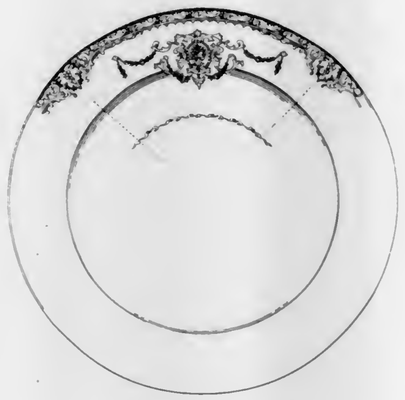
The ornamental design for a plate or similar article, as shown and described.

117,814
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,758
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

117,815
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,759
Term of patent 7 years



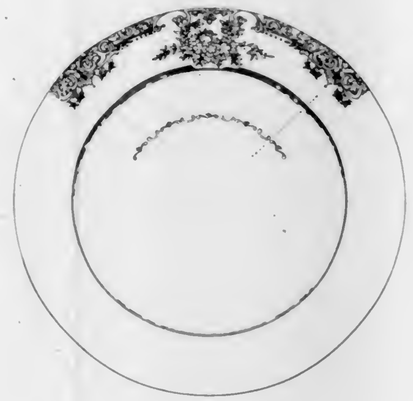
The ornamental design for a plate or similar article, as shown and described.

117,816
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,760
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

117,817
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,766
Term of patent 7 years



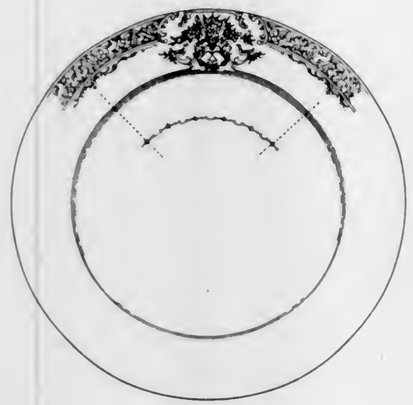
The ornamental design for a plate or similar article, as shown and described.

117,818
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,767
Term of patent 7 years



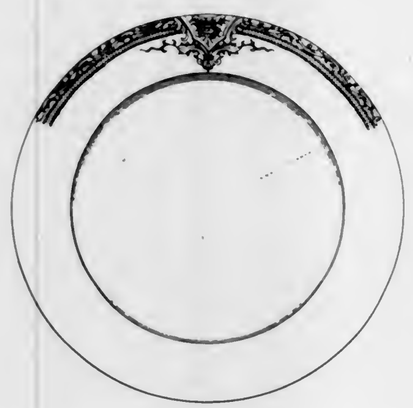
The ornamental design for a plate or similar article, as shown and described.

117,819
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,768
Term of patent 7 years



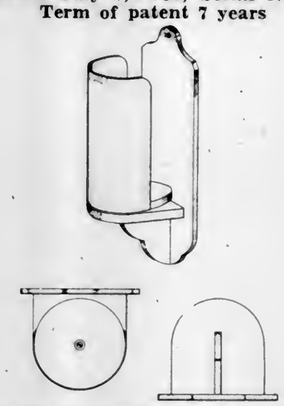
The ornamental design for a plate or similar article, as shown and described.

117,820
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application October 20, 1939, Serial No. 87,769
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

117,821
DESIGN FOR A COMBINED SUPPORTING BRACKET AND SHIELD FOR A CONDIMENT CONTAINER OR SIMILAR ARTICLE
Lauretta S. Madda, Chicago, Ill.
Application July 7, 1938, Serial No. 78,319
Term of patent 7 years



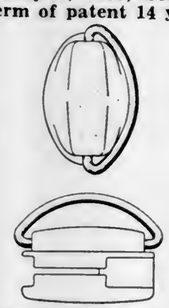
The ornamental design for a combined supporting bracket and shield for a condiment container or similar article, as shown.

117,822
DESIGN FOR A COMBINED TIE CLASP AND COMB
Tony L. Pogue, Mays Lick, Ky.
Application August 29, 1939, Serial No. 86,935
Term of patent 7 years



The ornamental design for a combined tie clasp and comb, as shown.

117,823
DESIGN FOR A COMBINED SLIDER BODY AND PULL TAB BAIL FOR SLIDE FASTENERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application July 2, 1938, Serial No. 78,255
Term of patent 14 years



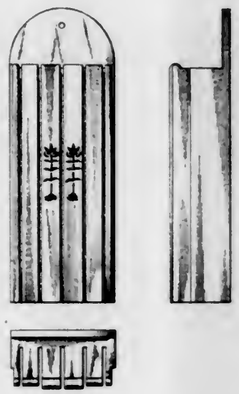
The ornamental design for a combined slider body and pull tab bail for slide fasteners, substantially as shown and described.

117,824
DESIGN FOR A BOTTOM STOP FOR SLIDE FASTENERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application August 24, 1939, Serial No. 86,859
Term of patent 14 years



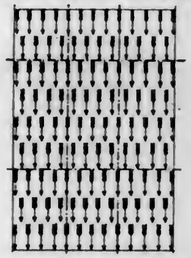
The ornamental design for a bottom stop for slide fasteners, substantially as shown.

117,825
DESIGN FOR A KNIFE HOLDER
Fred. E. Smith, Stowe, Vt.
Application August 25, 1939, Serial No. 86,897
Term of patent 7 years



The ornamental design for a knife holder, as shown.

117,826
DESIGN FOR A PLASTIC SHEET OR SIMILAR ARTICLE
Edmund H. Tyson, Essex Fells, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 4, 1938, Serial No. 79,102
Term of patent 3½ years



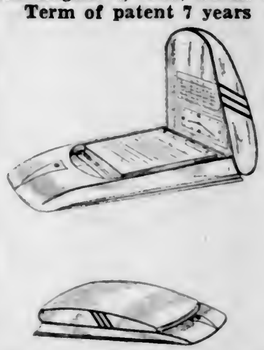
The ornamental design for a plastic sheet or similar article, substantially as shown and described.

117,827
DESIGN FOR A DESK LAMP
Gillson W. Beals, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application August 5, 1939, Serial No. 86,475
Term of patent 7 years



The ornamental design for a desk lamp, as shown and described.

117,828
DESIGN FOR A DESK UNIT
Bailey T. Bowers, Chicago, Ill.
Application August 4, 1939, Serial No. 86,464
Term of patent 7 years



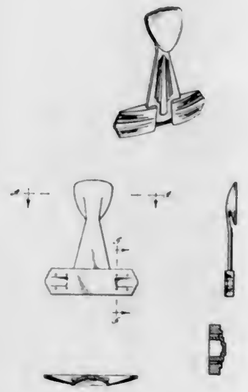
The ornamental design for a desk unit, substantially as shown.

117,829
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application October 21, 1939, Serial No. 87,782
Term of patent 3½ years



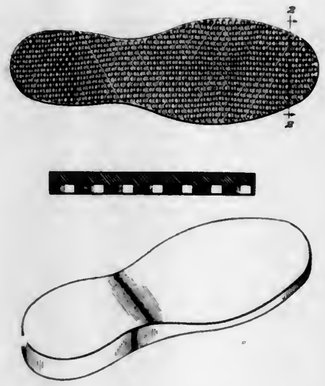
The ornamental design for an embroidered textile fabric or similar article, as shown and described.

117,830
DESIGN FOR A GARMENT FASTENER
Elmer W. Gaul, Buffalo, N. Y.
Application September 18, 1939, Serial No. 87,270
Term of patent 7 years



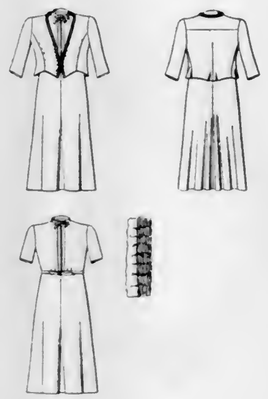
The ornamental design for a garment fastener, as shown.

117,831
DESIGN FOR A COMBINED RUBBER SOLE AND HEEL
Francis A. Johnson, Endicott, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application March 28, 1939, Serial No. 83,885
Term of patent 14 years



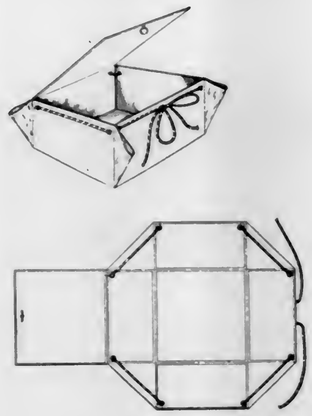
The ornamental design for a combined rubber sole and heel, substantially as shown and described.

117,832
DESIGN FOR A DRESS ENSEMBLE
Ava Jane Key, Hempstead, N. Y.
Application August 2, 1939, Serial No. 86,412
Term of patent 3½ years



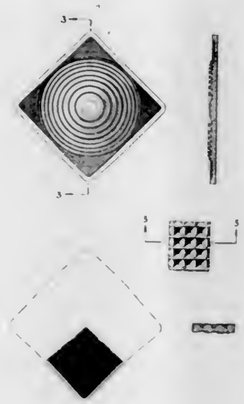
The ornamental design for a dress ensemble, as shown and described.

117,833
DESIGN FOR A FOLDING BOX
Margaret Laine, New York, N. Y.
Application August 4, 1939, Serial No. 86,470
Term of patent 3½ years



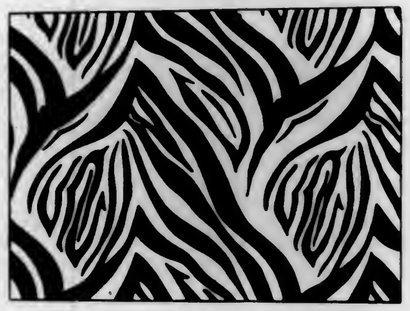
The ornamental design for a folding box, as shown.

117,834
DESIGN FOR A LIGHTING FIXTURE LENS OR THE LIKE ARTICLE
Joseph Levy, New York, N. Y., assignor to Century Lighting, Inc., a corporation of New York
Application June 25, 1938, Serial No. 78,050
Term of patent 7 years



The ornamental design for a lighting fixture lens or the like article, as shown.

117,835
DESIGN FOR A TEXTILE FABRIC
Emile Meyer, New York, N. Y.
Application October 24, 1939, Serial No. 87,835
Term of patent 3½ years



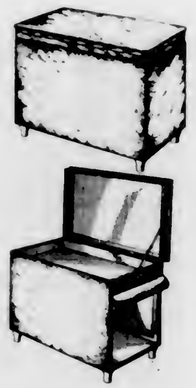
The ornamental design for a textile fabric, substantially as shown.

117,836
DESIGN FOR A CANDELABRUM
Wilbert C. Smith, Washington, Pa.
Application September 29, 1939, Serial No. 87,443
Term of patent 3½ years



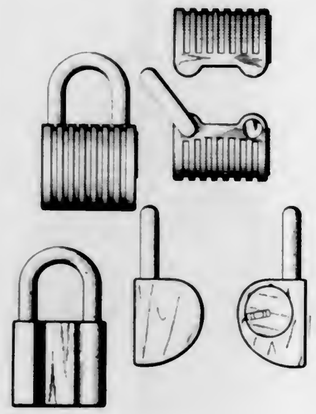
The ornamental design for a candelabrum, as shown and described.

117,837
DESIGN FOR A CYLINDER TYPE VACUUM CLEANER CABINET
Homer S. Tuttle, Weedsport, N. Y.
Application October 11, 1938, Serial No. 80,360
Term of patent 3½ years



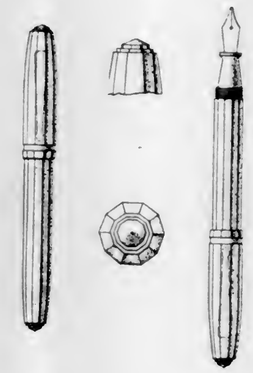
The ornamental design for a cylinder type vacuum cleaner cabinet, substantially as shown and described.

117,838
DESIGN FOR A PADLOCK
Solomon Wise, Cleveland, Ohio
Application March 7, 1939, Serial No. 83,394
Term of patent 14 years



The ornamental design for a padlock, substantially as shown.

117,839
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Henry Zoll, Elmhurst, N. Y., assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y., a corporation of New York
Application March 30, 1939, Serial No. 83,920
Term of patent 14 years



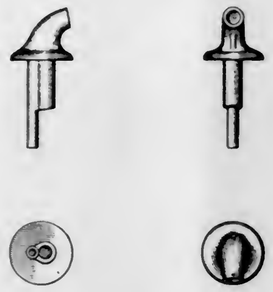
The ornamental design for a fountain pen or similar article, as shown and described.

117,840
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Marcelline Gougler, Chicago, Ill., assignor to Mayer China Company, Beaver Falls, Pa., a corporation of Pennsylvania
Application August 2, 1939, Serial No. 86,428
Term of patent 14 years



The ornamental design for a plate or similar article, substantially as shown and described.

117,841
DESIGN FOR A BOTTLE POURER
Frederick W. Hoeter, New York, N. Y., assignor to Dalynip Pourer Corporation, New York, N. Y., a corporation of New York
Application January 14, 1938, Serial No. 74,295
Term of patent 14 years



The ornamental design for a bottle pourer, substantially as shown.

117,842
DESIGN FOR A BOX
Norman W. Post, Miami, Fla.
Application August 23, 1939, Serial No. 86,854
Term of patent 7 years



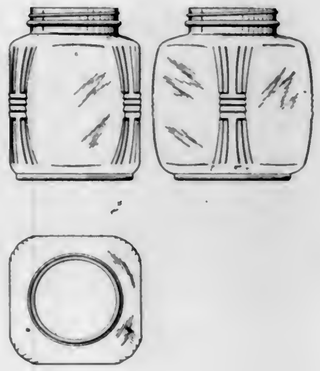
The ornamental design for a box, as shown.

117,843
DESIGN FOR A JAR
Frasier Smith, Wheeling, W. Va., assignor, by mesne assignments, to Federal Tool Corporation, Chicago, Ill.
Application January 27, 1939, Serial No. 82,641
Term of patent 3½ years



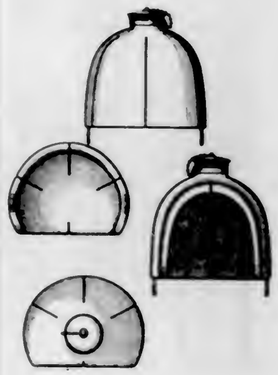
The ornamental design for a jar, as shown and described.

117,844
DESIGN FOR A JAR
George Smith, Jr., Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application June 3, 1938, Serial No. 77,556
Term of patent 14 years



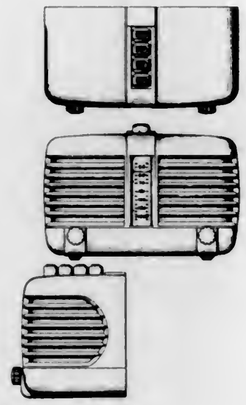
The ornamental design for a jar, as shown.

117,845
DESIGN FOR A COMBINED WATER AND ICE BAG
Raymond W. Albright, Akron, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application October 6, 1939, Serial No. 87,548
Term of patent 14 years



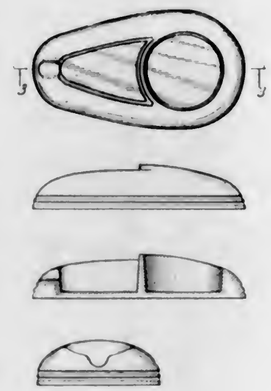
The ornamental design for a combined water and ice bag, as shown.

117,846
DESIGN FOR A RADIO CABINET
Homer G. Boyle, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application January 16, 1939, Serial No. 82,371
Term of patent 7 years



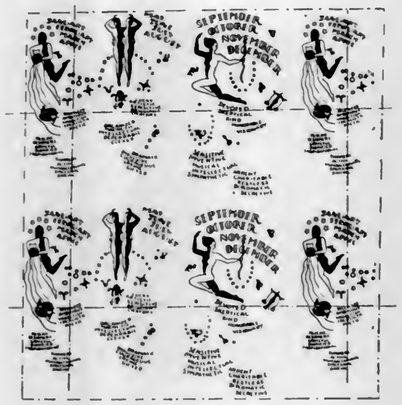
The ornamental design for a radio cabinet, substantially as shown and described.

117,847
DESIGN FOR A COMBINED ASHTRAY AND GLASS RETAINER
Irving M. Footlik, Chicago, Ill., assignor to Leo G. Pilot, Chicago, Ill.
Application April 24, 1939, Serial No. 84,516
Term of patent 14 years



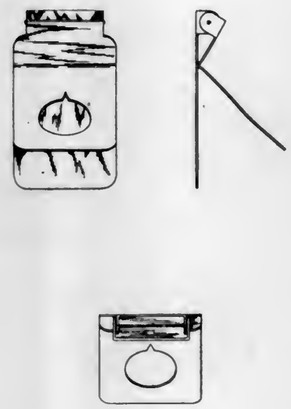
The ornamental design for a combined ashtray and glass retainer, as shown.

117,848
DESIGN FOR A TEXTILE FABRIC
Lillian Goodman, Brooklyn, N. Y., assignor to Mitchell Brothers, Inc., New York, N. Y., a corporation of New York
Application July 7, 1939, Serial No. 85,879
Term of patent 3½ years



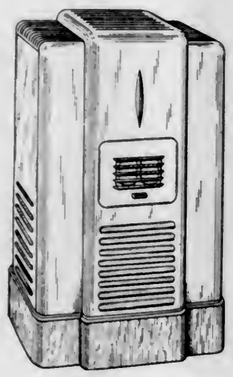
The ornamental design for a textile fabric, as shown and described.

117,849
DESIGN FOR A BROOM HOLDER OR SIMILAR ARTICLE
Bruce J. Harvey, Des Moines, Iowa
Application June 12, 1939, Serial No. 85,454
Term of patent 7 years



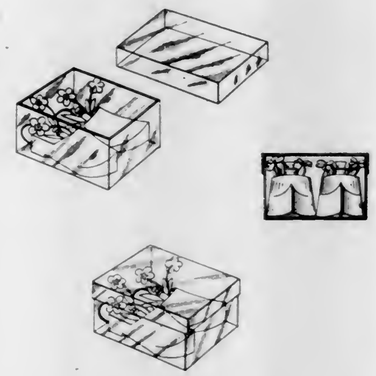
The ornamental design for a broom holder or similar article, substantially as shown.

117,850
DESIGN FOR A HEATER
Bertrand B. Kahn and James L. Tupper, Cincinnati, Ohio, assignors to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application August 17, 1938, Serial No. 79,402
Term of patent 7 years



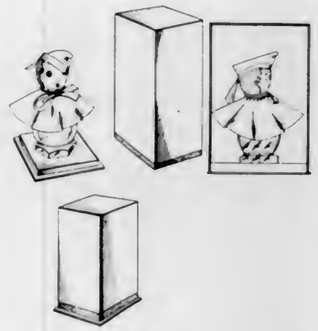
The ornamental design for a heater, substantially as shown and described.

117,851
DESIGN FOR A COMBINATION CONTAINER FOR PERFUMES
Robert B. Karoff, New York, N. Y.
Application June 4, 1938, Serial No. 77,571
Term of patent 3½ years



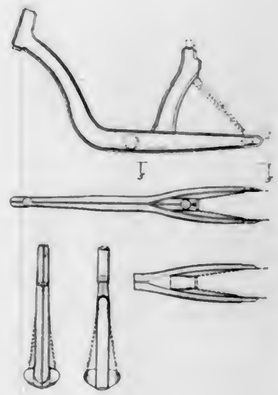
The ornamental design for a combination container for perfumes, substantially as shown.

117,852
DESIGN FOR A COMBINATION CONTAINER FOR PERFUMES
Robert B. Karoff, New York, N. Y.
Application June 4, 1938, Serial No. 77,573
Term of patent 3½ years



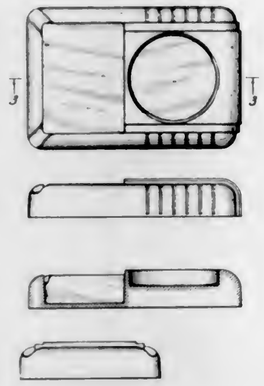
The ornamental design for a combination container for perfumes, substantially as shown.

117,853
DESIGN FOR A BICYCLE FRAME
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 18, 1939, Serial No. 87,266
Term of patent 7 years



The ornamental design for a bicycle frame, substantially as shown.

117,854
DESIGN FOR A COMBINED ASHTRAY AND GLASS RETAINER
Leo G. Pilot, Chicago, Ill.
Application April 24, 1939, Serial No. 84,517
Term of patent 14 years



The ornamental design for a combined ashtray and glass retainer, as shown.

117,855
DESIGN FOR A TEAPOT
Joseph Palin Thorley, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation of Ohio
Application March 7, 1939, Serial No. 83,404
Term of patent 7 years



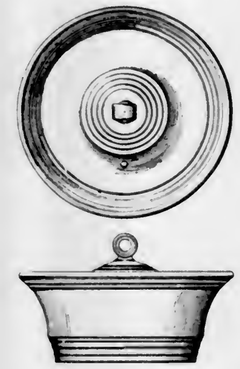
The ornamental design for a teapot, as shown.

117,856
DESIGN FOR A TEAPOT
Joseph Palin Thorley, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation of Ohio
Application March 7, 1939, Serial No. 83,406
Term of patent 7 years



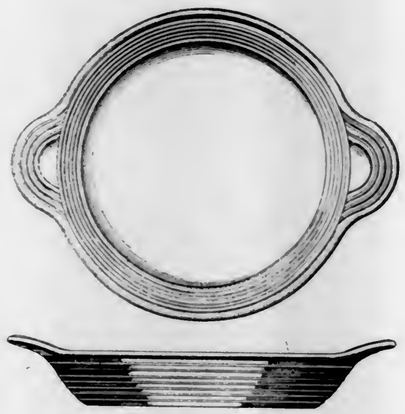
The ornamental design for a teapot, as shown.

117,857
DESIGN FOR A COVERED CASSEROLE
Joseph Palin Thorley, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation of Ohio
Application March 7, 1939, Serial No. 83,407
Term of patent 7 years



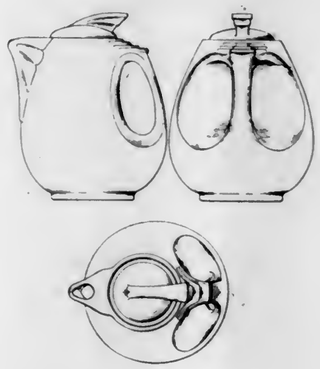
The ornamental design for a covered casserole, as shown.

117,858
DESIGN FOR A SHIRRED EGG DISH
Joseph Palin Thorley, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation of Ohio
Application March 7, 1939, Serial No. 83,408
Term of patent 7 years



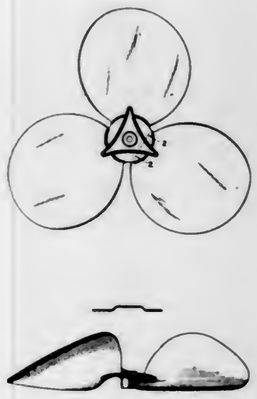
The ornamental design for a shirred egg dish, as shown.

117,859
DESIGN FOR A TEAPOT OR SIMILAR ARTICLE
Joseph Palin Thorley, East Liverpool, Ohio, assignor to The Hall China Company, East Liverpool, Ohio, a corporation of Ohio
Application September 14, 1939, Serial No. 87,232
Term of patent 7 years



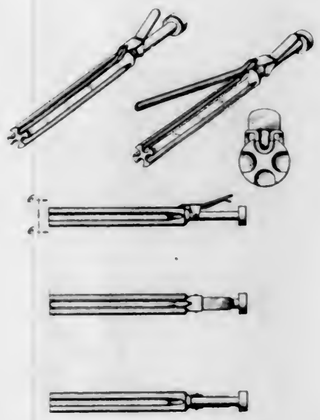
The ornamental design for a teapot or similar article, as shown.

117,860
DESIGN FOR A PROPELLER TYPE FAN
Walter L. Upson, Litchfield, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application January 20, 1939, Serial No. 82,451
Term of patent 14 years



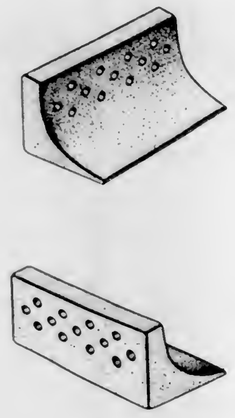
The ornamental design for a propeller type fan, substantially as shown and described.

117,861
DESIGN FOR A HAIR CURLER
Arthur W. Woodford, Chicago, Ill.
Application September 30, 1939, Serial No. 87,447
Term of patent 14 years



The ornamental design for a hair curler, as shown.

117,862
DESIGN FOR A CUSHION
Edward H. Bauer, Los Angeles, Calif.
Application September 13, 1939, Serial No. 87,191
Term of patent 7 years



The ornamental design for a cushion, as shown.

117 863
DESIGN FOR A LACE
George M. Boysen, Philadelphia, Pa.
Application November 1, 1939, Serial No. 87,979
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

117,864
DESIGN FOR A HAT
Anna Bushwick, New York, N. Y.
Application October 23, 1939, Serial No. 87,809
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

117,865
DESIGN FOR A HAT
Anna Bushwick, New York, N. Y.
Application October 23, 1939, Serial No. 87,810
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

117,866
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Fatherley, Darien, Conn.
Application November 7, 1939, Serial No. 88,115
Term of patent 3½ years



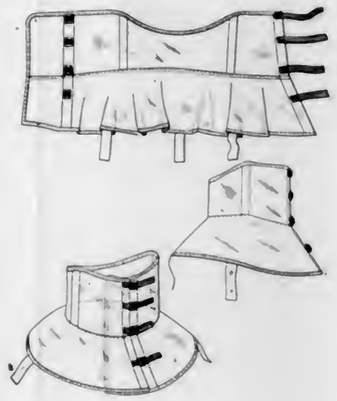
The ornamental design for a textile fabric or similar article, as shown.

117,867
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application October 4, 1939, Serial No. 87,501
Term of patent 3½ years



The ornamental design for an embroidered textile fabric or similar article, as shown.

117,868
DESIGN FOR A MAKE-UP SHIELD OR SIMILAR ARTICLE
Eileen Hicks, Indianapolis, Ind.
Application May 24, 1939, Serial No. 85,185
Term of patent 14 years



The ornamental design for a make-up shield or similar article, as shown.

117,869
DESIGN FOR A TEXTILE FABRIC
Bernard C. Marx, New York, N. Y.
Application November 3, 1939, Serial No. 88,021
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

117,870
DESIGN FOR A HAT
Lauretta Millar, Maplewood, N. J.
Application July 20, 1939, Serial No. 86,094
Term of patent 3½ years



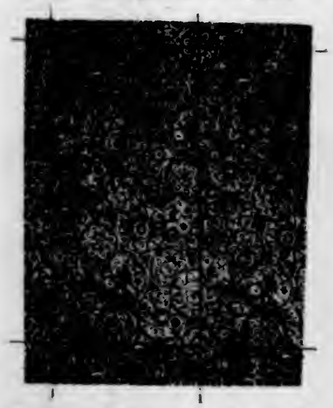
The ornamental design for a hat, as shown.

117,871
DESIGN FOR A STOCKING
William Percell, Willow Grove, Pa., assignor of one-half to Max A. Marschner, Willow Grove, Pa.
Application April 25, 1939, Serial No. 84,548
Term of patent 7 years



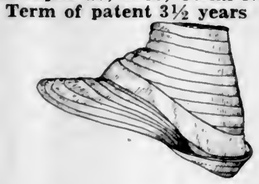
The ornamental design for a stocking, as shown, and described.

117,872
DESIGN FOR A TEXTILE FABRIC
Herbert R. Shapiro, New York, N. Y.
Application November 7, 1939, Serial No. 88,101
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

117,873
DESIGN FOR A HAT
Irwin B. Simon, San Francisco, Calif.
Application April 25, 1939, Serial No. 84,543
Term of patent 3½ years





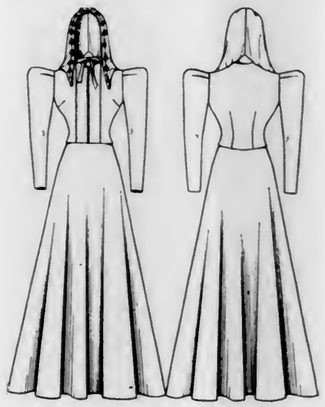
The ornamental design for a hat, as shown.

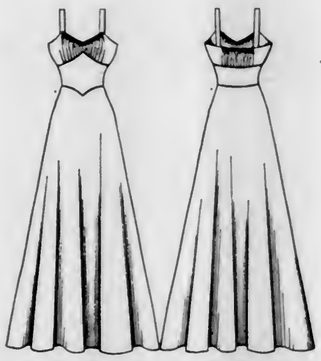
117,874
DESIGN FOR A STERILIZING TUBE REFLECTING UNIT
Donald P. Caverly, Marblehead, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application December 22, 1938, Serial No. 81,937
Term of patent 7 years



The ornamental design for a sterilizing tube reflecting unit, as shown and described.

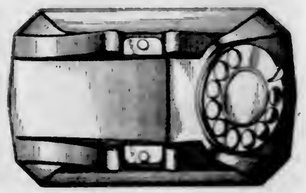
117,875
DESIGN FOR A DRESS ENSEMBLE
Alice Engel, New York, N. Y.
Application November 7, 1939, Serial No. 88,094
Term of patent 3½ years



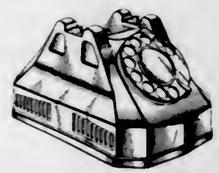


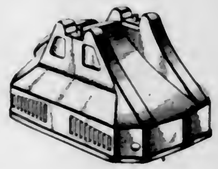
The ornamental design for a dress ensemble, substantially as shown.

117,876
DESIGN FOR A TELEPHONE DESK STAND
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application Setpember 26, 1938, Serial No. 80,082
Term of patent 14 years



117,876—Continued





The ornamental design for a telephone desk stand, as shown.

117,877
DESIGN FOR A DRESS ENSEMBLE
Fred Perlberg, New York, N. Y.
Application November 7, 1939, Serial No. 88,091
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

117,878
DESIGN FOR A TOWEL OR SIMILAR ARTICLE
Paul Reiman, New York, N. Y.
Application August 17, 1939, Serial No. 86,747
Term of patent 3½ years



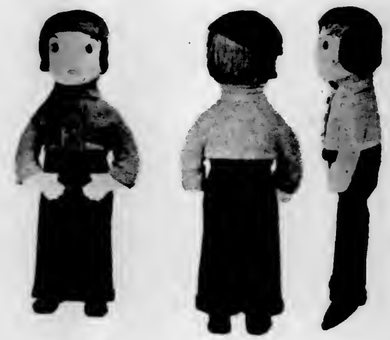
The ornamental design for a towel or similar article, as shown.

117,879
DESIGN FOR A TOWEL OR SIMILAR ARTICLE
Paul Reiman, New York, N. Y.
Application August 17, 1939, Serial No. 86,748
Term of patent 3½ years



The ornamental design for a towel or similar article, as shown.

117,880
DESIGN FOR A DOLL
Florence A. Sherman, New York, N. Y.
Application September 13, 1939, Serial No. 87,173
Term of patent 7 years



The ornamental design for a doll, as shown.

117,881
DESIGN FOR A DOLL
Florence A. Sherman, New York, N. Y.
Application September 13, 1939, Serial No. 87,174
Term of patent 7 years



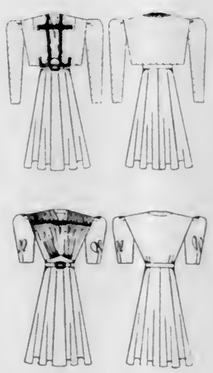
The ornamental design for a doll, as shown.

117,882
DESIGN FOR A DRESS
Helen Lentini, New York, N. Y.
Application November 3, 1939, Serial No. 88,018
Term of patent 3½ years



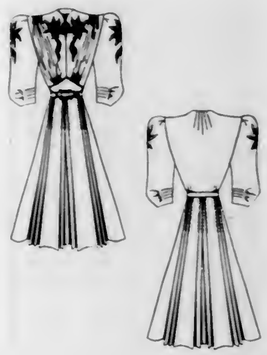
The ornamental design for a dress, substantially as shown.

117,883
DESIGN FOR A DRESS ENSEMBLE
Christine Mazola, New York, N. Y.
Application November 7, 1939, Serial No. 88,096
Term of patent 3½ years



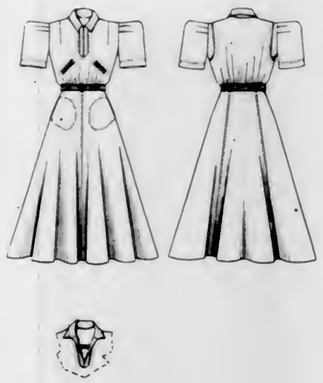
The ornamental design for a dress ensemble, substantially as shown.

117,884
DESIGN FOR A DRESS
Christine Mazola, New York, N. Y.
Application November 8, 1939, Serial No. 88,123
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,885
DESIGN FOR A GOLF DRESS
Fern E. Johnson, New York, N. Y.
Application November 7, 1939, Serial No. 88,090
Term of patent 3½ years



The ornamental design for a golf dress, substantially as shown.

117,886
DESIGN FOR A DRESS
Marjorie Stein, New York, N. Y.
Application November 7, 1939, Serial No. 88,093
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,887
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application November 6, 1939, Serial No. 88,053
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,888
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application November 6, 1939, Serial No. 88,054
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,889
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application November 6, 1939, Serial No. 88,055
Term of patent 3½ years



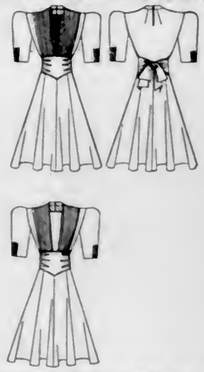
The ornamental design for a dress, substantially as shown.

117,890
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application November 6, 1939, Serial No. 88,057
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

117,891
DESIGN FOR A DRESS
Benjamin Weinstein, New York, N. Y.
Application November 7, 1939, Serial No. 88,095
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

OFFICIAL GAZETTE

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UNITED STATES PATENT OFFICE

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ERRATA

Prints—page 329, second column, No. 17,757, for published date Oct. 6, 1939, read—*Oct. 27, 1939,* O. G. Dec. 12, 1939.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. P. W. Paper Company, Inc., Albany, N. Y. Toilet paper. Serial No. 424,285; Dec. 5. Class 37.

Advance Polishing Wheels, Inc., Chicago, Ill. Buffs, buffing wheels, and polishing wheels. Serial No. 423,904; Dec. 5. Class 4.

Allegretti, Joseph J., doing business as Fresno Food Products Co., Fresno, Calif. Sandwich spread. Serial No. 423,848; Dec. 5. Class 46.

Allied Paper Bag Corporation, Baltimore, Md. Cellophane bags. Serial No. 424,286; Dec. 5. Class 2.

American Dairies, Incorporated, Kansas City, Mo. Feed. Serial No. 411,116; Dec. 5. Class 46.

American Lead Pencil Company, Hoboken, N. J. Pencils, penholders, erasers, etc. Serial No. 421,118; Dec. 5. Class 37.

American-Marsh Pumps, Inc., Battle Creek, Mich Homogenizing apparatus. Serial No. 421,061; Dec. 5. Class 23.

American Society of Tool Engineers, Inc., Detroit, Mich. Publication. Serial No. 424,189; Dec. 5. Class 38.

Andersen-Smith Milling Co., San Francisco, Calif. Feeding stuffs. Serial No. 423,965; Dec. 5. Class 46.

Armstrong Cork Company, Lancaster, Pa. Webs of cork composition for cigarette tipping purposes. Serial No. 410,627; Dec. 5. Class 50.

Asbestos Cement Pipes, Incorporated, New York, N. Y. Asbestos cement pipe. Serial No. 417,603; Dec. 5. Class 12.

Atlantic Calsomine Co., Inc., Brooklyn, N. Y. Mixed paint. Serial No. 424,615; Dec. 5. Class 16.

Barbuscia, Joseph, doing business as Palomar Olive Products Co., Fallbrook, Calif. Olive oil. Serial No. 424,191; Dec. 5. Class 46.

Ben Mont Papers, Inc., Bennington, Vt. Waxed paper, Christmas wrapping paper, shelf paper, etc. Serial No. 421,633; Dec. 5. Class 37.

Ben Mont Papers, Inc., Bennington, Vt. Waxed paper, Christmas wrapping paper, shelf papers, etc. Serial No. 421,841; Dec. 5. Class 37.

Bill Brothers Publishing Corporation, New York, N. Y. Monthly printed periodical or trade paper. Serial No. 424,290; Dec. 5. Class 38.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile upholstery fabrics. Serial No. 391,373; Dec. 5. Class 50.

Brown, Charles P., Santa Fe, N. Mex. Preparation used in the treatment of chapped hands and the like. Serial No. 424,342; Dec. 5. Class 6.

Brunet, Maurice, Jr., doing business as Cito Co., New Orleans, La. Cleaning fluid for cleaning typewriter type, typewriters and parts thereof. Serial No. 423,752; Dec. 5. Class 4.

California Container Corporation, Emeryville, Calif. Cartons and display packages and cut-out blanks for forming same. Serial No. 415,934; Dec. 5. Class 2.

Canned Cold Chemical Corporation, New York, N. Y. Two chemical powder compounds which, when combined, cause refrigeration. Serial No. 416,995; Dec. 5. Class 6.

Car-Mor Metal Company, Inc., The, Philadelphia, Pa. Babbitt metal. Serial No. 424,576; Dec. 5. Class 14.

Ciro of Bond St., Inc., New York, N. Y. Jewelry. Serial No. 421,026; Dec. 5. Class 28.

Cito Co. (See Brunet, Maurice, Jr.)

Clamp Nail Company, Chicago, Ill. Metal miter fastening cleats. Serial No. 409,640; Dec. 5. Class 13.

Cole, Harold E., doing business as W. M. Dizer & Company, Taunton, Mass. Typewriter paper. Serial No. 424,423; Dec. 5. Class 37.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Perfume, toilet water, face lotion, etc. Serial No. 424,468; Dec. 5. Class 6.

Colonna, J., doing business as Italian Kitchen Food Products, North Bergen, N. J. Cheese. Serial No. 423,553; Dec. 5. Class 46.

Conmar Products Corporation, Bayonne, N. J. Slide fasteners. Serial No. 424,224; Dec. 5. Class 13.

Continental Sales Corporation, Minneapolis, Minn. Compounds for treating materials. Serial No. 409,084; Dec. 5. Class 6.

Costello, Joseph B., doing business as Red Lite Remedy Co., Chicago, Ill. Throat lubricant. Serial No. 422,041; Dec. 5. Class 6.

Coty, Inc., New York, N. Y. Face and dusting powder, toilet water, etc. Serial No. 424,683; Dec. 5. Class 6.

Cowles Detergent Company, The, Cleveland, Ohio. Detergent compound. Serial No. 424,217; Dec. 5. Class 4.

Crutcher, Carlile, Louisville, Ky. Column appearing in newspapers. Serial No. 424,121; Dec. 5. Class 38.

Cummins Distilleries Corporation, Louisville and Athertonville, Ky. Whiskies. Serial No. 424,032; Dec. 5. Class 49.

Cummins Distilleries Corporation, Louisville and Athertonville, Ky. Whiskies. Serial No. 424,034; Dec. 5. Class 49.

Curry Laboratory, Camden, N. J. Medicine. Serial No. 423,801; Dec. 5. Class 6.

Daily Coffee Service Inc., Cleveland, Ohio. Coffee. Serial No. 423,626; Dec. 5. Class 46.

Daints. (See Dye, Mabel M.)

Daisy Manufacturing Company, Plymouth, Mich. Target game. Serial No. 423,910; Dec. 5. Class 22.

Daniels, Claude H., East Portchester, Greenwich, Conn. Hosiery. Serial No. 423,755; Dec. 5. Class 39.

Deutsche Gold- und Silber-Scheideanstalt Vormals Roessler, Frankfort-on-the-Main, Germany. Preheaters. Serial No. 422,091; Dec. 5. Class 21.

Diamond Corebit & Tool Co., Inc., New York, N. Y. Diamond drilling core bits and core crowns and diamond dressing tools, and parts thereof. Serial No. 422,774; Dec. 5. Class 23.

Dictaphone Corporation, Bridgeport, Conn. Sound recorders forming parts of commercial phonographs. Serial No. 424,260; Dec. 5. Class 36.

Dictograph Products Company, Inc., New York, N. Y. Hearing aid devices and parts thereof. Serial No. 415,501; Dec. 5. Class 44.

Dizer, W. M., & Company. (See Cole, Harold E.)

Dorman Farms Co., Holtville, Calif. Fresh vegetables and melons. Serial No. 416,181; Dec. 5. Class 46.

Dye, Mabel M., doing business as Daints, Detroit, Mich. Tampon type of catamenial bandage. Serial No. 422,989; Dec. 5. Class 44.

Eastman Kodak Company, Rochester, N. Y. Photographic cameras. Serial No. 424,541; Dec. 5. Class 26.

Eckels, Parl O., doing business as Tasty Food Products, Cleveland, Ohio. Confections. Serial No. 422,853; Dec. 5. Class 46.

Edelstein, Gus, Bro. & Co., New York, N. Y. Hosiery. Serial No. 424,262; Dec. 5. Class 39.

Elmco Corporation, The, Salt Lake City, Utah. Motor tractors and parts thereof. Serial No. 424,348; Dec. 5. Class 23.

Electric Controller & Mfg. Co., The, Cleveland, Ohio. Electric timing controllers. Serial No. 417,447; Dec. 5. Class 21.

Enrich Products Co., Inc., New York, N. Y. Vitamin and mineral capsule. Serial No. 424,198; Dec. 5. Class 6.

Escondido Orange Association, Escondido, Calif. Fresh citrus fruits. Serial No. 424,871; Dec. 5. Class 46.

Evening News Publishing Company, The, Dayton, Ohio. Tabloid picture supplement. Serial No. 422,242; Dec. 5. Class 38.

Fashionel-Drexel & Company, doing business as Fashionel, Baltimore, Md. Perfumes, bath oil, lotions, etc. Serial No. 418,549; Dec. 5. Class 6.

Fear, Fred, & Co., Brooklyn, N. Y. Coloring for foods and Easter eggs. Serial No. 423,528; Dec. 5. Class 6.

Files, Clark J., doing business as Oh-My Chocolate Co., Toledo, Ohio. Chocolate milk and syrup therefor. Serial No. 421,426; Dec. 5. Class 46.

Fremont Canning Company, doing business as Gerber Products Company, Fremont, Mich. Canned vegetables, fruits, soups, etc. Serial No. 411,122; Dec. 5. Class 46.

Fresno Food Products Co. (See Allegretti, Joseph J.)

Fulcom Laboratories, Inc., New York, N. Y. Preparation used in the treatment of vitamin B deficiency conditions. Serial No. 423,880; Dec. 5. Class 6.

Galter, Jack, Chicago, Ill. Internal combustion motors. Serial No. 424,267; Dec. 5. Class 23.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. Serial No. 424,516; Dec. 5. Class 6.

General Pharmacal Company, Inc., The, Louisville, Ky. Foot lotion. Serial No. 423,806; Dec. 5. Class 6.

Gerber Products Company. (See Fremont Canning Company.)

Ghose, Satish C., doing business as Special Purpose Perfume Company, Chicago, Ill. Perfume. Serial No. 422,245; Dec. 5. Class 6.

Goodrich, B. F., Company, The, New York, N. Y. Pneumatic tires. Serial No. 415,454; Dec. 5. Class 35.

Gulf Breeze Company, Incorporated, Dallas, Tex. Air conditioning gas heaters. Serial No. 423,700; Dec. 5. Class 34.

Hall, J. C., Company, Providence, R. I. Check books, safety paper checks, and negotiable instruments. Serial No. 424,353; Dec. 5. Class 37.

Hamilton Autographic Register Co., The, Hamilton, Ohio. Manifolding paper. Serial No. 421,609; Dec. 5. Class 37.

Hanover Food Products Company, Baltimore, Md. Vegetable shortening. Serial No. 423,646; Dec. 5. Class 46.

Hanover Food Products Company, Baltimore, Md. Vegetable shortening and oleomargarine. Serial No. 423,647; Dec. 5. Class 46.

Hanover Food Products Company, Baltimore, Md. Vegetable shortening and oleomargarine. Serial No. 423,650; Dec. 5. Class 46.
Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. Serial No. 424,005; Dec. 5. Class 39.
Haskell, Charles C., & Co., Inc., Richmond, Va. Antispasmodic-sedative pharmaceutical preparation. Serial No. 423,948; Dec. 5. Class 6.
Hathorne, Berkeley L., New York, N. Y. Yarns. Serial No. 424,232; Dec. 5. Class 43.
Hearst Publications, Incorporated, San Francisco, Calif. Title for a column of fashion news and comment. Serial No. 423,720; Dec. 5. Class 38.
Hudson, J. L., Company, The, Detroit, Mich. Men's overcoats. Serial No. 423,951; Dec. 5. Class 39.
Hungerford, Alvyn A., Raleigh, N. C. Beverages and syrups used in making the same. Serial No. 420,413; Dec. 5. Class 45.
Hutchinson, A. W., Goulds, Fla. Fresh vegetables. Serial No. 423,061; Dec. 5. Class 46.
Ingrassia & La Scala, Middletown, N. Y. Fresh celery, lettuce, and onions. Serial No. 422,629; Dec. 5. Class 46.
International Business Machines Corporation. (See Radio Industries Corporation, assignor.)
Interstate Bakeries Corporation. (See Schulze Baking Company, assignor.)
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 424,307; Dec. 5. Class 39.
Italian Kitchen Food Products. (See Colonna, J.)
Jefferson Island Salt Company, Louisville, Ky. Salt. Serial No. 410,433; Dec. 5. Class 46.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Clothing. Serial No. 424,200; Dec. 5. Class 39.
Kay Violet F., doing business as Charles S. Kay Mfg. Chemists, Detroit, Mich. Sedative. Serial No. 424,398; Dec. 5. Class 6.
Kellogg, E. H., & Company. (See Sanxay, Edward H. K.)
Kennecott Wire and Cable Company, Phillipsdale, R. I. Wires, cables, and cordage. Serial No. 410,328; Dec. 5. Class 21.
Kessler, Max H., Co., Atlanta, Ga. Infants' and children's underwear, and infants' wraps. Serial No. 424,358; Dec. 5. Class 39.
Klein & Goodman, Philadelphia, Pa. Magazine. Serial No. 424,359; Dec. 5. Class 38.
Knowles & Fleming, New Orleans, La. Green coffee. Serial No. 424,520; Dec. 5. Class 46.
L. & S. Hog Tonic Co., Midville, Ga. Tonic and worming preparation. Serial No. 424,853; Dec. 5. Class 6.
Lanco Products Company, Brooklyn, N. Y. Floor wax. Serial No. 421,221; Dec. 5. Class 16.
Lang & Rodkey, Warren, Ohio. Liquid gas fuel. Serial No. 421,661; Dec. 5. Class 6.
Larsen Company, The, Green Bay, Wis. Canned vegetables and potatoes. Serial No. 423,424; Dec. 5. Class 46.
Lico, Joseph Antonio, and Elmer Richard Lico, Pajaro, Watsonville, Calif. Beverages and syrups and extracts for making the same. Serial No. 421,706; Dec. 5. Class 45.
Lipschultz Bros., St. Paul, Minn. Pastry rolling pin jacket and pastry cloth, sold as a unit. Serial No. 420,536; Dec. 5. Class 50.
Liquor Distributors of America, Inc., Newark, N. J. Port wine. Serial No. 420,329; Dec. 5. Class 47.
Louisville Textiles, Incorporated, Louisville, Ky. Cloth upholstery, drapery, and decorative ribbed flat fabrics, etc. Serial No. 420,137; Dec. 5. Class 42.
MacMillan & Cameron Co., Wilmington, N. C. Motor oil. Serial No. 424,237; Dec. 5. Class 15.
Macpherson, H. C., doing business as Macpherson & Company, San Francisco, Calif. Whiskey. Serial No. 423,919; Dec. 5. Class 49.
Marbon Corporation, Gary, Ind. Rubber derivative for bonding rubber to metals. Serial No. 424,239; Dec. 5. Class 5.
McMahon, J. R., doing business as McMahon Company, Rapid City, S. Dak. Stock feeds. Serial No. 421,385; Dec. 5. Class 46.
Meyer, Fred, Inc., Portland, Oreg. Condiments. Serial No. 418,554; Dec. 5. Class 46.
Michigan Alkali Company, Wyandotte, Mich. Alkaline product for de-sulphurizing ferrous metal. Serial No. 423,003; Dec. 5. Class 6.
National Institute of Nutrition, Los Angeles, Calif., and Buffalo, N. Y. Calcium tablets containing vitamin D. Serial No. 424,625; Dec. 5. Class 6.
National Institute of Nutrition, Los Angeles, Calif., and Buffalo, N. Y. Yeast tablets containing vitamin D. Serial No. 424,626; Dec. 5. Class 6.
New England Maple Syrup Co., The, Chelsea, Mass. Pure maple sap syrup. Serial No. 423,142; Dec. 5. Class 46.
North American Rayon Corporation, New York, N. Y. Thread and yarn. Serial No. 419,433; Dec. 5. Class 43.
Nyal Company, Detroit, Mich. Hot water bottles, fountain syringes, and combination fountain syringes and hot water bottles. Serial No. 424,362; Dec. 5. Class 44.
Nyal Company, Detroit, Mich. Medicinal preparation. Serial No. 424,363; Dec. 5. Class 6.
Nyal Company, Detroit, Mich. Perfume. Serial Nos. 424,819–20; Dec. 5. Class 6.
Oh-My Chocolate Co. (See Files, Clark J.)
Orlandella, Anthony, doing business as A. Orlandella, Boston, Mass., and Lodi, Calif. Fresh fruits. Serial No. 424,406; Dec. 5. Class 46.
Oxford Filing Supply Co., Brooklyn, N. Y. Cards, folders, and sheets. Serial No. 424,178; Dec. 5. Class 37.
Palomar Olive Products Co. (See Barbuscia, Joseph.)
Parfums Charbert, Inc., New York, N. Y. Lipsticks. Serial No. 424,015; Dec. 5. Class 6.
Parke, Davis & Company, Detroit, Mich. Series of vials of narcotic, vitamin and hormone preparations. Serial No. 420,686; Dec. 5. Class 6.
Peerless Undergarment Co., New York, N. Y. Ladies' underwear. Serial No. 424,365; Dec. 5. Class 39.
Pelican Products Company, New York, N. Y. Shoe polish. Serial No. 415,609; Dec. 5. Class 4.
Pep Boys—Manny, Moe & Jack, The, Philadelphia, Pa. Pneumatic rubber tires, tire casings, and tubes. Serial No. 415,738; Dec. 5. Class 35.
Pet Milk Company, St. Louis, Mo. Powdered skim milk. Serial No. 423,775; Dec. 5. Class 46.
Philadelphia Quartz Company, Philadelphia, Pa. Cleansing material. Serial No. 424,553; Dec. 5. Class 4.
Princeton Silk Corp., New York, N. Y. Piece goods. Serial No. 421,861; Dec. 5. Class 42.
Proco Mfg. Co., San Francisco, Calif. Paper toilet seat covers and paper dispensers for same. Serial No. 424,368; Dec. 5. Class 37.
Products Development Co., Inc., The, La Crosse, Wis. Foot liniment. Serial No. 424,494; Dec. 5. Class 6.
RCA Manufacturing Company, Inc., Camden and Harrison, N. J. Television apparatus. Serial Nos. 424,495–6; Dec. 5. Class 21.
Radio Industries Corporation, assignor to International Business Machines Corporation, New York, N. Y. Electrical selecting and synchronizing apparatus. Serial No. 339,739; Dec. 5. Class 21.
Red Lite Remedy Co. (See Costello, Joseph B.)
Remington Rand Inc., Buffalo, N. Y. Electric dry shavers and parts thereof, and typewriting machines and parts thereof. Serial No. 420,599; Dec. 5. Class 23.
Reymer & Brothers, Inc., Pittsburgh, Pa. Candy. Serial No. 424,441; Dec. 5. Class 46.
Ritzi Packing Co. (See Sattinger, M. J.)
Rocky Mount Cord Company, Incorporated, Rocky Mount, N. C. Braided cords. Serial No. 424,823; Dec. 5. Class 7.
Roto-Shaver Incorporated, The, New York, N. Y. Electric shavers. Serial No. 424,442; Dec. 5. Class 23.
Royal Lace Paper Works, Brooklyn, N. Y. Shelf and wrapping paper. Serial No. 423,926; Dec. 5. Class 37.
Runix Manufacturing Co. (See Willard, Ralph S.)
Sagner, A., & Sons, Inc., Baltimore, Md. Suits. Serial No. 423,509; Dec. 5. Class 39.
Sanxay, Edward H. K., doing business as E. H. Kellogg & Company, New York, N. Y. Lubricating oils. Serial No. 424,244; Dec. 5. Class 15.
Sattinger, M. J., doing business as Ritzi Packing Co., Los Angeles, Calif. Canned dog and cat food. Serial No. 424,411; Dec. 5. Class 46.
Schor, Joseph, doing business as Schor Manufacturers, San Francisco, Calif. Fishing tackle. Serial No. 406,997; Dec. 5. Class 22.
Schulze Baking Company, Kansas City, Mo.; Chicago, Peoria, and Springfield, Ill.; Cincinnati, Ohio; Omaha, Nebr.; Grand Rapids, Mich.; and Des Moines, Iowa, assignor to Interstate Bakeries Corporation, Kansas City, Mo. Bakery sweet goods. Serial No. 397,727; Dec. 5. Class 46.
Seaboard Seed Company, Philadelphia, Pa. Grass and clover seed. Serial No. 423,929; Dec. 5. Class 1.
Seamless Rubber Company, Inc., The, New Haven, Conn. Adhesive tape. Serial No. 424,180; Dec. 5. Class 44.
Sears, Roebuck and Co., Chicago, Ill. Sensitized paper. Serial No. 410,410; Dec. 5. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Garden tractors. Serial No. 414,896; Dec. 5. Class 23.
Serialgram Company, Sidney, Mont. Printed paper folders. Serial No. 422,566; Dec. 5. Class 38.
Siegel, D., Co., New York, N. Y. Suits, top coats, overcoats, etc. Serial No. 424,323; Dec. 5. Class 39.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Emulsifiable wax compositions and wax emulsions. Serial No. 423,865; Dec. 5. Class 6.
Solvay Process Company, The, New York, N. Y. Caustic soda. Serial No. 424,183; Dec. 5. Class 6.
Sorino, Gabrielle, New York, N. Y. Talcum powder, talc, body talc, etc. Serial No. 423,443; Dec. 5. Class 6.
South Pacific Canning Company, Long Beach, Calif. Canned cat food. Serial No. 424,413; Dec. 5. Class 46.
Special Purpose Perfume Company. (See Ghose, Satish C.)
Squibb, E. R., & Sons, New York, N. Y. Estrogenic preparations. Serial No. 425,067; Dec. 5. Class 6.
Standard Toykraft Products, Inc., Brooklyn, N. Y. Crayons. Serial No. 423,987; Dec. 5. Class 37.
Stein, Joseph, Coats, Inc., New York, N. Y. Ladies' and misses' coats, suits. Serial No. 414,278; Dec. 5. Class 39.
Stinson School of Aviation Inc., Long Island City, N. Y. School newspaper. Serial No. 413,600; Dec. 5. Class 38.

Stinson School of Aviation Inc., Long Island City, N. Y. Section of a school newspaper. Serial No. 413,601; Dec. 5. Class 38.
Suhler Waffenwerk, Gebrüder Merkel, Suhl/Thuringia, Germany. Shot guns and rifles. Serial No. 418,379; Dec. 5. Class 9.
Suppiger, G. S., Company, The, St. Louis, Mo. Canned pumpkin. Serial No. 424,503; Dec. 5. Class 46.
Swift and Company, Chicago, Ill. Glue. Serial No. 424,372; Dec. 5. Class 5.
Taco Products, Inc., New York, N. Y. Face creams and preparations for the treatment of the skin. Serial No. 424,789; Dec. 5. Class 6.
Tasty Food Products. (See Eckels, Parl O.)
Tennessee Copper Company, Copperhill, Tenn. Copper fungicide. Serial No. 421,212; Dec. 5. Class 6.
Texas Company, The, New York, N. Y. Lubricating greases. Serial No. 424,317; Dec. 5. Class 15.
Thebest Mills Co., New York, N. Y. Jackets, blouses, sweaters, etc. Serial No. 423,012; Dec. 5. Class 39.
Tribuno, M. P., New York, N. Y. Vermouth. Serial No. 423,577; Dec. 5. Class 47.
Twin City Wholesale Grocer Co., St. Paul, Minn. Vegetable shortening. Serial No. 419,170; Dec. 5. Class 46.
Universal Microphone Co., Ltd., Inglewood, Calif. Microphones, vacuum tube amplifiers. Serial No. 421,681; Dec. 5. Class 21.
Vander Clute, William W., Elizabeth, N. J. Board games. Serial No. 424,301; Dec. 5. Class 22.
Vibramotor Co., The, Los Angeles, Calif. Human body vibrating machines. Serial No. 419,986; Dec. 5. Class 44.
Vine, Benjamin, Haddonfield, N. J. Dish cloths, cloth pot holders, scrub cloths, etc. Serial No. 423,687; Dec. 5. Class 42.
Viscol Company, The, Stamford, Conn. Treated leather. Serial No. 424,248; Dec. 5. Class 1.
Viscol Company, The, Stamford, Conn. Soap for cleaning and polishing leather and fibrous materials. Serial No. 424,506; Dec. 5. Class 4.
Wakem and Whipple, Inc., Chicago, Ill. Whisky. Serial No. 424,319; Dec. 5. Class 49.
Ward-Stilson Company, The, Anderson, Ind. Hosiery. Serial No. 424,071; Dec. 5. Class 39.
Washington Mills Company, Mayodan and Winston-Salem, N. C., and Fries, Va. Woven cotton sheeting. Serial No. 423,188; Dec. 5. Class 42.
Wegner Canning Co., Inc., Sodus, N. Y. Canned fruits and vegetables. Serial No. 422,188; Dec. 5. Class 46.
White Laboratories, Inc., Newark, N. J. Cod liver oil. Serial No. 423,190; Dec. 5. Class 6.
Whitehall Equipment Co., Inc., New York, N. Y. Draft regulating dampers, boiler auxiliary water sections, etc. Serial No. 418,909; Dec. 5. Class 34.
Wickstrom-Bahr, Inc., Sioux Falls, S. Dak. Permanent waving pads. Serial No. 424,378; Dec. 5. Class 44.
Wilcox-Gay Corporation, The, Charlotte, Mich. Apparatus used in radio and television receivers and recording and playback machines and equipment and combinations of same. Serial No. 423,283; Dec. 5. Class 21.
Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. Serial No. 417,830; Dec. 5. Class 15.
Willard, Ralph S., doing business as Runix Manufacturing Co., Los Angeles, Calif. Run-resisting compound. Serial No. 424,747; Dec. 5. Class 6.
Winthrop Chemical Company, Inc., New York, N. Y. Combination of dicalcium phosphate, calcium gluconate, and vitamin D. Serial No. 424,508; Dec. 5. Class 6.
Zaninovich, Marko, doing business as M. Zaninovich, Delano and Earlimart, Calif. Fresh grapes. Serial No. 422,610; Dec. 5. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Paper Company, Inc., Albany, N. Y. Paper toilet seat covers. 373,397; Dec. 5; Serial No. 422,115; published Sept. 26, 1939. Class 37.
Abraham & Straus, Inc., Brooklyn, N. Y. Clothing for men, boys, and children. 373,436–7; Dec. 5. Class 39.
Air Maze Corporation, Cleveland, Ohio. Air filtering panels. 373,325; Dec. 5; Serial No. 420,354; published Sept. 26, 1939. Class 34.
Air-Track Manufacturing Corporation, Detroit, Mich. Earth inductor compass and parts thereof. 373,362; Dec. 5; Serial No. 421,410; published Sept. 26, 1939. Class 26.
Albertson & Company, Inc., Sioux City, Iowa. Abrasive disks. 373,421; Dec. 5. Class 4.
Aldrich, Dorris J., Los Angeles, Calif. Body contouring and reducing machines, steam bath cabinets, etc. 373,410; Dec. 5; Serial No. 422,769; published Sept. 26, 1939. Class 44.
Allen A Company, The, Bennington, Vt. Men's and boys' jackets. 373,317; Dec. 5; Serial No. 419,830; published Sept. 26, 1939. Class 39.
American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Lead-pencils, crayon-chalk, crayons, etc. 129,578; renewed Mar. 9, 1940.
American Lead Pencil Company, Hoboken, N. J. Pencils, pens, erasers, etc. 373,311; Dec. 5; Serial No. 419,249; published July 4, 1939. Class 37.
American Sales Book Company, Inc., Niagara Falls and Elmira, N. Y. Machines for feeding paper and attachments and parts. 373,412; Dec. 5. Class 23.
American Writing Paper Company, assignor, by mesne assignments, to American Writing Paper Corporation, Holyoke, Mass. Printing and writing paper. 128,286; renewed Jan. 6, 1940.
Arbuckle Brothers, New York, N. Y., and Chicago, Ill., assignor to General Foods Corporation, New York, N. Y. Coffee, tea, spices, etc. 127,313; renewed Nov. 11, 1939.
Arden, Elizabeth, Inc., New York, N. Y. Nail polishes and lip rouge. 373,416; Dec. 5. Class 6.
Art-Mor Togs, Inc., New York, N. Y. Bathing suits and articles of beachwear. 373,279; Dec. 5; Serial No. 387,100; published Apr. 4, 1939. Class 39.
Atkins, Kroll & Co., San Francisco, Calif. Canned fruits and dried fruits. 373,280; Dec. 5; Serial No. 399,492; published Aug. 23, 1938. Class 46.
Atlantic Coast Fisheries Corporation of New York, New York, N. Y. Fresh and frozen fillets. 373,350; Dec. 5; Serial No. 421,120; published Sept. 5, 1939. Class 46.
Baker, William T., Inc., Jersey City, N. J., now, by change of name to Baker Paint & Varnish Co., Inc. Oil wall-paints. 127,712; renewed Dec. 2, 1939.
Barmon Brothers Company Inc., Buffalo, N. Y. Frocks. 373,297; Dec. 5; Serial No. 415,933; published May 2, 1939. Class 39.
Barrett, William L., Company, Bristol, Conn. Thermostatically operated automatic electric temperature alarms. 373,324; Dec. 5; Serial No. 420,308; published Sept. 26, 1939. Class 21.
Beech-Nut Packing Company, Canajoharie, N. Y. Biscuits. 373,372; Dec. 5; Serial No. 421,838; published Sept. 26, 1939. Class 46.
Bein, Erwin C., doing business as The Fur Institute of America, Baltimore, Md. Fur wraps, coats, chokes, etc. 373,448; Dec. 5. Class 39.
Belding Heminway Company, New York, N. Y. Piece goods. 373,366; Dec. 5; Serial No. 421,560; published Sept. 26, 1939. Class 42.
Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. 373,341; Dec. 5; Serial No. 420,844; published Sept. 5, 1939. Class 39.
Beverages of America, Inc., Chicago, Ill. Concentrate for making non-alcoholic beverages. 373,288; Dec. 5; Serial No. 410,498; published Nov. 1, 1938. Class 45.
Bishop & Babcock Company, The, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Return-line traps, air-valves, and damper-regulators. 127,330; renewed Nov. 11, 1939.
Borden Company, The, Jersey City, N. J., and New York, N. Y., to The Borden Company, New York, N. Y. Foods and ingredients of foods. 130,647; renewed May 4, 1940.
Borden Company, The, New York, N. Y. Ice cream mix. 373,451; Dec. 5. Class 46.
Botany Worsted Mills, Passaic, N. J. Woolen and worsted fabrics. 373,402; Dec. 5; Serial No. 422,196; published Sept. 26, 1939. Class 42.
Bridgeport Brass Company, Bridgeport, Conn. Products of copper, brass, and bronze. 130,468; renewed Apr. 27, 1940.
Brillo Manufacturing Company, Inc., New York, N. Y. Air filters, filters for refrigerators, and refrigerators. 373,308; Dec. 5; Serial No. 418,808; published Sept. 26, 1939. Class 31.
Brown Company, Portland, Maine, and Berlin, N. H. Wood pulp. 373,381–2; Dec. 5; Serial Nos. 421,993–4; published Sept. 26, 1939. Class 1.
Cabral, Joseph M., Merced, Calif. Antiseptic cleaning fluid for barber's instruments and other tools. 373,447; Dec. 5. Class 6.
Capewell Manufacturing Company, The. (See Fowler Nail Co., The, assignor.)
Carr Fastener Company, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap-fasteners. 127,721; renewed Dec. 2, 1939.
Case, J. I., Plow Works Company. (See Wallis Tractor Company, assignor.)
Casey's C. C. Powder Company, Hemphill, W. Va. Preparation for treating skin or external cancers, etc. 373,442; Dec. 5. Class 6.
Cavalier Corporation, Chattanooga, Tenn. Gas heaters and gas ranges. 373,359; Dec. 5; Serial No. 421,301; published Sept. 26, 1939. Class 34.
Celanese Corporation of America, New York, N. Y. Piece goods. 373,405; Dec. 5; Serial No. 422,398; published Sept. 26, 1939. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods. 373,408; Dec. 5; Serial No. 422,537; published Sept. 26, 1939. Class 42.

Central San Ramon, S. A., Guanajay and Habana, Cuba. Cane sugar, cane molasses, cane sugar syrups, etc. 373,435; Dec. 5. Class 46.
Chambers, Louise R., doing business as The Pedi-Care Co., Denver, Colo. Medicine for the treatment of athlete's foot. 373,444; Dec. 5. Class 6.
Cleveland Tractor Company, The, Cleveland, Ohio. Tractors. 373,303; Dec. 5; Serial No. 417,523; published May 23, 1939. Class 23.
Coffin Redington Co., to Coffin-Redington Co., San Francisco, Calif., successor. Toilet powders and hair preparations. 129,440; renewed Feb. 24, 1940.
Cohen, Jos. S., & Sons Co., Inc., New York, N. Y. Frocks and dresses. 373,351; Dec. 5; Serial No. 421,128; published Sept. 12, 1939. Class 39.
Colos International Company for Commerce and Industry, Inc., New York, N. Y. String instruments, horns, mouth harmonicas, etc. 373,304; Dec. 5; Serial No. 417,957; published Sept. 26, 1939. Class 36.
Compound Injector & Specialty Co., Chicago, Ill. Plumbing fixtures and supplies. 130,479; renewed Apr. 27, 1940.
Congress Shirt Company, Boston, Mass. Sport jackets and parkas for men. 373,309; Dec. 5; Serial No. 418,920; published Sept. 12, 1939. Class 39.
Crown Overall Manufacturing Company, Cincinnati, Ohio. Work garments. 373,328; Dec. 5; Serial No. 420,452; published Sept. 19, 1939. Class 39.
Cyclone Manufacturing Co., The, Urbana, Ind. Poultry feeders, poultry waterers, poultry brooders, etc. 373,292; Dec. 5; Serial No. 412,125; published Dec. 27, 1938. Class 50.
Dant & Head Distilling Company, Louisville, Ky. Whiskey, gin, rum, etc. 373,390–1; Dec. 5; Serial Nos. 422,042–3; published Sept. 26, 1939. Class 49.
Davies, Montague A., Troy, Pa. Antiseptic oil. 373,443; Dec. 5. Class 6.
Day Stores, Inc., New York, N. Y. Suits, overcoats, and top coats. 373,374; Dec. 5; Serial No. 421,873; published Sept. 26, 1939. Class 39.
De Laval Separator Company, The, New York, N. Y. Pneumatic pumps. 128,671; renewed Jan. 13, 1940.
Denver Fire Clay Company, The, Denver, Colo. Hydrocarbon burners and furnaces. 130,172; renewed Apr. 13, 1940.
De Pinna, A., Co., Inc., New York, N. Y. Woolen and worsted piece goods. 373,395; Dec. 5; Serial No. 422,089; published Sept. 26, 1939. Class 42.
Disney, Walt, Productions, Hollywood, Calif. Ceramic statuettes and figures. 373,396; Dec. 5; Serial No. 422,090; published Sept. 26, 1939. Class 50.
Dobeckmun Company, The, Cleveland, Ohio. Wrappers of cellulose film. 373,377; Dec. 5; Serial No. 421,967; published Sept. 26, 1939. Class 37.
Duncan Coffee Company, Houston, Tex. Coffee. 130,703; renewed May 4, 1940.
Dunhill, Alfred, Limited, London, England. Cigarettes. 373,383; Dec. 5; Serial No. 422,002; published Sept. 26, 1939. Class 17.
Durlacher, Ludwig, New York, N. Y. Substances or chemicals. 373,433; Dec. 5. Class 6.
Eagle Lock Company, Terryville, Conn. Wood and machine screws. 373,364; Dec. 5; Serial No. 421,454; published Sept. 26, 1939. Class 13.
Efron, Sara, Los Angeles, Calif. Dog and cat food. 373,418; Dec. 5. Class 46.
Eisenhart, Dr. W. E., Health Products Company, Inc., Kansas City, Mo. Alkaline powder preparation. 373,449; Dec. 5. Class 6.
Electrolift, Inc., New York, N. Y. Electric hoists, cranes, winches, etc. 373,422; Dec. 5. Class 23.
Enro Shirt Company, Inc., The, Louisville, Ky. Men's negligee and dress shirts, pajamas, and sport shirts. 373,455; Dec. 5. Class 39.
Farnsworth, Daniel W., New York, N. Y. Woolen and worsted piece goods. 373,392; Dec. 5; Serial No. 422,047; published Sept. 26, 1939. Class 42.
Feigenson Bros. Co., Inc., Detroit, Mich. Bottles of beverages. 373,313; Dec. 5; Serial No. 419,297; published July 11, 1939. Class 45.
Felters Company, The, Boston, Mass. Felt. 373,367; Dec. 5; Serial No. 421,602; published Sept. 26, 1939. Class 50.
Flory Milling Company, Inc., Bangor, Pa. Feed. 373,368; Dec. 5; Serial No. 421,603; published Sept. 26, 1939. Class 46.
Folker Fabrics, Inc., New York, N. Y. Textile fabrics. 373,299; Dec. 5; Serial No. 416,531; published May 2, 1939. Class 42.
Fowler Nail Co., The, Seymour, assignor to The Capewell Manufacturing Company, Hartford, Conn. Horseshoe-nails and molders' nails. 130,499; renewed Apr. 27, 1940.
Fur Institute of America, The. (See Bein, Erwin C.)
Gadi, Inc., doing business as Gardenia Products Company, Memphis, Tenn. White shoe cleaner and shoe polishes. 373,284; Dec. 5; Serial No. 404,622; published Sept. 26, 1939. Class 4.
Gardenia Products Company. (See Gadi, Inc.)
Gastonia Full Fashioned Hosiery Mill, Inc., Gastonia, N. C. Hosiery. 373,340; Dec. 5; Serial No. 420,813; published Sept. 12, 1939. Class 39.
General Foods Corporation. (See Arbuckle Brothers, assignor.)
General Mills, Inc., Minneapolis, Minn. Food for domestic fowls and animals. 373,287; Dec. 5; Serial No. 410,074; published Sept. 26, 1939. Class 46.
General Mills, Inc. (See Sperry Flour Company, assignor.)
Gillott, Joseph, & Son Limited. (See Hornung, Theodore, assignor.)
Gioia, Alfonso, & Sons, Rochester, N. Y. Alimentary pastes. 373,404; Dec. 5; Serial No. 422,241; published Sept. 26, 1939. Class 46.
Glemby Company, Inc., The, New York, N. Y. Hair nets. 373,417; Dec. 5. Class 39.
Glidden Company, The. (See Wisconsin Butterine Co.)
Goetz, Krumscheid & Kliban, New York, N. Y. Blouses and dresses. 373,326; Dec. 5; Serial No. 420,370; published Sept. 12, 1939. Class 39.
Goodall Company, Sanford, Maine, and New York, N. Y. Outer garments. 373,318; Dec. 5; Serial No. 420,055; published Sept. 5, 1939. Class 39.
Goodmate Company, The, Philadelphia, Pa. Suits, coats, pants, etc. 373,307; Dec. 5; Serial No. 418,775; published Sept. 12, 1939. Class 39.
Gordon, Pauline, Inc., New York, N. Y. Girdles and brassières. 373,452; Dec. 5. Class 39.
Gould, Wells & Blackburn Co., Madison, Wis., assignor to The Kroger Grocery & Baking Company, Cincinnati, Ohio. Canned goods. 127,613; renewed Nov. 18, 1939.
Granite Fabrics, Inc., New York, N. Y. Piece goods. 373,406; Dec. 5; Serial No. 422,443; published Sept. 26, 1939. Class 42.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Eggs. 373,375; Dec. 5; Serial No. 421,936; published Sept. 26, 1939. Class 46.
Greensboro Overall Co., Greensboro, N. C. Overalls, work shirts, and work pants. 373,336; Dec. 5; Serial No. 420,672; published Sept. 12, 1939. Class 39.
Griffith Laboratories, Inc., The, Chicago, Ill. Pump. 373,327; Dec. 5; Serial No. 420,410; published Sept. 26, 1939. Class 23.
Gruber, Edw. H., doing business as Gruber Bottling Works, Philadelphia, Pa. Beverages, and syrups and extracts, etc. 373,378; Dec. 5; Serial No. 421,968; published Sept. 26, 1939. Class 45.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watchcases, and watch movements. 373,431; Dec. 5. Class 27.
Hall, Hartwell & Co., Troy, assignor, by mesne assignments, to Hallmark Shirt Co., Inc., New York, N. Y. Clothing. 129,162; renewed Jan. 27, 1940.
Hall Planetary Company, The, Philadelphia, Pa. Milling machines and parts thereof. 373,301; Dec. 5; Serial No. 416,688; published May 2, 1939. Class 23.
Hallmark Shirt Co., Inc. (See Hall, Hartwell & Co., assignor.)
Hat Corporation of America. (See Knox Hat Company, Inc., assignor.)
Hecht Co., The, Washington, D. C., also doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and The Hub, Baltimore, Md. Blankets, sheets, and pillowcases. 373,409; Dec. 5; Serial No. 422,545; published Sept. 26, 1939. Class 42.
Heller, L., & Son, Inc., Providence, R. I., to L. Heller & Son, Inc., New York, N. Y. Imitation-pearl necklaces. 130,071; renewed Apr. 6, 1940.
Heneph Corporation, The, Kingston, N. Y. Medicinal preparation. 373,411; Dec. 5; Serial No. 421,481; published Sept. 26, 1939. Class 6.
Highland Mutual Groves, Inc., Highland, Calif. Fresh citrus fruit. 373,282; Dec. 5; Serial No. 403,589; published Sept. 26, 1939. Class 46.
Home Bakery, The. (See Moore, Roy.)
Hornung, Theodore, assignor to Joseph Gillott & Sons Limited, Birmingham, England. Steel pens. 129,746; renewed Mar. 9, 1940.
Houghton, E. F., & Co., Philadelphia, Pa. Chemical compounds for use as cleansing and washing compositions. 373,393; Dec. 5; Serial No. 422,054; published Sept. 26, 1939. Class 4.
Howlin, A. S., & Co., Lynchburg, Va. Coal. 130,851; renewed May 4, 1940.
Hub, The. (See Hecht Co., The.)
Hudson Products, Inc., Jersey City, N. J. Preparation for cleaning, washing, and polishing artificial dentures. 373,346; Dec. 5; Serial No. 420,954; published Sept. 26, 1939. Class 4.
Hygrade Food Products Corporation, New York, N. Y. Dog food. 373,407; Dec. 5; Serial No. 422,473; published Sept. 26, 1939. Class 46.
Ilex Optical Company, Rochester, N. Y. Lenses and shutters. 373,321; Dec. 5; Serial No. 420,103; published Sept. 26, 1939. Class 26.
Ilex Optical Company, Rochester, N. Y. Lenses and shutters. 373,332; Dec. 5; Serial No. 420,585; published Sept. 26, 1939. Class 26.
International Corset Company, Aurora, Ill. Corsets. 131,142; renewed May 4, 1940.
International Nickel Co., The, Constable Hook, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Nickel and alloys containing nickel. 128,408; renewed Jan. 6, 1940.

International Safety Razor Corporation, Bloomfield, N. J. Razor blades. 373,426; Dec. 5. Class 23.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 373,379; Dec. 5; Serial No. 421,971; published Sept. 26, 1939. Class 39.
Isaacson, L., & Sons, Inc., New York, N. Y. Sweaters, and knitted suits. 373,337; Dec. 5; Serial No. 420,677; published Sept. 12, 1939. Class 39.
Jaffe, Albert H., doing business as Albert H. Jaffe & Co., Baltimore, Md. Women's slips, men and women's aprons, and men's duck service coats. 373,322; Dec. 5; Serial No. 420,228; published Sept. 12, 1939. Class 39.
Jeanette Hosiery Mills, Inc., Elkins Park, Pa. Ladies' hosiery. 373,316; Dec. 5; Serial No. 419,518; published Sept. 12, 1939. Class 39.
Juillard-Cockcroft Corporation, Watsonville, Calif. Wines. 373,365; Dec. 5; Serial No. 421,518; published Sept. 26, 1939. Class 47.
Kaplan, Joseph A., Inc., New York, N. Y. Shower curtains. 373,440; Dec. 5. Class 13.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Dresses, frocks, suits, etc. 373,319; Dec. 5; Serial No. 420,062; published Aug. 15, 1939. Class 39.
Kenmar Manufacturing Company, Philadelphia, Pa. Caulking, glazing, and grease guns, putty knives, etc. 373,363; Dec. 5; Serial No. 421,430; published Sept. 26, 1939. Class 23.
Kimball, C. M., Company, Winthrop, to C. M. Kimball Company, Everett, Mass. Silver-polish, stove-polish, and metal-polish. 127,564; renewed Nov. 11, 1939.
Knox Hat Company, Inc., New York, N. Y., assignor to Hat Corporation of America, Norwalk, Conn. Articles of clothing. 130,198; renewed Apr. 13, 1940.
Kroger Grocery & Baking Company, The. (See Gould, Wells & Blackburn Co., assignor.)
Lake Reedy Packing Co., assignor to L. Maxcy, Inc., Frostproof, Fla. Fresh citrus fruits. 130,532; renewed Apr. 27, 1940.
Lasater, Robert L., Evanston, Ill. Electrically-operated vibratory tooth brushes. 373,329; Dec. 5; Serial No. 420,460; published Sept. 26, 1939. Class 21.
Levey Brothers Shoe Co., Inc., New York, N. Y. Shoes. 373,441; Dec. 5. Class 39.
Leyerle, Dan L., Web City, to Dan L. Leyerle, doing business as Traveler Medicine Co., Springfield, Mo. Livertonic. 129,771; renewed Mar. 9, 1940.
Lindsay District Orange Company, Lindsay, Calif. Fresh citrus fruit. 373,296; Dec. 5; Serial No. 415,600; published Sept. 26, 1939. Class 46.
Lipman & Schlifman, Inc., New York, N. Y. Ladies' coats. 373,338; Dec. 5; Serial No. 420,770; published Sept. 12, 1939. Class 39.
Lipschultz Bros., St. Paul, Minn. Automobile steering wheel covers. 373,330; Dec. 5; Serial No. 420,535; published Sept. 26, 1939. Class 19.
Liquor Dealers Supply Co., Chicago, Ill. Whiskey. 373,373; Dec. 5; Serial No. 421,852; published Sept. 26, 1939. Class 49.
Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts therefor. 373,314; Dec. 5; Serial No. 419,383; published Sept. 26, 1939. Class 19.
Loeb, Marcus, & Company, Atlanta, Ga. Corduroy overalls. 373,360; Dec. 5; Serial No. 421,346; published Sept. 12, 1939. Class 39.
Loewer's, V., Gambrinus Brewery Co., New York, N. Y. Beer, ale, and stout. 373,286; Dec. 5; Serial No. 409,404; published Sept. 26, 1939. Class 48.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Shirts, waists, suits, coats, etc. 373,320; Dec. 5; Serial No. 420,066; published Sept. 12, 1939. Class 39.
Luckey Style Dress Co. Inc., New York, N. Y. Dresses. 373,361; Dec. 5; Serial No. 421,384; published Sept. 12, 1939. Class 39.
Macdonald & Muir, Limited, Leith, Scotland. Scotch whiskey. 373,291; Dec. 5; Serial No. 412,036; published July 4, 1939. Class 49.
Magnaflux Corporation, Chicago, Ill. Electrical apparatus for magnetic testing of metal articles. 373,290; Dec. 5; Serial No. 411,127; published Dec. 27, 1938. Class 26.
Magnus Chemical Company, Inc., Garwood, N. J. Compounds for cleaning metal surfaces and the like. 373,289; Dec. 5; Serial No. 410,795; published Sept. 26, 1939. Class 4.
Mahan, Cyril C., Baltimore, Md. Candy. 130,808; renewed May 4, 1940.
Martin, Glenn L., Cleveland, Ohio, assignor to The Glenn L. Martin Company, Baltimore, Md. Automotive aircraft. 130,210; renewed Apr. 13, 1940.
Mason, Ehrman & Co., Inc., Portland, Oreg. Pickles and sweet relish. 373,398; Dec. 5; Serial No. 422,142; published Sept. 26, 1939. Class 46.
Massey-Harris Company, The. (See Wallis Tractor Company, assignor.)
Maxcy, L., Inc. (See Lake Reedy Packing Co., assignor.)
McArthur, Geo., and Sons Company, Baraboo, Wis. Bath towels and toweling. 373,423; Dec. 5. Class 42.
Meyrowitz, E. B., Inc., New York, N. Y. Spectacles and mountings therefor. 373,345; Dec. 5; Serial No. 420,912; published Sept. 26, 1939. Class 26.
Michel, B. M., Inc., Chicago, Ill. Women's and misses' coats and suits. 373,355; Dec. 5; Serial No. 421,247; published Sept. 5, 1939. Class 39.
Mills Iron Works, Los Angeles, Calif. Well drilling tools. 373,356; Dec. 5; Serial No. 421,249; published Sept. 26, 1939. Class 23.
Minnesota Macaroni Company, St. Paul, Minn. Alimentary pastes. 373,305; Dec. 5; Serial No. 418,084; published Sept. 26, 1939. Class 46.
Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Rugs and carpets. 373,384; Dec. 5; Serial No. 422,011; published Sept. 26, 1939. Class 42.
Moore, Helen, Inc., Wellesley, Mass. Hospital bed gown. 373,333; Dec. 5; Serial No. 420,594; published Sept. 12, 1939. Class 39.
Moore, Roy, doing business as The Home Bakery, Mission, Tex. Bread. 373,427; Dec. 5. Class 46.
Morell Novelty Company, Inc., New York, N. Y. Yarn. 373,428; Dec. 5. Class 43.
Mountford, Fredk., (Birmingham) Ltd., Lifford, near Birmingham, to Fredk. Mountford (Birmingham) Ltd., Birmingham, England. Milling, vertical-drilling, etc. machines; lathes, planers, etc. 126,562; renewed Sept. 16, 1939.
Mount Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Cotton duck. 127,258; renewed Oct. 28, 1939.
Mount Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Cotton duck. 128,139–40; renewed Dec. 23, 1939.
Mount Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Cotton twine. 129,995; renewed Mar. 16, 1940.
Nashua Manufg. Company, Nashua, N. H., to Nashua Manufacturing Company, Nashua, N. H., and Boston, Mass. Cotton blankets. 131,195; renewed May 4, 1940.
National Electric Coil Company, Columbus, Ohio. Electric coils. 373,285; Dec. 5; Serial No. 406,097; published July 18, 1939. Class 21.
National Shirt Shops of Delaware, Inc., New York, N. Y. Men's wearing apparel. 373,413; Dec. 5. Class 39.
Natomas Fruit Company, Exeter, Calif. Airtight containers. 373,419; Dec. 5. Class 2.
Norday, Inc., Lima, Ohio. Sleeping gowns and pajamas. 373,357; Dec. 5; Serial No. 421,250; published Sept. 12, 1939. Class 39.
Odora Company, Inc., New York, N. Y. Moth cakes. 373,415; Dec. 5. Class 6.
Ohio Provision Co., The, Cleveland, Ohio. Bacon. 373,344; Dec. 5; Serial No. 420,882; published Sept. 26, 1939. Class 46.
Old Spring Distilling Company, The, Cincinnati, Ohio. Whiskey. 373,456; Dec. 5. Class 49.
Oxford Filing Supply Co. (See Record Card Co., assignor.)
Page, J. S., Weatherford, to J. S. Page, Fort Worth, Tex. Medicine. 129,520; renewed Feb. 24, 1940.
Palay, S. T., Textile Corporation, New York, N. Y. Rayon piece goods. 373,315; Dec. 5; Serial No. 419,390; published July 25, 1939. Class 42.
Peavey, F. H., & Company, doing business as Thief River Falls Seed House, Minneapolis and Thief River Falls, Minn. Seeds. 373,352; Dec. 5; Serial No. 421,159; published Sept. 5, 1939. Class 1.
Pedi-Care Co., The. (See Chambers, Louise R.)
Penguin Pie Co., Los Angeles, Calif. Combined cake and ice cream bar. 373,283; Dec. 5; Serial No. 403,734; published Oct. 4, 1938. Class 46.
Peper, Christian, Tobacco Company, St. Louis, Mo. Tobacco products. 373,387–9; Dec. 5; Serial Nos. 422,037–9; published Sept. 26, 1939. Class 17.
Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 373,394; Dec. 5; Serial No. 422,070; published Sept. 26, 1939. Class 42.
Philstan Products Company, Philadelphia, Pa. Slide fasteners. 373,294; Dec. 5; Serial No. 415,350; published Sept. 26, 1939. Class 13.
Phoenix Horse Shoe Co., Chicago, by change of name to Phoenix Manufacturing Company, Joliet, Ill. Metal horse and mule shoes. 130,102; renewed Apr. 6, 1940.
Pollak Steel Company, The, Cincinnati, Ohio. Bars of open-hearth steel. 129,050; renewed Jan. 20, 1940.
Rainbow Childrens Dress Co., New York, N. Y. Dresses. 373,343; Dec. 5; Serial No. 420,874; published Sept. 12, 1939. Class 39.
Record Card Co., New York, assignor to Oxford Filing Supply Co., Brooklyn, N. Y. Filing-cards. 130,874; renewed May 4, 1940.
Red Arrow Foods, Inc., Detroit, Mich. Potato sticks and salad dressing. 373,298; Dec. 5; Serial No. 416,265; published Sept. 26, 1939. Class 46.
Reed & Prince Manufacturing Company, Worcester, Mass. Screws, bolts, nuts, etc. 130,561; renewed Apr. 27, 1940.
Rice-Stix Dry Goods Company, St. Louis, Mo. Blankets, lap-robes, bedspreads, etc. 128,163; renewed Dec. 23, 1939.
Rice-Stix Dry Goods Company, St. Louis, Mo. Knitted, netted, and textile fabrics. 129,847; renewed Mar. 9, 1940.
Richards, Boggs and King, Inc., Chicago, Ill. Hosiery. 373,342; Dec. 5; Serial No. 420,873; published Sept. 12, 1939. Class 39.

Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Envelope and printing paper. 373,380; Dec. 5; Serial No. 421,980; published Sept. 26, 1939. Class 37.
Ries, Jacob, Bottling Works, Inc., Shakopee, Minn. Beverages. 130,563; renewed Apr. 27, 1940.
Robinson Milling Company, The, Salina, Kans. Wheat-flour. 120,894; renewed May 4, 1940.
Robinson Milling Company, The, Salina, Kans. Wheat-flour. 130,230; renewed Apr. 13, 1940.
Rose Manufacturing Company. (See Rosenbluth, Edwin M.)
Rosenbluth, Edwin M., doing business as Rose Manufacturing Company, Philadelphia, Pa. Fungicides and insecticides. 373,385; Dec. 5; Serial No. 422,019; published Sept. 12, 1939. Class 6.
Rossmont Farms Corporation, Afton, Va. Fresh apples. 373,439; Dec. 5. Class 46.
Sagner, A., & Sons, Inc., Baltimore, Md. Men's suits and overcoats, and women's suits and coats. 373,334; Dec. 5; Serial No. 420,600; published Sept. 5, 1939. Class 39.
Salto, A., Società Anonima, Trieste, Italy. Cigarette paper in booklet and tube form. 373,429; Dec. 5. Class 8.
Sambrooks Ltd. of London, New York, N. Y. Neckties, mufflers, hose, etc. 373,445; Dec. 5. Class 39.
Schiff, Henry T., Chicago, Ill. Cameras, photographic lenses and sensitized photographic films. 373,293; Dec. 5; Serial No. 413,052; published Jan. 17, 1939. Class 26.
Schnur & Cohan, Inc., New York, N. Y. Slips and underwear. 373,353; Dec. 5; Serial No. 421,201; published Sept 12, 1939. Class 39.
Schulman & Menzoff, New York, N. Y. Men's coats, scarfs, and jackets. 373,339; Dec. 5; Serial No. 420,782; published Sept. 19, 1939. Class 39.
Schwabe & May, Inc., doing business as Schwabe-May, Charleston, W. Va. Suits, overcoats, topcoats, etc. 373,348; Dec. 5; Serial No. 421,102; published Sept. 12, 1939. Class 39.
Scovill Manufacturing Company, Waterbury, Conn., and Racine, Wis. Ice cream dishers. 373,420; Dec. 5. Class 23.
Sea Food Export Corporation of California, The, Memphis, Tenn., and Terminal Island, Calif. Canned fish. 373,376; Dec. 5; Serial No. 421,949; published Sept. 26, 1939. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Snow suits, and ski jackets and pants. 373,358; Dec. 5; Serial No. 421,263; published Sept. 26, 1939. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Children's dresses. 373,370; Dec. 5; Serial No. 421,816; published Sept. 26, 1939. Class 39.
Seeburg, J. P., Corporation, Chicago, Ill. Phonographs. 373,399; Dec. 5; Serial No. 422,156; published Sept. 26, 1939. Class 36.
Seidenberg, R. J., Co., Buffalo, N. Y. Cigars, cigarettes, and tobacco. 130,109; renewed Apr. 6, 1940.
Shapleigh Hardware Company, St. Louis, Mo. Prepared roofing. 129,070; renewed Jan. 20, 1940.
Società Anonima Caffarel Prochet, The, Turin, Italy. Chocolate. 373,403; Dec. 5; Serial No. 422,228; published Sept. 26, 1939. Class 46.
Solinger & Sons Co., Inc., New York, N. Y. Piece goods. 373,369; Dec. 5; Serial No. 421,623; published Sept. 26, 1939. Class 42.
Southern Manufacturing Company, Nashville, Tenn. Shirts and pants. 373,354; Dec. 5; Serial No. 421,207; published Sept. 26, 1939. Class 39.
Sperry Flour Company, San Francisco, Calif., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 130,412; renewed Apr. 20, 1940.
Star-Maid Dresses, Inc., New York, N. Y. Dresses, coats, suits, etc. 373,424; Dec. 5. Class 39.
Stern-Siegman-Prins Company, North Kansas City, Mo. Ladies' coats. 373,310; Dec. 5; Serial No. 419,167; published Sept. 5, 1939. Class 39.
Stetson Shirt Co. Inc., New York, N. Y. Men's shorts, pajamas, underwear, and neckties. 373,438; Dec. 5. Class 39.
Story & Clark Piano Company, assignor to Story & Clark Piano Company, Chicago, Ill. Pianos, piano-players, and organs. 130,120; renewed Apr. 6, 1940.
Sullivan, P., Shoe Company, The, Cincinnati, Ohio. Shoes. 373,414; Dec. 5. Class 39.
Sun Company, Philadelphia, Pa., now, by change of name, to Sun Oil Company. Wool washing and treating oils. 128,876; renewed Jan. 13, 1940.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Fibres and filaments. 373,386; Dec. 5; Serial No. 422,025; published Sept. 26, 1939. Class 1.
Syracuse Chilled Plow Company, Inc., Syracuse, N. Y. Potato diggers. 373,323; Dec. 5; Serial No. 420,302; published Sept. 26, 1939. Class 23.
The May Department Stores Company, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo.; and St. Louis, Mo. Dog food. 373,446; Dec. 5. Class 46.
Thief River Falls Seed House. (See Peavey, F. H., & Company.)
Tobias, Chas., Bro. & Co., Cincinnati, Ohio. Hats. 130,427; renewed Apr. 20, 1940.
Toledo Tire Corporation, Toledo, Ohio. Pneumatic tires and tubes. 373,300; Dec. 5; Serial No. 416,672; published Apr. 18, 1939. Class 35.
Touraine Company, Inc., New York, N. Y. Knitted suits, sweaters, jackets, etc. 373,347; Dec. 5; Serial No. 421,014; published Sept. 12, 1939. Class 39.
Transducer Corporation, New York, N. Y. Sound detecting and reproducing equipment. 373,295; Dec. 5; Serial No. 415,425; published Sept. 26, 1939. Class 21.
Transparent Distributor Cap and Motor Parts Co., Scottdale, Pa. Distributor caps. 373,302; Dec. 5; Serial No. 417,514; published Sept. 26, 1939. Class 21.
Traveler Medicine Co. (See Leyerle, Dan L.)
Turner & Walls, assignor, by mesne assignments, to Albert H. Vandam Co., Inc., New York, N. Y. Silk and cotton piece goods and combinations of the same. 131,247; renewed May 4, 1940.
Twitchell, S., Company, Philadelphia, Pa. Beverages, and extracts, flavors, etc. 373,371; Dec. 5; Serial No. 421,824; published Sept. 26, 1939. Class 45.
United-Carr Fastener Corporation. (See Carr Fastener Company, assignor.)
United Distributors, Inc., Louisville, Ky. Hair shampoo. 373,453; Dec. 5. Class 6.
United Distributors, Inc., Louisville, Ky. Preparation for restoring color to the hair. 373,454; Dec. 5. Class 6.
United States Electric Mfg. Corporation, New York, N. Y. Flash-lights. 373,401; Dec. 5; Serial No. 422,186; published Sept. 26, 1939. Class 21.
Vandam, Albert H., Co., Inc. (See Turner & Walls, assignor.)
Viking Air Conditioning Corporation, The, Cleveland, Ohio. Ventilating and circulating fans, blowers, and humidifiers. 373,306; Dec. 5; Serial No. 418,698; published Sept. 26, 1939. Class 34.
Viking Air Conditioning Corporation, The, Cleveland, Ohio. Ventilating and circulating fans, blowers, humidifiers, etc. 373,312; Dec. 5; Serial No. 419,285; published Sept. 26, 1939. Class 34.
Wallis Tractor Company, assignor to J. I. Case Plow Works Company, assignor, by mesne assignments, to The Massey-Harris Company, Racine, Wis. Tractors. 130,982; renewed May 4, 1940.
Walton-Pierce Company, Detroit, Mich. Dresses, gowns, coats, etc. 373,425; Dec. 5. Class 39.
Wamsutta Mills, New Bedford, Mass. Outer shirts, shorts, slacks, etc. 373,331; Dec. 5; Serial No. 420,552; published Sept. 5, 1939. Class 39.
Weiner, Simon, New York, N. Y. Shoes. 373,434; Dec. 5. Class 39.
Weltronic Corporation, Detroit, Mich. Arrangements comprising an electrical control apparatus. 373,349; Dec. 5; Serial No. 421,108; published Sept. 26, 1939. Class 21.
Western Grocer Company, Marshalltown, Iowa. Castor-oil, glycerin, borax, etc. 127,798; renewed Dec. 2, 1939.
Westgate Sea Products Co., San Diego, Calif. Canned fish. 373,450; Dec. 5. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Evaporative condensers for air conditioning devices. 373,281; Dec. 5; Serial No. 401,410; published June 21, 1938. Class 34.
Wisconsin Butterine Co., Milwaukee, Wis., to The Glidden Company, Cleveland, Ohio, succesor. Oleomargin. 127,556; renewed Nov. 11, 1939.
Wisconsin Butterine Co., Milwaukee, Wis., to The Glidden Company, Cleveland, Ohio, successor. Lard substitute. 127,557; renewed Nov. 11, 1939.
Wolf, Jacques, & Co., Clifton, N. J. Chemical preparation. 373,432; Dec. 5. Class 6.
Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods. 130,595; renewed Apr. 27, 1940.
Wright's Underwear Company, Inc., New York, N. Y. Underwear, sweaters, hosiery, etc. 373,335; Dec. 5; Serial No. 420,657; published Sept. 19, 1939. Class 39.
Zenith Radio Corporation, Chicago, Ill. Electric lamps. 373,400; Dec. 5; Serial No. 422,164; published Sept. 26, 1939. Class 21.
Zylocase Company, The, Irvington, N. J. Eyeglass cases. 373,430; Dec. 5. Class 2.

LIST OF REGISTRANTS OF LABELS

Bird & Son, Inc., East Walpole, Mass. Grayflex Footwear. For Cartons. 53,978; Dec. 5.
Bishop Jones' Body Building Herb Tea. (See Jones, Nelson.)
Cellulose & Paper Converting Co., Philadelphia, Pa. Pak-Rite. For Waxed Paper. 53,979; Dec. 5.
Clover Farm Stores Corporation, Cleveland, Ohio. Spork. For Canned All Pork Meat. 53,980; Dec. 5.

Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Glassteel. For Enameled Ware. 53,981; Dec. 5.
Commercial Solvents Corporation, Terre Haute, Ind. Nor'Way Anti-Freeze Filler-Upper. For an Anti-Freeze Composition. 53,982; Dec. 5.
Cunningham Drug Co., San Antonio, Tex. Pronto Unguento Vaporizado. For a Vaporizing Chest Rub. 53,983; Dec. 5.
Dugan Poultry Farm, Hicksville, N. Y. Dugan Tested Eggs. For Eggs. 53,984; Dec. 5.
Hazard Lead Works, Inc., The, Brooklyn, N. Y. Haz-A-Wear Trim & Trellis Green. For Trim and Trellis Green Paint. 53,985; Dec. 5.
Hoopeston Canning Co., The, Hoopeston, Ill. Little Chief. For Asparagus Cuts and Tips. 53,986; Dec. 5.
Hoopeston Canning Co., The, Hoopeston, Ill. Little Chief. For Country Gentleman Cream Style Corn. 53,987; Dec. 5.
Hoopeston Canning Co., The, Hoopeston, Ill. Little Chief. For Country Gentleman Whole Kernel Corn. 53,988; Dec. 5.
Hoopeston Canning Co., The, Hoopeston, Ill. Little Chief. For Golden Bantam Cream Style Corn. 53,989; Dec. 5.
Jones, Nelson, doing business as Bishop Jones' Body Building Herb Tea, Chicago, Ill. Body Building Herb Tea. For a Vegetable Compound Regulative Tea. 53,990; Dec. 5.
Larsen Company, The, Green Bay, Wis. Larsen's Fresh-like Salad Vegetables, Vacuum Packed. For Canned Salad Vegetables. 53,991; Dec. 5.
Mead Johnson & Company, Evansville, Ind. Mead's Powdered Lactic Acid Milk Half Skim. For Homogenized, Spray-Dried Mixture of Approximately Equal Parts of Skim Milk and Whole Milk, Acidified with Lactic Acid. 53,992; Dec. 5.
New Era Shirt Company, St. Louis, Mo. Your 'Neck's' Best Friend New Era Shirts With Line-Fold Collar. For Shirts. 53,993; Dec. 5.
Perrine, I. D., & Sons, Detroit Lakes, Minn. Perrine's Sun-Ray Brand. For Pickles. 53,994; Dec. 5.
Propeller Fan Manufacturers Association, Detroit, Mich. Certified Ratings. For Centrifugal and Axial Fans. 53,995; Dec. 5.
Rapinwax Paper Company, Minneapolis, Minn. Family Special Bread. For Bread. 53,996; Dec. 5.
Rapinwax Paper Company, Minneapolis, Minn. Gold Seal Bread. For Whole Wheat Bread. 53,997; Dec. 5.
Shepherd Knitwear Company, New York, N. Y. Cruise-Aid. For Sportswear. 53,998; Dec. 5.
Wood & Champaine, Philadelphia, Pa. Gynease. For Suppositories. 53,999; Dec. 5.

LIST OF REGISTRANTS OF PRINTS

Weber and Heilbroner, Inc., New York, N. Y. At Ease. For Men's Clothing. 17,751; Dec. 5.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. A. S. Nowlin & Co. 130,851; renewed May 4, 1940.
Fibres and filaments. Sylvania Industrial Corporation. 373,386; Dec. 5; Serial No. 422,025; published Sept. 26, 1939.
Seeds. F. H. Peavey & Company. 373,352; Dec. 5; Serial No. 421,159; published Sept. 5, 1939.
Wood pulp. Brown Company. 373,381–2; Dec. 5; Serial Nos. 421,993–4; published Sept. 6, 1939.

CLASS 2

Cases, Eyeglass. Zylocase Company. 373,430; Dec. 5.
Containers, Airtight. Natomas Fruit Company. 373,419; Dec. 5.

CLASS 3

Horse and mule shoes, Metal. Phoenix Horse Shoe Co. 130,102; renewed Apr. 6, 1940.

CLASS 4

Abrasive disks. Albertson & Company. 373,421; Dec. 5.
Chemical compounds for use as cleansing and washing compositions. E. F. Houghton & Co. 373,393; Dec. 5; Serial No. 422,054; published Sept. 26, 1939.
Cleaner and shoe polishes, White shoe. Gadi, Inc. 373,284; Dec. 5; Serial No. 404,622; published Sept. 26, 1939.
Compounds for cleaning metal surfaces and the like. Magnus Chemical Company. 373,289; Dec. 5; Serial No. 410,795; published Sept. 26, 1939.
Polish, stove-polish, and metal-polish, Silver. C. M. Kimball Company. 127,564; renewed Nov. 11, 1939.
Preparation for cleaning, washing, and polishing artificial dentures. Hudson Products, Inc. 373,346; Dec. 5; Serial No. 420,954; published Sept. 26, 1939.

CLASS 6

Antiseptic cleaning fluid for barber's instruments and other tools. J. M. Cabral. 373,447; Dec. 5.
Antiseptic oil. M. A. Davies. 373,443; Dec. 5.
Castor-oil, glycerin, borax, etc. Western Grocer Company. 127,798; renewed Dec. 2, 1939.
Chemical preparation. Jacques Wolf & Co. 373,432; Dec. 5.
Fungicides and insecticides. E. M. Rosenbluth. 373,385; Dec. 5; Serial No. 422,019; published Sept. 12, 1939.
Liver-tonic. D. L. Leyerle. 129,771; renewed Mar. 9, 1940.
Medicinal preparation. Heneph Corporation. 373,411; Dec. 5; Serial No. 421,481; published Sept. 26, 1939.
Medicine. J. S. Page. 129,520; renewed Feb. 24, 1940.
Medicine for the treatment of athletes foot. L. R. Chambers. 373,444; Dec. 5.
Moth cakes. Odora Company. 373,415; Dec. 5.
Oils, Wool washing and treating. Sun Company. 128,876; renewed Jan. 13, 1940.
Polishes and lip rouge, Nail. Elizabeth Arden, Inc. 373,416; Dec. 5.
Powder preparation, Alkaline. Dr. W. E. Eisenhart Health Products Company. 373,449; Dec. 5.
Powders and hair preparations, Toilet. Coffin Redington Co. 129,440; renewed Feb. 24, 1940.
Preparation for restoring color to the hair. United Distributors, Inc. 373,454; Dec. 5.
Preparation for treating skin or external cancers, etc. Casey's C. C. Powder Company. 373,442; Dec. 5.
Shampoo, Hair. United Distributors, Inc. 373,453; Dec. 5.
Substances or chemicals. L. Durlacher. 373,433; Dec. 5.

CLASS 7

Twine, Cotton. Mount Vernon-Woodberry Mills, Incorporated. 129,995; renewed Mar. 16, 1940.

CLASS 8

Cigarette paper in booklet and tube form. A. Salto Società Anonima. 373,429; Dec. 5.

CLASS 12

Roofing, Prepared. Shapleigh Hardware Company. 129,070; renewed Jan. 20, 1940.

CLASS 13

Curtains, Shower. Joseph A. Kaplan Inc. 373,440; Dec. 5.
Fasteners, Slide. Philstan Products Company. 373,294; Dec. 5; Serial No. 415,350; published Sept. 26, 1939.
Nails, Horseshoe-nails and molders' nails. Fowler Nail Co. 130,499; renewed Apr. 27, 1940.
Plumbing fixtures and supplies. Compound Injector & Specialty Co. 130,479; renewed Apr. 27, 1940.
Screws, bolts, nuts, etc. Reed & Prince Manufacturing Company. 130,561; renewed Apr. 27, 1940.
Screws, Wood and machine. Eagle Lock Company. 373,364; Dec. 5; Serial No. 421,454; published Sept. 26, 1939.

CLASS 14

Copper, brass, and bronze, Products of. Bridgeport Brass Company. 130,468; renewed Apr. 27, 1940.
Nickel and alloys containing nickel. International Nickel Co. 128,408; renewed Jan. 6, 1940.
Steel, Bars of open-hearth. Pollak Steel Company. 129,050; renewed Jan. 20, 1940.

CLASS 16

Paints, Oil wall. William T. Baker, Inc. 127,712; renewed Dec. 2, 1939.

CLASS 17

Cigarettes. Alfred Dunhill, Limited. 373,383; Dec. 5; Serial No. 422,002; published Sept. 26, 1939.
Cigars, cigarettes, and tobacco. R. J. Seidenberg Co. 130,109; renewed Apr. 6, 1940.
Tobacco products. Christian Peper Tobacco Company. 373,387–9; Dec. 5; Serial Nos. 422,037–9; published Sept. 26, 1939.

CLASS 19

Aircraft, Automotive. G. L. Martin. 130,210; renewed Apr. 13, 1940.

Airplanes and structural parts therefor. Lockheed Aircraft Corporation. 373,314; Dec. 5; Serial No. 419,383; published Sept. 26, 1939.
Automobile steering wheel covers. Lipschultz Bros. 373,330; Dec. 5; Serial No. 420,535; published Sept. 26, 1939.

CLASS 21

Alarms, Thermostatically operated automatic electric temperature. William L. Barrett Company. 373,324; Dec. 5; Serial No. 420,308; published Sept. 26, 1939.
Coils, Electric. National Electric Coil Company. 373,285; Dec. 5; Serial No. 406,097; published July 18, 1939.
Distributor caps. Transparent Distributor Cap and Motor Parts Co. 373,302; Dec. 5; Serial No. 417,514; published Sept. 26, 1939.
Electrical control apparatus, Arrangements comprising an. Weltronic Corporation. 373,349; Dec. 5; Serial No. 421,108; published Sept. 26, 1939.
Electrically-operated vibratory tooth brushes. R. L. Lasater. 373,329; Dec. 5; Serial No. 420,460; published Sept. 26, 1939.
Flash-lights. United States Electric Mfg. Corporation. 373,401; Dec. 5; Serial No. 422,186; published Sept. 26, 1939.
Lamps, Electric. Zenith Radio Corporation. 373,400; Dec. 5; Serial No. 422,164; published Sept. 26, 1939.
Sound detecting and reproducing equipment. Transducer Corporation. 373,295; Dec. 5; Serial No. 415,425; published Sept. 26, 1939.

CLASS 23

Caulking, glazing, and grease guns, putty knives, etc. Kenmar Manufacturing Company. 373,363; Dec. 5; Serial No. 421,430; published Sept. 26, 1939.
Dishers, Ice cream. Scovill Manufacturing Company. 373,420; Dec. 5.
Hoists, cranes, winches, etc., Electric. Electrolift, Inc. 373,422; Dec. 5.
Machines for feeding paper and attachments and parts. American Sales Book Company. 373,412; Dec. 5.
Milling machines and parts thereof. Hall Planetary Company. 373,301; Dec. 5; Serial No. 416,688; published May 2, 1939.
Milling, vertical-drilling, etc., machines; lathes, planers, etc. Fredk. Mountford (Birmingham) Ltd. 126,562; renewed Sept. 16, 1939.
Potato diggers. Syracuse Chilled Plow Company. 373,323; Dec. 5; Serial No. 420,302; published Sept. 26, 1939.
Pump. Griffith Laboratories, Inc. 373,327; Dec. 5; Serial No. 420,410; published Sept. 26, 1939.
Pumps, Pneumatic. De Laval Separator Company. 128,671; renewed Jan. 13, 1940.
Razor blades. International Safety Razor Corporation. 373,426; Dec. 5.
Tools, Well drilling. Mills Iron Works. 373,356; Dec. 5; Serial No. 421,249; published Sept. 26, 1939.
Tractors. Cleveland Tractor Company. 373,303; Dec. 5; Serial No. 417,523; published May 23, 1939.
Tractors. Wallis Tractor Company. 130,982; renewed May 4, 1940.

CLASS 26

Cameras, photographic lenses and sensitized photographic films. H. T. Schiff. 373,293; Dec. 5; Serial No. 413,052; published Jan. 17, 1939.
Compass and parts thereof, Earth inductor. Air-Track Manufacturing Corporation. 373,362; Dec. 5; Serial No. 421,410; published Sept. 26, 1939.
Electrical apparatus for magnetic testing of metal articles. Magnaflux Corporation. 373,290; Dec. 5; Serial No. 411,127; published Dec. 27, 1938.
Lenses and shutters. Ilex Optical Company. 373,321; Dec. 5; Serial No. 420,103; published Sept. 26, 1939.
Lenses and shutters. Ilex Optical Company. 373,332; Dec. 5; Serial No. 420,585; published Sept. 26, 1939.
Spectacles and mountings therefor. E. B. Meyrowitz, Inc. 373,345; Dec. 5; Serial No. 420,912; published Sept. 26, 1939.

CLASS 27

Watches, watchcases, watch movements. Gruen Watch Company. 373,431; Dec. 5.

CLASS 28

Necklaces, Imitation-pearl. L. Heller & Son, Inc. 130,071; renewed Apr. 6, 1940.

CLASS 31

Filters, filters for refrigerators, and refrigerators, Air. Brillo Manufacturing Company. 373,308; Dec. 5; Serial No. 418,808; published Sept. 26, 1939.

CLASS 34

Burners and furnaces, Hydrocarbon. Denver Fire Clay Company. 130,172; renewed Apr. 13, 1940.
Condensers for air conditioning devices, Evaporative. Westinghouse Electric & Manufacturing Company. 373,281; Dec. 5; Serial No. 401,410; published June 21, 1938.
Fans, blowers, and humidifiers, Ventilating and circulating. Viking Air Conditioning Corporation. 373,306; Dec. 5; Serial No. 418,698; published Sept. 26, 1939.
Fans, blowers, humidifiers, etc., Ventilating and circulating. Viking Air Conditioning Corporation. 373,312; Dec. 5; Serial No. 419,285; published Sept. 26, 1939.
Filtering panels, Air. Air Maze Corporation. 373,325; Dec. 5; Serial No. 420,354; published Sept. 26, 1939.
Heaters and gas ranges, Gas. Cavalier Corporation. 373,359; Dec. 5; Serial No. 421,301; published Sept. 26, 1939.
Traps, air-valves, and damper-regulators, Return-line. Bishop & Babcock Company. 127,330; renewed Nov. 11, 1939.

CLASS 35

Tires and tubes, Pneumatic. Toledo Tire Corporation. 373,300; Dec. 5; Serial No. 416,672; published Apr. 18, 1939.

CLASS 36

Phonographs. J. P. Seeburg Corporation. 373,399; Dec. 5; Serial No. 422,156; published Sept. 26, 1939.
Pianos, piano-players, and organs. Story & Clark Piano Company. 130,120; renewed Apr. 6, 1940.
String instruments, horns, mouth harmonicas, etc. Colos International Company for Commerce and Industry, Inc. 373,304; Dec. 5; Serial No. 417,957; published Sept. 26, 1939.

CLASS 37

Cards, Filing. Record Card Co. 130,874; renewed May 4, 1940.
Paper, Envelope and printing. Riegel Paper Corporation. 373,380; Dec. 5; Serial No. 421,980; published Sept. 26, 1939.
Paper, Printing and writing. American Writing Paper Company. 128,286; renewed Jan. 6, 1940.
Paper toilet seat covers. A. P. W. Paper Company. 373,397; Dec. 5; Serial No. 422,115; published Sept. 26, 1939.
Pencils, crayon-chalk, crayons, etc., Lead. American Lead Pencil Company. 129,578; renewed Mar. 9, 1940.
Pencils, pens, erasers, etc. American Lead Pencil Company. 373,311; Dec. 5; Serial No. 419,249; published July 4, 1939.
Pens, Steel. T. Hornung. 129,746; renewed Mar. 9, 1940.
Wrappers of cellulose film. Dobeckmun Company. 373,377; Dec. 5; Serial No. 421,967; published Sept. 26, 1939.

CLASS 39

Apparel, Men's wearing. National Shirt Shops of Delaware, Inc. 373,413; Dec. 5.
Articles of clothing. Knox Hat Company. 130,198; renewed Apr. 13, 1940.
Blouses and dresses. Goetz, Krumscheid & Kliban. 373,326; Dec. 5; Serial No. 420,370; published Sept. 12, 1939.
Clothing. Hall, Hartwell & Co. 129,162; renewed Jan. 27, 1940.
Clothing for men, boys, and children. Abraham & Straus, Inc. 373,436–7; Dec. 5.
Coats and suits, Women's and misses'. B. M. Michel, Inc. 373,355; Dec. 5; Serial No. 421,247; published Sept. 5, 1939.
Coats, Ladies'. Lipman & Schlifnam, Inc. 373,338; Dec. 5; Serial No. 420,770; published Sept. 12, 1939.
Coats, Ladies'. Stern-Siegman-Prins Company. 373,310; Dec. 5; Serial No. 419,167; published Sept. 5, 1939.
Coats, scarfs, and jackets, Men's. Schulman & Menzoff. 373,339; Dec. 5; Serial No. 420,782; published Sept. 19, 1939.
Corsets. International Corset Company. 131,142; renewed May 4, 1940.
Dresses. Luckey Style Dress Co. 373,361; Dec. 5; Serial No. 421,384; published Sept. 12, 1939.
Dresses. Rainbow Childrens Dress Co. 373,343; Dec. 5; Serial No. 420,874; published Sept. 12, 1939.
Dresses, Children's. Sears, Roebuck and Co. 373,370; Dec. 5; Serial No. 421,816; published Sept. 26, 1939.
Dresses, coats, suits, etc. Star-Maid Dresses, Inc. 373,424; Dec. 5.
Dresses, frocks, suits, etc. Kaufmann Department Stores, Inc. 373,319; Dec. 5; Serial No. 420,062; published Aug. 15, 1939.
Dresses, gowns, coats, etc. Walton-Pierce Company. 373,425; Dec. 5.
Frocks. Barmon Brothers Company Inc. 373,297; Dec. 5; Serial No. 415,933; published May 2, 1939.
Frocks and dresses. Jos. S. Cohen & Sons Co. 373,351; Dec. 5; Serial No. 421,128; published Sept. 12, 1939.
Garments, Outer. Goodall Company. 373,318; Dec. 5; Serial No. 420,055; published Sept. 5, 1939.
Garments, Work. Crown Overall Manufacturing Company. 373,328; Dec. 5; Serial No. 420,452; published Sept. 19, 1939.
Girdles and brassières. Pauline Gordon, Inc. 373,452; Dec. 5.
Gown, Hospital bed. Helen Moore, Inc. 373,333; Dec. 5; Serial No. 420,594; published Sept. 12, 1939.
Gowns and pajamas, Sleeping. Norday, Inc. 373,357; Dec. 5; Serial No. 421,250; published Sept. 12, 1939.
Hats, Men's and children's. Chas. Tobias Bro. & Co. 130,427; renewed Apr. 20, 1940.
Hosiery. Berkshire Knitting Mills. 373,341; Dec. 5; Serial No. 420,844; published Sept. 5, 1939.

Hosiery. Gastonia Full Fashioned Hosiery Mill, Inc. 373,340; Dec. 5; Serial No. 420,813; published Sept. 12, 1939.
Hosiery. Interwoven Stocking Company. 373,379; Dec. 5; Serial No. 421,971; published Sept. 26, 1939.
Hosiery. Richards, Boggs and King, Inc. 373,342; Dec. 5; Serial No. 420,873; published Sept. 12, 1939.
Hosiery, Ladies'. Jeannette Hosiery Mills, Inc. 373,316; Dec. 5; Serial No. 419,518; published Sept. 12, 1939.
Jackets and parkas for men, Sport. Congress Shirt Company. 373,309; Dec. 5; Serial No. 418,920; published Sept. 12, 1939.
Jackets, Men's and boys'. Allen A Company. 373,317; Dec. 5; Serial No. 419,830; published Sept. 26, 1939.
Neckties, mufflers, hose, etc., Men's. Sambrooks Ltd. of London. 373,445; Dec. 5.
Negligee and dress shirts, pajamas and sportshirts, Men's. Enro Shirt Company. 373,455; Dec. 5.
Nets, Hair. Glemby Company. 373,417; Dec. 5.
Overalls, Corduroy. Marcus Loeb & Company. 373,360; Dec. 5. Serial No. 421,346; published Sept. 12, 1939.
Overalls, work shirts, and work pants. Greensboro Overall Co. 373,336; Dec. 5; Serial No. 420,672; published Sept. 12, 1939.
Shirts and pants. Southern Manufacturing Company. 373,354; Dec. 5; Serial No. 421,207; published Sept. 26, 1939.
Shirts, shorts, slacks, etc., Outer. Wamsutta Mills. 373,331; Dec. 5; Serial No. 420,552; published Sept. 5, 1939.
Shoes. Levcy Brothers Shoe Co. 373,441; Dec. 5.
Shoes. P. Sullivan Shoe Company. 373,414; Dec. 5.
Shoes. S. Weiner. 373,434; Dec. 5.
Shorts, pajamas, and neckties, Men's. Stetson Shirt Co. Inc. 373,438; Dec. 5.
Slips and underwear. Schnur & Cohan, Inc. 373,353; Dec. 5; Serial No. 421,201; published Sept. 12, 1939.
Slips, men and women's aprons, and men's duck service coats, Women's. A. H. Jaffe. 373,322; Dec. 5; Serial No. 420,228; published Sept. 12, 1939.
Suits and articles of beachwear, Bathing. Art-Mor Togs, Inc. 373,279; Dec. 5; Serial No. 387,100; published Apr. 4, 1939.
Suits, and ski jackets and pants, Snow. Sears, Roebuck and Co. 373,358; Dec. 5; Serial No. 421,263; published Sept. 26, 1939.
Suits and overcoats, Men's and women's. A. Sagner & Sons, Inc. 373,334; Dec. 5; Serial No. 420,600; published Sept. 5, 1939.
Suits, coats, pants, etc. Goodimate Company. 373,307; Dec. 5; Serial No. 418,775; published Sept. 12, 1939.
Suits, overcoats, and topcoats. Day Stores, Inc. 373,374; Dec. 5; Serial No. 421,873; published Sept. 26, 1939.
Suits, overcoats, topcoats, etc. Schwabe & May, Inc. 373,348; Dec. 5; Serial No. 421,102; published Sept. 12, 1939.
Suits, sweaters, jackets, etc., Knitted. Touraine Company. 373,347; Dec. 5; Serial No. 421,014; published Sept. 12, 1939.
Sweaters, and knitted suits. L. Isaacson & Sons, Inc. 373,337; Dec. 5; Serial No. 420,677; published Sept. 12, 1939.
Underwear, sweaters, hosiery, etc. Wright's Underwear Company. 373,335; Dec. 5; Serial No. 420,657; published Sept. 19, 1939.
Waists, suits, coats, etc., Shirt. Lorraine Manufacturing Company. 373,320; Dec. 5; Serial No. 420,066; published Sept. 12, 1939.
Wraps, coats, chokes, etc., Fur. E. C. Bein. 373,448; Dec. 5.

CLASS 40

Snap-fasteners. Carr Fastener Company. 127,721; renewed Dec. 2, 1939.

CLASS 42

Blankets, Cotton. Nashua Manufg. Company. 131,195; renewed May 4, 1940.
Blankets, lap-robes, bedspreads, etc. Rice-Stix Dry Goods Company. 128,163; renewed Dec. 23, 1939.
Blankets, sheets, and pillowcases. Hecht Co. 373,409; Dec. 5; Serial No. 422,545; published Sept. 26, 1939.
Cotton duck. Mount Vernon-Woodberry Mills, Incorporated. 127,258; renewed Oct. 28, 1939.
Cotton duck. Mount Vernon-Woodberry Mills, Incorporated. 128,139–40; renewed Dec. 23, 1939.
Cotton piece goods. Pepperell Manufacturing Company. 373,394; Dec. 5; Serial No. 422,070; published Sept. 26, 1939.
Fabrics, Knitted, netted, and textile. Rice-Stix Dry Goods Company. 129,847; renewed Mar. 9, 1940.
Fabrics, Textile. Folker Fabrics, Inc. 373,299; Dec. 5; Serial No. 416,531; published May 2, 1939.
Goods, Piece. Belding Hemingway Company. 373,366; Dec. 5; Serial No. 421,560; published Sept. 26, 1939.
Goods, Piece. Celanese Corporation of America. 373,405; Dec. 5; Serial No. 422,398; published Sept. 26, 1939.
Goods, Piece. Celanese Corporation of America. 373,408; Dec. 5; Serial No. 422,537; published Sept. 26, 1939.
Goods, Piece. Granite Fabrics, Inc. 373,406; Dec. 5; Serial No. 422,443; published Sept. 26, 1939.
Goods, Piece. Solinger & Sons Co. 373,369; Dec. 5; Serial No. 421,623; published Sept. 26, 1939.
Rayon piece goods. S. T. Palay Textile Corporation. 373,315; Dec. 5; Serial No. 419,390; published July 25, 1939.
Rugs and Carpets. Mohawk Carpet Mills, Inc. 373,384; Dec. 5; Serial No. 422,011; published Sept. 26, 1939.
Silk and cotton piece goods and combinations of the same. Turner & Walls. 131,247; renewed May 4, 1940.
Towels and toweling, Bath. Geo. MacArthur and Sons Company. 373,423; Dec. 5.
Woolen and worsted fabrics. Bontany Worsted Mills. 373,402; Dec. 5; Serial No. 422,196; published Sept. 26, 1939.
Woolen and worsted piece goods. A. De Pinna Co. 373,395; Dec. 5; Serial No. 422,089; published Sept. 26, 1939.
Woolen and worsted piece goods. D. W. Farnsworth. 373,392; Dec. 5; Serial No. 422,047; published Sept. 26, 1939.
Woolen goods. Worumbo Manufacturing Company. 130,595; renewed Apr. 27, 1940.

CLASS 43

Yarn. Morell Novelty Company. 373,428; Dec. 5.

Class 44

Contouring and reducing machines, Steam bath cabinets, etc., Body. D. J. Aldrich. 373,410; Lec. 5; Serial No. 422,769; published Sept. 26, 1939.

CLASS 45

Beverages. Jacob Ries Bottling Works, Inc. 130,563; renewed Apr. 27, 1940.
Beverages, and extracts, flavors, etc. S. Twitchell Company. 373,371; Dec. 5; Serial No. 421,824; published Sept. 26, 1939.
Beverages, and syrups and extracts, etc. Edw. H. Gruber. 373,378; Dec. 5; Serial No. 421,968; published Sept. 26, 1939.
Beverages, Bottles of. Feigenson Bros. Co. 373,313; Dec. 5; Serial No. 419,297; published July 11, 1939.
Concentrate for making non-alcoholic beverages. Beverages of America, Inc. 373,288; Dec. 5; Serial No. 410,498; published Nov. 1, 1938.

CLASS 46

Apples, Fresh. Rossmont Farms Corporation. 373,439; Dec. 5.
Bacon. Ohio Provision Co. 373,344; Dec. 5; Serial No. 420,882; published Sept. 26, 1939.
Biscuits. Beech-Nut Packing Company. 373,372; Dec. 5; Serial No. 421,838; published Sept. 26, 1939.
Bread. R. Moore. 373,427; Dec. 5.
Cake and ice cream bar, Combined. Penguin Pie Co. 373,283; Dec. 5; Serial No. 403,734; published Oct. 4, 1939.
Candy. C. C. Mahan. 130,808; renewed May 4, 1940.
Canned and dried fruits. Atkins, Kroll & Co. 373,280; Dec. 5; Serial No. 399,492; published Aug. 23, 1938.
Canned fish. Sea Food Export Corporation of California. 373,376; Dec. 5; Serial No. 421,949; published Sept. 26, 1939.
Canned fish. Westgate Sea Products Co. 373,150; Dec. 5.
Canned goods. Gould, Wells & Blackburn Co. 127,613; renewed Nov. 18, 1939.
Chocolate. Società Anonima Caffarel Prochet. 373,403; Dec. 5; Serial No. 422,228; published Sept. 26, 1939.
Coffee. Duncan Coffee Company. 130,703; renewed May 4, 1940.
Coffee, tea, spices, etc. Arbuckle Brothers. 127,313; renewed Nov. 11, 1939.
Eggs. Great Atlantic & Pacific Tea Company. 373,375; Dec. 5; Serial No. 421,936; published Sept. 26, 1939.
Feed. Flory Milling Company. 373,368; Dec. 5; Serial No. 421,603; published Sept. 26, 1939.
Fillets, Fresh and frozen. Atlantic Coast Fisheries Corporation. 373,350; Dec. 5; Serial No. 421,120; published Sept. 5, 1939.
Flour, Wheat. Robinson Milling Company. 130,230; renewed Apr. 13, 1940.
Flour, Wheat. Robinson Milling Company. 130,894; renewed May 4, 1940.
Flour, Wheat. Sperry Flour Company. 130,412; renewed Apr. 20, 1940.
Food, Dog. Hygrade Food Products Corporation. 373,407; Dec. 5; Serial No. 422,473; published Sept. 26, 1939.
Food, Dog. May Department Stores Company. 373,446; Dec. 5.
Food, Dog and cat. S. Efron. 373,418; Dec. 5.
Food for domestic fowls and animals. General Mills, Inc. 373,287; Dec. 5; Serial No. 410,074; published Sept. 26, 1939.
Foods and ingredients of foods. Borden Company. 130,647; renewed May 4, 1940.
Fruit, Fresh citrus. Highland Mutual Groves, Inc. 373,282; Dec. 5; Serial No. 403,589; published Sept. 26, 1939.
Fruit, Fresh citrus. Lindsay District Orange Company. 373,296; Dec. 5; Serial No. 415,600; published Sept. 26, 1939.

Fruits, Fresh citrus. Lake Reedy Packing Co. 130,532; renewed Apr. 27, 1940.
Ice cream mix. Borden Company. 373,451; Dec. 5.
Lard substitute. Wisconsin Butterine Co. 127,557; renewed Nov. 11, 1939.
Oleomargarin. Wisconsin Butterine Co. 127,556; renewed Nov. 11, 1939.
Pastes, Alimentary. Alfonso Gioia & Sons. 373,404; Dec. 5; Serial No. 422,241; published Sept. 26, 1939.
Pastes, Alimentary. Minnesota Macaroni Company. 373,305; Dec. 5; Serial No. 418,084; published Sept. 26, 1939.
Pickles and sweet relish. Mason, Ehrman & Co. 373,398; Dec. 5; Serial No. 422,142; published Sept. 26, 1939.
Potato sticks and salad dressing. Red Arrow Foods, Inc. 373,298; Dec. 5; Serial No. 416,265; published Sept. 26, 1939.
Sugar, cane molasses, cane sugar syrups, etc., Cane. Central San Ramon, S. A. 373,435; Dec. 5.

CLASS 47

Wines. Juillard-Cockcroft Corporation. 373,365; Dec. 5; Serial No. 421,518; published Sept. 26, 1939.

CLASS 48

Beer, ale, and stout. V. Loewer's Gambrinus Brewery Co. 373,286; Dec. 5; Serial No. 409,404; published Sept. 26, 1939.

CLASS 49

Whiskey. Liquor Dealers Supply Co. 373,373; Dec. 5; Serial No. 421,852; published Sept. 26, 1939.
Whiskey. Old Spring Distilling Company. 373,456; Dec. 5.
Whiskey, Gin, rum, etc. Dant & Head Distilling Company. 373,390–1; Dec. 5; Serial Nos. 422,042–3; published Sept. 26, 1939.
Whiskey, Scotch. Macdonald & Muir, Limited. 373,291; Dec. 5; Serial No. 412,036; published July 4, 1939.
Feeders, poultry waterers, poultry brooders, etc., Poultry. Cyclone Manufacturing Co. 373,292; Dec. 5; Serial No. 412,125; published Dec. 27, 1938.
Felt. Felters Company. 373,367; Dec. 5; Serial No. 421,602; published Sept. 26, 1939.
Statuettes and figures, Ceramic. Walt Disney Productions. 373,396; Dec. 5; Serial No. 422,090; published Sept. 26, 1939.

LIST OF LABELS

Body Building Herb Tea. For a Vegetable Compound Regulative Tea. N. Jones. 53,990; Dec. 5.
Certified Ratings. For Centrifugal and Axial Fans. Propeller Fan Manufacturers Association. 53,995; Dec. 5.
Cruise-Aid. For Sportswear. Shepherd Knitwear Company. 53,998; Dec. 5.
Dugan Tested Eggs. For Eggs. Dugan Poultry Farm. 53,984; Dec. 5.
Family Special Bread. For Bread. Rapinwax Paper Company. 53,996; Dec. 5.
Glassteel. For Enameled Ware. Columbian Enameling & Stamping Co. 53,981; Dec. 5.
Gold Seal Bread. For Whole Wheat Bread. Rapinwax Paper Company. 53,997; Dec. 5.
Grayflex Footwear. For Cartons. Bird & Son, Inc. 53,978; Dec. 5.
Gynease. For Suppositories. Wood & Champaine. 53,999; Dec. 5.
Haz-A-Wear Trim & Trellis Green. For Trim and Trellis Green Paint. Hazard Lead Works, Inc. 53,985; Dec. 5.
Larsen's Freshlike Salad Vegetables, Vacuum Packed. For Canned Salad Vegetables. Larsen Company. 53,991; Dec. 5.
Little Chief. For Asparagus Cuts and Tips. Hoopeston Canning Co. 53,986; Dec. 5.
Little Chief. For Country Gentleman Cream Style Corn. Hoopeston Canning Co. 53,987; Dec. 5.
Little Chief. For Country Gentleman Whole Kernel Corn. Hoopeston Canning Co. 53,988; Dec. 5.
Little Chief. For Golden Bantam Cream Style Corn. Hoopeston Canning Co. 53,989; Dec. 5.
Mead's Powdered Lactic Acid Milk Half Skim. For Homogenized, Spray-Dried Mixture of Approximately Equal Parts of Skim Milk and Whole Milk, Acidified with Lactic Acid. Mead Johnson & Company. 53,992; Dec. 5.
Nor'Way Anti-Freeze Filler-Upper. For an Anti-Freeze Composition. Commercial Solventa Corporation. 53,982; Dec. 5.
Pak-Rite. For Waxed Paper. Cellulose & Paper Converting Co. 53,979; Dec. 5.
Perrine's Sun-Ray Brand. For Pickles. I. D. Perrine & Sons. 53,994; Dec. 5.
Pronto Unguento Vaporizado. For a Vaporizing Chest Rub. Cunningham Drug Co. 53,983; Dec. 5.
Spork. For Canned All Pork Meat. Clover Farm Stores Corporation. 53,980; Dec. 5.
Your 'Neck's' Best Friend New Era Shirts With Line-Fold Collar. For Shirts. New Era Shirt Company. 53,993; Dec. 5.

LIST OF PRINTS

At Ease. For Men's Clothing. Weber and Heilbroner, Inc. 17,751; Dec. 5.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Boswau, Hans P., Lorain, Ohio, assignor to The North Electric Mfg. Company. Supervisory control system. Re. 21,284; Dec. 5.
Desagnat, Gaston, Paris, France. Decorative wall covering. Re. 21,285; Dec. 5.
Detroit Lubricator Company. (See Foulds, Andrew K., assignor.)
Foulds, Andrew K., Grosse Pointe Park, assignor to Detroit Lubricator Company, Detroit, Mich. Control means. Re. 21,286; Dec. 5.
Jonas, Frank D., East Williston, assignor to Oxford Filing Supply Co., Brooklyn, N. Y. Filing container. Re. 21,287; Dec. 5.
North Electric Mfg. Company, The. (See Boswau, Hans P., assignor.)
Novotny, Anton, Detroit, Mich., assignor, by mesne assignments, to Standard-Knapp Corporation, Long Island City, N. Y. Packing machine. Re. 21,288; Dec. 5.
Orr, John A., Chicago, Ill. Grass cutter and hedge trimmer. Re. 21,289; Dec. 5.
Oxford Filing Supply Co. (See Jonas, Frank D., assignor.)
Standard-Knapp Corporation. (See Novotny, Anton, assignor.)

LIST OF DESIGN PATENTEES

American Coach and Body Company, The. (See Eckman, Meril L., assignor.)
American-National Company, The. (See Lewinski, George, assignor.)
American Seating Company. (See Bond, Willard H., Jr., assignor.)
Arens, Egmont, assignor to The Nestle-Lemur Company, New York, N. Y. Hair drier or similar article. 117,942; Dec. 5.
Bahr, Gustave F., assignor to Casco Products Corporation, Bridgeport, Conn. Grille guard. 117,943; Dec. 5.
Baker & Company. (See Kiepe, Henry R., assignor.)
Beaver Pipe Tools, Inc. (See Pealer, Robert B., assignor.)
Bel Geddes, Norman, New York, N. Y., assignor to Majestic Radio and Television Corporation, Dover, Del. Radio cabinet. 117,966; Dec. 5.
Beltram, Quirino, Newark, N. J. Meat tenderer. 117,967; Dec. 5.
Berman, Harry, New York, N. Y. Evening gown. 117,968; Dec. 5.
Bienemann, Raymond D., assignor to Security Manufacturing and Contracting Company, Burlington, Wis. Faucet for drawing liquid from sealed containers. 117,892; Dec. 5.
Bodkin, Irving S., New York, N. Y. Razor blade receptacle or similar article. 117,917; Dec. 5.
Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair. 117,987; Dec. 5.
Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair. 117,988; Dec. 5.
Bonnell, William L., Columbus, Ohio. Corner molding or similar article. 117,893; Dec. 5.
Bourke, Robert E., Jr., assignor to Sears, Roebuck and Co., Chicago, Ill. Hair clipper. 117,944; Dec. 5.
Bowser, S. F., & Company. (See Novotny, Joseph, assignor.)
Boysen, George M., Philadelphia, Pa. Lace. 117,969; Dec. 5.
Boysen, George M., Philadelphia, Pa. Lace. 117,970; Dec. 5.
Bratrud, Ludwig J. (See Stark, Arvid, assignor.)
Brodick, Benjamin, New York, N. Y. Tapping slipper. 117,918; Dec. 5.
Brownstein, Henry J., Chicago, Ill. Liquid applicator. 117,894; Dec. 5.
Bruce, Leo L., Framingham, Mass., assignor to Warren Telechron Company. Clock case. 117,895; Dec. 5.
Bruce, Leo L., Framingham, Mass., assignor to Warren Telechron Company. Clock case. 117,896; Dec. 5.
Bruce, Leo L., Framingham, Mass., assignor to Warren Telechron Company. Clock case. 117,897; Dec. 5.
Cadous, Esther, New York, N. Y. Slip. 117,945; Dec. 5.
Caestecker, Charles E., Chicago, Ill. Hood for electric lamps. 117,919; Dec. 5.
Cameron, Gordon K., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Dental lathe. 117,989; Dec. 5.
Carawan, Ashley, Chicago, Ill. Hair dyeing tray. 117,898; Dec. 5.
Casco Products Corporation. (See Bahr, Gustave F., assignor.)
Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)
Chicago Thrift Company. (See Prince, Arthur C., assignor.)
Connor, James E., et al. (See Forman, Mark K., assignor.)
Corning Glass Works. (See Pascucci, Emilio, assignor.)
Criddle, Edward S., Franklin, Tenn. Range. 117,946; Dec. 5.
Dawer, Sigmund, New York, N. Y. Handbag. 117,947; Dec. 5.
Eckman, Meril L., assignor to The American Coach and Body Company, Cleveland, Ohio. Transformer casing. 117,971; Dec. 5.
Fallmezger, Eugene A., De Witt, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Dust collecting apparatus. 117,972; Dec. 5.
Forman, Mark K., assignor of one-third to J. E. Connor, and one-third to J. J. Sullivan, Worcester, Mass. Foot stool or similar article. 117,948; Dec. 5.
Fox, Leslie. (See Kooluris, S. G., and Fox.)
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered trimming. 117,920; Dec. 5.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or similar article. 117,921; Dec. 5.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered trimming or similar article. 117,973; Dec. 5.
General Time Instruments Corporation. (See Schlenker, Max, assignor.)
Ginsburg, Robert, New York, N. Y. Dress. 117,990; Dec. 5.
Ginsburg, Robert, New York, N. Y. Dress ensemble. 117,991; Dec. 5.
Ginsburg, Robert, New York, N. Y. Dress. 117,995; Dec. 5.
Ginsburg, Robert, New York, N. Y. Dress. 117,996; Dec. 5.
Glenshaw Glass Company. (See Meyer, Albert C., assignor.)
Gluck, Fred, New York, N. Y. Knitted shoe or similar article. 117,922; Dec. 5.
Gluck, Fred, New York, N. Y. Knitted shoe or similar article. 117,923; Dec. 5.
Golden, Ira J., Searcy, Ark. Stove. 117,949; Dec. 5.
Gooding, Chester B., Wakefield, Mass. Combination desk unit. 117,899; Dec. 5.
Gruensfelder, Rose, St. Louis, Mo. Shoe. 117,950; Dec. 5.
Haffen, Douglas J., Minneapolis, Minn. Game board. 117,951; Dec. 5.
Haggstrom, Arthur C., Rockford, assignor to R. T. Moloney, Chicago, Ill. Vending machine. 117,952; Dec. 5.
Hanson Scale Company. (See Hanssen, Stan L., assignor.)
Hanssen, Stan L., assignor to Hanson Scale Company, Chicago, Ill. Scale. 117,900; Dec. 5.
Hathaway, Herbert. (See Manchester, W. S., and Hathaway.)
Henderson, Bancroft W., Montclair, N. J. Animal boot. 118,006; Dec. 5.
Hirsch, Rudolph, North Bergen, assignor to The Reiss-Premier Corporation, West New York, N. J. Mouthpiece for smoking pipes, cigarette holders, or similar articles. 117,975; Dec. 5.
Hoffman, Bernard J., Jr., Forest Hills, Long Island, N. Y. Bathing suit or similar article. 117,976; Dec. 5.
Hoffmann, Edward C., University City, Mo. Pencil sharpener. 117,901; Dec. 5.
Hutt, George A. (See Hutt, Robert J. and G. A.)
Hutt, Robert J. and G. A., Brooklyn, N. Y. Doily. 117,977; Dec. 5.
Johnsen, William H., Dallas, Tex. Light indicator for headlights. 117,992; Dec. 5.
Joyce, Isabelle Z., assignor to Spaulding-Gorham, Inc., Chicago, Ill. Brooch or similar article of jewelry. 117,924; Dec. 5.
Jubilee Manufacturing Company. (See Watson, Max, assignor.)

Kahn, Leo L., New York, N. Y. Lace. 117,953; Dec. 5.
Kaplan, Michael B., New York, N. Y. Puffed and embroidered textile fabric. 117,974; Dec. 5.
Kaplan, Michael B., New York, N. Y. Tucked textile fabric. 117,997; Dec. 5.
Kaplan, Michael B., New York, N. Y. Tucked textile fabric. 117,998; Dec. 5.
Kaplan, Michael B., New York, N. Y. Tucked textile fabric. 117,999; Dec. 5.
Karoff, Robert B., New York, N. Y. Combined perfume bottle and holder therefor. 117,978; Dec. 5.
Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)
Kiepe, Henry R., assignor to Baker & Company, Inc., Newark, N. J. Jewelry setting or similar article. 117,902; Dec. 5.
Kooluris, Spero G., Newark, and L. Fox, Cedar Grove, N. J. Clock. 117,903; Dec. 5.
Körmendy, Leo, Detroit, Mich. Finger guard, for slicing vegetables, meats, or the like. 117,904; Dec. 5.
Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Velocipede. 117,905; Dec. 5.
Kushman, Louis, New York, N. Y. Dress. 117,979; Dec. 5.
Leff, Jacques H., New York, N. Y. Pin clip. 117,925; Dec. 5.
Leff, Jacques H., New York, N. Y. Pin clip. 117,926; Dec. 5.
Leff, Jacques H., New York, N. Y. Pin clip. 117,927; Dec. 5.
Leff, Jacques H., New York, N. Y. Pin clip. 117,928; Dec. 5.
Leff, Jacques H., New York, N. Y. Pin clip. 117,929; Dec. 5.
Levine, Abraham, Elizabeth, N. J. Lock for luggage cases or the like. 117,954; Dec. 5.
Levine, Abraham, Elizabeth, N. J. Lock for luggage cases or the like. 117,955; Dec. 5.
Lewinski, George, assignor to The American-National Company, Toledo, Ohio. Tricycle. 117,906; Dec. 5.
Lewinski, George, assignor to The American-National Company, Toledo, Ohio. Tricycle. 117,930; Dec. 5.
Lippert, Morris, Brooklyn, N. Y. Slipper. 117,931; Dec. 5.
Lobel, Rudolph, New York, N. Y. Handbag. 117,932; Dec. 5.
Mahler, Simon, New York, N. Y. Dress. 118,000; Dec. 5.
Mahler, Simon, New York, N. Y. Dress. 118,001; Dec. 5.
Majestic Radio and Television Corporation. (See Bel Geddes, Norman, assignor.)
Manchester, Winfield S., Newton Center, and H. Hathaway, Medford, Mass., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Combined paint brush and scraper. 117,933; Dec. 5.
Maresca, Frank, New York, N. Y. Display refrigerator. 117,956; Dec. 5.
Martin, Michael A., Erie, Pa. Beverage cooling cabinet or similar article. 117,907; Dec. 5.
Meyer, Albert C., assignor to Glenshaw Glass Company, Glenshaw, Pa. Glass bottle. 117,980; Dec. 5.
Moloney, Raymond T. (See Haggstrom, Arthur C., assignor.)
Morgan, John R., Oak Park, Ill., assignor to Sunbeam Electric Manufacturing Co., Evansville, Ind. Door handle. 117,908; Dec. 5.
Murray-Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)
Nestle-Lemur Company, The. (See Arens, Egmont, assignor.)
Novotny, Joseph, assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Dry cleaning machine cabinet. 117,957; Dec. 5.
Olean Glass Company. (See Smith, George, Jr., assignor.)
Pascucci, Emilio, assignor to Corning Glass Works, Corning, N. Y. Fresnel lens or similar article. 117,934; Dec. 5.
Pealer, Robert B., Parkman, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Electric power drive unit for use with hand cutting tools. 117,981; Dec. 5.
Pharis Tire and Rubber Company, The. (See Van Veen, George C., assignor.)
Prentice, James M., Holyoke, Mass. Game board. 117,958; Dec. 5.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric washing machine. 117,959; Dec. 5.
Prince, Arthur C., assignor to Chicago Thrift Company, Chicago, Ill. Toy bank. 117,935; Dec. 5.
Reggie, Christy, Queens Village, N. Y. Shoe last. 117,909; Dec. 5.
Reiss-Premier Corporation, The. (See Hirsch, Rudolph, assignor.)
Ritter Dental Manufacturing Company. (See Cameron, Gordon K., assignor.)
Roller, Robert, Haddonfield, N. J. Combination kitchen tool. 117,910; Dec. 5.
Rosener, Jane, New York, N. Y. Dress. 117,982; Dec. 5.
Rost, Katheryn, New York, N. Y. Dress. 117,993; Dec. 5.
Rutten, Peter, Plainfield, Ill. Silo lug. 117,960; Dec. 5.
Sacksteder, Overton, Jr., Muncie, Ind. Lamp shade. 117,911; Dec. 5.
Schlenker, Max, Peru, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Clock casing. 117,912; Dec. 5.
Sears, Roebuck and Co. (See Bourke, Robert E., Jr., assignor.)
Security Manufacturing and Contracting Company. (See Bienemann, Raymond D., assignor.)
Sherwin-Williams Company, The. (See Manchester, W. S., and Hathaway, assignors.)
Sholtz, Leo, New York, N. Y. Shoe or similar article. 117,936; Dec. 5.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 117,937; Dec. 5.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 117,938; Dec. 5.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 117,939; Dec. 5.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 117,961; Dec. 5.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 117,962; Dec. 5.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 117,963; Dec. 5.
Skolnick, William, New York, N. Y. Dress. 118,002; Dec. 5.
Smith, George, Jr., assignor to Olean Glass Company, Olean, N. Y. Bottle. 117,983; Dec. 5.
Smith, Thomas E., New York, N. Y., assignor to Swan Eng. Co., Inc., Newark, N. J. Chair. 117,964; Dec. 5.
Sobel, Samuel, New York, N. Y. Display stand for hosiery. 117,913; Dec. 5.
Spaulding-Gorham, Inc. (See Joyce, Isabelle Z., assignor.)
Staines, Samuel E., Allendale, N. J. Textile fabric. 118,003; Dec. 5.
Stark, Arvid, assignor to L. J. Bratrud, Minneapolis, Minn. Sickle mower. 117,965; Dec. 5.
Sullivan, John J., et al. (See Forman, Mark K., assignor.)
Sunbeam Electric Manufacturing Co. (See Morgan, John R., assignor.)
Swan Eng. Co. (See Smith, Thomas E., assignor.)
Tillman, Abe, New York, N. Y. Woven textile fabric. 117,984; Dec. 5.
Tillman, Abe, New York, N. Y. Textile fabric. 118,004; Dec. 5.
Tint, Mollie, New York, N. Y. Dress. 118,005; Dec. 5.
United States Hoffman Machinery Corporation. (See Failmezger, Eugene A., assignor.)
Vaccaro, Mrs. Steven L., Jr., administratrix. (See Vaccaro, Steven L., Jr.)
Vaccaro, Steven L., Jr., deceased, New Orleans, La.; Mrs. S. L. Vaccaro, Jr., administratix. Vehicle body. 117,985; Dec. 5.
Van Veen, George C., Chicago, Ill., assignor to The Pharis Tire and Rubber Company, Newark, Ohio. Tire construction display unit. 117,914; Dec. 5.
Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)
Warren Telechron Company. (See Bruce, Leo I., assignor.)
Warren Telechron Company. (See Williams, Findley, assignor.)
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 117,940; Dec. 5.
Watson, Max, assignor to Jubilee Manufacturing Company, Omaha, Nebr. Display stand for automobile horns. 117,915; Dec. 5.
Weiss, Albert S., Cleveland, Ohio. Box or similar article. 117,986; Dec. 5.
Williams, Findley, Park Ridge, Ill., assignor to Warren Telechron Company, Ashland, Mass. Clock case. 117,916; Dec. 5.
Withey, John M., Howell, Mich. Fish bait. 117,941; Dec. 5.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Food preparing and serving implement or similar article. 117,994; Dec. 5.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Achen, Chris, and W. Poppler, Zurich, Mont. Attachment for cultivators. 2,182,270; Dec. 5.
Ackerman, Chester W., Broadview Heights, Ohio. Mechanical wheel-blocking device for vehicles. 2,182,044; Dec. 5.
Adair, Alonzo D., Wharton, Tex. Testing apparatus. 2,182,368; Dec. 5.
Adkinson, Allen, U. S. Marine Corps. Shielding and current conducting assembly. 2,181,860; Dec. 5.
Agfa Ansco Corporation. (See Gantnier, Frank J., assignor.)
Agfa Ansco Corporation. (See Goldacker, P., Maiser, and Schmitz-Hillebrecht, assignors.)
Afga Ansco Corporation. (See Kleine, J., and Wilmanns, assignors.)
Aitchison, Thomas C. (See Eby, E. D., and Aitchison.)
Ajax Electrothermic Corporation. (See Kennedy, Theodore R., assignor.)
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Valve stem grinding fixture. 2,182,191; Dec. 5.
Alburger, James R., Merion, Pa., assignor to Radio Corporation of America. Photographic developer. 2,181,861; Dec. 5.
Alco Valve Company. (See Anderson, E. L., and Engalitcheff, assignors.)
Alden, Milton, Brockton, Mass. Tube shield. 2,182,607; Dec. 5.
Aldworth, Edward L., Grand Rapids, Mich. Thermostatic control. 2,181,957; Dec. 5.
Allan, Benjamin W., and L'R. G. Bousquet, assignors to American Zirconium Corporation, Baltimore, Md. Making titanium dioxide. 2,182,420; Dec. 5.
Altenberg, Alfons A. (See Handy, R. G., Seymour, and Altenburg.)
Aluminum Company of America. (See Heiser, Harold W., assignor.)
American Bemberg Corporation. (See Frowein, K., Bauiedel, and Elsaesser, assignors.)
American Brass Novelty Company. (See Kuhnle, Frederick C., assignor.)
American Cyanamid Company. (See Pope, Frederick, assignor.)
American Distilling Company, The. (See Eaton, Cyrus D., assignor.)
American Electric Furnace Company. (See Juthe, Kristian A., assignor.)
American Machine and Metals, Inc. (See Miller, Edward L., assignor.)
American Machine and Metals, Inc. (See Miller, E. L., and Bryson, assignors.)
American Rolling Mill Company, The. (See Schlup, Ernest G., assignor.)
American Smelting & Refining Company. (See Fleming, E. P., and Perkins, assignors.)
American Steel Foundries. (See Light, D. M., assignor.)
American Zirconium Corporation. (See Allan, B. W., and Bousquet, assignors.)
Ames, James G., Aurora, assignor to Autogas Corporation, Chicago, Ill. Venting means for ranges or the like. 2,182,106; Dec. 5.
Amon, Joseph, Clark, N. J. Yarn moistening apparatus. 2,182,573; Dec. 5.
Anchilowitz, Max, New York, N. Y. Lifting mechanism for skylights and the like. 2,182,574; Dec. 5.
Anderson, Carl O. (See Doenecke, H. W., Douglass, and Anderson.)
Anderson, Edward L., Grosse Ile, Mich., and J. Engalitcheff, Jr., Dayton, Ohio, assignors, by mesne assignments, to Alco Valve Company, Inc., St. Louis, Mo. Refrigerating apparatus. 2,182,718; Dec. 5.
Anderson, John A., Oympia Fields, assignor to Standard Oil Company, Chicago, Ill. Polymerization of olefins. 2,182,512; Dec. 5.
Anderson, John F., Oakland, Calif. Automobile draft shield. 2,182,107; Dec. 5.
Anderson, Martin E. (See Fallon, John T., assignor.)
Anderson, Oscar M., assignor to Landers Frary & Clark. New Britain, Conn. Refrigerator apparatus. 2,181,858; Dec. 5.
Anderson-Stolz Corporation. (See Nason, Howard K., assignor.)
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Paper holding and feeding apparatus for computing machines. 2,182,108; Dec. 5.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Ink ribbon guide for business machines. 2,182,109; Dec. 5.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting machine. 2,182,110; Dec. 5.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Speed governor for electric motors. 2,182,111; Dec. 5.
Andrieu, Robert, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Sawtooth wave generator. 2,182,608; Dec. 5.
Arace, Thomas R., Irvington, N. J., assignor of one-half to A. Sherri, New York, N. Y. Dress and lip protector. 2,181,986; Dec. 5.
Arborio, John, Poughkeepsie, N. Y. Form for molding concrete pipes. 2,181,958; Dec. 5.
Arborio, John, Poughkeepsie, N. Y. Making perforated concrete pipes. 2,181,959; Dec. 5.
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine. 2,182,421; Dec. 5.
Armour and Company. (See Coyner, James M., assignor.)
Armour and Company. (See Potts, R. H., and Colt, assignors.)
Armour and Company. (See Ralston, A. W., and Selby, assignors.)
Armstrong, Fullerton G. G., Beverley, England. Hydraulic shock absorber and the like damping means. 2,182,271; Dec. 5.
Armstrong, Fullerton G. G., Beverley, England. Hydraulic shock absorber and the like damping means. 2,182,272; Dec. 5.
Arrow-Hart & Hegeman Electric Company, The. (See Yeske, Louis A.)
Ashley, Erle G., Memphis, Tenn. Paper shredder. 2,182,219; Dec. 5.
Associated Electric Laboratories, Inc. (See Herrick, Roswell H., assignor.)
Associated Press, The. (See Carlson, Harold, assignor.)
Astatic Microphone Laboratory, Inc. (See Semple, C. E., Jr., and Malat, assignors.)
Atkins, Harry F., Old Fletton, Peterborough, England. Milling machine for copying or profiling. 2,182,331; Dec. 5.
Atlantic Refining Company, The. (See Woodcock, Charles H., assignor.)
Autogas Corporation. (See Ames, James G., assignor.)
Automotive Products Company Limited. (See Beeston, John P., assignor.)
B. B. Chemical Co. (See Griswold, Stainley M., assignor.)
Babcock & Wilcox Tube Company, The. (See Newell, Harold D., assignor.)
Babineau, Raymond. (See Muller, Oscar, assignor.)
Bäckström, Sigurd M., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigerator. 2,182,273; Dec. 5.
Bacon, Elbridge F., Flint, assignor to General Motors Corporation, Detroit, Mich. Electric gauge. 2,181,960; Dec. 5.
Baer, Howard, Jersey City, assignor to Eclipse Aviation Corporation, East Orange, N. J. Automatic control for deicing mechanism. 2,182,530; Dec. 5.
Bailey, David C., Amesbury, Mass. Weather strip. 2,182,687; Dec. 5.
Baird, Albert W., Elizabeth, N. J., and F. G. Outcalt, New Rochelle, N. Y., assignors to The Linde Air Products Company. Electric welding apparatus. 2,182,575; Dec. 5.
Baird Machine Company, The. (See Bunnell, Earl C., assignor.)
Baker, George M., Fresno, Calif. Collapsible tube. 2,182,243; Dec. 5.
Baker, Louis S., Parlin, N. J., and G. L. Schwartz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of cellulose pellets. 2,182,274; Dec. 5.
Baker, Walter J., West Somerville, and C. J. H. Perry, North Quincy, assignors to Boston Woven Hose & Rubber Company, Cambridge, Mass. Vulcanizing machine. 2,181,859; Dec. 5.
Ball and Ball Carburetor Company. (See Ball, Frederick O. and T. M., assignors.)
Ball, Cornelia M., executrix. (See Ball, Frederick O. and T. M.)
Ball, Frederick O., deceased; C. M. Ball, executrix, and T. M. Ball, Detroit, Mich., assignors to Ball and Ball Carburetor Company. Carburetor. 2,182,393; Dec. 5.
Ball, Joseph A., and W. C. Hoch, Los Angeles, Calif., assignors to Technicolor Motion Picture Corporation, Boston, Mass. Dividing polarized light beams. 2,182,142; Dec. 5.

Ball, Thomas M. (See Ball Frederick O. and T. M.)
Ballard, Julius. (See Nightenhelser, B., and Ballard.)
Bancroft, Joseph C., New York, N. Y. Casement window ventilator. 2,182,576; Dec. 5.
Barber Asphalt Corporation. (See Hayden, H. P., and Schweyer, assignors.)
Barr, Byron, University City, Mo. Cotter pin. 2,182,462; Dec. 5.
Barrett Bindery Co., The. (See Ericson, E. W., and Brauer, assignors.)
Barron, Charles. (See Ogsbury, S. C., Barron, and Park.)
Barron, Christopher T., Salem, N. H. Baseball projecting apparatus. 2,182,369; Dec. 5.
Barry, Edward J. (See Schaeffer, Albert F., assignor.)
Barsky, George, New York, N. Y., assignor to Wecoline Products, Inc., Boonton, N. J. Reconstructing glyceride oils. 2,182,332; Dec. 5.
Barton, Frank. (See Bray, W. N., and Barton.)
Bash, Charles W., Kansas City, Kans. Gate hinge. 2,182,548; Dec. 5.
Bauriedel, Gotthard. (See Frowein, K., Bauriedel, and Elsaesser.)
Baynes, Frederick A., Buffalo, N. Y. Gas burner. 2,181,862; Dec. 5.
Beall, Frank H., Maplewood, N. J. Chromium plating. 2,182,244; Dec. 5.
Beard, Roy A., Oaktown, Ind. Game. 2,182,531; Dec. 5.
Beaver, Charles J., and T. J. Fairfield, Bowdon, assignors to W. T. Glover and Company Limited, Manchester, England. Apparatus for extruding metal. 2,181,987; Dec. 5.
Becker, Frank V., Drexel Hill, Pa. Variable attenuation or gain control system. 2,182,192; Dec. 5.
Becker, Walter, Newark, N. J. Marble game. 2,182,577; Dec. 5.
Beddoes, Hubert, assignor to Pacific Flush Tank Company, Chicago, Ill. Rotary distributor for sewage treatment systems. 2,181,932; Dec. 5.
Beeston, John P., assignor to Automotive Products Company Limited, London, England. Liquid pressure braking system for vehicles. 2,182,463; Dec. 5.
Behnke, Max O., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,182,307; Dec. 5.
Bell, Eddie, Jacksonville, Fla. Apparatus for destroying and removing marine growths which impede navigation. 2,181,863; Dec. 5.
Bell, Edward B., Lowell, Mass., assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Waterproofing fibrous material. 2,182,045; Dec. 5.
Bell, Harry H., Sr. (See Rainwater, Jesse M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Black, Knox C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Elmer, Lloyd A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Green, Estill I., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hearn, Richard B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Peterson, Liss C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Windeler, Alfred S., assignor.)
Bendix Home Appliances, Inc. (See Bowen, Herbert C., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)
Bentz, George B., Bronx, N. Y. Pedicure accessory for bathtubs. 2,182,532; Dec. 5.
Berglund, Emil, et al. (See Nilson, Harold, assignor.)
Bergmann, Armin. (See Kotz, F., and Bergmann.)
Berndt, Franz. (See Mengeringhausen, E., and Berndt.)
Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Glassware takeout and fire-finishing device. 2,182,166; Dec. 5.
Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for cooling glassware. 2,182,167; Dec. 5.
Bertogliat, Dominic. (See Rembert, E. W., and Bertogliat.)
Bethenod, Joseph, assignor to Société Anonyme pour les Applications de l'Electricite et des Gaz Rares, Etablissements Claude-Paz & Silva, Paris, France. Device for starting and feeding electric discharge tubes. 2,182,609; Dec. 5.
Betts, Harold C. (See Lang, O. W., and Betts.)
Bierer, John M., Waban, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Vulcanizing machine. 2,182,168; Dec. 5.
Bierer, John M., Waban, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Belting splice and method. 2,182,169; Dec. 5.
Billig, Kurt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing cyclic acetals of formaldehyde. 2,182,754; Dec. 5.
Bingham, Lawrence H., Bayside, N. Y. Controlling air conduits. 2,181,961; Dec. 5.
Biolite Incorporated. (See Rosenblatt, Philip, assignor.)
Birch, Arthur. (See Bolton, J. F., and Birch.)
Bitzer, Gottlob, Lincoln Park, assignor to Textile Machine Works, Wyomissing, Pa. Universal movement control for point mechanism of flat knitting machines. 2,182,220; Dec. 5.
Bjerre, Peder. (See Johnston, H. M., and Bjerre.)
Bjorksten, Johan, Chicago, and W. Hoskins, Jr., La Grange, assignors to Ditto, Incorporated, Chicago, Ill. Hectograph blanket having a duplicating surface covered with a non-adhesive film. 2,181,864; Dec. 5.
Black, Knox C., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multigrid tube amplifier. 2,181,865; Dec. 5.
Blackstone, Selwyn R., Milwaukee, Wis. Coin packer. 2,182,464; Dec. 5.
Blaschke, Emil, Berlin-Tegel, Germany. Process and device for cutting fibers in rope form, especially synthetic fibers. 2,182,193; Dec. 5.
Blau, Albert S., Detroit, Mich. Watch mounting. 2,182,194; Dec. 5.
Blaw-Knox Company. (See Venable, William M.)
Block, Louis, and C. S. King, assignors to Blockson Chemical Co., Joliet, Ill. Manufacture of mono-calcium phosphate. 2,181,933; Dec. 5.
Blockson Chemical Co. (See Block, L., and King, assignors.)
Blonkvist, Brent G., Pampa, Tex. Combination rear vision mirror and sign. 2,182,275; Dec. 5.
Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Apparatus for honing. 2,182,276; Dec. 5.
Blount, Edgar R., Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y. Duplex surface godet and spinning apparatus. 2,181,934; Dec. 5.
Blumlein, Alan D., and J. D. McGee, Ealing, London, assignors to Electic & Musical Industries Limited, Hayes, Middlesex, England. Television transmitting system. 2,182,578; Dec. 5.
Boggero, Louis, New York, and R. Broder, Brooklyn, N. Y. Ball fringe braid. 2,182,653; Dec. 5.
Bolesky, William F., W. Waleke, and J. A. Lutz, Detroit, assignors of fifty-one per cent to said Lutz, twenty-four and one-half per cent to said Bolesky, and twenty-four and one-half per cent to said Waleke. Porous metal article and making same. 2,182,741; Dec. 5.
Bolidens Gruvaktiebolag. (See Malmqvist, Johan D., assignor.)
Bollinger, Paul, Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Split throw armature winding. 2,182,654; Dec. 5.
Bolton, John F., and A. Birch, Bolton, England. Flexible supporting connection. 2,182,579; Dec. 5.
Bond, William C., Washington, D. C. Library bookstack. 2,182,422; Dec. 5.
Boor, Laurence M., Tadworth, assignor to Gravity Ladders Limited, London, England. Collapsible ladder. 2,182,277; Dec. 5.
Booth, Ernest, assignor to The Keelavite Company Limited, Allesley, Coventry, England. Rotary fluid pressure engine and the like. 2,182,719; Dec. 5.
Booth, Lionel E., Salt Lake City, Utah. Aerating machine. 2,182,442; Dec. 5.
Booth, Melville B., assignor to The Keelavite Company Limited, Allesley, Coventry, England. Rotary engine. 2,181,962; Dec. 5.
Borg-Warner Corporation. (See Caldwell, Stuart H., assignor.)
Bornstein, Ira I., Kansas City, Mo. Device for measuring beer in a barrel. 2,182,195; Dec. 5.
Boston Wire Stitcher Company. (See Maynard, A. H., and Gambao, assignors.)
Boston Woven Hose & Rubber Company. (See Baker, W. J., and Perry, assignors.)
Boston Woven Hose & Rubber Company. (See Bierer, John M., assignor.)
Boston Woven Hose & Rubber Company. (See Knowland, Thomas M., assignor.)
Bousquet, L'Roche G. (See Allan, B. W., and Bousquet, assignors.)
Bowen, George W., Houston, Tex. Mechanical ram. 2,182,245; Dec. 5.
Bowen, Herbert C., assignor to Bendix Home Appliances, Inc., Detroit, Mich. Washing and dry cleaning machine. 2,182,655; Dec. 5.
Bowman, Reginald G., Gary, Ind., assignor to Traughber Engineering Co. Spray tower. 2,182,533; Dec. 5.
Boyer, Tanner E., Bell, and L. P. Stockman, Los Angeles, Calif. Packing gland mounting. 2,182,246; Dec. 5.
Bracke, Robert F., Chicago, Ill. Carburetor. 2,182,580; Dec. 5.
Brandt, Edgar W., Paris, France, assignor to Sageb Société Anonyme de Gestion et d' Exploitation de Brevets, Fribourg, Switzerland. Piece of ordnance. 2,182,010; Dec. 5.
Brandt, Hermann, assignor to Siemens Apparate und Maschinen Geselischaft mit beschränkter Haftung, Berlin, Germany. Gyroscope. 2,182,534; Dec. 5.
Brass, Ehme, Lennox, S. Dak. Wood case and fastener for the covers thereof. 2,182,112; Dec. 5.
Brauer, Rudolph. (See Erlcson, E. W., and Brauer.)
Brauer, Walter, Oklahoma City, Okla. Valve locking device. 2,182,278; Dec. 5.
Bray, William N., and F. Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Breast flap clamping machine. 2,182,011; Dec. 5.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner for liquid fuel. 2,182,465; Dec. 5.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner for liquid fuel. 2,182,466; Dec. 5.

Brent, George R., Beaumont, Tex. Cooling and air circulating attachment for automobiles. 2,182,716; Dec. 5.
Breslow, Ben B. (See Quave, O. E., and Breslow.)
Brewer, William, Upper Edmonton, assignor to Sparklets Limited, Westminster, England. Spraying apparatus for dental, medical, and like purposes. 2,182,742; Dec. 5.
Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
Bristol Tramways & Carriage Company Limited, The. (See Redrup, Charles B., assignor.)
Britton, Edgar C., and F. Bryner, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of phenol-ketone condensation products. 2,182,308; Dec. 5.
Britton, Edgar C., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Organic phosphates. 2,182,309; Dec. 5.
Britton, John G., Lansdowne, Pa. Sound absorbent plastic compositions. 2,182,535; Dec. 5.
Broder, Louis, Providence, R. I. Collar. 2,182,486; Dec. 5.
Broder, Reuben. (See Boggero, L., and Broder.)
Bronander, Wilhelm B., Montclair, N. J. Wrapping articles. 2,182,113; Dec. 5.
Bronson Reel Company. (See Coxe, Joseph A., assignor.)
Brooks, Henry M., et al. (See Peltz, Gordon M., assignor.)
Brosites Machine Company. (See Hutchings, Joseph L., assignor.)
Brown, Alexander H. (See Hirshfeld, C. F., and Brown.)
Brown, Andrew. (See Griffiths, J. B., and Brown.)
Brown, Andrew, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Railway signaling system. 2,182,170; Dec. 5.
Brown, Cicero C., Houston, Tex. Plugging tool. 2,182,196; Dec. 5.
Brown, Claude P., and F. H. Wilson, Philadelphia, Pa. Counting chamber. 2,182,467; Dec. 5.
Brown Company. (See Richter, George A., assignor.)
Bruecker, John, Chicago, Ill. Electric shaver and shearing blade therefor. 2,182,066; Dec. 5.
Bruecker, John, Chicago, Ill. Manufacturing a shaving tool. 2,182,067; Dec. 5.
Bruggimann, Fernand, Geneva, Switzerland. Machine for molding and dividing plastic material. 2,182,656; Dec. 5.
Brumbly, Joseph O., Los Angeles, Calif., assignor to R. E. Kline. Packer. 2,182,549; Dec. 5.
Bruson, Herman A., and L. W. Covert, assignor to Röhm & Haas Company, Philadelphia, Pa. Manufacturing sebacic acid. 2,182,056; Dec. 5.
Bryner, Fred. (See Britton, E. C., and Bryner.)
Bryson, Tandy A. (See Miller, E. L., and Bryson.)
Buchhagen, Walter H., Buffalo, N. Y. Paring machine. 2,182,688; Dec. 5.
Buckeridge, William I., assignor to Standard Oil Company, Chicago, Ill. Sealing waxy surfaces. 2,182,513; Dec. 5.
Bucy, Roy T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling. 2,182,394; Dec. 5.
Buffalo Pressed Steel Company. (See Hector, Luther G., assignor.)
Bungay, George W., New York, N. Y. Apparatus for backing electrotypes. 2,182,114; Dec. 5.
Bunnell, Earl C., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Spindle. 2,182,012; Dec. 5.
Burdick, Charles A. (See Chadbourne, J. H., and Burdick.)
Burgess Battery Company. (See Chipley, A. S., and Leadbetter, assignors.)
Burgin, James. (See Groll, H. P. A., and Burgin.)
Burke, Charles E., Ludlow, Ky. Mold for forming solder bars. 2,182,013; Dec. 5.
Burndy Engineering Co. (See Hofmann, Johannes W., assignor.)
Burton-Dixie Corporation. (See Contino, Nicholas, assignor.)
Bush, A. G. (See Criner, Harry J., assignor.)
Busee, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam structure. 2,182,197; Dec. 5.
Byl, Frederick M., San Jose, Calif. Box strapping machine. 2,182,221; Dec. 5.
Byrne, Hugh J., Oakland, Calif. Automatic variable speed control mechanism. 2,182,310; Dec. 5.
Cabassa, Alexander A., Lakeland, Fla. Salt water rod and reel. 2,182,423; Dec. 5.
Cadwell, Leon L. (See Williams, B. E., and Cadwell.)
Caldwell, Stuart H., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Brake lever. 2,182,279; Dec. 5.
Calonnier, Maurice, Saint-Etienne, France. Manufacture of velvet woven in double piece. 2,182,610; Dec. 5.
Cameron, Donald H., Racine, Wis., assignor to B. D. Eisendrath Tanning Co., Chicago, Ill. Hydrogen ion meter. 2,181,866; Dec. 5.
Cameron, Donald H., Racine, Wis., assignor to B. D. Eisendrath Tanning Co., Chicago, Ill. Automatic recorder. 2,181,867; Dec. 5.
Campbell, Clyde H. (See Lowy, A., and Campbell.)
Campbell, Robert A., Los Angeles, Calif. Orchard heater. 2,182,143; Dec. 5.
Cannard, William H., Green Bay, Wis. Creping method and apparatus. 2,182,720; Dec. 5.
Cano, Vernon, Elizabeth, N. J., assignor to B. F. Sturtevant Company, Boston, Mass. Humidifying system. 2,182,620; Dec. 5.
Cantoni, Humbert D. J., Paris, France. Valve sealing means for engines. 2,181,868; Dec. 5.
Carlson, Carl E., assignor to L. R. Carlson, Minneapolis, Minn. Catch basket for clothes chutes. 2,182,689; Dec. 5.
Carlson, Harold, Tuckahoe, assignor to The Associated Press, New York, N. Y. Facsimile transmission apparatus. 2,182,115; Dec. 5.
Carlson, Leslie R. (See Carlson, Carl E., assignor.)
Carney, Charles F., Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Elevator. 2,182,657; Dec. 5.
Carr, Raymond L., Boston, Mass. Vehicle body. 2,181,869; Dec. 5.
Carroll, Fred H., assignor of one-half to G. P. Koelliker, Jacksonville, Fla. Exhaust nozzle for locomotives. 2,182,370; Dec. 5.
Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Tabulating card printing machine. 2,181,935; Dec. 5.
Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wide band, short wave antenna and transmission line system. 2,181,870; Dec. 5.
Carter, Philip M., New York, N. Y., and L. A. Larsen, Canton, Ohio, assignors to Vaco Products, Inc., Jersey City, N. J. Fluid pressure operated gear shifter. 2,181,963; Dec. 5.
Carvers, Emmett K., and B. E. Gramkee, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheet containing tripropionin. 2,182,371; Dec. 5.
Casper, Anthony B., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,182,581; Dec. 5.
Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Well bit construction. 2,182,247; Dec. 5.
Celanese Corporation of America. (See Seymour, George W., assignor.)
Chadbourne, Joseph H., Scotland, and C. A. Burdick, Killingly, Conn., assignors to The Danielson Mfg. Company. Loom picking mechanism. 2,182,487; Dec. 5.
Chamberlain, Paul A. (See Jepson, I., and Chamberlain.)
Champion Brake Corporation. (See Hyle, Jacob A., assignor.)
Chance, Britton. (See Janeway, Price W., Jr., assignor.)
Chance, Britton, Mantoloking, N. J. Control system. 2,182,717; Dec. 5.
Chapman, Kenneth J. (See Murrian, J. A., Chapman, and Fulton.)
Chayne, Charles A., Flint, assignor to General Motors Corporation, Detroit, Mich. Spring suspension. 2,182,248; Dec. 5.
Chayne, Charles A., Flint, assignor to General Motors Corporation, Detroit, Mich. Spring suspension. 2,182,249; Dec. 5.
Chemical Foundation, Incorporated, The. (See Christensen, Leo M., assignor.)
Chemische Fabrik Coswig-Anhalt G. m. b. H. (See Schwabe, Kurt, assignor.)
Chercass, William, Palmerton, Pa. Belt reversing device. 2,182,424; Dec. 5.
Chicago Flexible Shaft Company. (See Jepson, I., and Chamberlain, assignors.)
Chicago Metal Mfg. Co. (See Hauf, George F., assignor.)
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
Chicago Railway Equipment Company. (See Osner, C. W., and Ekholm, assignors.)
Chicoine, Louis P., and E. Sauvé, Vaudreuil, Quebec, Canda. Shifting carriage for rails and the like. 2,182,057; Dec. 5.
Chilcote Company, The. (See Chilcote, Lee A., assignor.)
Chilcote, Lee A., Gates Mills, assignor to The Chilcote Company, Cleveland, Ohio. Mount for photographic prints or the like. 2,182,515; Dec. 5.
Chilton, Roland, Ridgewood, N. J. Control wheel. 2,182,658; Dec. 5.
Chipley, Alfred S., Chicago, and R. L. Leadbetter, Wheaton, assignors, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Static pressure measuring device. 2,182,280; Dec. 5.
Chittick, Martin B., assignor to The Pure Oil Company, Chicago, Ill. Sulphurized lubricating oil. 2,181,964; Dec. 5.
Christensen, Leo M., Atchison, Kans., assignor to The Chemical Foundation, Incorporated, New York, N. Y. Producing alcohols. 2,182,550; Dec. 5.
Christensen, Oscar E., Salt Lake City, Utah. Boehm system clarinet. 2,182,198; Dec. 5.
Chrysler Corporation. (See Bucy, Roy T., assignor.)

Chrysler Corporation. (See Cooley, F. N., and Harter, assignors.)
Chrysler Corporation. (See Dunn, William T., assignor.)
Chrysler Corporation. (See Maurer, Edwin R., assignor.)
Chrysler Corporation. (See Neracher, C. A., and Syrovy, assignors.)
Chrysler Corporation. (See Patterson, Herbert F., assignor.)
Chrysler Corporation. (See Phelan, Arthur J. and H. S., assignors.)
Chrysler Corporation. (See Tarbell, John C., assignor.)
Ciechanow, Saul A., San Francisco, Calif. Film viewer. 2,182,514; Dec. 5.
Clappier, Robert R., Huntington, W. Va., and J. Orin McDowell, Steubenville, Ohio, assignors to International Nickel Company, Inc., New York, N. Y. Rolling of cathode nickel. 2,181,936; Dec. 5.
Clark, Dudley B., Palm Springs, Calif., assignor to General Electronics Corporation. Electrical converting system. 2,182,014; Dec. 5.
Clark, John, assignor to Consolidated Biscuit Company, Chicago, Ill. Apparatus for coating food products. 2,182,068; Dec. 5.
Clarkson, Alick, Bloomingdale Township, Du Page County, Ill. Fluid pressure controlled switch. 2,182,450; Dec. 5.
Clary, Lloyd H. (See Doud, H. P., and Clary.)
Clayton, Benjamin, Houston, Tex., W. B. Kerrick, Los Angeles, and H. M. Stadt, Glendale, Calif., and B. H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev. Refining animal and vegetable oils. 2,182,755; Dec. 5.
Clergy, Henry, administrator. (See Clergy, Louis.)
Clergy, Louis, deceased, Des Moines, Iowa; H. Clergy, administrator. Engine stand. 2,182,743; Dec. 5.
Cleveland Pneumatic Tool Company, The. (See Van Sittert, Paul, assignor.)
Coach & Car Equipment Company. (See Owler, Thomas D., assignor.)
Coble, Earl W., Burton, Ohio. Holding means for folding chairs. 2,182,516; Dec. 5.
Cohen, Hyman E., Brooklyn, assignor to New York Pressing Iron Co. Inc., New York, N. Y. Pressing machine clamp. 2,182,199; Dec. 5.
Cohen, Theodore, Bronx, N. Y. Antisoil protector for men's collars. 2,182,582; Dec. 5.
Cole, Edwin G. Belmont, Mass. Air conditioning apparatus. 2,182,690; Dec. 5.
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Multiple steady rest. 2,182,311; Dec. 5.
Collins, Charles W., Seattle, Wash. Brake mechanism. 2,182,250; Dec. 5.
Colt, Edwin W. (See Potts, R. H., and Colt.)
Colt's Patent Fire Arms Manufacturing Company. (See Sachs, Joseph, assignor.)
Compagnie des Telephones Thomson-Houston. (See Gohorel, Fernand P., assignor.)
Compton, Justin S., Oakwood, assignor of one-half to H. Silberels, Dayton, Ohio. Amusement device. 2,182,517; Dec. 5.
Cone, Charles N., assignor to M and M Wood Working Company, Portland, Oreg. Glue and manufacture therefor. 2,182,425; Dec. 5.
Conklin, James W., Audubon, N. J., assignor to Radio Corporation of America. Concentric line tuned circuits. 2,181,871; Dec. 5.
Consolidated Biscuit Company. (See Clark, John, assignor.)
Contino, Nicholas, assignor to Burton-Dixie Corporation, Chicago, Ill. Spring cushion. 2,182,069; Dec. 5.
Conzetti, Achille, assignor to J. R. Geigy A. G., Basel, Switzerland. Azo dyestuffs and their manufacture. 2,182,721; Dec. 5.
Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Force regulating system. 2,182,659; Dec. 5.
Cooley, Francis N., and R. J. Harter, Newcastle, Ind., assignors to Chrysler Corporation, Highland Park, Mich. Power transmitting device. 2,182,395; Dec. 5.
Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Portable beverage conditioning and dispensing apparatus. 2,182,116; Dec. 5.
Copp, Ernest G., Worcester, Mass. Inside curtain and support. 2,182,396; Dec. 5.
Cormier, Ada, et al. (See Cormier, Farrier, assignor.)
Cormier, Farrier, assignor of one-third to O. Matt and one-third to A. Cormier, Welsh, and one-third to T. Cormier, Jefferson Davis Parish, La. Valve mechanism for engines. 2,181,872; Dec. 5.
Cormier, Theobert, et al. (See Cormier, Farrier, assignor.)
Cornell-Dubilier Corporation. (See Gray, Donald E., assignor.)
Cornell Research Foundation, Inc. (See Sharp, P. F., and Hand, assignors.)
Courcier, Richard J., Sr., New Orleans, La. Door controlled ignition system. 2,182,426; Dec. 5.
Courtis, Stuart A. and W. F., Detroit, Mich. Solar heater. 2,182,222; Dec. 5.
Courtis, Walter F. (See Courtis, Stuart A. and W. F.)
Covert, Frederick L., Lansing, Mich. Door bumper. 2,182,611; Dec. 5.
Covert, Lloyd W. (See Bruson, H. A., and Covert.)
Cowen, Mervyn S., San Francisco, Calif. Counter holder for game counters. 2,182,488; Dec. 5.
Cowey, Leonard E., Kew Gardens, England. Tail supporting wheel or its equivalent for aircraft. 2,182,333; Dec. 5.
Cox, Samuel F., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Frangible block mounting. 2,182,373; Dec. 5.
Cox, Samuel F., and P. E. Knudsen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Building covering. 2,182,372; Dec. 5.
Coxe, Joseph A., Los Angeles, Calif., assignor to Bronson Reel Company, Bronson, Mich. Fishing equipment. 2,182,468; Dec. 5.
Coyner, James M., Madison, Wis., assignor to Armour and Company, Chicago, Ill. Calf feeding supplement. 2,182,171; Dec. 5.
Crabbe, Lindsay T., assignor to Phoenix Metal Cap Company, Inc., Chicago, Ill. Double shell cap and dauber. 2,182,046; Dec. 5.
Crago, Harry R., Verona, N. J., assignor to General Electric Company. Condition control system. 2,182,691; Dec. 5.
Craig, John W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,182,312; Dec. 5.
Crane, George R., Santa Monica, and B. B. Hayworth, Burbank, Calif., assignors to Electrical Research Products, Inc., New York, N. Y. Switching system and apparatus therefor. 2,182,070; Dec. 5.
Crane, Richard, and W. J. Snadecki, Westover, Va.; said Snadecki assignor to said Crane. Apparatus for curing tobacco. 2,182,753; Dec. 5.
Creed and Company Limited. (See Thompson, A. E., and Salmon, assignors.)
Cregar, Howard, assignor to The National Automatic Tool Company, Richmond, Ind. Combination directional drilling and tapping unit. 2,181,873; Dec. 5.
Crespo, Joseph, New York, N. Y. Panoramic device. 2,182,334; Dec. 5.
Crickmer, Charles S., and R. A. Lamb, assignors to Merla Tool Company, Dallas, Tex. Packing material. 2,182,251; Dec. 5.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 2,182,281; Dec. 5.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 2,182,282; Dec. 5.
Crook, Wayne D. (See Stewart, James S., assignor.)
Cross, Carroll N., Middleboro, Mass. Picture holder. 2,181,874; Dec. 5.
Crossley, Alfred, assignor to Johnson Laboratories, Inc., Chicago, Ill. Adjustable coupling system. 2,182,071; Dec. 5.
Crown Metal Company. (See Elsby, W., and Kalishe, assignors.)
Curtis, Thomas I., Columbus, Ohio. Chapel tent. 2,182,283; Dec. 5.
Cutler-Hammer, Inc. (See Stansbury, Carroll, assignor.)
Czarnecki, Walter, assignor to Eddington Metal Specialty Co., Eddington, Pa. Rotary pump. 2,182,072; Dec. 5.
Daisley, Robert H., Birmingham, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Self-locking adjustable tappet. 2,181,965; Dec. 5.
Danielson Mfg. Company, The. (See Chadbourne, J. H., and Burdick, assignors.)
Daudelin, Jean B., and E. E. Talbot, Fall River, Mass. Loom shuttle. 2,182,144; Dec. 5.
Daughaday, Freeman, Company. (See Salisbury, Le Roy J., assignor.)
Davies, Stanley B., assignor to Royer Foundry and Machine Co., Kingston, Pa. Sand conditioning apparatus. 2,182,284; Dec. 5.
Davis, Augustine, Jr., Cincinnati, Ohio. Construction element. 2,182,015; Dec. 5.
Davis, Elmer M., assignor to Industrial Patents Corporation, Chicago, Ill. Deodorizing milk and cream. 2,182,335; Dec. 5.
Davis, Freeman H., Placentia, assignor of one-half to S. S. McNair, Arcadia, Calif. Brake. 2,181,988; Dec. 5.
Davis, George C., assignor to Davis Regulator Company, Chicago, Ill. Float box. 2,182,469; Dec. 5.
Davis Regulator Company. (See Davis, George C., assignor.)
Dean, Roy H., assignor to General Motors Corporation, Detroit, Mich. Fastening device. 2,181,966; Dec. 5.
De Caria, Ugo, Milan, Italy. Adjusting mechanism for propeller blades and the like. 2,182,285; Dec. 5.
Decker, Howard H., Fairview, N. J., assignor to Schutte & Koerting Company, Philadelphia, Pa. Specific gravity indicator. 2,182,172; Dec. 5.
De Gavardie, Pierre H. E., Paris, France. Gun turret for aircraft. 2,182,722; Dec. 5.
Dennison, Brook J. (See Sherts, J. H., and Dennison.)
De Nol, Frank A., Cleveland, Ohio. Carbon contacts for a motion picture machine high intensity lamp. 2,182,489; Dec. 5.
De Nol, Frank A., Cleveland, Ohio. Negative carbon clamp or holder for high intensity motion picture machine. 2,182,490; Dec. 5.

Det norske Aktieselskab for Elektrokemisk Industri. (See Wlberg, Frans M., assignor.)
Deutsch, Fritz A., Berlin, Germany. Fluid retarding or braking device. 2,182,016; Dec. 5.
Deutsche Hollerith Maschinen G. m. b. H. (See Keil, Hermann, assignor.)
Diamond Expansion Bolt Company. (See Karitzky, John, assignor.)
Diehl, Walter S., U. S. Navy. Spray strip for seaplanes. 2,181,875; Dec. 5.
Di Grappa, Michelangelo, East Palestine, Ohio. Jar cap tool. 2,181,876; Dec. 5.
Dillard, Edward W., Wellesley, Mass. Transformer support. 2,182,660; Dec. 5.
Dirscherl, Wilhelm, Frankfort-on-the-Main, Germany, assignor to Rare Chemicals, Inc., Nepara Park, N. Y. Hormone. 2,182,073; Dec. 5.
Dirscherl, Wilhelm, Frankfort-on-the-Main, and J. Kraus, Mannheim, Germany, assignors to Rare Chemicals, Inc., Nepara Park, N. Y. Hormone. 2,182,074; Dec. 5.
Ditto, Incorporated. (See Bjorksten, J., and Hoskins, assignors.)
Dobert, Joseph H., Millvale, Pa. Electrophysiotherapeutical apparatus. 2,182,223; Dec. 5.
Dodge, Adiel Y., South Bend, Ind. Transmission. 2,182,621; Dec. 5.
Doennecke, Henry W., and E. W. Douglass, Tulsa, Okla., and C. O. Anderson, Baxter Springs, Kans., assignors to Ozark Chemical Company, Tulsa, Okla. Treating water supplies. 2,182,286; Dec. 5.
Dolar, Edward, Berwyn, Ill. Condiment holder. 2,182,622; Dec. 5.
Dolar, Edward, Berwyn, Ill. Condiment holder. 2,182,623; Dec. 5.
Dolza, John, and A. W. Gaubatz, Flint, assignors to General Motors Corporation, Detroit, Mich. Remote control for transmission. 2,182,252; Dec. 5.
Donaghy, Ernest E., St. Johnsbury, Vt. Milk bottle carrier. 2,182,017; Dec. 5.
Donaldson, Alfred S., Newark, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Display case for boudoir accessories. 2,182,200; Dec. 5.
Dorsey, Francis E., assignor to Hartford-Empire Company, Hartford, Conn. Glassware annealing lehr. 2,182,173; Dec. 5.
Doty, Charles R., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,181,989; Dec. 5.
Doud, Hobart P., and L. H. Clary, Decatur, Ill. Brake equalizer. 2,181,967; Dec. 5.
Douglass, Emory W. (See Doennecke, H. W., Douglass, and Anderson.)
Dow Chemical Company, The. (See Britton, E. C., and Bryner, assignors.)
Dow Chemical Company, The. (See Britton, E. C., and Moyle, assignors.)
Dow Chemical Company, The. (See Dreisbach, Robert R., assignor.)
Dox, Arthur W., Windsor, Ontario, Canada, assignor to Parke, Davis & Company, Detroit, Mich. Thiobarbituric acids. 2,182,518; Dec. 5.
Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Pyrolysis of secondary-butylbenzene derivatives. 2,182,313; Dec. 5.
Drennan, Harry E., Whittenburg, Tex., assignor to Phillips Petroleum Company. Treating hydrocarbon oils. 2,181,877; Dec. 5.
Dreyer, William C., Dallas, Tex., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic drilling machine. 2,182,624; Dec. 5.
Dreyfus, Henry. (See Rivat, Georges, assignor.)
Dulany, Ralph O. (See Hitchens, Thomas B., assignor.)
Dumble, William H., Bakersfield, Calif. Tool spinner for well drilling. 2,182,374; Dec. 5.
Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine and the like. 2,182,661; Dec. 5.
Dunham, George W., Westport, and R. T. Lautz, Bridgeport, Conn., assignors to General Electric Company. Control for ironers. 2,182,662; Dec. 5.
Dunn, Joseph A. (See Harding, Robert E., assignor.)
Dunn, William G., Clarinda, Iowa. Wind driven generator distributor mechanism. 2,182,224; Dec. 5.
Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,182,427; Dec. 5.
Du Pont, E. I., de Nemours & Company. (See Baker, L. S., and Schwartz, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hopkins, H. H., and McDermott, assignors.)
Du Pont, E. I., de Nemours & Company. (See Maxwell, Robert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Murphy, A. R., and Jordan, assignors.)
Du Pont, E. I., de Nemours & Company. (See Stamatoff, Geln S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wooster, Charles B., assignor.)
Du Pont Viscoloid Company. (See Donaldson, Alfred S., assignor.)
Durand & Huguenin A. G. (See Tschan, Ernst, assignor.)
Eads, George M., Clarkston, Wash. Music holder. 2,182,287; Dec. 5.
Eanes, Hugh P., Waterbury, Conn. Rack for warp tying machines. 2,182,288; Dec. 5.
Eastman Kodak Company. (See Carver, E. K., and Gramkee, assignors.)
Eastman Kodak Company. (See Smith, Henry B., assignor.)
Eastman Kodak Company. (See Smith, H. B., and Swan, assignors.)
Eaton, Cyrus D., Lansdowne, assignor to The American Distilling Company, Incorporated, Philadelphia, Pa. Product for use as nonrusting and noncorroding antifreezing mixtures. 2,182,612; Dec. 5.
Eaton, Gerald L., Osborne, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Conversion of hydrocarbon gases and oils and absorption system therefor. 2,182,536; Dec. 5.
Eaton Manufacturing Company. (See Daisley, Robert H., assignor.)
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake mechanism. 2,182,047; Dec. 5.
Ebert, Joseph, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa. Water soluble derivatives of p-aminobenzene-sulphonamide. 2,182,075; Dec. 5.
Eby, Eugene D., and T. C. Aitchison, Pittsfield, Mass., assignors to General Electric Company. Hydraulic press for electric cables and utilizing the same. 2,182,663; Dec. 5.
Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Manufacture of ether derivatives of polyhydric alcohols. 2,182,397; Dec. 5.
Eckleberry, Dorsey, Hawley, Pa. Clothesline and pulley. 2,181,878; Dec. 5.
Eclipse Aviation Corporation. (See Baer, Howard, assignor.)
Eclipse Aviation Corporation. (See Tumey, Lawrence F., assignor.)
Eddington Metal Specialty Co. (See Czarnecki, Walter, assignor.)
Eddy, Harold C., Los Angeles, Calif., assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del. Process and apparatus for treating oil. 2,182,145; Dec. 5.
Edeby, John A., et al. (See Nilson, Harold, assignor.)
Edgerton, Harold E., Watertown, Mass. Cutting machine. 2,181,879; Dec. 5.
Edison General Electric Appliance Company. (See Shroyer, Jacob L., assignor.)
Edström, Eric, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,182,146; Dec. 5.
Edwards, Herbert E., Wellesley, Mass. Machine tool. 2,182,551; Dec. 5.
Eggleston, Smith, assignor to Standard Conveyor Company, St. Paul, Minn. Roller conveyer. 2,182,756; Dec. 5.
Ehrsam, J. B., & Sons Manufacturing Company, The. (See Ehrsam, William J., assignor.)
Ehrsam, William J., assignor to The J. B. Ehrsam & Sons Manufacturing Company, Enterprise, Kans. Punch. 2,182,744; Dec. 5.
Eickman, Walter C., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Two-hand control. 2,182,018; Dec. 5.
Eisele, Felix, Rabenstein, near Chemnitz, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Siegmar-Schonau, Germany. Guide for machine tools. 2,182,019; Dec. 5.
Eisendrath, B. D., Tanning Co. (See Cameron, Donald H., assignor.)
Eisenlohr, Hans, Nurtingen, Wurttemberg, Germany. Hydraulically operated hacksaw. 2,182,289; Dec. 5.
Ekholm, Herbert W. (See Osner, C. W., and Ekholm.)
Electric Furnace Company, The. (See Vaughan, Arthur H., assignor.)
Electric & Musical Industries Limited. (See Blumlein, A. D., and McGee, assignors.)
Electrical Refractories Company, The. (See Owen, Frederick E., assignor.)
Electrical Research Laboratories Inc. (See Schnell, William J., assignor.)
Electrical Research Products, Inc. (See Crane, G. R., and Hayworth, assignors.)
Electrolux Corporation. (See Edström, Eric, assignor.)
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Elmer, Lloyd A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Viscous dampener. 2,182,076; Dec. 5.
Elmer, William B., Winchester, Mass. Electric heat controller. 2,182,048; Dec. 5.
Elsaesser, Viktor. (See Prowein, K., Bauriedel, and Elsaesser.)
Elsby, William, and C. Kalishe, assignors to Crown Metal Company, Inc., Milwaukee, Wis. Sheet metal reinforcing jacket for lead pipes. 2,182,552; Dec. 5.
Emsco Derrick and Equipment Company. (See Probert, George G., assignor.)
Endicott Johnson Corporation. (See Martin, Charles E., assignor.)
Engalitcheff, John, Jr. (See Anderson, E. L., and Engalitcheff.)

Engel, Friedrich V. A. E., London, England, assignor to Republic Flow Meters Company, Chicago, Ill. Control system. 2,182,771; Dec. 5.
English, Jesse R., Gibsland, La. Cane stripper. 2,182,117; Dec. 5.
Erdman, Carl H., Fullerton, Calif. Spiked detachable shoe sole. 2,182,375; Dec. 5.
Erdman, Jay, Stamford, assignor of one-fourth to D. L. Mattern, Bridgeport, Conn. Masonry unit or block. 2,182,470; Dec. 5.
Ericson, Elmer W., Chicago, and R. Brauer, Cicero, assignors to The Barrett Bindery Co., Chicago, Ill. Temporary binder. 2,181,968; Dec. 5.
Eshbaugh, Jesse E., Flint, assignor to General Motors Corporation, Detroit, Mich. Radiator pressure cap. 2,181,969; Dec. 5.
Eskridge, Cecil V., Chicago, Ill., assignor to Oxweld Acetylene Company. Apparatus for heating metal bodies. 2,181,937; Dec. 5.
Etablissements Rouzaud & Fils. (See Fleuret, André M., assignor.)
Evans, George H., assignor of one-half to R. K. Stevens, Washington, D. C. Display sign. 2,182,147; Dec. 5.
Evans, George T. (See Phillips, F. O., and Evans.)
Everhart, Clyde E., Wauchula, Fla. Railroad switch frog and assembly. 2,182,290; Dec. 5.
Extrom, Victor E. (See Rustad, L. L., and Extrom.)
Faber, Herbert A., Cincinnati, Ohio. Rotor unit for spraying liquids. 2,182,471; Dec. 5.
Fabriksaktiebolaget Haldastaxametern. (See Östberg, Karl G., assignor.)
Fairfield, Thomas J. (See Beaver, C. J., and Fairfield.)
Fallon, John T., assignor of one-tenth to M. E. Anderson, Denver, Colo. Fuel combustion control system. 2,181,970; Dec. 5.
Farastan Company, The. (See Ebert, Joseph, assignor.)
Farber & Shlevin, Inc. (See Shlevin, Clarence J., assignor.)
Farrell, Lura B., Coshocton, Ohio. Ventilated back rest. 2,182,253; Dec. 5.
Farrell, Lura B., Coshocton, Ohio. Comfort bottle. 2,182,254; Dec. 5.
Fauss, Daniel L., assignor of forty-eight per cent to W. P. Werme, Pittsburgh, Pa. Mouthpiece for reed musical instruments. 2,181,880; Dec. 5.
Fausse, Joseph, Melrose, assignor, by mesne assignments, to The Littleway Process Company, Boston, Mass. Method and apparatus for use in lasting shoes. 2,182,491; Dec. 5.
Feigelson, Alexander, Beaumont, Tex. Dump trailer. 2,182,077; Dec. 5.
Feller, John E. O., Canton, Ohio. Film winding apparatus. 2,182,723; Dec. 5.
Ferngren, Enoch T., Toledo, Ohio, assignor, by mesne assignments, to Plax Corporation, Hartford, Conn. Method and apparatus for applying hood caps to bottles. 2,182,472; Dec. 5.
Ferris, Laurence W., Hyattsville, Md. Elevating apparatus. 2,181,881; Dec. 5.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Reciprocating mechanism. 2,182,745; Dec. 5.
Fibrosteel, Inc. (See McCrery, Harold E., assignor.)
Field, Edward A., Jr., Chicago, Ill. Draft control. 2,182,625; Dec. 5.
Fine, Charles A., assignor to Stewart-Warner Corporation, Chicago, Ill. Sign. 2,181,938; Dec. 5.
Finnemore, Harold F., Mount Royal, Quebec, Canada, assignor to B. F. Sturtevant Company of Hyde Park, Boston, Mass. Air conditioning system. 2,182,174; Dec. 5.
Fischer, John F., assignor, by mesne assignments, to L. A. Young Spring & Wire Corporation, Detroit, Mich. Bending machine. 2,182,626; Dec. 5.
Fischer, Joseph, New York, N. Y. Hammer type brake lever extension. 2,182,583; Dec. 5.
Fiske, Augustus H., Warren, assignor to Rumford Chemical Works, Rumford, R. I. Granular calcium phosphate and manufacture thereof. 2,182,613; Dec. 5.
Fitch, Clyde J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. System of operating devices in timed relation. 2,181,939; Dec. 5.
Fitch, Clyde J., and K. R. Schneider, Endicott, assignor to International Business Machines Corporation, New York, N. Y. Recording unit. 2,181,940; Dec. 5.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,182,584; Dec. 5.
Fladmark, Erling, Lawrence, Mass. Recovering the solids from pulp mill waste liquors. 2,182,428; Dec. 5.
Fleck, Otto, Botha, Alberta, Canada. Plow attachment. 2,182,020; Dec. 5.
Fleming, Edward P., Salt Lake City, Utah, and M. F. Perkins, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Production of ammonia from ammonium sulphate. 2,182,078; Dec. 5.
Fleuret, André M., assignor to Etablissements Rouzaud & Fils, Paris, France. Binding medium. 2,182,291; Dec. 5.
Flexible Steel Lacing Company. (See Olsen, John C., assignor.)
Flower, Frank M., Oyster Bay, N. Y. Destruction of vermin on shellfish beds. 2,181,882; Dec. 5.
Ford Motor Company. (See McCarroll, Russell H., assignor.)
Ford, William R., Oakland, Calif. Rack for cigarette packages. 2,182,255; Dec. 5.
Fortunato, Marino, assignor to "Montecatini" Società Generale per l'Industria Mineraria e Chimica, Milan, Italy. Treating artificial casein fibers. 2,182,353; Dec. 5.
Fort Wayne Corrugated Paper Company. (See Nickerson, Orva O., assignor.)
Fosbinder, Russel J., Short Hills, assignor to The Maltbie Chemical Company, Newark, N. J. Theobromine alkaline earth metal gluconates. 2,182,314; Dec. 5.
Foster, Winslow, et al. (See O'Leary, Theodor A., assignor.)
Frieder, Edward, et al. (See Lotz, Rudolph W., assignor.)
Frost, George S., deceased, by T. B. Frost, executrix, Baldwin, N. Y. Pie trimming machine. 2,182,079; Dec. 5.
Frost, Theodora B., executrix. (See Frost, George S.)
Frowein, Kurt, Wuppertal-Elberfeld, and G. Bauriedel, Wuppertal-Barmen, Germany, and V. Elsaesser, Gozzano, Italy, assignors, by mesne assignments, to American Bemberg Corporation, New York, N. Y. Process and apparatus for spinning artificial silk from cuprammonium cellulose solutions. 2,182,429; Dec. 5.
Fuller, Frederick L., West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Cash register. 2,181,990; Dec. 5.
Fuller, Frederick L., West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Punching machine. 2,181,991; Dec. 5.
Fulton, Weston M. (See Murrian, J. A., Chapman, and Fulton.)
G & O Manufacturing Company, The. (See Gurlik, Edward A., assignor.)
Galle, Jean B. P. H., Sceaux, France. Brake adjustment indicating device. 2,182,554; Dec. 5.
Gambao, Joseph M. (See Maynard, A. H., and Gambao.)
Gantnier, Frank J., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Film spool. 2,182,398; Dec. 5.
Garbisch, Norbert S. (See McGregor, Rob R., assignor.)
Gardiner, William T., et al. (See Peltz, Gordon M., assignor.)
Garrison Machine Works, Incorporated. (See Garrison, Ralph P., assignor.)
Garrison, Ralph P., assignor to Garrison Machine Works, Incorporated, Dayton, Ohio. Sealing gasket. 2,182,614; Dec. 5.
Garvis, Gus G., Des Moines, Iowa. Barbecue machine. 2,182,225; Dec. 5.
Gaston, Irving, assignor to Hammel, Riglander & Co., Inc., New York, N. Y. Pallet and roller jewel setter. 2,181,971; Dec. 5.
Gates, Rupert G., Sharon, Mass., assignor of one-half to C. L. Wickersham, Sharpsburg, Pa. Preparation of leguminous foodstuffs. 2,182,175; Dec. 5.
Gaubatz, Arthur W. (See Dolza, J., and Gaubatz.)
Gauld, James C., New Brunswick, N. J. Overload release clutch. 2,182,627; Dec. 5.
Gavin, Thomas A., et al., executors. (See Peirce, John R.)
Geiger, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Sawtooth wave generator. 2,182,555; Dec. 5.
Geigy, J. R., A. G. (See Conzetti, Achille, assignor.)
Geise, Walter A., Flint, assignor to General Motors Corporation, Detroit, Mich. Water pump packing. 2,182,226; Dec. 5.
General Aniline Works, Inc. (See Muehlbauer, Fritz, assignor.)
General Aniline Works, Inc. (See Schweitzer, Hugo, assignor.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See Dunham, George W., assignor.)
General Electric Company. (See Dunham, G. W., and Lautz, assignors.)
General Electric Company. (See Eby, E. D., and Aitchison, assignors.)
General Electric Company. (See Gowans, Floyd D., assignor.)
General Electric Company. (See Kaimer, Fred R., assignor.)
General Electric Company. (See Meyer, F., Spanner, and Germer, assignors.)
General Electric Company. (See Robinson, Ernest Y., assignor.)
General Electric Company. (See Root, Charles S., assignor.)
General Electric Company Limited, The. (See Rose, William R., assignor.)
General Electric Company. (See Weiler, Charles N., assignor.)
General Electronics Corporation. (See Clark, Dudley B., assignor.)
General Motors Corporation. (See Bacon, Elbridge F., assignor.)
General Motors Corporation. (See Chayne, Charles A., assignor.)

General Motors Corporation. (See Craig, John W., assignor.)
General Motors Corporation. (See Dean, Roy H., assignor.)
General Motors Corporation. (See Dolza, J., and Gaubatz, assignors.)
General Motors Corporation. (See Eshbaugh, Jesse E., assignor.)
General Motors Corporation. (See Geise, Walter A., assignor.)
General Motors Corporation. (See Kucher, Andrew A., assignor.)
General Motors Corporation. (See Newill, Edward B., assignor.)
General Motors Corporation. (See Pierce, E. R., and Hause, assignors.)
General Motors Corporation. (See Rasmussen, Olaf, assignor.)
General Motors Corporation. (See Smith, Robert W., assignor.)
General Paint Corporation. (See Morain, Clifford F., assignor.)
General Tire & Rubber Company, The. (See Maranville, Harvey F., assignor.)
Germer, Edmund. (See Meyer, F., Spanner, and Germer.)
Gersman, Harvey M., New York, N. Y. External combustion engine. 2,182,430; Dec. 5.
Ghertman, Goino, St. Mande, France, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Paper feeding device. 2,181,992; Dec. 5.
Gibson, Robert C., Toronto, Ontario, Canada. Combination brake and accelerator control. 2,181,883; Dec. 5.
Gilbert, Edward, assignor of one-half to L. Silliman, New York, N. Y. Stage setting. 2,182,757; Dec. 5.
Gillette, Elmon C., et al. (See Matveyeff, Michael N., assignor.)
Giroud, Pierre, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Radio direction finding apparatus. 2,182,118; Dec. 5.
Girvan, Ian W., executor. (See Lowe, J. H., and King.)
Giuliano, Anthony P., Newark, N. J. Carroting. 2,181,884; Dec. 5.
Glidden Company, The. (See Johnstone, James O., assignor.)
Globe Oil Tools Company. (See Catland, Alfred C., assignor.)
Globe-Wernicke Company, The. (See Link, Forest L. W., assignor.)
Globe-Wernicke Company. (See Schmitz, Fred A., assignor.)
Gloor, Walter E., Highland Park, N. J., assignor to Hercules Powder Company, Wilmington, Del. Increasing the apparent density of chlorinated rubber. 2,182,473; Dec. 5.
Glover, W. T., and Company Limited. (See Beaver, C. J., and Fairfield, assignors.)
Gohorel, Fernand P., Antony, assignor to Compagnie des Telephones Thomson-Houston, Paris (Seine), France. Remote control system. 2,182,119; Dec. 5.
Goldacker, Paul, Dessau-Haidedurg, G. Maiser, Dessau, and E. Schmitz-Hillebrecht, Bitterfeld, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic developer. 2,181,941; Dec. 5.
Goldman, Oscar G., San Francisco, Calif. Protective lining and coating of pipes. 2,182,227; Dec. 5.
Goldsmith, William M., Cincinnati, Ohio. Furring attachment. 2,181,885; Dec. 5.
Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. Automatic lighter and display device. 2,182,336; Dec. 5.
Goodman, Leo A., Brooklyn, assignor of one-half to Marcleph & Co. Inc., New York, N. Y. Sausage casing. 2,181,886; Dec. 5.
Goodman, Leo A., Brooklyn, assignor of one-half to Marcleph & Co. Inc., New York, N. Y. Making casings for sausages or other meat products. 2,181,887; Dec. 5.
Goodrich, B. F., Company, The. (See Hall, Charles R., assignor.)
Goodrich, B. F., Company, The. (See Paddock, George A., assignor.)
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastener inserting machine. 2,182,021; Dec. 5.
Government of the United States of America, as represented by the Secretary of the Navy. (See Shanley, Francis R., assignor.)
Gowans, Floyd D., Wesleyville, Pa., assignor to General Electric Company. Refrigerant distributor for cooling units. 2,182,664; Dec. 5.
Graham, Frederick M., Hollidaysburg, Pa. Apparatus for hardening the ends of track rails. 2,182,120; Dec. 5.
Gramkee, Bruce E. (See Carver, E. K., and Gramkee.)
Graveley, Oscar W., New York, N. Y. Vaginal diaphragm inserter. 2,182,121; Dec. 5.
Gravity Ladders Limited. (See Boor, Laurence M., assignor.)
Gray, Donald E., Yonkers, assignor to Cornell-Dubilier Corporation, New York, N. Y. Electrolytic condenser and making the same. 2,182,376; Dec. 5.
Green, Estill I., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 2,182,337; Dec. 5.
Green, Lewis J. G., Jackson Heights, N. Y. Camera filter. 2,182,585; Dec. 5.
Gresh, Earl, St. Petersburg, Fla. Lady's handbag. 2,182,679; Dec. 5.
Griffith Laboratories, Inc., The. (See Komarik, Stephan L., assignor.)
Griffiths, John B., and A. Brown, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Railway signal control system. 2,182,122; Dec. 5.
Grisdale, George W., assignor to Republic Flow Meters Company, Chicago, Ill. Recorder mechanism. 2,182,123; Dec. 5.
Griswold, Donald W., Bridgeton, N. J. Method and apparatus for preservation of perishable foodstuffs. 2,182,556; Dec. 5.
Griswold, Stanley M., assignor to B. B. Chemical Co., Boston, Mass. Protective cover. 2,182,022; Dec. 5.
Griswold, Stanley M., assignor to B. B. Chemical Co., Boston, Mass. Protective cover. 2,182,256; Dec. 5.
Groene, William F., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Machining crankshafts. 2,182,228; Dec. 5.
Groll, Herbert P. A., Berkeley, and J. Burgin, Oakland, assignors to Shell Development Company, San Francisco, Calif. Dehydrogenation of organic compounds. 2,182,431; Dec. 5.
Grosse, Aristid V., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of naphthenes. 2,182,557; Dec. 5.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation. Tuning electric oscillatory circuits. 2,182,377; Dec. 5.
Guerra, Anthony, Hackensack, N. J. Toaster. 2,182,124; Dec. 5.
Guier, William, assignor to Unit Rig & Equipment Company, Tulsa, Okla. Automatic cathead. 2,182,292; Dec. 5.
Gulf Oil Corporation. (See Eaton, Gerald L., assignor.)
Gunn, Thomas M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mechanically operated reflux proportioner. 2,182,378; Dec. 5.
Gurlik, Edward A., Hamden, assignor to The G & O Manufacturing Company, New Haven, Conn. Heat transfer apparatus. 2,182,338; Dec. 5.
Gustin, Harold H., Warren, Pa. Flexible coupling. 2,181,888; Dec. 5.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Garment hanger. 2,182,665; Dec. 5.
Hagan, Carl L., Portland, Oreg. Meat preparing instrument. 2,182,379; Dec. 5.
Hall, Charles R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Container closure. 2,182,492; Dec. 5.
Hall Laboratories, Inc. (See Bell, Edward B., assignor.)
Hall Laboratories, Inc. (See Schwartz, Charles, assignor.)
Halliden, Frederick G., Bellerose, assignor to Postal Telegraph-Cable Company (New York), New York, N. Y. Call circuit recorder. 2,182,339; Dec. 5.
Hamel, Charles F., New York, N. Y. Operating means for receptacle closures. 2,182,432; Dec. 5.
Hamel, Henri, St. Jerome, Quebec, Canada. Electric toaster. 2,182,229; Dec. 5.
Hammel, Riglander & Co. (See Gaston, Irving, assignor.)
Hammerling, Emanuel, Woodmere, N. Y., assignor to Harry Richman Novelties Corp. Cigarette and similar case. 2,181,993; Dec. 5.
Hand, David B. (See Sharp, P. F., and Hand.)
Handy, Robert G., Detroit, Mich., C. B. Seymour, and A. A. Altenberg, Chicago, Ill., assignors to Hoof Products Company. Combined governor torque testing and spring calibrating and testing device. 2,182,519; Dec. 5.
Hanley, Stanley M., Detroit, Mich. Electrical regulating system. 2,182,666; Dec. 5.
Hanson, Earl C., Chicago, Ill. Decorative illuminating system. 2,181,889; Dec. 5.
Hanson-Van Winkle-Munning Company. (See Todd, Guerin, assignor.)
Harbin, Oliver H., Mobile, Ala. Bird caller. 2,182,692; Dec. 5.
Harder, Oscar E., Columbus, Ohio, assignor to Inland Steel Company, Chicago, Ill. Steel. 2,182,758; Dec. 5.
Harder, Oscar E., Columbus, Ohio, assignor to Inland Steel Company, Chicago, Ill. Steel. 2,182,759; Dec. 5.
Harding, Robert E., Elmira, N. Y., assignor to J. A. Dunn, Worcester, Mass. Holder for sales slips. 2,182,257; Dec. 5.
Hardy Metallurgical Company. (See Mantell, Charles L., assignor.)
Harris, Benjamin R., Chicago, Ill. Preparation of salts of interface modifying agents. 2,181,890; Dec. 5.
Harris, Henry H., Champaign, Ill. Carburizing box. 2,182,201; Dec. 5.
Harris, Henry H., Champaign, Ill. Roller rail for heat treating furnaces. 2,182,202; Dec. 5.
Harris-Seybold-Potter Company. (See Eickman, Walter C., assignor.)
Harris-Seybold-Potter Company. (See Harrold, Charles W., assignor.)

Harrold, Charles W., University Heights, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Feeding and registering sheets. 2,182,023; Dec. 5.

Hart, George H., West Hartford, Conn. Thermostatically operated electric switch. 2,182,315; Dec. 5.

Hart, Henry J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,182,433; Dec. 5.

Hartanov, Andrew S., assignor to Swift and Company, Chicago, Ill. Meat marking. 2,182,203; Dec. 5.

Harter, Russell J. (See Cooley, F. N., and Harter.)

Hartford-Empire Company. (See Berthold, Walter K., assignor.)

Hartford-Empire Company. (See Dorsey, Francis E., assignor.)

Hartmann, August. (See Uytenbogaart, J., and Hartmann.)

Harton, William M., Conway, Ark. Safety device for firearms. 2,182,693; Dec. 5.

Harz, Walter. (See Ulrich, H., and Harz.)

Hassildine, Edward C., Queens Village, N. Y. Automatic self-closing window ventilator. 2,182,558; Dec. 5.

Hatfield, Ira, Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Wood-preserving composition. 2,182,080; Dec. 5.

Hatfield, Ira, Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Wood-treating composition. 2,182,081; Dec. 5.

Hatfield, William F., Lovilia, Iowa. Wire stretcher. 2,182,148; Dec. 5.

Hauf, George F., River Forest, assignor to Chicago Metal Mfg. Co., Chicago, Ill. Support. 2,182,474; Dec. 5.

Hause, Gilbert K. (See Pierce, E. R., and Hause.)

Hauseman, Irvin K., Pottstown, Pa. Automatic stop mechanism for looms. 2,182,149; Dec. 5.

Haussmann, Otto G., Philadelphia, Pa. Ophthalmic lens and making the same. 2,182,537; Dec. 5.

Hayden, Harold P., Sewaren, and H. E. Schweyer, Rahway, N. J., assignors to Barber Asphalt Corporation, Philadelphia, Pa. Viscosimeter. 2,182,082; Dec. 5.

Hayworth, Byron B. (See Crane, G. R., and Hayworth.)

Hazell, Eardley, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Microporous rubber sheet. 2,181,891; Dec. 5.

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Head, William H., Venice, Calif. Combination baby and parcel carrier. 2,181,892; Dec. 5.

Heald Machine Company, The. (See Blood, Harold L., assignor.)

Hearn, Richard B., Hollis, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,182,340; Dec. 5.

Hector, Luther G., assignor to Buffalo Pressed Steel Company, Buffalo, N. Y. Silencing the exhaust of internal combustion engines. 2,182,204; Dec. 5.

Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,182,586; Dec. 5.

Heinrich, Henry A., Middletown, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Typewriting and like machine. 2,182,150; Dec. 5.

Heiser, Harold W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Production of double fluorides of alkali metals and aluminum. 2,182,509; Dec. 5.

Heiser, Harold W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Production of double fluorides of alkali metals and aluminum. 2,182,510; Dec. 5.

Heiser, Harold W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Production of fluoborate compounds. 2,182,511; Dec. 5.

Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,182,125; Dec. 5.

Henderson, Charles L., Appleton, assignor to Paper Patents Company, Neenah, Wis. Photogravure printing plate and method of and apparatus for producing the same. 2,182,559; Dec. 5.

Hennessy, James J., Montclair, N. J. Railway journal lubricator. 2,182,205; Dec. 5.

Hennessy, John B., San Francisco, Calif. Pipe and valve for controlling the flow of fluid therethrough. 2,182,724; Dec. 5.

Henry, Francois J. G., Saint Loup, France. Hydraulic clutch and power transmission device. 2,182,049; Dec. 5.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Cadmium composition. 2,182,380; Dec. 5.

Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Contacting element. 2,182,381; Dec. 5.

Hercules Powder Company. (See Gloor, Walter E., assignor.)

Hercules Powder Company. (See Stevenson, William H., assignor.)

Herline, George, Saginaw, Mich. Adjustable ladder step. 2,182,475; Dec. 5.

Herrick, Roswell H., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Control apparatus. 2,181,972; Dec. 5.

Higbee, James F., Detroit, Mich. Dual wheel assembly. 2,182,560; Dec. 5.

Higgins, Joseph C., Chicago, Ill. Table and associated seat. 2,182,476; Dec. 5.

Hilbourn, Walter P., Lansing, Mich. Adhesive. 2,182,399; Dec. 5.

Hirshfeld, Clarence F., Detroit, Mich., and A. H. Brown, assignors, by mesne assignments, to Transit Research Corporation, New York, N. Y. Anti-wheel-lock system. 2,182,694; Dec. 5.

Hitchens, Thomas B., assignor to R. O. Dulany, Fruitland, Md. Machine for operating on fruits and the like. 2,182,538; Dec. 5.

Hoch, Winton C. (See Ball, J. A., and Hoch.)

Hoe, R., & Co. (See Horton, Albert J., assignor.)

Hoe, R., & Co. (See Huck, William F., assignor.)

Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)

Hoffman, John A., Bismarck, N. Dak. Field insect destroyer. 2,182,230; Dec. 5.

Hoffman, Rose, Hartford, Conn. Garment marker. 2,182,024; Dec. 5.

Hofmann, Johannes W., Radebeul-Kotzschenbroda, near Dresden, Germany, assignor to Burndy Engineering Co., Inc., New York, N. Y. Cable connector. 2,182,151; Dec. 5.

Hogarth, Donald D., Los Angeles, Calif. Filling station construction. 2,182,126; Dec. 5.

Hohl, Russell L., New York, N. Y. Illuminating device. 2,182,434; Dec. 5.

Hokerk, Lynde D., Utica, assignor to Kerk Guild, Inc., Whitesboro, N. Y. Attaching cord to soap. 2,182,293; Dec. 5.

Hollingsworth, Denzil M., St. Louis, Mo. Horizontal drilling machine. 2,182,477; Dec. 5.

Hollmann, Hans E., Berlin-Lichterfelde, Germany, assignor to Radio Patents Corporation, New York, N. Y. Cathode ray device. 2,182,382; Dec. 5.

Honda, Kikutaro, Toyonaka, Japan. Spinning frame. 2,182,695; Dec. 5.

Hoof Products Company. (See Handy, R. G., Seymour, and Altenberg, assignors.)

Hoover Company, The. (See Nelson, Oscar J., assignor.)

Hoover Company, The. (See Traut, Conrad W., assignor.)

Hopff, Heinrich, and G. Steinbrunn, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Interpolymerization of fumaric esters and isobutylene. 2,182,316; Dec. 5.

Hopkins, Horace H., Ridley Park, Pa., and F. A. McDermott, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resins. 2,181,893; Dec. 5.

Horscraft, Herbert T. (See King, W. L., and Horscraft.)

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Web supply mechanism for printing machines. 2,182,760; Dec. 5.

Hoskins, William, Jr. (See Bjorksten, J., and Hoskins.)

Houde Engineering Corporation. (See Casper, Anthony B., assignor.)

Houde Engineering Corporation. (See Peo, Ralph F., assignor.)

Howarth, Harry A. S., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Radial bearing. 2,182,539; Dec. 5.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Registering printing machine cylinders. 2,181,894; Dec. 5.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Registering mechanism for printing cylinders. 2,181,895; Dec. 5.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet feeding mechanism. 2,182,435; Dec. 5.

Hudson, Samuel L., West Terre Haute, Ind. Nonsqueak hammock and swing hanger. 2,182,587; Dec. 5.

Hullegård, Erik W., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electric signaling system. 2,182,152; Dec. 5.

Hüister, Friedrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio tube manufacture. 2,182,341; Dec. 5.

Husted, Harry R., St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Molding plastic material. 2,182,400; Dec. 5.

Hutchings, Joseph L., Newark, N. J., assignor to Brosites Machine Company, Inc., New York, N. Y. Apparatus for making artificial silk. 2,182,540; Dec. 5.

Hutchins, Floy W., et al. (See McEniry, Horace, assignor.)

Hyle, Jacob A., assignor to Champion Brake Corporation, Chicago, Ill. Bell-crank lever for hand brakes for railway cars. 2,182,561; Dec. 5.

I. G. Farbenindustrie Aktiengesellschaft. (See Billig, Kurt, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Hopff, H., and Steinbrunn, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Michel, Richard, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Pinkernelle, Walter, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, H., and Harz, assignors.)

Illinois Tool Works. (See Olson, Carl G.)

Industrial Patents Corporation. (See Davis, Elmer M., assignor.)

Industrial Patents Corporation. (See Newton, R. C., and Mink, assignors.)

Industrial Patents Corporation. (See Paddock, Levi S., assignor.)

Industrial Patents Corporation. (See Parsons, Clinton H., assignor.)

Industrial Patents Corporation. (See Sadoff, Bernard J., assignor.)

Industrial Patents Corporation. (See Straeten, Charles L., assignor.)

Industrial Patents Corporation. (See Urbain, W. M., and Jensen, assignors.)

Industrial Patents Corporation. (See Walter, Charles T., assignor.)

Industrial Patents Corporation. (See Wickliffe, John K.)

Industrial Rayon Corporation. (See Lovett, Louis E., assignor.)

Industrial Rayon Corporation. (See Samerdyke, Fred J., assignor.)

Ingersoll-Rand Company. (See Smith, William A., Sr., assignor.)

Inland Steel Company. (See Harder, Oscar E., assignor.)

Insta-Freeze Corporation. (See Lindsey, Ernest E., assignor.)

Interchemical Corporation. (See Rolle, Clifford J., assignor.)

International Business Machines Corporation. (See Carroll, Fred M., assignor.)

International Business Machines Corporation. (See Doty, Charles R., assignor.)

International Business Machines Corporation. (See Fitch, Clyde J., assignor.)

International Business Machines Corporation. (See Fitch, C. J., and Schneider, assignors.)

International Business Machines Corporation. (See Fuller, Frederick L., assignor.)

International Business Machines Corporation. (See Ghertman, Goino, assignor.)

International Business Machines Corporation. (See Knutson, Irving B., assignor.)

International Business Machines Corporation. (See Mills, Albert W., assignor.)

International Business Machines Corporation. (See Nichols, Harry J., assignor.)

International Business Machines Corporation. (See Peirce, John R., assignor.)

International Business Machines Corporation. (See Tauschek, Gustav, assignor.)

International Business Machines Corporation. (See Wallat, Wilhelm, assignor.)

International Nickel Company. (See Clappier, R. R., and McDowell, assignors.)

International Standard Electric Corporation. (See Brown, Andrew, assignor.)

International Standard Electric Corporation. (See Giroud, Pierre, assignor.)

International Standard Electric Corporation. (See Griffiths, J. B., and Brown, assignors.)

International Standard Electric Corporation. (See Perroux, Georges E. M., assignor.)

International Standard Electric Corporation. (See Tahon, Robert G., assignor.)

International Supply Company. (See Wrigley, James B., assignor.)

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products, Chicago, Ill. Polymerization of olefins. 2,181,942; Dec. 5.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,182,588; Dec. 5.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Compartment door latch. 2,182,589; Dec. 5.

Jacobson, Roy G., Rockford, Ill. Boring head. 2,182,478; Dec. 5.

Janes, Ralph R., Roanoke, Va. Random dyeing machine for yarn. 2,182,752; Dec. 5.

Janetschke, Erwin, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Conversion system. 2,182,628; Dec. 5.

Janeway, Price W., Jr., Media, Pa., assignor to B. Chance, Mantoloking, N. J. Control system. 2,182,696; Dec. 5.

Jasberg, Onni J., Kellogg, Idaho. Pumping system. 2,181,973; Dec. 5.

Jelinek, Otto K., Chicago, Ill. Defining roadways. 2,182,697; Dec. 5.

Jenkins, Charles M. (See Walker, R. M., Jenkins, and Strong.)

Jensen, Lloyd B. (See Urbain, W. M., and Jensen.)

Jepson, Ivar, and P. A. Chamberlain, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Mixer motor unit. 2,182,083; Dec. 5.

Johansson, Ernest G., Watertown, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meter connection device. 2,182,629; Dec. 5.

Johns-Manville Corporation. (See Rembert, E. W., and Bertogliat, assignors.)

Johnson, Arnold E., Ringoes, N. J., assignor to Saks and Company, New York, N. Y. Container. 2,182,615; Dec. 5.

Johnson Laboratories, Inc. (See Crossley, Alfred, assignor.)

Johnson, Thomas T., assignor to Myers-Spaiti Manufacturing Company, Houston, Tex. Folding chair. 2,182,761; Dec. 5.

Johnston, Howard M., and P. Bjerre, assignors to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Control device for power lift mechanisms. 2,181,994; Dec. 5.

Johnstone, James O., East Chicago, Ind., assignor to The Glidden Company, Cleveland, Ohio. Red lead composition. 2,182,436; Dec. 5.

Johnstone, James O., East Chicago, Ind., assignor to The Glidden Company, Cleveland, Ohio. Lead oxide and method of preparation. 2,182,479; Dec. 5.

Jones, Charles, assignor to Pearson Sanding Machine Company, High Point, N. C. Tiltable adjustable sanding wheel. 2,182,725; Dec. 5.

Jonkhoff, Henri W., Arnhem, Netherlands. Steerable bogie for vehicles. 2,182,437; Dec. 5.

Jordan, Henry. (See Murphy, A. R., and Jordan.)

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for shaping uppers over lasts. 2,181,896; Dec. 5.

Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Method of and apparatus for mining. 2,182,127; Dec. 5.

Jubilee Manufacturing Co. (See Nielsen, Peter, assignor.)

Junkers Flugzeug-und Motorenwerke Aktiengesellschaft. (See Kotz, F., and Bergmann, assignors.)

Juthe, Kristian A., Newton Center, assignor to American Electric Furnace Company, Dorchester, Mass. Apparatus for continuous heating and cooling of metals. 2,182,616; Dec. 5.

Kalm, Julius. (See Schulz, Walter F., assignor.)

Kahn, Robert L., Chicago, Ill. Gear shifting mechanism. 2,182,438; Dec. 5.

Kalmer, Fred R., York, Pa., assignor to General Electric Company. Electrical cable. 2,182,667; Dec. 5.

Kalmer, Fred R., York, Pa., assignor to General Electric Company. Electrical conductor and insulation therefor. 2,182,668; Dec. 5.

Kalbfell, Charles, New York, N. Y. Detachable interconnecting chain link. 2,182,439; Dec. 5.

Kalishe, Casey. (See Elsby, W., and Kalishe.)

Kapp, Milton R., Vinita, Okla. Window blind. 2,181,897; Dec. 5.

Karitzky, John, assignor to Diamond Expansion Bolt Company, Garwood, N. J. Method and apparatus for making helices without the aid of a core or mandrel. 2,182,342; Dec. 5.

Kastler, Edward L., Waukegan, assignor of one-half to P. S. Mantonya, Chicago, Ill. Refrigerating apparatus. 2,181,898; Dec. 5.

Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)

Keelavite Company Limited, The. (See Booth, Ernest, assignor.)

Keelavite Company Limited, The. (See Booth, Melville B., assignor.)

Kehl, Robert J., Bayside, N. Y., assignor by mesne assignments, to Union Carbide and Carbon Corporation. Heating broad surfaces. 2,181,974; Dec. 5.

Keil, Hermann, Berlin-Lankwitz, assignor to the firm Deutsche Hollerith Maschinen G. m. b. H., Berlin-Lichterfelde, Germany. Card stacking device. 2,181,995; Dec. 5.

Kellwagen, Walter, Milwaukee, Wis. Educational device. 2,182,084; Dec. 5.

Kellner, Emery. (See Kellner, John E. and E.)

Kellner, John E. and E., Chicago, Ill. Shock absorber for automobiles. 2,182,085; Dec. 5.

Kellogg Company. (See Thompson, Joseph J., assignor.)

Kellogg, M. W., Company, The. (See Marshall, Walton H., Jr., assignor.)

Kennedy, Dewey M., Rochester, N. Y. Infant's bathing device. 2,182,669; Dec. 5.

Kennedy, Joseph E., New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation. Tube and the like mills. 2,181,943; Dec. 5.

Kennedy, Theodore R., Morrisville, Pa., assignor to Ajax Electrothermic Corporation, Ewing Township, N. J. Transformer. 2,181,899; Dec. 5.

Kennedy-Van Saun Mfg. & Eng. Corporation. (See Kennedy, Joseph E., assignor.)

Kenyon, Alonzo F., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power distribution system. 2,182,630; Dec. 5.

Kenyon, Alonzo F., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,182,631; Dec. 5.

Kerk Guild, Inc. (See Hokerk, Lynde D., assignor.)

Kerrick, Walter B. (See Clayton, B., Kerrick, Stadt, and Thurman.)

Kiernan, Frank A., Portland, Oreg. Communication recording system. 2,182,632; Dec. 5.

King, Bert W., Detroit, Mich. Scale. 2,182,590; Dec. 5.

King, Charles S. (See Block, L., and King.)

King, William. (See Lowe, Joseph H., and King.)

King, Willis L., Rockville Centre, and H. T. Horscraft, Oceanside, N. Y. Cake cutter and server. 2,182,726; Dec. 5.

Kingsbury Machine Works, Inc. (See Howarth, Harry A. S., assignor.)

Kirk, Cecil E., Edna, Tex. Repair clamp. 2,182,258; Dec. 5.

Kirkwood, Hugh F., Bucksport, Maine. Cigarette maker. 2,182,698; Dec. 5.

Kirsten Lighting Corporation. (See Lubcke, Charles M., assignor.)

Klein, Gerald, Berlin-Lichterfelde, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Telephone set for communication in airplanes. 2,182,727; Dec. 5.

Kleine, Johannes, Dessau, and G. Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Production of black-and-white photographic pictures. 2,181,944; Dec. 5.

Klemperer, Hans, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ignition starter circuits. 2,182,633; Dec. 5.

Kline, R. E. (See Brumbly, Joseph O., assignor.)

Knowland, Thomas M., Belmont, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Vulcanizing machine. 2,182,317; Dec. 5.

Knudsen, Percy E. (See Cox, S. F., and Knudsen.)

Knutson, Irving B., Chicago, Ill., assignor to International Business Machines Corporation, New York, N. Y. Perforated card interpreter. 2,181,996; Dec. 5.

Koebel, Charles J., Detroit, Mich. Core bit. 2,182,562; Dec. 5.

Koelliker, George P. (See Carroll, Fred H., assignor.)

Komarik, Stephan L., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Apparatus for canning meat. 2,181,945; Dec. 5.

Konicek, George, Bruce Township, Benton County, Iowa. Transfer cart. 2,182,259; Dec. 5.

Koppers Company. (See Lavely, Paul H., assignor.)

Kotz, Fritz, Madgeburg, and A. Bergmann, assignors to Junkers Flugzeug- und Motorenwerke Aktiengesellschaft, Dessau, Germany. Extinguishing burning light metals and preventing their ignition. 2,182,440; Dec. 5.

Kovar, John R., Anoka, Minn. Harrow control device. 2,182,260; Dec. 5.

Kramarenko, Alexandre. (See Wilen, Charles H., and Kramarenko.)

Kramer, William, Richmond Hill, N. Y. Toy airplane. 2,182,591; Dec. 5.

Kraus, Charles E., Sparks, Md. Colloidal mineral matter. 2,182,086; Dec. 5.

Kraus, Josef. (See Dirscherl, W., and Kraus.)

Kreis, Joseph D., and E. W. McKinney, assignors to The McKinney Tool and Manufacturing Company, Cleveland, Ohio. Fluid actuated rolled forming machine. 2,182,401; Dec. 5.

Krout, Walter C., Charlotte, N. C. Device for packaging men's collar attached shirts. 2,182,050; Dec. 5.

Krum, Howard L., Kenilworth, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,182,634; Dec. 5.

Krum, Howard L., Kenilworth, and C. W. Swan, assignors to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,182,635; Dec. 5.

Kühler & Niethammer, et al. (See Schwabe, Kurt, assignor.)

Kucher, Andrew A., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigeration. 2,182,153; Dec. 5.

Kuhnle, Frederick C., assignor to American Brass Novelty Company, Grand Haven, Mich. Annealing apparatus. 2,182,294; Dec. 5.

Kurth, Walter, Grantwood, N. J. Closing structure. 2,182,051; Dec. 5.

Kuzell, Charles R., Clarkdale, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y. Metallurgy. 2,182,128; Dec. 5.

Kuzell, Charles R., Clarkdale, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y. Metallurgy. 2,182,129; Dec. 5.

Lakenbach, Daniel, Norwich, Conn. Permanent waving device. 2,182,636; Dec. 5.

Lamb, Roy A. (See Crickmer, C. S., and Lamb.)

Lambach, Fritz, Belleville, N. J., assignor to Robert Reiner, Incorporated. Knitting machine. 2,182,493; Dec. 5.

Lancaster, Jeter M., High Point, N. C. Frame pressing machine. 2,182,154; Dec. 5.

Landberg, George, New York, N. Y. Purse mounting for handbags. 2,182,563; Dec. 5.

Landers Frary & Clark. (See Anderson, Oscar M., assignor.)

Lang, Otto W., and H. C. Betts, San Francisco, Calif.; said Betts assignor of fifteen per cent to said Lang. Processing canned foods. 2,182,383; Dec. 5.

Langdon, Jesse D., Los Angeles, Calif. Piston and flush valve. 2,181,900; Dec. 5.

Larsen, Earl I. (See Hensel, F. R., and Larsen.)

Larsen, Louis A. (See Carter, P. M., and Larsen.)

Lasier, David R., assignor to Norton Lasier Company, Chicago, Ill. Releasable holding arms for door checks. 2,182,206; Dec. 5.

Lautz, Raymond T. (See Dunham, G. W., and Lautz.)

Lavely, Paul H., Pittsburgh, Pa., assignor to Koppers Company. Coke-oven door machine. 2,182,494; Dec. 5.

Layne and Bowler, Incorporated. (See Sinclair, John M., assignor.)

Leadbetter, Ralph L. (See Chipley, A. S., and Leadbetter.)

Le Bleu, Charles, Los Angeles, Calif. Heavy duty scraper. 2,182,670; Dec. 5.

Le Blond, Richard K., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Attachment for cutter grinders. 2,182,231; Dec. 5.

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Meyer, assignors.)

Le Blond, R. K., Machine Tool Company, The. (See Le Blond, Richard K., assignor.)

Lebocey, Gaston, Troyes, France. Automatic variable output feeder for shaped knitted articles. 2,182,295; Dec. 5.

Lee, Bert, Sacramento, Calif., assignor to A. J. Musselman, Cleveland Heights, Ohio. Two-speed coaster brake. 2,182,025; Dec. 5.

Lee, Charles L., deceased, by L. J. Lee, executrix, assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,181,975; Dec. 5.

Lee, George L., Maplewood, N. J. Display apparatus. 2,182,441; Dec. 5.

Lee, Leefe J., executrix. (See Lee, Charles L.)

Leechgrip Company. (See Spencer, Herman J., assignor.)

Lefferdink, Berend W. and G. G., Firth, Nebr. Straw hood lifter and belt releaser. 2,182,592; Dec. 5.

Lefferdink, Glenn G. (See Lefferdink, Berend W. and G. G.)

Leiboff, Samuel L., New York, N. Y. Extraction process. 2,182,564; Dec. 5.

Leitz, E., Inc. (See Schenk, Friedrich, assignor.)

Lemke, Leo O. H., Minneapolis, Minn. Match book structure. 2,182,495; Dec. 5.

Lemon, Robert L., Indianapolis, Ind. Telephone attachment. 2,182,496; Dec. 5.

Lenk, George L. (See Phillips, F. O., and Evans, assignors.)

Lester Engineering Company. (See Schwartz, William H., assignor.)

Lester Engineering Company, The. (See Lester, Nathan, assignor.)

Lester, Nathan, Cleveland Heights, assignor to The Lester Engineering Company, Cleveland, Ohio. Gate for die casting. 1,182,402; Dec. 5.

Lester, Nathan, Cleveland Heights, assignor to The Lester Engineering Company, Cleveland, Ohio. Melting pot. 2,182,403; Dec. 5.

Levene, Louis L., Merrick, N. Y. Building construction. 2,182,593; Dec. 5.

Leverenz, Humboldt W., Collingswood, N. J., assignor to Radio Corporation of America. Luminescent material. 2,182,087; Dec. 5.

Levine, Harry, Cleveland Heights, Ohio. Producing a variety of trimming effects. 2,182,521; Dec. 5.

Libbey-Owens-Ford Glass Company. (See Lowry, Clyde D., assignor.)

Libbey-Owens-Ford Glass Company. (See Paddock, Ormond H., assignor.)

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Brake hanger bracket. 2,182,746; Dec. 5.

Linde Air Products Company, The. (See Baird, A. W., and Outcalt, assignors.)

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Resonant line. 2,181,901; Dec. 5.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. High voltage generator. 2,181,946; Dec. 5.

Lindsey, Ernest E., Los Angeles, Calif., assignor to Insta-Freeze Corporation. Mechanical movement. 2,182,522; Dec. 5.

Link-Belt Company. (See McAninch, Herbert A., assignor.)

Link, Forest L. W., Silverton, assignor to The Globe-Wernicke Company, Norwood, Ohio. Slide shelf construction. 2,182,026; Dec. 5.

Liquid Carbonic Corporation, The. (See Wagner, Melvin, assignor.)

Little, Charles H. (See Little, Charles H., assignor.)

Little, Charles Hubbard. (See Little, Charles Henry and Charles Hubbard.)

Little, Charles H., assignor of one-tenth to C. H. Little, Cleveland Heights, Ohio. Ruler. 2,182,027; Dec. 5.

Little, Charles Henry and Charles Hubbard, Cleveland Heights, Ohio. Drafting ruler. 2,182,028; Dec. 5.

Littleway Process Company, The. (See Fausse, Joseph, assignor.)

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,182,343; Dec. 5.

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,182,344; Dec. 5.

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Handle. 2,182,565; Dec. 5.

Logan, Henry H., Chicago, Ill. Controller. 2,182,088; Dec. 5.

Longenecker, Levi S., Mount Lebanon, Pa. Introducing fuel into an open hearth furnace. 2,182,498; Dec. 5.

Longenecker, Levi S., Pittsburgh, Pa. Apparatus for introducing fuel into an open hearth furnace. 2,182,497; Dec. 5.

Lotz, Rudolph W., assignor of five-tenths to H. H. Panama and one-tenth to E. Frieder, Chicago, Ill., and four-tenths to S. Ungerleider, New York, N. Y. Card or Centrifugal rectification. 2,182,566; Dec. 5.

Loumiet y Lavigne, Juan, Playa de la Teja, Itabo, Cuba. Centrifugal rectification. 2,182,566; Dec. 5.

Lovett, Louis E., Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Transfer mechanism. 2,181,902; Dec. 5.

Lowe, Joseph H., Eastcote, Pinner, and W. King, deceased, Eastcote, Ruislip, by I. W. Girvan, executor, Denham Village, assignors to The Pipe-Joint Manufacturing Company Limited, London, England. Device for use in making pipe joints. 2,182,671; Dec. 5.

Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Division and corner bar construction. 2,182,480; Dec. 5.

Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mounting for blackboards and the like. 2,182,481; Dec. 5.

Lowy, Alexander, and C. H. Campbell, Pittsburgh, Pa. Restoring inked documents. 2,182,672; Dec. 5.

Lowy, Ferenc, London, England. Dart. 2,182,296; Dec. 5.

Lubcke, Charles M., assignor to Kirsten Lighting Corporation, Seattle, Wash. Time delay relay. 2,182,130; Dec. 5.

Ludlow, Edmund. (See Noblitt, Q. G., and Ludlow.)

Lueder, Holger, Berlin-Friedenau, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Frequency dependent damping network. 2,182,089; Dec. 5.

Luminous Tube Control Corporation. (See Reitherman, Ralph W., assignor.)

Lurk, Hans J., Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, Berlin, Germany. Automatic telephone system. 2,182,482; Dec. 5.

Lutz, John A. (See Bolesky, W. F., Waleke, and Lutz.)

Lutz, Willard C., Lancaster, Pa. Silo. 2,182,728; Dec. 5.

M and M Wood Working Company. (See Cone, Charles N., assignor.)

Maas, Julian, St. Louis, Mo. Container. 2,182,261; Dec. 5.

Maby, Edelbert C., et al., executors. (See Peirce, John R.)

MacGregor, Laurence B., Long Beach, Calif. Plug. 2,182,483; Dec. 5.

Macklanburg, Louis A., Oklahoma City, Okla. Weather strip assembly. 2,182,207; Dec. 5.

Maede, Leland S., Brooklyn, N. Y. Coffee mill. 2,182,131; Dec. 5.

Maekawa, Koichiro, assignor to Tokyo Shibaura Denki Kabushiki Kaisha, Tokyo, Japan. Parallel electric power transmission system. 2,182,297; Dec. 5.

Maeser, Mieth, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Presser member for clicking machines. 2,181,903; Dec. 5.

Magnano, Everino, Durham, Conn. Screw driver. 2,182,673; Dec. 5.

Magovern, John N., Agawam, Mass. Plant marker. 2,181,977; Dec. 5.

Maiser, Georg. (See Goldacker, P., Maiser, and Schmitz-Hillebrecht.)

Malat, Frank J. (See Semple, C. E., Jr., and Malat.)

Malek, Morris S., Ridgefield, N. J. Device for the fabrication of neckties. 2,181,997; Dec. 5.

Mallory, Marion, Detroit, Mich. Carburetor. 2,182,090; Dec. 5.

Mallory, Marion, Detroit, Mich. Charging device for internal combustion engines. 2,182,091; Dec. 5.

Mallory, P. R., & Co. (See Hensel, Franz R., assignor.)

Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)

Mallory, P. R., & Co. (See Sellew, William H., assignor.)

Malmqvist, Johan D., Boliden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Measuring gravity. 2,182,298; Dec. 5.

Maltbie Chemical Company, The. (See Fosbinder, Russel J., assignor.)

Mandel, Jacob. (See Scheinman, S., and Mandel.)

Manning, Maxwell & Moore, Incorporated. (See Whitcomb, Preston, assignor.)

Mantell, Charles L., Manhasset, assignor to Hardy Metallurgical Company, New York, N. Y. Production of metal powders. 2,182,567; Dec. 5.

Mantonya, Paul S. (See Kastler, Edward L., assignor.)

Maranville, Harvey F., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for forming pneumatic tire casings. 2,182,176; Dec. 5.

Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Relay timing circuits and systems. 2,182,637; Dec. 5.

Marcleph & Co. Inc. (See Goodman, Leo A., assignor.)

Marczak, Joseph J., Bigpoint, Miss. Decorticating machine. 2,182,729; Dec. 5.

Markham, Ralph, Chicago, Ill. Automobile signal switch. 2,182,029; Dec. 5.

Markowski, Joseph H., Toledo, Ohio. Structural element and connector. 2,182,523; Dec. 5.

Marshall, Walton H., Jr., Nutley, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Production of hydrogen by the high pressure iron process. 2,182,747; Dec. 5.

Martin, Angus A. (See Thompson, R. E., and Martin.)

Martin, Charles E., Binghamton, assignor to Endicott Johnson Corporation, Endicott, N. Y. Toe softener. 2,182,541; Dec. 5.

Martin, Marcel A., Paris, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Light projecting device. 2,182,155; Dec. 5.

Marx, Louis & Company. (See Rexford, Willis E., assignor.)

Massey-Harris Company, Limited. (See Johnston, H. M., and Bjerre, assignors.)

Matt, Ovillian, et al. (See Cormier, Farrier, assignor.)

Mattern, D. Lewis. (See Erdman, Jay, assignor.)

Matthes, Archer L., Youngstown, Ohio. Vitreous enameled sheet and production thereof. 2,182,132; Dec. 5.

Mattia, Pietro, Embabeh, Cairo, Egypt. Change speed mechanism. 2,182,542; Dec. 5.

Mattson, Arnold, Greeley, Colo. Tap lock expansion or cotter pin. 2,182,299; Dec. 5.

Matveyeff, Michael N., Stratford, Conn., assignor of eighty per cent to E. C. Gillette and twenty per cent to J. P. Nikonow, New York, N. Y. Box stitching machine. 2,182,504; Dec. 5.

Maurer, Edwin R., assignor to Chrysler Corporation, Detroit, Mich. Driving mechanism and clutch therefor. 2,182,404; Dec. 5.

Maxwell, Joseph A., Drew, Miss. Vehicle direction signal. 2,182,699; Dec. 5.

Maxwell, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive. 2,182,524; Dec. 5.

May, William A., Spokane, Wash. Device for holding dental floss. 2,182,525; Dec. 5.

Maynard, Arthur H., Warwick, and J. M. Gambao, East Greenwich, assignors to Boston Wire Stitcher Company, Warwick, R. I. Fastener-applying device. 2,181,904; Dec. 5.

McAninch, Herbert A., Indianapolis, Ind., assignor to Link-Belt Company. Roller chain and link for conveyers. 2,182,443; Dec. 5.

McCandless, Paul C., Butler, Pa. Emergency circuit breaker. 2,182,300; Dec. 5.

McCarroll, Russell H., assignor to Ford Motor Company, Dearborn, Mich. Making thin walled plated pistons for internal combustion engines. 2,181,947; Dec. 5.

McCarty, Daniel J., Los Angeles, Calif. Device for placing bag covers over garments. 2,182,156; Dec. 5.

McClellan, Fred C., assignor, by mesne assignments, to Rayolite Rifle Company, Chicago, Ill. Target practicing apparatus. 2,181,948; Dec. 5.

McCrery, Harold E., assignor to Fibresteel, Inc., Dayton, Ohio. Container and making the same. 2,181,905; Dec. 5.

McDaniel, Charles R., Oklahoma City, Okla. Sealing structure for deep well pumps. 2,182,730; Dec. 5.

McDermott, Frank A. (See Hopkins, H. H., and McDermott.)

McDermott, John J., Epworth, Iowa. Rotary corn uncoverer. 2,182,157; Dec. 5.

McDowell, James O. (See Clappier, R. R., and McDowell.)

McEniry, Horace, assignor of one-half to J. B. Smathers, and one-tenth to F. W. Hutchins, Asheville, N. C. Control device. 2,182,030; Dec. 5.

McGee, James D. (See Blumlein, A. D., and McGeeo.)

McGregor, Rob R., Swissvale, assignor to N. S. Garbisch, Butler, Pa. Recovery of wastes from glass grinding and polishing operations. 2,182,384; Dec. 5.

McKinney, Elsmere W. (See Kreis, J. D., and McKinney.)

McKinney Tool and Manufacturing Company, The. (See Kreis, J. D., and McKinney, assignors.)

McKinnie, Roxton C., Detroit, Mich. Roofing element. 2,182,444; Dec. 5.

McNair, Stuart S. (See Davis, Freeman H., assignor.)

McRaven, Charles H., Houston, Tex., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Pressure regulating device. 2,182,731; Dec. 5.

Mengeringhausen, Ernst, Oberbruch, and F. Berndt, Sydowsaue, near Stettin, Germany, assignors to North American Rayon Corporation, New York, N. Y. Manufacture of artificial silk. 2,182,762; Dec. 5.

Mercier, Jean, Neuilly-sur-Seine, France. Jointed mechanism. 2,181,949; Dec. 5.

Merla Tool Company. (See Crickmer, C. S., and Lamb, assignors.)

Meyer, Friedrich, Berlin-Halensee, and H.-J. Spanner, Berlin, Germany, and E. Germer, Stockholm, Sweden, assignors, by mesne assignments, to General Electric Company. Metal vapor lamp. 2,182,732; Dec. 5.

Meyer, Walter R. (See Groene, W. F., and Meyer.)

Michel, Richard, Krefeld-Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization of olefins. 2,182,617; Dec. 5.

Michigan Alkali Company, The. (See Roderick, Howard, assignor.)

Mickley, Joseph K., Western Springs, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,182,158; Dec. 5.

Micher, Gustav H., Carlinville, Ill. Bicycle. 2,182,345; Dec. 5.

Milich, Vlada, Detroit, Mich. Caster. 2,182,445; Dec. 5.

Miller, Clemmy O., and A. E. Siehrs, Chicago, Ill., assignors to North American Rayon Corporation, New York, N. Y. Manufacture of cellulose esters. 2,181,906; Dec. 5.

Miller, Edward L., Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Extractor. 2,182,346; Dec. 5.

Miller, Edward L., and T. A. Bryson, Troy, assignors, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y. Centrifugal apparatus. 2,182,159; Dec. 5.

Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,181,998; Dec. 5.

Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,181,999; Dec. 5.

Mills, Donald H., Detroit, Mich. Automobile bumper antenna system and mounting. 2,182,484; Dec. 5.

Mink, Leon D. (See Newton, R. C., and Mink.)

Minkow, Julius M., New York, N. Y., assignor to R. Minkow, Richmond Hill, N. Y. Clutching mechanism. 2,182,733; Dec. 5.

Minkow, Robert. (See Minkow, Julius M., assignor.)

Mjolsness, Haakon, Minneapolis, Minn. Apparatus for separating grain. 2,182,638; Dec. 5.

Moffat, John H., Indianapolis, and C. H. Taylor, South Bend, Ind. Parking device. 2,181,907; Dec. 5.

Moloney, Raymond T. (See Williams, Harry E., assignor.)

Monsanto Chemical Company. (See Hatfield, Ira, assignor.)

"Montecatini" Società Generale per l'Industria Mineraria e Chimica. (See Fortunato, Marino, assignor.)

Montgomery, Randolph B., Pasadena, Calif. Ax handle. 2,182,031; Dec. 5.

Moomaw, Lewis H., Wilmette, Ill. Camera. 2,182,133; Dec. 5.

Morain, Clifford F., Youngstown, Ohio, assignor to General Paint Corporation, San Francisco, Calif. Pipe wrapper stripping apparatus. 2,182,301; Dec. 5.

Morck, Alfred A., New York, N. Y. Vending machine. 2,182,639; Dec. 5.

Morton, Alexander M., Belle Vernon, Pa. Metallurgical furnace. 2,182,675; Dec. 5.

Morton, Alexander M., Monessen, Pa. Open-hearth furnace. 2,182,674; Dec. 5.

Moyle, Clarence L. (See Britton, E. C., and Moyle.)

Muehlbauer, Fritz, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Producing phthalocyanine dyestuffs. 2,182,763; Dec. 5.

Muller, Edward A., Long Island City, N. Y. Apparatus for packaging products. 2,182,700; Dec. 5.

Muller, Oscar, Newark, assignor of one-third to R. Babineau, Irvington, N. J. Beverage dispensing apparatus. 2,182,032; Dec. 5.

Murdock, Fred J., Statesville, N. C. Chair. 2,182,485; Dec. 5.

Murphy, Arthur R., deceased, by M. R. Murphy, administratrix, Penns Grove, N. J., and H. Jordan, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo compound. 2,182,347; Dec. 5.

Murphy, Arthur R., deceased, by M. R. Murphy, administratrix, Penns Grove, N. J., and H. Jordan, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyazo dye. 2,182,348; Dec. 5.

Murphy, Margaret R., administratrix. (See Murphy, A. R., and Jordan.)

Murrah, Paul, Corinth, Miss. Valve stem grinding tool. 2,182,543; Dec. 5.

Murray, Thomas E., Jr., Brooklyn, N. Y. Tubular unit for boiler walls. 2,181,950; Dec. 5.

Murrian, James A., K. J. Chapman, and W. M. Fulton, assignors to W. J. Savage Company, Inc., Knoxville, Tenn. Nibbling machine. 2,182,544; Dec. 5.

Musselman, Alvin J. (See Lee, Bert, assignor.)

Mussey, William H., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Car truck. 2,181,908; Dec. 5.

Myers-Spaiti Manufacturing Company. (See Johnson, Thomas T., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Penning, Frans M., assignor.)

Nason, Howard K., St. Louis, assignor to Anderson-Stolz Corporation, Kansas City, Mo. Silicon modified phenolic resins and producing same. 2,182,208; Dec. 5.

National Aniline & Chemical Company. (See Perkins, Robert L., assignor.)

National Aniline & Chemical Company. (See Punnett, Ellis L., assignor.)

National Automatic Tool Company, The. (See Cregar, Howard, assignor.)

National Cash Register Company, The. (See Lee, Charles L., assignor.)

National Fibre Corporation. (See Skolnik, Max, assignor.)

National Hops Laboratories, Inc. (See Wood, Lyndon D., assignor.)

Nelson, George T., Lebanon, Tenn. Expansion joint setting apparatus. 2,182,302; Dec. 5.

Nelson, Howard M., assignor to Stratton & Terstegge Co., Louisville, Ky. Minnow bucket. 2,182,160; Dec. 5.

Nelson, Oscar J., assignor to The Hoover Company, North Canton, Ohio. Electrical connector. 2,182,446; Dec. 5.

Neracher, Carl A., and A. J. Syrovy, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Clutch. 2,182,385; Dec. 5.

Newell, Harold D., Beaver Falls, assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Tube and other container. 2,182,177; Dec. 5.

Newill, Edward B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,182,318; Dec. 5.

Newton, Roy C., and L. D. Mink, assignors to Industrial Patents Corporation, Chicago, Ill. Egg product. 2,182,209; Dec. 5.

New York Pressing Iron Co. Inc. (See Cohen, Hyman E., assignor.)

Nichols, Harry J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Synchronizing system. 2,182,000; Dec. 5.

Nickerson, Orva O., assignor to Fort Wayne Corrugated Paper Company, Fort Wayne, Ind. Shipping container. 2,182,748; Dec. 5.

Nielsen, Peter, assignor to Jubilee Manufacturing Co., Omaha, Nebr. Flexible fan. 2,182,161; Dec. 5.

Niesemann, Fritz, assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Service regulator. 2,182,701; Dec. 5.

Nightenhelser, Bert, Westfield, and J. Ballard, Noblesville, Ind. Corn picking machine. 2,182,772; Dec. 5.

Nikonow, John P., et al. (See Matveyeff, Michael N., assignor.)

Nilson, Harold, assignor of one-third to J. A. Edeby, Wayzata, and one-third to E. Berglund, Minneapolis, Minn. Jack. 2,182,676; Dec. 5.

Nissley, Jacob H., et al. (See Peltz, Gordon M., assignor.)

Noblilum Products, Inc. (See Szabo, Arthur, assignor.)

Noblitt, Quintin G., and E. Ludlow, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Muffler. 2,182,405; Dec. 5.

Noblitt-Sparks Idustries, Inc. (See Noblitt, Q. G., and Ludlow, assignors.)

North American Rayon Corporation. (See Mengeringhausen, E., and Berndt, assignors.)

North American Rayon Corporation. (See Miller, C. O., and Siehrs, assignors.)

North American Rayon Corporation. (See Scherer, Philip C., Jr., assignor.)

North American Rayon Corporation. (See Uytenbogaart, J., and Hartmann, assignors.)

Norton Company. (See Cole, Raymond A., assignor.)

Norton Lasier Company. (See Lasier, David R., assignor.)

Norvik, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Sheet feeding mechanism. 2,182,595; Dec. 5.

Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shank stiffener unit. 2,182,033; Dec. 5.

Oberstadt, Peter B. (See von Oberstadt, Peter-Franz G. B.)

O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Gas stove. 2,182,734; Dec. 5.

O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Liquid heating apparatus. 2,182,735; Dec. 5.

Oestreicher, George J., Cleveland, Ohio. Liquid level gauge. 2,182,749; Dec. 5.

Ogsbury, Stanton C., Boise, and C. Barron, Fairfield, Idaho, and I. R. Park, Seattle, Wash. Toy aircraft. 2,182,406; Dec. 5.

Oil Devices. (See Breese, James L., assignor.)

Oilgear Company, The. (See Ferris, Walter, assignor.)

O'Leary, Theodor A., New York, assignor of one-third to W. Foster and one-third to H. Wunderlich, Brooklyn, N. Y. Screw and making same. 2,182,092; Dec. 5.

Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt fastener. 2,182,232; Dec. 5.

Olsen, Ole A., Gentofte, Denmark. Steering mechanism for automobiles and correspondingly steered vehicles. 2,182,596; Dec. 5.

Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Screw. 2,182,568; Dec. 5.

Osner, Clarence W., and H. W. Ekholm, assignors to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam. 2,182,210; Dec. 5.

Östberg, Karl G., Stockholm, assignor to Fabriksaktiebolaget Haldataxametern, Halmstad, Sweden. Machine for cutting or shearing metal plates and the like. 2,182,162; Dec. 5.

Oster, John, assignor to John Oster Manufacturing Company, Racine, Wis. Hair clipper. 2,182,597; Dec. 5.

Oster, John, Mnufacturing Company. (See Oster, John, assignor.)

Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y., Improving the available resolving power of microscopes. 2,182,490; Dec. 5.

Outcalt, Frederick G. (See Baird, A. W., and Outcalt.)

Owen, Frederick E., assignor to The Electrical Refractories Company, East Palestine, Ohio. Electrical heating unit. 2,182,319; Dec. 5.

Owen, John D., Stoughton, Mass. Apparatus for remodeling lasts. 2,182,447; Dec. 5.

Owler, Thomas D., assignor to Coach & Car Equipment Company, Chicago, Ill. Reclining chair. 2,182,598; Dec. 5.

Oxweld Acetylene Company. (See Eskridge, Cecil V., assignor.)

Ozark Chemical Company. (See Doennecke, H. W., Douglass, and Anderson, assignors.)

Pace, Jefferson D., Shreveport, La. Oil well apparatus. 2,182,545; Dec. 5.

Pacific Electric Manufacturing Corporation. (See Schwager, August C., assignor.)

Pacific Flush Tank Company. (See Beddoes, Hubert, assignor.)

Paddock, George A., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cell cover assembly for storage batteries. 2,182,500; Dec. 5.

Paddock, Levi S., assignor to Industrial Patents Corporation, Chicago, Ill. Preparation of sausage. 2,182,211; Dec. 5.

Paddock, Ormond H., Rossford, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for bending glass sheets. 2,182,448; Dec. 5.

Pagnacco, Arrigo, Venice, Italy. Yarn tester. 2,182,349; Dec. 5.

Palmros, Alexander. (See Rugg, W. S., and Palmros.)

Panama, Herman H., et al. (See Lotz, Rudolph W., assignor.)

Paper Patents Company. (See Henderson, Charles L., assignor.)

Park, Irl R. (See Ogsbury, S. C., Barron, and Park.)

Parke, Davis & Company. (See Dox, Arthur W., assignor.)

Parks, Paul B., Oak Park, and W. M. Smith, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Temperature controlling and ventilating system. 2,182,449; Dec. 5.

Parsons, Clinton H., assignor to Industrial Patents Corporation, Chicago, Ill. Labeled cheese package. 2,182,212; Dec. 5.

Patterson, Herbert F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Braking mechanism. 2,182,386; Dec. 5.

Paulin, Edward M., Jr., Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Variable capacity compressor. 2,181,978; Dec. 5.

Pearlman, Joseph H., Des Moines, Iowa. Device for increasing effectiveness of neon signs. 2,182,233; Dec. 5.

Pearson, Ben, assignor to Ben Pearson, Inc., Pine Bluff, Ark. Arrowhead construction. 2,182,320; Dec. 5.

Pearson, Ben, Inc. (See Pearson, Ben, assignor.)

Pearson Sanding Machine Company. (See Jones, Charles, assignor.)

Peirce, John R., deceased, New York, by A. C. Mahy, Jamaica, and T. A. Gavin, Binghamton, executors, assignors to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,182,001; Dec. 5.

Peltz, Gordon M., Lancaster, assignor to H. M. Brooks, New York, N. Y., W. T. Gardiner, Boston, Mass., and J. H. Nissley, Manheim, Pa., as trustees. Ash disposal means. 2,182,093; Dec. 5.

Penning, Frans M., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Rectifying device. 2,182,736; Dec. 5.

Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Roof mounted air conditioner. 2,182,569; Dec. 5.

Pepper, Byron J. (See Sturm, F. W., and Pepper.)

Perkins, Melville F. (See Fleming, E. P., and Perkins.)

Perkins, Robert L., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Sulphur dyestuffs. 2,182,350; Dec. 5.

Perroux, Georges E. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Radio directing and direction finding system. 2,182,134; Dec. 5.

Perry, Cecil J. H. (See Baker, W. J., and Perry.)

Peterson, Liss C., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative impedance circuit. 2,181,909; Dec. 5.

Peterson, Liss C., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave amplification. 2,181,910; Dec. 5.

Petrolite Corporation. (See Eddy, Harold C., assignor.)

Petruzates, William, Eagle River, Wis. Ice creeper. 2,182,737; Dec. 5.

Phelan, Arthur J., Detroit, and H. S. Phelan, Berkley, assignors to Chrysler Corporation, Highland Park, Mich. Motor vehicle power transmission. 2,182,407; Dec. 5.

Phelan, Hubert S. (See Phelan, Arthur J. and H. S.)

Phelps, Dodge Corporation. (See Kuzell, Charles R., assignor.)

Phillips, Floyd, Sandwich, Ill. Asparagus hopper and belt. 2,182,738; Dec. 5.

Phillips, Floyd O., and G. T. Evans, Amwell Township, Washington County, assignors of one-eighth to G. L. Lenk, Washington, Pa. Machine for inspecting, boxing, and weighing metal sheets. 2,182,408; Dec. 5.

Phillips Petroleum Company. (See Drennan, Harry E., assignor.)

Phoenix Metal Cap Company. (See Crabbe, Lindsay T., assignor.)

Pierce, Earl R., and G. K. Hause, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Hydraulic brake wheel cylinder. 2,182,262; Dec. 5.

Pines, Herman. (See Ipatieff, V. N., and Pines.)

Pinkernelle, Walter, Krefeld-Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Derivative of substituted succinic acids. 2,182,178; Dec. 5.

Pipe-Joint Manufacturing Company Limited, The. (See Lowe, J. H., and King, assignors.)

Pittsburgh Equitable Meter Company. (See McRaven, Charles H., assignor.)

Pittsburgh Equitable Meter Company. (See Niesemann, Fritz, assignor.)

Pittsburgh Plate Glass Company. (See Cox, Samuel F., assignor.)

Pittsburgh Plate Glass Company. (See Cox, S. F., and Knudsen, assignors.)

Pittsburgh Plate Glass Company. (See Sherts, J. H., and Dennison, assignors.)

Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,182,163; Dec. 5.

Platts, Harvey R., Boulder, Colo. Cutlery construction. 2,182,303; Dec. 5.

Plax Corporation. (See Ferngren, Enoch T., assignor.)

Ploke, Martin, assignor to Zeiss Ikon Aktiengeselischaft, Dresden, Germany. Cathode ray tube screen. 2,182,451; Dec. 5.

Plummer, J. M. (See Thigpen, Thelma T., assignor.)

Pneuman, Arthur H., Syracuse, N. Y. Power operated hacksaw. 2,182,234; Dec. 5.

Pohlhausen, Karl, Berlin-Halensee, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric locomotive structure. 2,182,640; Dec. 5.

Poleck, Hans, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Tilting relay depending on the ratio between current and voltage and the phase displacement. 2,182,641; Dec. 5.

Polk, Robert E., executor. (See Polk, Robert H.)

Polk, Robert H., deceased, Hapeville, Ga.; R. E. Polk, executor. Vehicle steering wheel switch. 2,182,764; Dec. 5.

Polushkin, Eugene P., New York, N. Y. Hardness tester. 2,182,235; Dec. 5.

Polushkin, Eugene P., New York, N. Y. Micrometer gauge. 2,182,236; Dec. 5.

Poor & Company. (See Stolpe, Frederick J., assignor.)

Pope, Frederick, Wilton, Conn., assignor to American Cyanamid Company, New York, N. Y. Retort. 2,182,750; Dec. 5.

Poppler, William. (See Achen, C., and Poppler.)

Postal Telegraph-Cable Company (New York). (See Halliden, Frederick G., assignor.)

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag making machine. 2,182,002; Dec. 5.

Potdevin Machine Company. (See Potdevin, Adolph, assignor.)

Potts, Ralph H., La Grange, and E. W. Colt, Evanston, assignors to Armour and Company, Chicago, Ill. Treatment of glycerin lyes and of crude glycerin. 2,182,179; Dec. 5.

Previn, Ruth M., Washington, D. C. Catamenial article. 2,182,702; Dec. 5.

Price, Duane W. (See Warner, Joe H., assignor.)

Probert, George G., Walnut Park, assignor to Emsco Derrick and Equipment Company, Los Angeles, Calif. Combination boring bar guide and scaling means. 2,182,263; Dec. 5.

Probst, Karl K., Detroit, Mich., assignor to K. K. Probst and J. H. Shoemaker, trustees. Clutch. 2,182,387; Dec. 5.

Prochnow, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tuning arrangement with selective setting of predetermined frequencies. 2,182,352; Dec. 5.

Procter & Gamble Company, The. (See Eckey, Eddy W., assignor.)

Pruyn, Francis L., Sea Girt, N. J. Filter bed cleaning. 2,182,094; Dec. 5.

Pruyn, Francis L., Sea Girt, N. J. Filter bed cleaning. 2,182,095; Dec. 5.

Pullman-Standard Car Manufacturing Company. (See Mussey, William H., assignor.)

Punnett, Ellis L., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Sulphur dyestuffs. 2,182,351; Dec. 5.

Pure Oil Company, The. (See Chittick, Martin B., assignor.)

Purnell, Guy, Angleton, Tex. Detachable blade core bit. 2,182,035; Dec. 5.

Quave, Oscar E., Huntington Park, and B. B. Breslow, assignors to Utility Fan Corporation, Los Angeles, Calif. Supporting filter pads. 2,182,501; Dec. 5.

Radio Corporation of America. (See Alburger, James R., assignor.)

Radio Corporation of America. (See Carter, Philip S., assignor.)

Radio Corporation of America. (See Conklin, James W., assignor.)

Radio Corporation of America. (See Goldstine, Hallan E., assignor.)

Radio Corporation of America. (See Leverenz, Humboldt W., assignor.)

Radio Corporation of America. (See Lindenblad, Nils E., assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Tarzian, Sarkes, assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See Weinberger, Julius, assignor.)
Radio Patents Corporation. (See Guanella, Gustav, assignor.)
Radio Patents Corporation. (See Hollmann, Hans E., assignor.)
Rainey, Herbert A., Richmond, Va. Elevator safety door lock. 2,182,036; Dec. 5.
Rainwater, Jesse M., assignor of one-fourth to H. H. Bell, Sr., Augusta, Ga. Desk with sliding book support. 2,182,703; Dec. 5.
Ralston, Anderson W., and W. M. Selby, assignors to Armour and Company, Chicago, Ill. Compositions from rubber and fatty acids and preparing the same. 2,182,180; Dec. 5.
Rare Chemicals, Inc. (See Dirscherl, Wilhelm, assignor.)
Rare Chemicals, Inc. (See Dirscherl, W., and Kraus, assignors.)
Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Master cylinder. 2,182,237; Dec. 5.
Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making brake drums. 2,182,238; Dec. 5.
Raymond, Thomas E., Zanesville, Ohio. Hinge. 2,182,546; Dec. 5.
Rayolite Rifle Range Company. (See McClellan, Fred C., assignor.)
Rea, Delbert J., Detroit, Mich. Concealed elongating hinge. 2,182,704; Dec. 5.
Reach, Milton B., Springfield, Mass. Play or game ball. 2,182,052; Dec. 5.
Reach, Milton B., Springfield, Mass. Play or game ball. 2,182,053; Dec. 5.
Reardon, William F., West Hartford, Conn. Surgical device. 2,182,390; Dec. 5.
Redrup, Charles B., assignor to The Bristol Tramways & Carriage Company Limited, Bristol, England. Wobble or swash plate engine. 2,182,213; Dec. 5.
Refining, Inc. (See Clayton, B., Kerrick, Stadt, and Thurman, assignors.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reid, James S., Shaker Heights, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Apparatus for polishing thermoplastic articles. 2,182,388; Dec. 5.
Reid, James S., Shaker Heights, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Molding thermoplastic articles. 2,182,389; Dec. 5.
Reiner, Robert, Incorporated. (See Lambach, Fritz, assignor.)
Reinhardt, Gustav A., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Alloy steel. 2,182,135; Dec. 5.
Reitherman, Ralph W., Chicago, assignor to Luminous Tube Control Corporation, Evanston, Ill. Electronic pump. 2,182,751; Dec. 5.
Rembert, Ernest W., Plainfield, N. J., and D. Bertogliat, Waukegan, Ill., assignors to Johns-Manville Corporation, New York, N. Y. Making asbestos and cement products. 2,182,353; Dec. 5.
Remington Rand Inc. (See Heinrich, Henry A., assignor.)
Remington Rand, Inc. (See Vickery, Alfred E., assignor.)
Republic Flow Meters Company. (See Engel, Friedrich V. A. E., assignor.)
Republic Flow Meters Company. (See Grisdale, George W., assignor.)
Research Corporation. (See Trump, John G., assignor.)
Rexford, Willis E., Girard, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Roll-over toy. 2,182,642; Dec. 5.
Ricchiardi, Pier C., Paris, France. Electrical sound recording. 2,182,136; Dec. 5.
Richard, Paul A., Clichy, France. Air cooled engine on aircraft. 2,182,054; Dec. 5.
Richards, Kenneth D., Winchendon, Mass. Reel seat. 2,182,409; Dec. 5.
Richman, Harry, Novelties Corp. (See Hammerling, Emanuel, assignor.)
Richstone, Aaron, Poughkeepsie, N. Y. Safety razor blade holder. 2,182,354; Dec. 5.
Richter, George A., assignor to Brown Company, Berlin, N. H. Preparation of nitrocellulose. 2,181,911; Dec. 5.
Ricketts, Vernon L., Martinez, assignor to Shell Development Company, San Francisco, Calif. Soda soap grease. 2,182,137; Dec. 5.
Ries, Herman J., New York, assignor to P. W. Valentine, Brooklyn, N. Y. Treating and using plywood. 2,181,912; Dec. 5.
Rissane, August, Berkley, Mich. Lifting jack. 2,182,705; Dec. 5.
Rivat, Georges, Lyon, France, assignor to H. Dreyfus, London, England. Production of effect fabrics. 2,182,321; Dec. 5.
Roark, Henry H., Sac City, Iowa. Refrigerator. 2,182,003; Dec. 5.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Wave limiter circuit. 2,182,322; Dec. 5.
Robertson, H. H., Company. (See Young, James H., assignor.)
Robinson, Ernest Y., Enfield, England, assignor to General Electric Company. High frequency receiving apparatus. 2,182,677; Dec. 5.
Roderick, Howard, Grosse Isle, assignor to The Michigan Alkali Company, Wyandotte, Mich. Coating pigment and making same. 2,182,096; Dec. 5.
Röhm & Haas Company. (See Bruson, H. A., and Covert, assignors.)
Rolle, Clifford J., Yonkers, assignor to Interchemical Corporation, New York, N. Y. Coating process. 2,182,304; Dec. 5.
Root, Charles S., Stratford, Conn., assignor to General Electric Company. Silent tuning. 2,182,678; Dec. 5.
Rose, Herbert A., Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Anode heater for high voltage rectifiers. 2,182,643; Dec. 5.
Rose, Jay, Brooklyn, N. Y., assignor, by mesne assignments, to Wardmore Corporation. Casement window screen. 2,182,410; Dec. 5.
Rose, William R., Coventry, assignor to The General Electric Company Limited, London, England. Electromagnetic relay. 2,182,452; Dec. 5.
Rosen, Raphael, Cranford, N. J., assignor to Standard Oil Development Company. Hydrocarbon composition. 2,181,913; Dec. 5.
Rosen, Raphael, Cranford, N. J., assignor to Standard Oil Development Company. Oil composition containing arylated metallo-organic inhibitors. 2,181,914; Dec. 5.
Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Hydrocarbon composition. 2,181,915; Dec. 5.
Rosenberg, Benjamin F., and J. A. Scully, assignors to Scully-Jones & Company, Chicago, Ill. Tool holder. 2,182,411; Dec. 5.
Rosenberg, Max B., Los Angeles, Calif. Bottle holder. 2,182,164; Dec. 5.
Rosenblatt, Philip, Brooklyn, assignor to Biolite Incorporated, New York, N. Y. Display device. 2,182,570; Dec. 5.
Rosenstein, Ludwig, assignor to Shell Development Company, San Francisco, Calif. Recovery of carbon dioxide from gaseous hydrocarbons. 2,182,305; Dec. 5.
Ross, Oscar A., New York, N. Y. Paper fastener. 2,182,058; Dec. 5.
Royal Typewriter Company. (See Hart, Henry J., assignor.)
Royer Foundry and Machine Co. (See Davies, Stanley B., assignor.)
Rugg, Walter S., Pittsburgh, and A. Palmros, Rochester, Pa. Conveyer apparatus. 2,182,680; Dec. 5.
Rumer, Paul, assignor of one-half to The Washington Lumber Company, Washington Court House, Ohio. Asphalt roofing. 2,182,526; Dec. 5.
Rumford Chemical Works. (See Fiske, Augustus H., assignor.)
Rustad, Louis L., and Y. E. Extrom, assignors to Telegraphy Improvements Company, Minneapolis, Minn. Apparatus for posting electrically transmitted information. 2,182,355; Dec. 5.
Sachs, Joseph, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic circuit breaker. 2,182,773; Dec. 5.
Sadoff, Bernard J., Buenos Aires, Argentina, assignor to Industrial Patents Corporation, Chicago, Ill. Cutter. 2,182,181; Dec. 5.
Safety Valve Corporation, The. (See Van Keuren, H., and Wilkins, assignors.)
Sageb Société Anonyme de Gestion et d'Exploitation de Brevets. (See Brandt, Edgar W., assignor.)
Saks and Company. (See Johnson, Arnold E., assignor.)
Salisbury, Le Roy J., Olneyville, R. I., assignor to Freeman Daughaday Company. Cuff link construction. 2,182,502; Dec. 5.
Salmon, Reginald D. (See Thompson, A. E., and Salmon.)
Samerdyke, Fred J., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Reel. 2,181,916; Dec. 5.
Sargent Engineering Company. (See Sargent, Sumner B., Jr., assignor.)
Sargent, Sumner B., Jr., Los Angeles, Calif., assignor to Sargent Engineering Company. Pump plunger. 2,182,527; Dec. 5.
Sargeson, John, Levy Township, Quebec, Canada. Hydraulic artificial hand. 2,182,214; Dec. 5.
Sauvé, Elzear. (See Chicoine, L. P., and Sauvé.)
Savage, W. J., Company. (See Murrian, J. A., Chapman, and Fulton, assignors.)
Savary, Jean-Baptiste R., Paris, France. Safety razor. 2,182,571; Dec. 5.
Schaapveld, Henry J., West Liberty, Iowa. Cultivator. 2,181,917; Dec. 5.
Schaeffer, Albert F., Homewood, assignor of one-half to E. J. Barry, Chicago, Ill. Amusement device. 2,181,979; Dec. 5.
Schaelchlin, Walter, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ship propulsion. 2,182,644; Dec. 5.
Scheinman, Sol, White Plains, and J. Mandel, Brooklyn, N. Y. Collapsible storage file casing. 2,181,918; Dec. 5.
Schenk, Friedrich, Jamaica, N. Y., assignor to E. Leitz, Inc. Photo gun. 2,182,097; Dec. 5.
Schenzinger, August, Brooklyn, N. Y. Shuttle mechanism for ring shuttle sewing machines. 2,181,951; Dec. 5.

Scherer, Philip C., Jr., Blacksburg, Va., assignor to North American Rayon Corporation, New York, N. Y. Alkali metal cellulosates. 2,181,919; Dec. 5.
Scherer, Philip C., Jr., Blacksburg, Va., assignor to North American Rayon Corporation, New York, N. Y. Cellulose derivative and preparing same. 2,181,920; Dec. 5.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., Palo Alto, assignor to Schlage Lock Company, San Francisco, Calif. Lock mounting for hollow metal doors. 2,182,503; Dec. 5.
Schlesinger, Jacob, New York, N. Y. Ornament. 2,182,356; Dec. 5.
Schlup, Ernest G., assignor to The American Rolling Mill Company, Middletown, Ohio. Induction furnace. 2,181,921; Dec. 5.
Schmarion, Herman, New York, N. Y. Toy gun. 2,181,952; Dec. 5.
Schmitz, Fred A., Cincinnati, assignor to Globe-Wernicke Company, Norwood, Ohio. Office furniture. 2,182,037; Dec. 5.
Schmitz-Hillebrecht, Ernst. (See Goldacker, P., Maiser, and Schmitz-Hillebrecht.)
Schneider, Kurt R. (See Fitch, C. J., and Schneider.)
Schnell, William J., Berwyn, assignor to Electrical Research Laboratories Inc., Chicago, Ill. Radio tuning indicator. 2,182,572; Dec. 5.
Schoeben, Henry J., Chicago, Ill. Rupture appliance. 2,182,264; Dec. 5.
Schroedter, Edmund. (See Spetz, F. F., and Schroedter.)
Schulz, Walter F., Sahker Heights, assignor of one-half to J. Kahn, Cleveland, Ohio. Automatic phonograph. 2,182,739; Dec. 5.
Schutte & Koerting Company. (See Decker, Howard H., assignor.)
Schwabacher, Samuel I., Palo Alto, Calif. Lifeboat safety mounting. 2,182,265; Dec. 5.
Schwabe, Kurt, assignor to the firm of Kübler & Niethammer, Kriebstein, Post Waldheim in Saxony, and Chemische Fabrik Coswig-Anhalt G. m. b. H., Coswig in Anhalt, Germany. Production of pulp from highly resinous woods. 2,182,520; Dec. 5.
Schwager, August C., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Automatic reclosing circuit breaker. 2,182,239; Dec. 5.
Schwartz, Charles, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Manufacture of casein products. 2,182,357; Dec. 5.
Schwartz, George L. (See Baker, L. S., and Schwartz.)
Schwartz, Melvin J., Rose Creek, Minn. Battery cap. 2,182,266; Dec. 5.
Schwartz, William H., assignor to Lester Engineering Company, Cleveland, Ohio. Apparatus for the application of injection pressure in pressure casting machines. 2,182,059; Dec. 5.
Schweitzer, Hugo, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuff heavy metal complex compounds. 2,182,055; Dec. 5.
Schweyer, Herbert E. (See Hayden, H. P., and Schweyer.)
Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Warning signal. 2,181,922; Dec. 5.
Scully, James A. (See Rosenberg, B. F., and Scully.)
Scully-Jones & Company. (See Rosenberg, B. F., and Scully, assignors.)
Scusa, Lino, Phoenix, assignor to H. E. Torell, Syracuse, N. Y. Apparatus for measuring tension stresses. 2,182,267; Dec. 5.
Seale, Roy O., Corpus Christi, Tex. Device for obtaining core samples. 2,181,950; Dec. 5.
Segny, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Conversion and coking of hydrocarbon oils. 2,182,599; Dec. 5.
Seibel, Harry, Lawrenceburg, Ind. Apparatus and method of regauging distilled spirits. 2,182,681; Dec. 5.
Seibert, John L., Cranford, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Compensated condenser. 2,182,645; Dec. 5.
Selby, William M. (See Ralston, A. W., and Selby.)
Sellew, William H., Ann Arbor, Mich., assignor, by mesne assignments, to P. R. Mallory & Co., Inc., New York, N. Y. Duplex solution thermo-compression process. 2,182,098; Dec. 5.
Sellew, William H., Indianapolis, Ind. Heat transfer process and apparatus. 2,182,453; Dec. 5.
Semple, Charles E., Jr., and F. J. Malat, assignors to Astatic Microphone Laboratory, Inc., Youngstown, Ohio. Electric phonograph pickup. 2,182,138; Dec. 5.
Servel, Inc. (See Bäckström, Sigvar M., assignor.)
Seymour, Clayton B. (See Handy, R. G., Seymour, and Altenberg.)
Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Treatment of textile materials. 2,182,323; Dec. 5.
Shanley, Francis R., Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of the Navy. Airplane safety device. 2,182,706; Dec. 5.
Sharp, Paul F., and D. B. Hand, assignors to Cornell Research Foundation, Inc., Ithaca, N. Y. Making beta lactose. 2,182,618; Dec. 5.
Sharp, Paul F., and D. B. Hand, assignors to Cornell Research Foundation, Inc., Ithaca, N. Y. Preparing beta lactose. 2,182,619; Dec. 5.
Shell Development Company. (See Groll, H. P. A., and Burgin, assignors.)
Shell Development Company. (See Ricketts, Vernon L., assignor.)
Shell Development Company. (See Rosenstein, Ludwig, assignor.)
Sherman, Alvin G., Grosse Pointe, Mich. Ice cube tray. 2,182,454; Dec. 5.
Sherri, Antoinette. (See Arace, Thomas R., assignor.)
Sherts, James H., and B. J. Dennison, Tarentum, Pa., assignors, by mesne assignments, to Pittsburgh Plate Glass Company. Apparatus for making safety glass. 2,182,358; Dec. 5.
Shipman, Walter G., Iowa Park, Tex. Reproducing machine. 2,182,707; Dec. 5.
Shlevin, Clarence J., Brooklyn, N. Y., assignor to Farber & Shlevin, Inc. Slicing machine. 2,182,708; Dec. 5.
Shoemaker, J. H., et al., trustees. (See Probst, Karl K., assignor.)
Shroyer, Jacob L., Oak Park, Ill., assignor, by mesne assignments, to Edison General Electric Appliance Company, Incorporated. Food warming table. 2,182,682; Dec. 5.
Shutt, Charles C., Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Polyphase alternating current motor. 2,182,646; Dec. 5.
Siegel, James C., New York, N. Y. Furniture drawer lock. 2,182,504; Dec. 5.
Siehrs, Arthur E. (See Miller, C. O., and Siehrs.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Brandt, Hermann, assignor.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Klein, Gerald, assignor.)
Siemens & Halske Aktiengesellschaft. (See Lueder, Holger, assignor.)
Siemens & Halske Aktiengesellschaft. (See Lurk, Hans J., assignor.)
Siemens & Halske, Aktiengesellschaft. (See Poleck, Hans, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Stanek, Josef, assignor.)
Silbereis, Henry. (See Compton, Justin S., assignor.)
Sillman, Leonard. (See Gilbert, Edward, assignor.)
Silsby, Charles F., White Plains, assignor to The Solvay Process Company, Syracuse, N. Y. Moistureproofing regenerated cellulose. 2,182,765; Dec. 5.
Simon, Aaron, Brooklyn, assignor to Triangle Mechanical Laboratories Corp., New York, N. Y. Apparatus for treating strip steel. 2,182,060; Dec. 5.
Sinclair, John M., assignor to Layne and Bowler, Incorporated, Memphis, Tenn. Keying pump impellers to driving shafts. 2,182,240; Dec. 5.
Sissom, Alton H., Alvarado, Tex. Barrel rack. 2,182,709; Dec. 5.
Skinner Motors, Inc. (See Woodward, Arthur A., assignor.)
Skolnik, Max, Chicago, Ill., assignor to National Fibre Corporation, New York, N. Y. Pulp refiner. 2,182,391; Dec. 5.
Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric converter. 2,182,647; Dec. 5.
Smathers, J. Bat, et al. (See McEniry, Horace, assignor.)
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing o-cresyl toluene sulphonate. 2,182,360; Dec. 5.
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing benzyl hydrogen succinate. 2,182,361; Dec. 5.
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing Di-(2-(Beta-ethoxyethoxy)-ethyl) formal. 2,182,362; Dec. 5.
Smith, Henry B., and D. R. Swan, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing an alkyl carbamate and dibutyl phthalate. 2,182,359; Dec. 5.
Smith, Henry B., and D. R. Swan, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing Di-(2-beta-butoxyethoxy)-ethyl-) formal. 2,182,363; Dec. 5.
Smith, Lester C., West Hartford, assignor to The Spencer Turbine Company, Hartford, Conn. Dust separator and collector. 2,182,165; Dec. 5.
Smith, Philip A., Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company. Apparatus for heating tubular members. 2,182,364; Dec. 5.
Smith, Robert W., Flint, assignor to General Motors Corporation, Detroit, Mich. Temperature responsive resistor. 2,181,981; Dec. 5.
Smith, William A., Sr., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 2,182,365; Dec. 5.
Smith, William F., Brooklyn, N. Y. Flexible coupling. 2,182,455; Dec. 5.
Smith, William M. (See Parks, P. B., and Smith.)
Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)
Smolarek, Zenon M., Mount Pleasant, Wis. Skate sharpener. 2,181,923; Dec. 5.
Snadecki, William J. (See Crane, R., and Snadecki.)
Société Anonyme Adolphe Saurer. (See Wiget, Georg, assignor.)

Société Anonyme pour les Applications de l'Electricite et des Gaz Rares, Etablissements Claude-Paz & Silva. (See Bthenod, Joseph, assignor.)
Socony-Vacuum Oil Company. (See Gunn, Thomas M., assignor.)
Solomon, Guillermo, Santiago, Dominican Republic. Airplane. 2,182,648; Dec. 5.
Solvay Process Company, The. (See Silsby, Charles F., assignor.)
Soulat, Georges, La Guerche sur l'Aubois, France. Make and break device. 2,182,038; Dec. 5.
Spanner, Hans J. (See Meyer, F., Spanner, and Germer.)
Spanner, Hans J., Berlin-Kladow, Germany. Gas and metal vapor discharge tube. 2,181,924; Dec. 5.
Sparkes, Harry P., West Orange, N. J. Spark plug. 2,182,061; Dec. 5.
Sparklets Limited. (See Brewer, William, assignor.)
Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)
Spencer, Herman J., West View, assignor to Leechgrip Company, O'Hara Township, Allegheny County, Pa. Strap tensioning and sealing device. 2,182,004; Dec. 5.
Spencer Lens Company. (See Ott, Harvey N., assignor.)
Spencer Turbine Company, The. (See Smith, Lester C., assignor.)
Speno, Frank, Ithaca, N. Y. Dirt conveyer. 2,182,139; Dec. 5.
Spetz, Frank F., and E. Schroedter, Baldwin, N. Y. Corner shelf. 2,182,600; Dec. 5.
Spiro, Walter, White Plains, N. Y. Educational game apparatus. 2,181,925; Dec. 5.
Sproull, Charles W., Houston, Tex. Pump. 2,182,062; Dec. 5.
Stadt, Henry M. (See Clayton B., Kerrick, Stadt, and Thurman.)
Stainbrook, Clyde E., Memphis, Tenn. Baking pan. 2,182,215; Dec. 5.
Staley, Joseph H., Columbus, Ind. Baffled mercury switch. 2,182,216; Dec. 5.
Stamatoff, Gelu S., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of vinyl acetate. 2,182,528; Dec. 5.
Standard Conveyor Company. (See Eggleston, Smith, assignor.)
Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
Standard Oil Company. (See Anderson, John A., assignor.)
Standard Oil Company. (See Buckeridge, William I., assignor.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Products Company, The. (See Husted, Harry R., assignor.)
Standard Products Company, The.. (See Reid, James S., assignor.)
Standard Products Company, The. (See Tegarty, John B., assignor.)
Standard Stoker Company, The. (See Surdy, C. J., and Turner, assignors.)
Standard Stoker Company, The. (See Turner, E. A., and Surdy, assignors.)
Stanek, Josef, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Device for measuring high-frequency currents. 2,182,324; Dec. 5.
Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controller. 2,182,241; Dec. 5.
Steele, James W., North Kansas City, Mo. Electric iron. 2,182,683; Dec. 5.
Steinbrunn, Gustav. (See Hopff, H., and Steinbrunn.)
Steiner, Hans, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Control system for free stroke piston engines. 2,182,063; Dec. 5.
Stetson, Charles C., St. Paul, Minn. Freight carrier. 2,182,005; Dec. 5.
Stevens, Richard K. (See Evans, George H., assignor.)
Stevenson, William H., Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del. Production of chlorinated rubber. 2,182,456; Dec. 5.
Stewart, James S., Long Beach, Calif., assignor to W. D. Crook. Bulldozer. 2,182,412; Dec. 5.
Stewart-Warner Corporation. (See Fine, Charles A., assignor.)
Stiassni, Ernst, Brunn, Czechoslovakia. Winding machine for making large soft cops. 2,182,039; Dec. 5.
Stockman, Lester P. (See Boyer, T. E., and Stockman.)
Stolpe, Frederick J., assignor to Poor & Company, Chicago, Ill. Handwheel. 2,182,413; Dec. 5.
Stoltz, Glenn E. (See Wilson, E. D., and Stoltz.)
Straeten, Charles L., assignor to Industrial Patents Corporation, Chicago, Ill. Tying fixture. 2,182,182; Dec. 5.
Stratton & Terstegge Co. (See Nelson, Howard M., assignor.)
Strong, Carll W. (See Walker, R. M., Jenkins, and Strong.)
Sturm, Frederick W., and B. J. Pepper, assignors to The Wayne Pump Company, Fort Wayne, Ind. Liquid dispensing apparatus. 2,182,766; Dec. 5.
Sturtevant, B. F., Company. (See Cano, Vernon, assignor.)
Sturtevant, B. F., Company, of Hyde Park. (See Finnemore, Harold F., assignor.)
Sullivan, Joseph M., Jackson Heights, N. Y. Reflector microscope. 2,182,099; Dec. 5.
Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sulzer Frères, Société Anonyme. (See Steiner, Hans, assignor.)
Surdy, Charles J. (See Turner, E. A., and Surdy.)
Surdy, Charles J., Tuckahoe, and E. A. Turner, New York, N. Y., assignors to The Standard Stoker Company, Incorporated. Stoker. 2,182,505; Dec. 5.
Swan, Carl W. (See Krum, H. L., and Swan.)
Swan, Donald R. (See Smith, H. B., and Swan.)
Swanson, Reinhold J., Chicago, Ill. Waterproof container. 2,182,040; Dec. 5.
Swift and Company. (See Hartanov, Andrew S., assignor.)
Swift and Company. (See Williams, B. E., and Cadwell, assignors.)
Syrovy, Augustin J. (See Neracher, C. A., and Syrovy.)
Szabo, Arthur, New York, N. Y., assignor to Nobilium Products, Inc., Philadelphia, Pa. Alloy. 2,182,041; Dec. 5.
Tahon, Robert G., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Automatic volume control device for wave transmission systems. 2,182,100; Dec. 5.
Talbot, Evariste E. (See Daudelin, J. B., and Talbot.)
Tamke, Alfred C., St. Albans, N. Y. Knife peeler. 2,182,710; Dec. 5.
Tarbell, John C., Springfield, Mass., assignor to Chrysler Corporation, Highland Park, Mich. Bearing member. 2,182,414; Dec. 5.
Tarzian, Sarkes, Buenos Aires, Argentina, assignor to Radio Corporation of America. Variable high frequency transformer. 2,181,982; Dec. 5.
Tauschek, Gustav, assignor to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,182,006; Dec. 5.
Taylor, Cecil H. (See Moffat, J. H., and Taylor.)
Technicolor Motion Picture Corporation. (See Ball, J. A., and Hoch, assignors.)
Tegarty, John B., St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Two-piece molded knob assembly. 2,182,007; Dec. 5.
Telefonaktiebolaget L. M. Ericsson. (See Hullegård, Erik W., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Andrieu, Robert, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Geiger, Max, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hillster, Friedrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Prochnow, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Telegraphy Improvements Company. (See Rustad, L. L., and Extrom, assignors.)
Teletype Corporation. (See Krum, Howard L., assignor.)
Teletype Corporation. (See Krum, H. L., and Swan, assignors.)
Textile Machine Works. (See Bitzer, Gottlob, assignor.)
Thigpen, Thelma T., assignor of forty per cent to J. M. Plummer, Salem, Ill. Device for filling fluid tanks. 2,182,415; Dec. 5.
Thomas, Bertha E., assignor to Thomas Flexible Coupling Company, Warren, Pa. Flexible coupling. 2,182,711; Dec. 5.
Thomas Flexible Coupling Company. (See Thomas, Bertha E., assignor.)
Thompson, Alfred E., and R. D. Salmon, Croydon, assignors to Creed and Company Limited, Croydon, Surrey, England. Printing telegraph system. 2,182,101; Dec. 5.
Thompson, Joseph J., assignor to Kellogg Company, Battle Creek, Mich. Condenser. 2,182,183; Dec. 5.
Thompson Products, Incorporated. (See Venditty, Anthony, assignor.)
Thompson, Ralph E., Brookline, and A. A. Martin, Dorchester, Mass. Safety razor. 2,182,649; Dec. 5.
Thurman, Benjamin H. (See Clayton, B., Kerrick, Stadt, and Thurman.)
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Obtaining phosphatides from soap stock. 2,182,767; Dec. 5.
Tiger, Roy L., Boulder, Colo. Reflector element. 2,181,926; Dec. 5.
Timson, Arthur G., Nahant, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe and making the same. 2,182,042; Dec. 5.
Tinker, Ralph, Fountain City, Wis. Power steering mechanism. 2,182,102; Dec. 5.
Todd, Guerin, Shrewsbury, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Electroprocessing machine. 2,182,184; Dec. 5.
Torell, Harold E. (See Sousa, Lino, assignor.)
Tokyo Shibaura Denki Kabushiki Kaisha. (See Maekawa, Koichiro, assignor.)
Townsend, Albert J., Lima, Ohio. Heat exchanger and making same. 2,181,927; Dec. 5.
Transit Research Corporation. (See Hirshfeld, C. F., and Brown, assignors.)

Traughber Engineering Co. (See Bowman, Reginald G., assignor.)
Traut, Conrad W., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,182,457; Dec. 5.
Triangle Mechanical Laboratories Corp. (See Simon, Aaron, assignor.)
Trombetta, Nicola, Hoboken, N. J. Window frame construction. 2,182,008; Dec. 5.
Trump, John G., Belmont, Mass., assignor to Research Corporation, New York, N. Y. High voltage ionic discharge device. 2,182,185; Dec. 5.
Tschan, Ernst, assignor to the firm Durand & Huguenin A. G., Basel, Switzerland. Producing reserves under dyeings of ester salts of leuco vat dyestuffs. 2,182,140; Dec. 5.
Tubbs, Lester G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator control equipment. 2,182,650; Dec. 5.
Tubize Chatillon Corporation. (See Blount, Edgar R., assignor.)
Tucker, Harry W., New York, N. Y. Holding device. 2,182,392; Dec. 5.
Tucker, Mayson H., New York, N. Y. Photographic printing. 2,182,325; Dec. 5.
Tumey, Lawrence F., Baldwin, assignor to Eclipse Aviation Corporation, East Orange, N. J. Automatic control for deicing mechanism. 2,182,547; Dec. 5.
Turner, Edwin A. (See Surdy, C. J., and Turner.)
Turner, Edwin A., New York, and C. J. Surdy, Tuckahoe, N. Y., assignors to The Standard Stoker Company, Incorporated. Locomotive and stoker therefor. 2,182,506; Dec. 5.
Ulrich, Heinrich, Ludwigshafen-on-the-Rhine, and W. Harz, Dormagen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization of ethylene imines. 2,182,306; Dec. 5.
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Ungerleider, Samuel, et al. (See Lotz, Rudolph W., assignor.)
Union Carbide and Carbon Corporation. (See Kehl, Robert J., assignor.)
Union Switch & Signal Company, The. (See Martin, Marcel A., assignor.)
Union Switch & Signal Company, The. (See Mickley, Joseph K., assignor.)
Union Switch & Signal Company, The. (See Place, Willard P., assignor.)
Unit Rig & Equipment Company. (See Guier, William, assignor.)
United Shoe Machinery Corporation. (See Bray, W. N., and Barton, assignors.)
United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Shoe Machinery Corporation. (See Maeser, Mieth, assignor.)
United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
United Shoe Machinery Corporation. (See Timson, Arthur G., assignor.)
United States Rubber Company. (See Hazell, Eardley, assignor.)
Universal Oil Products Company. (See Grosse, Aristid V., assignor.)
Universal Oil Products Company. (See Heid, Jacob B., assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Pines, assignors.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Urbain, Walter M., and L. B. Jensen, assignors to Industrial Patents Corporation, Chicago, Ill. Glue treatment. 2,182,186; Dec. 5.
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television receiving apparatus. 2,182,326; Dec. 5.
Usselman, George L., Rocky Point, N. Y., assignor to Radio Corporation of America. Cooling system. 2,181,953; Dec. 5.
Utility Fan Corporation. (See Quave, O. E., and Breslow, assignors.)
Uytenbogaart, Johannes, and A. Hartmann, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation, New York, N. Y. Spray shield. 2,182,768. Dec. 5.
Vaco Products, Inc. (See Carter, P. M., and Larsen, assignors.)
Valentine, Percy W. (See Ries, Herman J., assignor.)
Van Keuren, Herbert, and A. C. Wilkins, assignors to The Safety Valve Corporation, Kingstree, S. C. Control valve for water systems. 2,182,268; Dec. 5.
Van Riper, John C., Fair Lawn, assignor to Watson-Flagg Machine Company, Paterson, N. J. Operator. 2,182,769; Dec. 5.
Van Sittert, Paul, Cleveland Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Rotary tool. 2,182,416; Dec. 5.
Van Vliet, John D., Grand Haven, Mich. Resilient wing for airplanes. 2,182,366; Dec. 5.
Vapor Car Heating Company. (See Parks, P. B., and Smith, assignors.)
Vaughan, Arthur H., assignor to The Electric Furnace Company, Salem, Ohio. Forced circulation fuel fired furnace. 2,181,928; Dec. 5.
Venable, William M., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Gas generator. 2,182,684; Dec. 5.
Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Ball joint and making same. 2,182,601; Dec. 5.
Veteran, William E., assignor to J. N. Viveiros, Niles, Calif. Clothesline pulley. 2,182,602; Dec. 5.
Vickers, Harry F., assignor to Vickers, Incorporated, Detroit, Mich. Frictional gearing. 2,182,458; Dec. 5.
Vickers, Harry F., assignor to Vickers, Incorporated, Detroit, Mich. Valve housing and rotor. 2,182,459; Dec. 5.
Vickers, Incorporated. (See Vickers, Harry F., assignor.)
Vickery, Alfred E., Bridgeport, Conn., assignor to Remington Rand, Inc., Buffalo, N. Y. Platen and/or feed roller for typewriting and like machines. 2,182,141; Dec. 5.
Viveiros, Joe N. (See Veteran, William E.)
Vogel, Werner G., Louisville, Ky. Rotary scraper for tubular heat exchanger. 2,182,712; Dec. 5.
Vogt, Adolf, Kraftborn, near Breslau, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany. Apparatus for treating matters in hot liquid state. 2,182,064; Dec. 5.
Von Hessert, Gerhard. (See Werner, Guenther, assignor.)
Von Oberstadt, Peter-Franz G. B., now by judicial change of name P. B. Oberstadt, Cleveland, Ohio. Shock absorber. 2,182,034; Dec. 5.
Voris, Mabel A., Seattle, Wash. Automatic dishwashing machine. 2,181,983; Dec. 5.
Wacker, Dr. Alexander, Gesellschaft für Elektrochemische Industrie G. m. b. H. (See Vogt, Adolf, assignor.)
Wagner, Melvin, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Apparatus for charging containers with inert gas and materials. 2,182,187; Dec. 5.
Wahlstrom, Charles S., and T. A. White, Boulder County, Colo. Seal coating machine for highways. 2,182,217; Dec. 5.
Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)
Waleke, Walter. (See Bolesky, W. F., Waleke, and Lutz.)
Walker Electrical Company. (See Walker, R. M., Jenkins, and Strong, assignors.)
Walker, Ernest M., Atlanta, Ga. Ice cream confection apparatus. 2,182,713; Dec. 5.
Walker, Ralph M., C. M. Jenkins, and C. W. Strong, assignors to Walker Electrical Company, Atlanta, Ga. Meter box. 2,182,603; Dec. 5.
Wallat, Wilhelm, Berlin-Schoneberg, Germany, assignor to International Business Machines Corporation, New York, N. Y. Spring. 2,181,954; Dec. 5.
Waller, William H., Grand Prairie, Tex. Flexible wheel driving means. 2,182,417; Dec. 5.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Laminated sausage casing. 2,182,188; Dec. 5.
Walton, George W., Kensington, London, England. Television and like system. 2,182,043; Dec. 5.
Wanderer-Werk vorm. Winklhofer & Jaenicke Akt.-Ges. (See Eisele, Felix, assignor.)
Wanz, Ernest, New York, N. Y. Card table. 2,182,327; Dec. 5.
Ward, James P. (See Ward, James P., Jr., assignor.)
Ward, James P., Jr., assignor to J. P. Ward, Chicago, Ill. Finger key for typewriting and other machines. 2,181,955; Dec. 5.
Wardmore Corporation. (See Rose, Jay, assignor.)
Warner, Joe H., assignor to D. W. Price, Chicago, Ill. Amusement apparatus. 2,181,984; Dec. 5.
Warren, Otey Y., Roslyn Estates, N. Y. Container. 2,182,065; Dec. 5.
Waselge, Charles R., Rueil, France. Aerial propeller with variable pitch. 2,181,985; Dec. 5.
Washington Lumber Company, The. (See Rumer, Paul, assignor.)
Watson-Flagg Machine Company. (See Van Riper, John C., assignor.)
Wayne Pump Company, The. (See Sturm, F. W., and Pepper, assignors.)
Wecoline Products, Inc. (See Barsky, George, assignor.)
Weiler, Charles N., Nahant, Mass., assignor to General Electric Company. Solenoid. 2,182,685; Dec. 5.
Weinberger, Julius, Bronxville, N. Y., assignor to Radio Corporation of America. Band width and tone control circuit. 2,182,328; Dec. 5.
Werme, William P. (See Fauss, Daniel L., assignor.)
Werner, Guenther, Peking, China, assignor to G. Von Hessert, New York, N. Y. Container for phonograph records. 2,182,460; Dec. 5.
Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Maltosamine and preparing it. 2,181,929; Dec. 5.
Western Cartridge Company. (See Smith, Philip A., assignor.)
Westinghouse Electric Elevator Company. (See Carney, Charles P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bollinger, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dreyer, William C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Janetschke, Erwin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Johansson, Ernest G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kenyon, Alonzo F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Klemperer, Hans, assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pohlhausen, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Seibert, John L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shutt, Charles C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Tubbs, Lester G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wilson, E. D., and Stoltz, assignors.)
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Luggage case. 2,182,604; Dec. 5.
Wheary Trunk Company. (See Wheary, George H., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Attenuating network. 2,182,329; Dec. 5.
Wheeler, Harry N., assignor to Wheeler-Morse Company, Birmingham, Ala. Foot measuring machine. 2,181,930; Dec. 5.
Wheeler-Morse Company. (See Wheeler, Harry N., assignor.)
Whitcomb, Preston, Buffalo, assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Variable speed power transmission. 2,182,507; Dec. 5.
White, Charles, San Francisco, Calif. Elevator gate or barrier. 2,182,508; Dec. 5.
White, Thaddeus A. (See Wahlstrom, C. S., and White.)
Whitenour, Edward, Haledon, N. J. Engine. 2,182,269; Dec. 5.
Wibert, Frans M., Filipstad, Sweden, assignor to Det norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway. Reducing ore, particularly iron ore. 2,182,009; Dec. 5.
Wickersham, Charles L. (See Gates, Rupert G., assignor.)
Wiekliffe, John K., assignor to Industrial Patents Corporation, Chicago, Ill. Attachment for carton stitching machines. 2,182,189; Dec. 5.
Wiget, Georg, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Loom. 2,182,103; Dec. 5.
Wilen, Charles H., and A. Kramarenko, Nice, France. Underwater goggles. 2,182,104; Dec. 5.
Wilkins, Archibald C. (See Van Keuren, H., and Wilkins.)
Williams, Beverly E., and L. L. Cadwell, assignors to Swift and Company, Chicago, Ill. Meat wrapping method. 2,182,190; Dec. 5.
Williams, Harry E., assignor to R. T. Moloney, Chicago, Ill. Ball rolling game. 2,182,418; Dec. 5.
Wilmanns, Gustav. (See Kleine, J., and Wilmanns.)
Wilson, Earl D., Wilkinsburg, and G. E. Stoltz, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Combined machine and optical system. 2,182,651; Dec. 5.
Wilson, Frederic H. (See Brown, C. P., and Wilson.)
Wilson, Lee, Engineering Company. (See Woodson, James C., assignor.)
Windeler, Alfred S., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fabricating tubular structures. 2,182,330; Dec. 5.
Winship, Ralph B., Montreal, Quebec, Canada. Railway refrigerator car. 2,182,652; Dec. 5.
Witt, Joshua C., Chicago, Ill. Pipe lining cement. 2,182,714; Dec. 5.
Wolfert, Fred A., Maplewood, N. J. Display rack for lace reels. 2,182,605; Dec. 5.
Wood, Lyndon D., assignor to National Hops Laboratories, Inc., Chicago, Ill. Extracting the essential principles of hops. 2,181,931; Dec. 5.
Woodcock, Charles H., assignor to The Atlantic Refining Company, Philadelphia, Pa. Cutting tool. 2,182,770; Dec. 5.
Woodson, James C., assignor to Lee Wilson Engineering Company, Cleveland, Ohio. Furnace for heating. 2,182,218; Dec. 5.
Woodward, Arthur A., assignor to Skinner Motors, Inc., Detroit, Mich. Internal combustion engine cylinder-head construction. 2,182,105; Dec. 5.
Woolley, William J., Chicago, Ill. Water feeder. 2,181,956; Dec. 5.
Wooster, Charles B., Providence, R. I., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenating aromatic hydrocarbons. 2,182,242; Dec. 5.
Worthington Pump and Machinery Corporation. (See Paullin, Edward M., assignor.)
Wrigley, James B., assignor to International Supply Company, Tulsa, Okla. Counterbalance for crankshafts. 2,182,740; Dec. 5.
Wunderlich, Herman, et al. (See O'Leary, Theodor A., assignor.)
Wyrick, Clayton E., Dayton, Ohio. Mechanical motor drive. 2,182,529; Dec. 5.
Yale & Towne Manufacturing Company, The. (See Behnke, Max O., assignor.)
Yeakel, William M., Philadelphia, Pa. Belt and making same. 2,182,461; Dec. 5.
Yeske, Louis A., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Rotary switch. 2,182,715; Dec. 5.
Young, James H., assignor to H. H. Robertson Company, Pittsburgh, Pa. Building construction and system for circulating air. 2,182,686; Dec. 5.
Young, L. A., Spring & Wire Corporation. (See Fischer, John F., assignor.)
Youngstown Sheet and Tube Company, The. (See Reinhardt, Gustav A., assignor.)
Zeiss Ikon Aktiengesellschaft. (See Ploke, Martin, assignor.)
Ziegler, William J., Clarks Summit, Pa. Plate dispenser with cap. 2,182,606; Dec. 5.
Zonizely, Stephen, Brooklyn, N. Y. Supporting and illuminating license tags and advertising plates. 2,182,419; Dec. 5.
Zuckerman, Adolph M., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for rotary intaglio printing machines. 2,182,367; Dec. 5.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Control means. A. K. Foulds. Re. 21,286; Dec. 5.
Control system, Supervisory. H. P. Boswau. Re. 21,284; Dec. 5.
Cutter and hedge trimmer, Grass. J. A. Orr. Re. 21,289; Dec. 5.
Filing container. F. D. Jones. Re. 21,287; Dec. 5.
Packing machine. A. Novotny. Re. 21,288; Dec. 5.
Wall covering, Decorative. G. Desagnat. Re. 21,285; Dec. 5.

LIST OF DESIGN INVENTIONS

Animal boot. B. W. Henderson. 118,006; Dec. 5.
Applicator, Liquid. H. J. Brownstein. 117,894; Dec. 5.
Bait, Fish. J. M. Withey. 117,941; Dec. 5.
Bottle. G. Smith, Jr. 117,983; Dec. 5.
Bottle and holder therefor, Combined perfume. R. B. Karoff. 117,978; Dec. 5.
Bottle, Glass. A. C. Meyer. 117,980; Dec. 5.
Box or similar article. A. S. Weiss. 117,986; Dec. 5.
Brooch or similar article of jewelry. I. Z. Joyce. 117,924; Dec. 5.
Brush and scraper, Combined paint. W. S. Manchester and H. Hathaway. 117,933; Dec. 5.
Cabinet, Dry cleaning machine. J. Novotny. 117,957; Dec. 5.
Cabinet or similar article, Beverage cooling. M. A. Martin. 117,907; Dec. 5.
Cabinet, Radio. N. Bel Geddes. 117,966; Dec. 5.
Case, Clock. L. I. Bruce. 117,895–7; Dec. 5.
Case, Clock. F. Williams. 117,916; Dec. 5.
Casing, Clock. M. Schlenker. 117,912; Dec. 5.
Casing, Transformer. M. L. Eckman. 117,971; Dec. 5.
Chair. W. H. Bond, Jr. 117,987–8; Dec. 5.
Chair. T. E. Smith. 117,964; Dec. 5.
Clipper, Hair. R. E. Bourke, Jr. 117,944; Dec. 5.
Clock. S. G. Kooluris and L. Fox. 117,903; Dec. 5.
Dental lathe. G. K. Cameron. 117,989; Dec. 5.
Desk unit, Combination. C. B. Gooding. 117,899; Dec. 5.
Dolly. R. J. and G. A. Hutt. 117,977; Dec. 5.
Dress. R. Ginsburg. 117,990; Dec. 5.
Dress. L. Kushman. 117,979; Dec. 5.
Dress. S. Mahler. 118,000–1; Dec. 5.
Dress. J. Rosener. 117,982; Dec. 5.
Dress. K. Rost. 117,993; Dec. 5.
Dress. W. Skolnick. 118,002; Dec. 5.
Dress. M. Tint. 118,005; Dec. 5.
Dress ensemble. R. Ginsburg. 117,991; Dec. 5.
Dress. R. Ginsburg. 117,995–6; Dec. 5.
Drier or similar article, Hair. E. Arens. 117,942; Dec. 5.
Drive unit for use with hand cutting tools, Electric power. R. B. Pealer. 117,981; Dec. 5.
Dust collecting apparatus. E. A. Failmezger. 117,972; Dec. 5.
Fabric or similar article, Embroidered textile. E. W. Freudenberg. 117,921; Dec. 5.
Fabric, Puffed and embroidered textile. M. B. Kaplan. 117,974; Dec. 5.
Fabric, Textile. S. E. Staines. 118,003; Dec. 5.
Fabric, Textile. A. Tillman. 118,004; Dec. 5.
Fabric, Tucked textile. M. B. Kaplan. 117,997–9; Dec. 5.
Fabric, Woven textile. A. Tillman. 117,984; Dec. 5.
Faucet for drawing liquid from sealed containers. R. D. Bienemann. 117,892; Dec. 5.
Food preparing and serving implement or similar article. M. J. Zimmer. 117,994; Dec. 5.
Game board. D. J. Hafften. 117,951; Dec. 5.
Game board. J. M. Prentice. 117,958; Dec. 5.
Gown, Evening. H. Berman. 117,968; Dec. 5.
Guard, for slicing vegetables, meats, or the like, Finger. L. Körmendy. 117,904; Dec. 5.
Guard, Grille. G. F. Bahr. 117,943; Dec. 5.
Handbag. S. Dawer. 117,947; Dec. 5.
Handbag. R. Lobel. 117,932; Dec. 5.
Handle, Door. J. R. Morgan. 117,908; Dec. 5.
Hood for electric lamps. C. E. Caestecker. 117,919; Dec. 5.
Indicator for headlights, Light. W. H. Johnsen. 117992; Dec. 5.
Jewelry setting or similar article. H. R. Kiepe. 117,902; Dec. 5.
Lace. G. M. Boysen. 117,969–70; Dec. 5.
Lace. L. L. Kahn. 117,953; Dec. 5.
Lamp shade. O. Sacksteder, Jr. 117,911; Dec. 5.
Lens or similar article, Fresnel. E. Pascucci. 117,934; Dec. 5.
Lock for luggage cases or the like. A. Levine. 117,954–5; Dec. 5.
Log, Silo. P. Rutten. 117,960; Dec. 5.
Meat tenderer. Q. Beltram. 117,967; Dec. 5.
Molding or similar article, Corner. W. L. Bonnell. 117,893; Dec. 5.
Mouthpiece for smoking pipes, cigarette holders, or similar articles. R. Hirsch. 117,975; Dec. 5.
Mower, Sickle. A. Stark. 117,965; Dec. 5.
Pencil sharpener. E. C. Hoffmann. 117,901; Dec. 5.
Pin clip. J. H. Leff. 117,925–9; Dec. 5.
Range. E. S. Criddle. 117,946; Dec. 5.
Receptacle or similar article, Razor blade. I. S. Bodkin. 117,917; Dec. 5.
Refrigerator, Display. F. Maresca. 117,956; Dec. 5.
Scale. S. L. Hanssen. 117,900; Dec. 5.
Shoe. R. Gruensfelder. 117,950; Dec. 5.
Shoe last. C. Reggie. 117,909; Dec. 5.
Shoe or similar article, Knitted. F. Gluck. 117,922–3; Dec. 5.
Shoe or similar article. L. Sholtz. 117,936–9; Dec. 5.
Shoe or similar article. L. Sholtz. 117,961–3; Dec. 5.
Slip. E. Cadous. 117,945; Dec. 5.
Slipper. M. Lippert. 117,931; Dec. 5.
Slipper, Tapping. B. Brodick. 117,918; Dec. 5.
Spoon or other article of flatware. W. S. Warren. 117,940; Dec. 5.
Stand for automobile horns, Display. M. Watson. 117,915; Dec. 5.
Stand for hosiery, Display. S. Sobel. 117,913; Dec. 5.
Stool or similar article, Foot. M. K. Forman. 117,948; Dec. 5.
Stove. I. J. Golden. 117,949; Dec. 5.
Suit or similar article, Bathing. B. J. Hoffman, Jr. 117,976; Dec. 5.
Tire construction display unit. G. C. Van Veen. 117,914; Dec. 5.
Tool, Combination kitchen. R. Roller. 117,910; Dec. 5.
Toy bank. A. C. Prince. 117,935; Dec. 5.
Tray, Hair dyeing. A. Carawan. 117,898; Dec. 5.
Tricycle. G. Lewinski. 117,906; Dec. 5.
Tricycle. G. Lewinski. 117,930; Dec. 5.
Trimming, Embroidered. E. W. Freudenberg. 117,920; Dec. 5.
Trimming or similar article, Embroidered. E. W. Freudenberg. 117,973; Dec. 5.
Vehicle body. S. L. Vaccaro, Jr. 117,985; Dec. 5.
Velocipede. H. L. Kraeft. 117,905; Dec. 5.
Vending machine. A. C. Haggstrom. 117,952; Dec. 5.
Washing machine, Electric. E. S. Preston. 117,959; Dec. 5.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. W. A. Anderson. 2,182,110; Dec. 5.
Accounting machine. C. L. Lee. 2,181,975; Dec. 5.
Accounting machine. J. R. Peirce. 2,182,001; Dec. 5.
Acetals of formaldehyde, Preparing cyclic. K. Billig. 2,182,754; Dec. 5.
Acid, Manufacturing sebacic. H. A. Bruson and L. W. Covert. 2,182,056; Dec. 5.
Acids, Derivative of substituted succinic. W. Pinkernelle. 2,182,178; Dec. 5.
Acids, Thiobarbituric. A. W. Dox. 2,182,518; Dec. 5.
Adhesive. W. P. Hilbourn. 2,182,399; Dec. 5.
Adhesive. R. W. Maxwell. 2,182,524; Dec. 5.
Adjusting mechanism for propeller blades and the like. U. de Caria. 2,182,285; Dec. 5.
Aerating machine. L. E. Booth. 2,182,442; Dec. 5.
Air conditioner, Roof mounted. R. F. Peo. 2,182,569; Dec. 5.
Air conditioning apparatus. E. Q. Cole. 2,182,690; Dec. 5.
Air conditioning system. H. F. Finnemore. 2,182,174; Dec. 5.
Airplane. G. Solomon. 2,182,648; Dec. 5.
Airplane safety device. F. R. Shanley. 2,182,706; Dec. 5.
Alcohols, Producing. L. M. Christensen. 2,182,550; Dec. 5.
Alloy. A. Szabo. 2,182,041; Dec. 5.
Alloy steel. G. A. Reinhardt. 2,182,135; Dec. 5.
Ammonia from ammonium sulphate, Production of. E. P. Fleming and M. F. Perkins. 2,182,078; Dec. 5.
Amplifier, Multigrid tube. K. C. Black. 2,181,865; Dec. 5.
Amusement apparatus. J. H. Warner. 2,181,984; Dec. 5.
Amusement device. J. S. Compton. 2,182,517; Dec. 5.
Amusement device. A. F. Schaeffer. 2,181,979; Dec. 5.
Annealing apparatus. F. C. Kuhnle. 2,182,294; Dec. 5.
Antenna and transmission line system, Wide band, short wave. P. S. Carter. 2,181,870; Dec. 5.
Anti-wheel-lock system. C. F. Hirshfeld and A. H. Brown. 2,182,694; Dec. 5.
Apparatus for canning meat. S. L. Komarik. 2,181,945; Dec. 5.
Apparatus for charging containers with insert gas and materials. M. Wagner. 2,182,187; Dec. 5.
Apparatus for continuous heating and cooling of metals. K. A. Juthe. 2,182,616; Dec. 5.
Apparatus for heating tubular members. P. A. Smith. 2,182,364; Dec. 5.
Apparatus for packaging products. E. A. Muller. 2,182,700; Dec. 5.
Apparatus for polishing thermoplastic articles. J. S. Reid. 2,182,388; Dec. 5.
Apparatus for posting electrically transmitted information. L. L. Rustad and V. E. Extrom. 2,182,355; Dec. 5.
Apparatus for the application of injection pressure in pressure casting machines. W. H. Schwartz. 2,182,059; Dec. 5.
Apparatus for the control of highway crossing signals. J. K. Mickley. 2,182,158; Dec. 5.
Apparatus for treating matters in hot liquid state. A. Vogt. 2,182,064; Dec. 5.
Armature winding, Split throw. P. Bollinger. 2,182,654; Dec. 5.
Arms for door checks, Releasable holding. D. R. Lasier. 2,182,206; Dec. 5.
Arrowhead construction. B. Pearson. 2,182,320; Dec. 5.
Articles, Wrapping. W. B. Bronander. 2,182,113; Dec. 5.
Asbestos and cement products, Making. E. W. Rembert and D. Bertogliat. 2,182,353; Dec. 5.
Ash disposal means. G. M. Peltz. 2,182,093; Dec. 5.
Attachment for carton stitching machines. J. K. Wickliffe. 2,182,189; Dec. 5.
Attachment for cutter grinders. R. K. Le Blond. 2,182,231; Dec. 5.
Attenuation or gain control system, Variable. F. V. Becker. 2,182,192; Dec. 5.
Automobile signal switch. R. Markham. 2,182,029; Dec. 5.
Ax handle. R. B. Montgomery. 2,182,031; Dec. 5.
Azo compound. A. R. Murphy and H. Jordan. 2,182,347; Dec. 5.
Baffled mercury switch. J. H. Staley. 2,182,216; Dec. 5.
Bag making machine. A. Potdevin. 2,182,002; Dec. 5.
Ball, Play or game. M. B. Reach. 2,182,052–3; Dec. 5.
Band width and tone control circuit. J. Weinberger. 2,182,328; Dec. 5.
Bar construction, Division and corner. C. D. Lowry. 2,182,480; Dec. 5.
Barbecue machine. G. G. Garvis. 2,182,225; Dec. 5.
Barrel rack. A. H. Sisson. 2,182,709; Dec. 5.
Baseball projecting apparatus. C. T. Barron. 2,182,369; Dec. 5.

Basket for clothes chutes, Catch. C. E. Carlson. 2,182,689; Dec. 5.
Bathing device, Infant's. D. M. Kennedy. 2,182,669; Dec. 5.
Battery cap. M. J. Schwartz. 2,182,266; Dec. 5.
Bearing: *See*—
Radial bearing.
Bearing member. J. C. Tarbell. 2,182,414; Dec. 5.
Belt and making same. W. M. Yeakel. 2,182,461; Dec. 5.
Belt fastener. J. C. Olsen. 2,182,232; Dec. 5.
Belt reversing device. W. Chercass. 2,182,424; Dec. 5.
Belting splice and method. J. M. Bierer. 2,182,169; Dec. 5.
Bending machine. J. F. Fischer. 2,182,626; Dec. 5.
Beta lactose, Making. P. F. Sharp and D. B. Hand. 2,182,618; Dec. 5.
Beta lactose, Preparing. P. F. Sharp and D. B. Hand. 2,182,619; Dec. 5.
Beverage conditioning and dispensing apparatus, Portable. L. G. Copeman. 2,182,116; Dec. 5.
Beverage dispensing apparatus. O. Muller. 2,182,032; Dec. 5.
Bicycle. G. H. Mieher. 2,182,345; Dec. 5.
Binder, Temporary. E. W. Erieson and R. Brauer. 2,181,968; Dec. 5.
Binding medium. A. M. Fleuret. 2,182,291; Dec. 5.
Bird caller. O. H. Harbin. 2,182,692; Dec. 5.
Bib: *See*—
Core bit. Detachable blade core bit.
Bit construction, Well. A. C. Catland. 2,182,247; Dec. 5.
Blind, Window. M. R. Kapp. 2,181,897; Dec. 5.
Bogie for vehicles, Steerable. H. W. Jonkhoff. 2,182,437; Dec. 5.
Bookstack, Library. W. C. Bond. 2,182,422; Dec. 5.
Boring head. R. G. Jacobson. 2,182,478; Dec. 5.
Bottle, Comfort. L. B. Farrell. 2,182,254; Dec. 5.
Bottle holder. M. B. Rosenberg. 2,182,164; Dec. 5.
Box: *See*—
Carburizing box. Meter box.
Float box.
Box stitching machine. M. N. Matveyeff. 2,182,594; Dec. 5.
Box strapping machine. F. M. Byl. 2,182,221; Dec. 5.
Bracket: *See*—
Brake hanger bracket.
Braid, Ball fringe. L. Boggero and R. Broder. 2,182,653; Dec. 5.
Brake: *See*—
Two-speed coaster brake.
Brake. F. H. Davis. 2,181,988; Dec. 5.
Brake adjustment indicating device. J. B. P. H. Galle. 2,182,554; Dec. 5.
Brake and accelerator control, Combination. R. C. Gibson. 2,181,883; Dec. 5.
Brake beam, Railway. C. W. Osner and H. W. Ekholm. 2,182,210; Dec. 5.
Brake beam structure, Railway. E. G. Busse. 2,182,197; Dec. 5.
Brake drums, Making. O. Rasmussen. 2,182,238; Dec. 5.
Brake equalizer. H. P. Doud and L. H. Clary. 2,181,967; Dec. 5.
Brake hanger bracket. D. M. Light. 2,182,746; Dec. 5.
Brake lever. S. H. Caldwell. 2,182,279; Dec. 5.
Brake lever extension, Hammer type. J. Fischer. 2,182,583; Dec. 5.
Brake mechanism. C. W. Collins. 2,182,250; Dec. 5.
Brake mechanism. W. A. Eaton. 2,182,047; Dec. 5.
Braking mechanism. H. F. Patterson. 2,182,386; Dec. 5.
Braking system for vehicles, Liquid pressure. J. P. Beeston. 2,182,463; Dec. 5.
Bread slicing machine. H. J. Criner. 2,182,281–2; Dec. 5.
Bucket, Minnow. H. M. Nelson. 2,182,160; Dec. 5.
Building construction. L. L. Levene. 2,182,593; Dec. 5.
Building construction and system for circulating air. J. H. Young. 2,182,686; Dec. 5.
Bulldozer. J. S. Stewart. 2,182,412; Dec. 5.
Bumper antenna system and mounting, Automobile. D. H. Mills. 2,182,484; Dec. 5.
Bumper, Door. F. L. Covert. 2,182,611; Dec. 5.
Burner: *See*—
Gas burner.
Burner for liquid fuel. J. L. Breese. 2,182,465–6; Dec. 5.
Cable: *See*—
Electrical cable.
Cable connector. J. W. Hofmann. 2,182,151; Dec. 5.
Cadmium composition. F. R. Hensel. 2,182,380; Dec. 5.
Calcium phosphate and manufacture thereof, Granular. A. H. Fiske. 2,182,613; Dec. 5.
Calf feeding supplement. J. M. Coyner. 2,182,171; Dec. 5.

Camera. L. H. Moomaw. 2,182,133; Dec. 5.
Camera filter. L. J. G. Green. 2,182,585; Dec. 5.
Cane stripper. J. R. English. 2,182,117; Dec. 5.
Cap: *See*—
Battery cap. Radiator pressure cap.
Cap and dauber, Double shell. L. T. Crabbe. 2,182,046; Dec. 5.
Caps to bottles, Method and apparatus for applying hood. E. T. Ferngren. 2,182,472; Dec. 5.
Car: *See*—
Refrigerator car.
Car truck. W. H. Mussey. 2,181,908; Dec. 5.
Carbon contacts for a motion picture machine high intensity lamp. F. A. De Nol. 2,182,489; Dec. 5.
Carbon dioxide from gaseous hydrocarbons, Recovery of. L. Rosenstein. 2,182,305; Dec. 5.
Carburetor. F. O. and T. M. Ball. 2,182,393; Dec. 5.
Carburetor. R. F. Bracke. 2,182,580; Dec. 5.
Carburetor. M. Mallory. 2,182,090; Dec. 5.
Carburizing box. H. H. Harris. 2,182,201; Dec. 5.
Card interpreter, Perforated. I. B. Knutson. 2,181,996; Dec. 5.
Card or certificate receptacle. R. W. Lotz. 2,181,976; Dec. 5.
Card printing machine, Tabulating. F. M. Carroll. 2,181,935; Dec. 5.
Card stacking device. H. Keil. 2,181,995; Dec. 5.
Card table. E. Wanz. 2,182,327; Dec. 5.
Carriage for rails and the like, Shifting. L. P. Chicoine and E. Sauvé. 2,182,057; Dec. 5.
Carrier: *See*—
Combination baby and parcel carrier. Freight carrier.
Milk bottle carrier.
Carroting. A. P. Giuliano. 2,181,884; Dec. 5.
Cart, Transfer. G. Konicek. 2,182,259; Dec. 5.
Case: *See*—
Cigarette and similar case. Luggage case.
Case and fastener for the covers thereof, Wood. E. Brass. 2,182,112; Dec. 5.
Case for boudoir accessories, Display. A. S. Donaldson. 2,182,200; Dec. 5.
Casein fibers, Treating artificial. M. Fortunato. 2,182,553; Dec. 5.
Cash register. F. L. Fuller. 2,181,990; Dec. 5.
Casein products, Manufacture of. C. Schwartz. 2,182,357; Dec. 5.
Casing, Collapsible storage file. S. Scheinman and J. Mandel. 2,181,918; Dec. 5.
Casing, Laminated sausage. C. T. Walter. 2,182,188; Dec. 5.
Casing, Sausage. L. A. Goodman. 2,181,886; Dec. 5.
Casings for sausages or other meat products, Making. L. A. Goodman. 2,181,887; Dec. 5.
Caster. V. Milich. 2,182,445; Dec. 5.
Catamenial article. R. M. Previn. 2,182,702; Dec. 5.
Cathead, Automatic. W. Guier. 2,182,292; Dec. 5.
Cathode ray device. H. E. Hollmann. 2,182,382; Dec. 5.
Cathode ray tube screen. M. Ploke. 2,182,451; Dec. 5.
Cellulose derivative and preparing same. P. C. Scherer. Jr. 2, 181,920; Dec. 5.
Cellulose, Moistureproofing regenerated. C. F. Silsby. 2,182,765; Dec. 5.
Cellulose pellets, Preparation of. L. S. Baker and G. L. Schwartz. 2,182,274; Dec. 5.
Cellulosates, Alkali metal. P. C. Scherer, Jr. 2,181,919; Dec. 5.
Cement, Pipe lining. J. C. Witt. 2,182,714; Dec. 5.
Centrifugal apparatus. E. L. Miller and T. A. Bryson. 2,182,159; Dec. 5.
Centrifugal rectification. J. Loumiet y Lavigne. 2,182,566; Dec. 5.
Chain and link for conveyers, Roller. H. A. McAninch. 2,182,443; Dec. 5.
Chain link, Detachable interconnecting. C. Kalbfell. 2,182,439; Dec. 5.
Chair: *See*—
Folding chair. Reclining chair.
Chair. F. J. Murdock. 2,182,485; Dec. 5.
Chamber, Counting. C. P. Brown and F. H. Wilson. 2,182,467; Dec. 5.
Charging device for internal combustion engines. M. Mallory. 2,182,091; Dec. 5.
Cheese package, Labeled. C. H. Parsons. 2,182,212; Dec. 5.
Chromium plating. F. H. Beall. 2,182,244; Dec. 5.
Cigarette and similar case. E. Hammerling. 2,181,993; Dec. 5.
Cigarette maker. H. F. Kirkwood. 2,182,698; Dec. 5.
Circuit: *See*—
Band width and tone control circuit. Negative impedance circuit
Wave limiter circuit.
Circuit breaker, Automatic. J. Sachs. 2,182,773; Dec. 5.
Circuit breaker, Automatic reclosing. A. C. Schwager. 2,182,239; Dec. 5.
Circuit breaker, Emergency. P. C. McCandless. 2,182,300; Dec. 5.
Circuit controller. C. Stansbury. 2,182,241; Dec. 5.
Circuit recorder, Call. F. G. Halliden. 2,182,339; Dec. 5.
Circuits and systems, Relay timing. R. E. Marbury. 2,182,637; Dec. 5.
Circuits, Concentric line tuned. J. W. Conklin. 2,181,871; Dec. 5.
Circuits, Ignition starter. H. Klemperer. 2,182,633; Dec. 5.

Circuits, Tuning electric oscillatory. G. Guanella. 2,182,377; Dec. 5.
Clamp: *See*—
Pressing machine clamp. Repair clamp.
Clamp or holder for high intensity motion picture machine, Negative carbon. F. A. De Nol. 2,182,490; Dec. 5.
Clarinet, Boehm system. O. E. Christensen. 2,182,198; Dec. 5.
Cleaner: *See*—
Suction cleaner. Vacuum cleaner.
Clipper, Hair. J. Oster. 2,182,597; Dec. 5.
Closing structure. W. Kurth. 2,182,051; Dec. 5.
Clothesline and pulley. D. Eckleberry. 2,181,878; Dec. 5.
Clutch: *See*—
Overload release clutch.
Clutch. C. A. Neracher and A. J. Syrovy. 2,182,385; Dec. 5.
Clutch. K. K. Probst. 2,182,387; Dec. 5.
Clutch and power transmission device, Hydraulic. F. J. G. Henry. 2,182,049; Dec. 5.
Clutching mechanism. J. M. Minkow. 2,182,733; Dec. 5.
Coating machine for highways, Seal. C. S. Wahlstrom and T. A. White. 2,182,217; Dec. 5.
Coating process. C. J. Rolle. 2,182,304; Dec. 5.
Coffee mill. L. S. Maede. 2,182,131; Dec. 5.
Coin packer. S. R. Blackstone. 2,182,464; Dec. 5.
Collapsible tube. G. M. Baker. 2,182,243; Dec. 5.
Collar. L. Broder. 2,182,486; Dec. 5.
Combination baby and parcel carrier. W. H. Head. 2,181,892; Dec. 5.
Communication recording system. F. A. Kiernan. 2,182,632; Dec. 5.
Communication system. C. R. Doty. 2,181,989; Dec. 5.
Compartment door latch. E. N. Jacobi. 2,182,589; Dec. 5.
Compensated condenser. J. L. Seibert. 2,182,645; Dec. 5.
Compositions from rubber and fatty acids and preparing the same. A. W. Ralston and W. M. Selby. 2,182,180; Dec. 5.
Compressor, Variable capacity. E. M. Paullin, Jr. 2,181,978; Dec. 5.
Condenser: *See*—
Compensated condenser.
Condenser. J. J. Thompson. 2,182,183; Dec. 5.
Condenser and making the same, Electrolytic. D. E. Gray. 2,182,376; Dec. 5.
Condiment holder. E. Dolar. 2,182,622–3; Dec. 5.
Condition control system. H. R. Crago. 2,182,691; Dec. 5.
Conduits, Controlling air. L. H. Bingham. 2,181,961; Dec. 5.
Connection, Flexible supporting. J. F. Bolton and A. Hirch. 2,182,579; Dec. 5.
Connector: *See*—
Cable connector. Electrical connector.
Construction element. A. Davis, Jr. 2,182,015; Dec. 5.
Contacting element. F. R. Hensel and E. I. Larsen. 2,182,381; Dec. 5.
Container: *See*—
Shipping container. Waterproof container.
Tube and other container.
Container. A. E. Johnson. 2,182,615; Dec. 5.
Container. J. Maas. 2,182,261; Dec. 5.
Container. O. Y. Warren. 2,182,065; Dec. 5.
Container and making the same. H. E. McCrery. 2,181,905; Dec. 5.
Container closure. C. R. Hall. 2,182,492; Dec. 5.
Container for phonograph records. G. Werner. 2,182,460; Dec. 5.
Control apparatus. R. H. Herrick. 2,181,972; Dec. 5.
Control device. H. McEnlry. 2,182,030; Dec. 5.
Control device for power lift mechanism. H. M. Johnston and P. Bjerre. 2,181,994; Dec. 5.
Control for deicing mechanism, Automatic. H. Baer. 2,182,530; Dec. 5.
Control for deicing mechanism, Automatic. L. F. Tumey. 2,182,547; Dec. 5.
Control for ironers. G. W. Dunham and R. T. Lautz. 2,182,662; Dec. 5.
Control for point mechanism of flat knitting machines, Universal movement. G. Bitzer. 2,182,220; Dec. 5.
Control system. B. Chance. 2,182,717; Dec. 5.
Control system. F. V. A. E. Engel. 2,182,771; Dec. 5.
Control system. P. W. Janeway, Jr. 2,182,696; Dec. 5.
Control system. A. F. Kenyon. 2,182,631; Dec. 5.
Control system for free stroke piston engines. H. Steiner. 2,182,063; Dec. 5.
Control system, Remote. F. P. Gohorel. 2,182,119; Dec. 5.
Control wheel. R. Chilton. 2,182,658; Dec. 5.
Controller. H. H. Logan. 2,182,088; Dec. 5.
Conversion system. E. Janetschke. 2,182,628; Dec. 5.
Conveyer apparatus. W. S. Rugg and A. Palmros. 2,182,680; Dec. 5.
Conveyer, Dirt. F. Speno. 2,182,139; Dec. 5.
Conveyer, Roller. S. Eggleston. 2,182,756; Dec. 5.
Cooling and air circulating attachment for automobiles. G. R. Brent. 2,182,716; Dec. 5.
Cooling system. G. L. Usselman. 2,181,953; Dec. 5.
Cord to soap, Attaching. L. D. Hokerk. 2,182,293; Dec. 5.
Core bit. C. J. Koebel. 2,182,562; Dec. 5.

Core samples, Device for obtaining. R. Q. Seale. 2,181,980; Dec. 5.
Corn picking machine. B. Nightenhelser and J. Ballard. 2,182,772; Dec. 5.
Corn uncoverer, Rotary. J. J. McDermott. 2,182,157; Dec. 5.
Cotter pin. B. Barr. 2,182,462; Dec. 5.
Counterbalance for crankshafts. J. B. Wrigley. 2,182,740; Dec. 5.
Coupling: *See*—
Flexible coupling. Fluid coupling.
Coupling system, Adjustable. A. Crossley. 2,182,071; Dec. 5.
Cover: *See*—
Protective cover.
Cover assembly for storage batteries, Cell. G. A. Paddock. 2,182,500; Dec. 5.
Covers over garments, Device for placing bag. D. J. McCarty. 2,182,156; Dec. 5.
Covering, Building. S. F. Cox and P. E. Knudsen. 2,182,372; Dec. 5.
Crankshafts, Machining. W. F. Groene and W. R. Meyer. 2,182,228; Dec. 5.
Creping method and apparatus. W. H. Cannard. 2,182,720; Dec. 5.
Cuff link construction. Le R. J. Salisbury. 2,182,502; Dec. 5.
Cultivator. H. J. Schaapveld. 2,181,917; Dec. 5.
Cultivators, Attachment for. C. Achen and W. Poppler. 2,182,270; Dec. 5.
Curtain and support, Inside. E. G. Copp. 2,182,396; Dec. 5.
Cushion, Spring. N. Contino. 2,182,069; Dec. 5.
Cutlery construction. H. R. Platts. 2,182,303; Dec. 5.
Cutter. B. J. Sadoff. 2,182,181; Dec. 5.
Cutter and server, Cake. W. L. King and H. T. Horscraft. 2,182,726; Dec. 5.
Cutting machine. H. E. Edgerton. 2,181,879; Dec. 5.
Cutting tool. C. H. Woodcock. 2,182,770; Dec. 5.
Cylinders, Registering printing machine. W. F. Huck. 2,181,894; Dec. 5.
Cylinder-head construction, Internal combustion engine. A. A. Woodward. 2,182,105; Dec. 5.
Cylinder, Master. O. Rasmussen. 2,182,237; Dec. 5.
Dampener, Viscous. L. A. Elmer. 2,182,076; Dec. 5.
Damping network, Frequency dependent. H. Lueder. 2,182,089; Dec. 5.
Dart. F. Lowy. 2,182,296; Dec. 5.
Decorticating machine. J. J. Marczak. 2,182,729; Dec. 5.
Dental floss, Device for holding. W. A. May. 2,182,525; Dec. 5.
Desk with sliding book support. J. M. Rainwater. 2,182,703; Dec. 5.
Detachable blade core bit. G. Purnell. 2,182,035; Dec. 5.
Device for filling fluid tanks. T. T. Thigpen. 2,182,415; Dec. 5.
Device for measuring beer in a barrel. I. I. Bornstein. 2,182,195; Dec. 5.
Device for measuring high frequency currents. J. Stanek. 2,182,324; Dec. 5.
Device for starting and feeding electric discharge tubes. J. Bethenod. 2,182,609; Dec. 5.
Device for the fabrication of neckties. M. S. Malek. 2,181,997; Dec. 5.
Device for use in making pipe joints. J. H. Lowe and W. King. 2,182,671; Dec. 5.
Devices in timed relation, System of operating. C. J. Fitch. 2,181,939; Dec. 5.
Dishwashing machine, Automatic. M. A. Voris. 2,181,983; Dec. 5.
Dispenser with cap, Paste. W. J. Ziegler. 2,182,606; Dec. 5.
Display apparatus. G. L. Lee. 2,182,441; Dec. 5.
Display device. P. Rosenblatt. 2,182,570; Dec. 5.
Display sign. G. H. Evans. 2,182,147; Dec. 5.
Distributor for sewage treatment systems, Rotary. H. Beddoes. 2,181,932; Dec. 5.
Documents, Restoring inked. A. Lowy and C. H. Campbell. 2,182,672; Dec. 5.
Door machine, Cook-oven. P. H. Lavely. 2,182,494; Dec. 5.
Draft control. E. A. Field, Jr. 2,182,625; Dec. 5.
Dress and lip protector. T. R. Arnee. 2,181,986; Dec. 5.
Drilling and tapping unit, Combination directional. H. Cregar. 2,181,873; Dec. 5.
Drilling machine, Automatic. W. C. Dreyer. 2,182,624; Dec. 5.
Drilling machine, Horizontal. D. M. Hollingsworth. 2,182,477; Dec. 5.
Driving mechanism and clutch therefor. E. R. Maurer. 2,182,404; Dec. 5.
Dye, Polyazo. A. R. Murphy and H. Jordan. 2,182,348; Dec. 5.
Dyeing machine for yarn, Random. R. R. Janes. 2,182,752; Dec. 5.
Dyestuff heavy metal complex compounds, Azo. H. Schweitzer. 2,182,055; Dec. 5.
Dyestuffs and their manufacture, Azo. A. Conzetti. 2,182,721; Dec. 5.
Dyestuffs, Process of producing phthalocyanine. F. Muehlbauer. 2,182,763; Dec. 5.
Dyestuffs, Producing reserves under dyeings of ester salts of leuco vat. E. Tschan. 2,182,140; Dec. 5.
Dyestuffs, Sulphur. R. L. Perkins. 2,182,350; Dec. 5.
Dyestuffs, Sulphur. E. L. Punnett. 2,182,351; Dec. 5.
Educational device. W. Kellwagen. 2,182,084; Dec. 5.
Egg product. R. C. Newton and L. D. Mink. 2,182,209; Dec. 5.
Electrical gauge. E. F. Bacon. 2,181,960; Dec. 5.
Electric iron. J. W. Steele. 2,182,683; Dec. 5.
Electric power transmission system, Parallel. K. Maekawa. 2,182,297; Dec. 5.
Electric switch, Thermostatically operated. G. H. Hart. 2,182,315; Dec. 5.
Electrical cable. F. R. Kalmer. 2,182,667; Dec. 5.
Electrical conductor and insulation therefor. F. R. Kalmer. 2,182,668; Dec. 5.
Electrical connector. O. J. Nelson. 2,182,446; Dec. 5.
Electrical converting system. D. B. Clark. 2,182,014; Dec. 5.
Electrical heating unit. F. E. Owen. 2,182,319; Dec. 5.
Electrical regulating system. S. M. Hanley. 2,182,666; Dec. 5.
Electronic pump. R. W. Reitherman. 2,182,751; Dec. 5.
Electrophysiotherapeutical apparatus. J. H. Dobert. 2,182,223; Dec. 5.
Electrotypes, Apparatus for backing. G. W. Bungay. 2,182,114; Dec. 5.
Electroprocessing machine. G. Todd. 2,182,184; Dec. 5.
Elevating apparatus. L. W. Ferris. 2,181,881; Dec. 5.
Elevator. C. F. Carney. 2,182,667; Dec. 5.
Elevator safety door lock. H. A. Rainey. 2,182,036; Dec. 5.
Engine: *See*—
External combustion engine. Wabble or swash plate engine.
Rotary engine.
Engine. E. Whritenour. 2,182,269; Dec. 5.
Engine and the like, Rotary fluid pressure. E. Booth. 2,182,719; Dec. 5.
Engine on aircraft, Air cooled. P. A. Richard. 2,182,054; Dec. 5.
Engine stand. L. Clergy. 2,182,743; Dec. 5.
Engine starter. J. W. Fitz Gerald. 2,182,584; Dec. 5.
Esters and isobutylene, Interpolymerization of fumaric. H. Hopff and G. Steinbrunn. 2,182,316; Dec. 5.
Ester, Manufacture of cellulose. C. O. Miller and A. E. Siehrs. 2,181,906; Dec. 5.
Ether derivatives of polyhydric alcohols, Manufacture of. E. W. Eckey. 2,182,397; Dec. 5.
Ethylene imines, Polymerization of. H. Ulrich and W. Harz. 2,182,306; Dec. 5.
Exhaust of internal combustion engines, Silencing the. L. G. Hector. 2,182,204; Dec. 5.
External combustion engine. H. M. Gersman. 2,182,430; Dec. 5.
Extraction process. S. L. Leiboff. 2,182,564; Dec. 5.
Extractor. E. L. Miller. 2,182,346; Dec. 5.
Fabrics, Production of effect. G. Rivat. 2,182,321; Dec. 5.
Facsimile transmission apparatus. H. Carlson. 2,182,115; Dec. 5.
Fan, Flexible. P. Nielsen. 2,182,161; Dec. 5.
Fastener: *See*—
Belt fastener. Paper fastener.
Fastener-applying device. A. H. Maynard and J. M. Gambao. 2,181,904; Dec. 5.
Fastening device. R. H. Dean. 2,181,966; Dec. 5.
Fastener inserting machine. S. L. Gookin. 2,182,021; Dec. 5.
Feeder: *See*—
Water feeder.
Feeder for shaped knitted articles, Automatic variable output. G. Lebacey. 2,182,295; Dec. 5.
Fibers in rope form, especially synthetic fibers, Process and device for cutting. E. Blaschke. 2,182,193; Dec. 5.
Fibrous material, Waterproofing. E. B. Bell. 2,182,045; Dec. 5.
Film viewer. S. A. Clechanow. 2,182,514; Dec. 5.
Film winding apparatus. J. E. O. Feller. 2,182,723; Dec. 5.
Filter: *See*—
Camera filter.
Filter bed cleaning. F. L. Pruyn. 2,182,094–5; Dec. 5.
Filter pads, Method and means for supporting. O. E. Quare and B. B. Breslow. 2,182,501; Dec. 5.
Fishing equipment. J. A. Coxe. 2,182,468; Dec. 5.
Fixture, Tying. C. L. Straeten. 2,182,182; Dec. 5.
Flap clamping machine, Breast. W. N. Bray and F. Barton. 2,182,011; Dec. 5.
Flexible coupling. H. H. Gustin. 2,181,888; Dec. 5.
Flexible coupling. W. F. Smith. 2,182,455; Dec. 5.
Flexible coupling. B. E. Thomas. 2,182,711; Dec. 5.
Float box. G. C. Davis. 2,182,469; Dec. 5.
Fluid coupling. R. T. Bucy. 2,182,394; Dec. 5.
Fluid pressure controlled switch. A. Clarkson. 2,182,450; Dec. 5.
Fluid retarding or braking device. F. A. Deutsch. 2,182,016; Dec. 5.
Fluids, Heating of. J. B. Held. 2,182,586; Dec. 5.
Fluoborate compounds, Production of. H. W. Heiser. 2,182,511; Dec. 5.
Fluorides of alkali metals and aluminum, Production of double. H. W. Heiser. 2,182,509–10; Dec. 5.
Folding chair. T. T. Johnson. 2,182,761; Dec. 5.
Food products, Apparatus for coating. J. Clark. 2,182,068 Dec. 5.

Food warming table. J. L. Shroyer. 2,182,682; Dec. 5.
Foods, Processing canned. O. W. Lang and H. C. Betts. 2,182,383; Dec. 5.
Foodstuffs, Preparation of leguminous. R. G. Gates. 2,182,175; Dec. 5.
Foodstuffs, Method and apparatus for preservation of perishable. D. W. Griswold. 2,182,556; Dec. 5.
Foot measuring machine. H. N. Wheeler. 2,181,930; Dec. 5.
Force regulating system. W. G. Cook. 2,182,659; Dec. 5.
Form for molding concrete pipes. J. Arborio. 2,181,958; Dec. 5.
Forming machine, Fluid actuated rolled. J. D. Kreis and E. W. McKinney. 2,182,401; Dec. 5.
Frame: *See*—
Spinning frame.
Frame pressing machine. J. M. Lancaster. 2,182,154; Dec. 5.
Frangible block mounting. S. F. Cox. 2,182,373; Dec. 5.
Freight carrier. C. C. Stetson. 2,182,005; Dec. 5.
Fuel combustion control system. J. T. Fallon. 2,181,970; Dec. 5.
Fuel fired furnace, Forced circulation. A. H. Vaughan. 2,181,928; Dec. 5.
Fuel into an open hearth furnace, Apparatus for introducing. L. S. Lengenecker. 2,182,497–8; Dec. 5.
Furnace: *See*—
Fuel fired furnace. Metallurgical furnace.
Induction furnace. Open hearth furnace.
Furnace for heating. J. C. Woodson. 2,182,218; Dec. 5.
Furniture drawer lock. J. C. Siegel. 2,182,504; Dec. 5.
Furniture, Office. F. A. Schmitz. 2,182,037; Dec. 5.
Furring attachment. W. M. Goldsmith. 2,181,885; Dec. 5.
Game. R. A. Beard. 2,182,531; Dec. 5.
Game apparatus, Educational. W. Spiro. 2,181,925; Dec. 5.
Game, Ball rolling. H. E. Williams. 2,182,418; Dec. 5.
Game, Marble. W. Becker. 2,182,577; Dec. 5.
Garment hanger. R. Guyer. 2,182,665; Dec. 5.
Gas and metal vapor discharge tube. H. J. Spanner. 2,181,924; Dec. 5.
Gas burner. F. A. Raynes. 2,181,862; Dec. 5.
Gas generator. W. M. Venable. 2,182,684; Dec. 5.
Gases and oils and absorption system therefor, Conversion of hydrocarbon. G. L. Eaton. 2,182,536; Dec. 5.
Gasket, Sealing. R. P. Garrison. 2,182,614; Dec. 5.
Gate for die casting. N. Lester. 2,182,402; Dec. 5.
Gate or barrier, Elevator. C. White. 2,182,508; Dec. 5.
Gauge: *See*—
Electric gauge. Micrometer gauge.
Liquid level gauge.
Gear shifter, Fluid pressure operated. P. M. Carter and L. A. Larsen. 2,181,963; Dec. 5.
Gear shifting mechanism. R. L. Kahn. 2,182,438; Dec. 5.
Gearing, Frictional. H. F. Vickers. 2,182,458; Dec. 5.
Generator: *See*—
Gas generator. Saw-tooth wave generator.
High voltage generator.
Generator distributor mechanism, Wind driven. W. G. Dunn. 2,182,224; Dec. 5.
Glass, Apparatus for making safety. J. H. Sherts and B. J. Dennison. 2,182,358; Dec. 5.
Glass sheets, Apparatus for bending. O. H. Paddock. 2,182,448; Dec. 5.
Glassware, Apparatus for cooling. W. K. Berthold. 2,182,167; Dec. 5.
Glassware takeout and fire-finishing device. W. K. Berthold. 2,182,166; Dec. 5.
Glue and process of manufacture therefor. C. N. Cone. 2,182,425; Dec. 5.
Glue treatment. W. M. Urbain and L. B. Jensen. 2,182,186; Dec. 5.
Glycerin lyes and of crude glycerin, Treatment of. R. H. Potts and E. W. Colt. 2,182,179; Dec. 5.
Goggles, Underwater. C. H. Wilen and A. Kramarenko. 2,182,104; Dec. 5.
Governor torque testing and spring calibrating and testing device, Combined. R. G. Handy, C. B. Seymour, and A. A. Altenberg. 2,182,519; Dec. 5.
Grain, Apparatus for separating. H. Mjolsness. 2,182,638; Dec. 5.
Gravity, Measuring. J. D. Malmquist. 2,182,298; Dec. 5.
Grease, Soda soap. V. L. Ricketts. 2,182,137; Dec. 5.
Guide and sealing means, Combination boring bar. G. G. Probert. 2,182,263; Dec. 5.
Guide for business machines, Ink ribbon. W. A. Anderson. 2,182,109; Dec. 5.
Guide for machine tools. F. Eisele. 2,182,019; Dec. 5.
Gun turret for aircraft. P. H. E. de Gavardie. 2,182,722; Dec. 5.
Gyroscope. H. Brandt. 2,182,534; Dec. 5.
Hacksaw, Hydraulically operated. H. Eisenlohr. 2,182,289; Dec. 5.
Hacksaw, Power operated. A. H. Pneuman. 2,182,234; Dec. 5.
Hammock and swing hanger, Nonsqueak. S. L. Hudson. 2,182,587; Dec. 5.
Hand, Hydraulic artificial. J. Sargeson. 2,182,214; Dec. 5.
Hand wheel. F. J. Stolpe. 2,182,413; Dec. 5.
Handbag, Lady's. E. Gresh. 2,182,679; Dec. 5.
Handle: *See*—
Ax handle.
Handle. G. E. Lofgren. 2,182,565; Dec. 5.
Hanger: *See*—
Garment hanger.
Hammock and swing hanger.
Hardness tester. E. P. Polushkin. 2,182,235; Dec. 5.
Harrow control device. J. R. Kovar. 2,182,260; Dec. 5.
Heat controller, Electric. W. B. Elmer. 2,182,048; Dec. 5.
Heat exchanger and making same. A. J. Townsend. 2,181,927; Dec. 5.
Heat transfer apparatus. E. A. Gurilk. 2,182,338; Dec. 5.
Heat transfer process and apparatus. W. H. Sellew. 2,182,453; Dec. 5.
Heater: *See*—
Orchard heater. Solar heater.
Heater for high voltage rectifiers, Anode. H. A. Rose. 2,182,643; Dec. 5.
Hectograph blanket having a duplicating surface covered with a non-adhesive film. J. Bjorksten and W. Hoskins, Jr. 2,181,864; Dec. 5.
Helices without the aid of a core or mandrel, Method and apparatus for making. J. Karitzky. 2,182,342; Dec. 5.
High frequency receiving apparatus. E. Y. Robinson. 2,182,677; Dec. 5.
High voltage generator. N. E. Lindenblad. 2,181,946; Dec. 5.
Hinge. T. E. Raymond. 2,182,546; Dec. 5.
Hinge, Concealed elongating. D. J. Rea. 2,182,704; Dec. 5.
Hinge, Gate. C. W. Bash. 2,182,548; Dec. 5.
Holder: *See*—
Bottle holder. Picture holder.
Condiment holder. Razor blade holder.
Music holder. Tool holder.
Holder for game counters, Counter. M. S. Cowen. 2,182,488; Dec. 5.
Holder for sales slips. R. E. Harding. 2,182,257; Dec. 5.
Holding device. H. W. Tucker. 2,182,392; Dec. 5.
Holding means for folding chairs. E. W. Coble. 2,182,516; Dec. 5.
Honing, Apparatus for. H. L. Blood. 2,182,276; Dec. 5.
Hopper and belt, Asparagus. F. Phillips. 2,182,738; Dec. 5.
Hops, Extracting the essential principles of. L. D. Wood. 2,181,931; Dec. 5.
Hormone. W. Dirscherl. 2,182,073; Dec. 5.
Hormone. W. Dirscherl and J. Kraus. 2,182,074; Dec. 5.
Humidifying system. V. Cano. 2,182,620; Dec. 5.
Hydrocarbon composition. R. Rosen. 2,181,913; Dec. 5.
Hydrocarbon composition. R. Rosen. 2,181,915; Dec. 5.
Hydrocarbons, Hydrogenating aromatic. C. B. Wooster. 2,182,242; Dec. 5.
Hydrogen by the high pressure iron process, Production of. W. H. Marshall, Jr. 2,182,747; Dec. 5.
Hydrogenation ion meter. D. H. Cameron. 2,181,866; Dec. 5.
Ice cream confection apparatus. E. M. Walker. 2,182,713; Dec. 5.
Ice creeper. W. Petruzates. 2,182,737; Dec. 5.
Ignition system, Door controlled. R. J. Courcier, Sr. 2,182,426; Dec. 5.
Illuminating device. R. L. Hohl. 2,182,434; Dec. 5.
Illuminating system, Decorative. E. C. Hanson. 2,181,889; Dec. 5.
Indicator: *See*—
Radio tuning indicator. Specific gravity indicator.
Induction furnace. E. G. Schlup. 2,181,921; Dec. 5.
Inking mechanism for rotary intaglio printing machines. A. M. Zuckerman. 2,182,367; Dec. 5.
Insect destroyer, Field. J. A. Hoffman. 2,182,230; Dec. 5.
Ionic discharge device, High voltage. J. G. Trump. 2,182,185; Dec. 5.
Iron: *See*—
Electric iron.
Jack: *See*—
Lifting jack.
Jack. H. Nilson. 2,182,676; Dec. 5.
Jacket for lead pipes, Sheet metal reinforcing. W. Elsby and C. Kalishe. 2,182,552; Dec. 5.
Jar cap tool. M. Di Grappa. 2,181,876; Dec. 5.
Joint and making same, Ball. A. Venditty. 2,182,601; Dec. 5.
Joint setting apparatus, Expansion. G. T. Nelson. 2,182,302; Dec. 5.
Jointed mechanism. J. Mercier. 2,181,949; Dec. 5.
Key for typewriting and other machines, Finger. J. P. Ward, Jr. 2,181,955; Dec. 5.
Knife peeler. A. C. Tamke. 2,182,710; Dec. 5.
Knitting machine. F. Lambach. 2,182,493; Dec. 5.
Knob assembly, Two-piece molded. J. B. Tegarty. 2,182,007; Dec. 5.
Ladder, Collapsible. L. M. Boor. 2,182,277; Dec. 5.
Ladder step, Adjustable. G. Herline. 2,182,475; Dec. 5.
Lamp: *See*—
Metal vapor lamp.
Lasts, Apparatus for remodeling. J. D. Owen. 2,182,447; Dec. 5.
Latch: *See*—
Compartment door latch.
Lead composition, Red. J. O. Johnstone. 2,182,436; Dec. 5.

Lead oxide and preparation. J. O. Johnstone. 2,182,479; Dec. 5.
Lehr, Glassware annealing. F. E. Dorsey. 2,182,173; Dec. 5.
Lens and making the same, Ophthalmic. O. G. Haussmann. 2,182,537; Dec. 5.
Lever for hand brakes for railway cars, Bell-crank. J. A. Hyle. 2,182,561; Dec. 5.
Lifeboat safety mounting. S. I. Schwabacher. 2,182,265; Dec. 5.
Lifter and belt releaser, Straw hood. B. W. and G. G. Lefferdink. 2,182,592; Dec. 5.
Lifting jack. A. Rissane. 2,182,705; Dec. 5.
Lifting mechanism for skylights and the like. M. Anchillowitz. 2,182,574; Dec. 5.
Light beams, Dividing polarized. J. A. Ball and W. C. Hoch. 2,182,142; Dec. 5.
Light projecting device. M. A. Martin. 2,182,155; Dec. 5.
Lighter and display device, Automatic. H. E. Goldstine. 2,182,336; Dec. 5.
Lining and coating of pipes, Protective. O. G. Goldman. 2,182,227; Dec. 5.
Liquid dispensing apparatus. F. W. Sturm and B. J. Pepper. 2,182,766; Dec. 5.
Liquid heating apparatus. H. W. O'Dowd. 2,182,735; Dec. 5.
Liquid level gauge. G. J. Oestreicher. 2,182,749; Dec. 5.
Lock: *See*—
Elevator safety door lock. Furniture drawer lock.
Lock. M. O. Behnke. 2,182,307; Dec. 5.
Lock. E. N. Jacobi. 2,182,588; Dec. 5.
Locomotive and stoker therefor. E. A. Turner and C. J. Surdy. 2,182,506; Dec. 5.
Locomotive structure, Electric. K. Pohlhausen. 2,182,640; Dec. 5.
Loom. G. Wiget. 2,182,103; Dec. 5.
Loom picking mechanism. J. H. Chadbourne and C. A. Burdick. 2,182,487; Dec. 5.
Lubricator: *See*—
Railway journal lubricator.
Luggage case. G. H. Wheary. 2,182,604; Dec. 5.
Luminescent material. H. W. Leverenz. 2,182,087; Dec. 5.
Machine and optical system, Combined. E. D. Wilson and G. E. Stoltz. 2,182,651; Dec. 5.
Machine for cutting or shearing metal plates and the like. K. G. Östberg. 2,182,162; Dec. 5.
Machine for inspecting, boxing, and weighing metal sheets. F. O. Phillips and G. T. Evans. 2,182,408; Dec. 5.
Machine for molding and dividing plastic material. F. Bruggimann. 2,182,656; Dec. 5.
Machine for operating on fruits and the like. T. B. Hitchens. 2,182,538; Dec. 5.
Machine for shaping uppers over lasts. B. Jorgensen. 2,181,896; Dec. 5.
Machine tool. H. E. Edwards. 2,182,551; Dec. 5.
Make and break device. G. Soulat. 2,182,038; Dec. 5.
Maltosamine and preparing it. J. H. Werntz. 2,181,929; Dec. 5.
Marine growths which impede navigation, Apparatus for destroying and removing. E. Bell. 2,181,863; Dec. 5.
Marker, Garment. R. Hoffman. 2,182,024; Dec. 5.
Marker, Plant. J. N. Magovern. 2,181,977; Dec. 5.
Masonry unit or block. J. Erdman. 2,182,470; Dec. 5.
Match book structure. L. O. H. Lemke. 2,182,495; Dec. 5.
Materials, Treatment of textile. G. W. Seymour. 2,182,323; Dec. 5.
Meat marking. A. S. Hartanov. 2,182,203; Dec. 5.
Meat preparing instrument. C. L. Hagan. 2,182,379; Dec. 5.
Meat wrapping method. B. E. Williams and L. L. Cadwell. 2,182,190; Dec. 5.
Mechanical movement. E. E. Lindsey. 2,182,522; Dec. 5.
Metal, Apparatus for extruding. C. J. Beaver and T. J. Fairfield. 2,181,987; Dec. 5.
Metal article and making same, Porous. W. F. Bolesky, W. Waleke, and J. A. Lutz. 2,182,741; Dec. 5.
Metal bodies, Apparatus for heating. C. V. Eskridge. 2,181,937; Dec. 5.
Metal powders, Production of. C. L. Mantell. 2,182,567; Dec. 5.
Metal vapor lamp. F. Meyer, H.-J. Spanner, and E. Germer. 2,182,732; Dec. 5.
Metals and preventing their ignition, Extinguishing burning light. F. Kotz and A. Bergmann. 2,182,440; Dec. 5.
Metallurgical furnace. A. M. Morton. 2,182,675; Dec. 5.
Metallurgy. C. R. Kuzell. 2,182,128–9; Dec. 5.
Meter: —
Hydrogenation ion meter.
Meter box. R. M. Walker, C. M. Jenkins, and C. W. Strong. 2,182,603; Dec. 5.
Meter connection device. E. G. Johansson. 2,182,629; Dec. 5.
Micrometer gauge. E. P. Polushkin. 2,182,236; Dec. 5.
Microscope, Reflector. J. M. Sullivan. 2,182,099; Dec. 5.
Microscopes, Means for improving the available resolving power of. H. N. Ott. 2,182,499; Dec. 5.
Milk and cream, Deodorizing. E. M. Davis. 2,182,335; Dec. 5.
Milk bottle carrier. E. E. Donaghy. 2,182,017; Dec. 5.
Mill: *See*—
Coffee mill.
Mills, Tube and the like. J. E. Kennedy. 2,181,943; Dec. 5.
Milling machine. J. B. Armitage. 2,182,421; Dec. 5.
Milling machine for copying or profiling. H. F. Atkins. 2,182,331; Dec. 5.
Mineral matter, Colloidal. C. E. Kraus. 2,182,086; Dec. 5.
Mining, Method of and apparatus for. J. F. Joy. 2,182,127; Dec. 5.
Mirror and sign, Combination rear vision. B. G. Blomkvist. 2,182,275; Dec. 5.
Mixer motor unit. I. Jepson and P. A. Chamberlain. 2,182,083; Dec. 5.
Mold for forming solder bars. C. E. Burke. 2,182,013; Dec. 5.
Mono-calcium phosphate, Manufacture of. L. Block and C. S. King. 2,181,933; Dec. 5.
Motor: *See*—
Polyphase alternating current motor.
Motor drive, Mechanical. C. E. Wyrick. 2,182,529; Dec. 5.
Mount for photographic prints or the like. L. A. Chilcote. 2,182,515; Dec. 5.
Mounting: *See*—
Frangible block mounting. Packing gland mounting.
Lifeboat safety mounting. Watch mounting.
Mounting for blackboards and the like. C. D. Lowry. 2,182,481; Dec. 5.
Mounting for hollow metal doors, Lock. W. R. Schlage. 2,182,503; Dec. 5.
Mounting for handbags, Purse. G. Landberg. 2,182,563; Dec. 5.
Mouthpiece for reed musical instruments. D. L. Fauss. 2,181,880; Dec. 5.
Muffler. Q. G. Noblitt and E. Ludlow. 2,182,405; Dec. 5.
Music holder. G. M. Eads. 2,182,287; Dec. 5.
Naphthenes, Alkylation of. A. V. Grosse. 2,182,557; Dec. 5.
Negative impedance circuit. L. C. Peterson. 2,181,909; Dec. 5.
Network, Attenuating. H. A. Wheeler. 2,182,329; Dec. 5.
Nibbling machine. J. A. Murrian, K. J. Chapman, and W. M. Fulton. 2,182,544; Dec. 5.
Nickel, Rolling of cathode. R. R. Clappier and J. O. McDowell. 2,181,936; Dec. 5.
Nitrocellulose, Preparation of. G. A. Richter. 2,181,911; Dec. 5.
Nozzle for locomotives, Exhaust. F. H. Carroll. 2,182,370; Dec. 5.
Nozzle, Suction. E. Edström. 2,182,146; Dec. 5.
Nozzle, Suction. G. E. Lofgren. 2,182,344; Dec. 5.
Oil composition, containing arylated metallo-organic inhibitors. R. Rosen. 2,181,914; Dec. 5.
Oil, Process and apparatus for treating. H. C. Eddy. 2,182,145; Dec. 5.
Oil, Sulphurized lubricating. M. B. Chittick. 2,181,964; Dec. 5.
Oil well apparatus. J. D. Pace. 2,182,545; Dec. 5.
Oils, Conversion and coking of hydrocarbon. J. D. Seguy. 2,182,599; Dec. 5.
Oils, Reconstructing glyceride. G. Barsky. 2,182,332; Dec. 5.
Oils, Refining animal and vegetable. B. Clayton, W. B. Kerrick, H. M. Stadt, and B. H. Thurman. 2,182,755; Dec. 5.
Oils, Treating hydrocarbon. H. E. Drennan. 2,181,877; Dec. 5.
Olefins, Polymerization of. J. A. Anderson. 2,182,512; Dec. 5.
Olefins, Polymerization of. V. M. Ipatieff and H. Pines. 2,181,942; Dec. 5.
Olefins, Polymerization of. R. Michel. 2,182,617; Dec. 5.
Open-hearth furnace. A. M. Morton. 2,182,674; Dec. 5.
Operating means for receptacle closures. C. F. Hamel. 2,182,432; Dec. 5.
Operator. J. C. Van Riper. 2,182,769; Dec. 5.
Orchard heater. R. A. Campbell. 2,182,143; Dec. 5.
Ordnance, Piece of. E. W. Brandt. 2,182,010; Dec. 5.
Ore, particularly iron ore, Reducing. F. M. Wibert. 2,182,009; Dec. 5.
Organic compounds, Dehydrogenation of. H. P. A. Groll and J. Burgin. 2,182,431; Dec. 5.
Ornament. J. Schlesinger. 2,182,356; Dec. 5.
Overload release clutch. J. C. Gauld. 2,182,627; Dec. 5.
P-aminobenzenesulphonamide, Water soluble derivatives of. J. Ebert. 2,182,075; Dec. 5.
Packer. J. O. Brumbly. 2,182,549; Dec. 5.
Packing gland mounting. T. E. Boyer and L. P. Stockman. 2,182,246; Dec. 5.
Packing material. C. S. Crickmer and R. A. Lamb. 2,182,251; Dec. 5.
Packing, Water pump. W. A. Geise. 2,182,226; Dec. 5.
Pallet and roller jewel setter. I. Gaston. 2,181,971; Dec. 5.
Pan, Baking. C. E. Stainbrook. 2,182,215; Dec. 5.
Panoramic device. J. Crespo. 2,182,334; Dec. 5.
Paper fastener. O. A. Ross. 2,182,058; Dec. 5.
Paper feeding device. G. Ghertman. 2,181,992; Dec. 5.

Paper holding and feeding apparatus for computing machines. W. A. Anderson. 2,182,108; Dec. 5.
Paring machine. W. H. Buchhagen. 2,182,688; Dec. 5.
Parking device. J. H. Moffat and C. H. Taylor. 2,181,907; Dec. 5.
Pedicure accessory for bathtubs. G. B. Bentz. 2,182,532; Dec. 5.
Phenol-ketone condensation products, Manufacture of. E. C. Britton and F. Bryner. 2,182,308; Dec. 5.
Phonograph, Automatic. W. F. Schulz. 2,182,739; Dec. 5.
Phonograph pickup, Electric. C. E. Semple, Jr., and F. J. Malat. 2,182,138; Dec. 5.
Phosphates, Organic. E. C. Britton and C. L. Moyle. 2,182,309; Dec. 5.
Phosphatides from soap stock, Obtaining. B. H. Thurman. 2,182,767; Dec. 5.
Photographic developer. J. R. Alburger. 2,181,861; Dec. 5.
Photographic developer. P. Goldacker, G. Maiser, and E. Schmitz-Hillebrecht. 2,181,941; Dec. 5.
Photographic printing. M. H. Tucker. 2,182,325; Dec. 5.
Photo gun. F. Schenk. 2,182,097; Dec. 5.
Picture holder. C. N. Cross. 2,181,874; Dec. 5.
Pictures, Production of black-and-white photographic. J. Kleine and G. Wilmanns. 2,181,944; Dec. 5.
Pie trimming machine. G. S. Frost. 2,182,079; Dec. 5.
Pigment and making same, Coating. H. Roderick. 2,182,096; Dec. 5.
Pin: *See*—
Cotter pin.
Pipe and valve for controlling the flow of fluid therethrough. J. B. Hennessy. 2,182,724; Dec. 5.
Pipes, Making perforated concrete. J. Arborio. 2,181,959; Dec. 5.
Piston and flush valve. J. D. Langdon. 2,181,900; Dec. 5.
Pistons for internal combustion engines, Making thin walled plated. R. H. McCarroll. 2,181,947; Dec. 5.
Plastic compositions, Sound absorbent. J. G. Britton. 2,182,535; Dec. 5.
Plastic material, Molding. H. R. Husted. 2,182,400; Dec. 5.
Platen and/or feed roller for typewriting and like machines. A. E. Vickery. 2,182,141; Dec. 5.
Plow attachment. O. Fleck. 2,182,020; Dec. 5.
Plug: *See*—
Spark plug.
Plug. L. B. MacGregor. 2,182,483; Dec. 5.
Plugging tool. C. C. Brown. 2,182,196; Dec. 5.
Plunger, Pump. S. B. Sargent, Jr. 2,182,527; Dec. 5.
Plywood, Treating and using. H. J. Ries. 2,181,912; Dec. 5.
Polyphase alternating current motor. C. C. Shutt. 2,182,646; Dec. 5.
Pot, Melting. N. Lester. 2,182,403; Dec. 5.
Power distributing system. A. F. Kenyon. 2,182,630; Dec. 5.
Power steering mechanism. R. Tinker. 2,182,102; Dec. 5.
Power transmission. W. T. Dunn. 2,182,427; Dec. 5.
Power transmission, Motor vehicle. A. J. and H. S. Phelan. 2,182,407; Dec. 5.
Power transmitting device. F. N. Cooley and R. J. Harter. 2,182,395; Dec. 5.
Press for electric cables and utilizing the same, Hydraulic. E. D. Eby and T. C. Aitchison. 2,182,663; Dec. 5.
Presser member for clicking machines. M. Maeser. 2,181,903; Dec. 5.
Pressing machine clamp. H. E. Cohen. 2,182,199; Dec. 5.
Pressure regulating device. C. H. McRaven. 2,182,731; Dec. 5.
Printing mechanism. A. W. Mills. 2,181,999; Dec. 5.
Printing plates and method of and apparatus for producing the same, Photogravure. C. L. Henderson. 2,182,559; Dec. 5.
Product for use as nonrusting and noncorroding antifreezing mixtures. C. D. Eaton. 2,182,612; Dec. 5.
Propeller with variable pitch, Aerial. C. R. Waselge. 2,181,985; Dec. 5.
Protective cover. S. M. Griswold. 2,182,022; Dec. 5.
Protective cover. S. M. Griswold. 2,182,256; Dec. 5.
Protector: *See*—
Dress and lip protector.
Protector for men's collars, Antisoil. T. Cohen. 2,182,582; Dec. 5.
Pulley, Clothesline. W. E. Veteran. 2,182,602; Dec. 5.
Pulp from highly resinous woods, Production of. K. Schwabe. 2,182,520; Dec. 5.
Pulp refiner. M. Skolnik. 2,182,391; Dec. 5.
Pump: *See*—
Electronic pump. Rotary pump.
Pump. C. W. Sproull. 2,182,062; Dec. 5.
Pump impellers to driving shafts, Keying. J. M. Sinclair. 2,182,240; Dec. 5.
Pumping system. O. J. Jasberg. 2,181,973; Dec. 5.
Punch. W. J. Ehrsam. 2,182,744; Dec. 5.
Punching machine. F. L. Fuller. 2,181,991; Dec. 5.
Pyrolysis of secondary-butylbenzene derivatives. R. R. Dreisbach. 2,182,313; Dec. 5.
Rack: *See*—
Barrel rack.
Rack for cigarette packages. W. R. Ford. 2,182,255; Dec. 5.
Rack for lace reels, Display. F. A. Wolfert. 2,182,605; Dec. 5.
Rack for warp tying machines. H. P. Eanes. 2,182,288; Dec. 5.
Radial bearing. H. A. S. Howarth. 2,182,539; Dec. 5.
Radiator pressure cap. J. E. Eshbaugh. 2,181,969; Dec. 5.
Radio directing and direction finding system. G. E. M. Perroux. 2,182,134; Dec. 5.
Radio direction finding apparatus. P. Giroud. 2,182,118; Dec. 5.
Radio tube manufacture. F. Hulster. 2,182,341; Dec. 5.
Radio tuning indicator. W. J. Schnell. 2,182,572; Dec. 5.
Rail for heat treating furnaces, Roller. H. H. Harris. 2,182,202; Dec. 5.
Rails, Apparatus for hardening the ends of track. F. M. Graham. 2,182,120; Dec. 5.
Railway journal lubricator. J. J. Hennessy. 2,182,205; Dec. 5.
Ram, Mechanical. G. W. Bowen. 2,182,245; Dec. 5.
Razor blade holder, Safety. A. Richstone. 2,182,354; Dec. 5.
Razor, Safety. J.-B. R. Savary. 2,182,571; Dec. 5.
Razor, Safety. R. E. Thompson and A. A. Martin. 2,182,649; Dec. 5.
Receptacle: *See*—
Card or certificate receptacle.
Reciprocating mechanism. W. Ferris. 2,182,745; Dec. 5.
Reclining chair. T. D. Owler. 2,182,598; Dec. 5.
Record controlled machine. A. W. Mills. 2,181,998; Dec. 5.
Recorder, Automatic. D. H. Cameron. 2,181,867; Dec. 5.
Recorder mechanism. G. W. Grisdale. 2,182,123; Dec. 5.
Recording unit. C. J. Fitch and K. R. Schneider. 2,181,940; Dec. 5.
Rectifying device. F. M. Penning. 2,182,736; Dec. 5.
Reel. F. J. Samerdyke. 2,181,916; Dec. 5.
Reel seat. K. D. Richards. 2,182,409; Dec. 5.
Reflector element. R. L. Tiger. 2,181,926; Dec. 5.
Reflux proportioner, Mechanically operated. T. M. Gunn. 2,182,378; Dec. 5.
Refrigerant distributor for cooling units. F. D. Gowans. 2,182,664; Dec. 5.
Refrigerating apparatus. E. L. Anderson and J. Engalitcheff, Jr. 2,182,718; Dec. 5.
Refrigerating apparatus. J. W. Craig. 2,182,312; Dec. 5.
Refrigerating apparatus. E. L. Kastler. 2,181,898; Dec. 5.
Refrigerating apparatus. E. B. Newill. 2,182,318; Dec. 5.
Refrigeration. A. A. Kucher. 2,182,153; Dec. 5.
Refrigerator. S. M. Bäckström. 2,182,273; Dec. 5.
Refrigerator. H. H. Roark. 2,182,003; Dec. 5.
Refrigerator apparatus. O. M. Anderson. 2,181,858; Dec. 5.
Refrigerator car, Railway. R. B. Winship. 2,182,652; Dec. 5.
Registering mechanism for printing cylinders. W. F. Huck. 2,181,895; Dec. 5.
Regulator control equipment. L. G. Tubbs. 2,182,650; Dec. 5.
Relay depending on the ratio between current and voltage and the phase displacement, Tilting. H. Poleck. 2,182,641; Dec. 5.
Relay, Electromagnetic. W. R. Rose. 2,182,452; Dec. 5.
Relay, Time delay. C. M. Lubcke. 2,182,130; Dec. 5.
Remote control for transmission. J. Dolza and A. W. Gaubatz. 2,182,252; Dec. 5.
Repair clamp. C. E. Kirk. 2,182,258; Dec. 5.
Reproducing machine. W. G. Shipman. 2,182,707; Dec. 5.
Resin sheet containing tripropionin, Polyvinyl acetal. E. K. Carver and B. E. Gramkee. 2,182,371; Dec. 5.
Resin sheets containing an alkyl carbamate and dibutyl phthalate, Polyvinyl acetal. H. B. Smith and D. R. Swan. 2,182,359; Dec. 5.
Resin sheets containing benzyl hydrogen succinate, Polyvinyl acetal. H. B. Smith. 2,182,361; Dec. 5.
Resin sheets containing di-(2-(beta-ethoxyethoxy)-ethyl) formal, Polyvinyl acetal. H. B. Smith. 2,182,362; Dec. 5.
Resin sheets containing Di-(2-(beta-butoxyethoxy)-ethyl)-formal, Polyvinyl acetal. H. B. Smith and D. R. Swan. 2,182,363; Dec. 5.
Resin sheets containing o-cresyl toluene sulphonate, Polyvinyl acetal. H. B. Smith. 2,182,360; Dec. 5.
Resins and producing same, Silicon modified phenolic. H. K. Nason. 2,182,208; Dec. 5.
Resins, Synthetic. H. H. Hopkins and F. A. McDermott. 2,181,893; Dec. 5.
Resonant line. N. E. Lindenblad. 2,181,901; Dec. 5.
Rest, Multiple steady. R. A. Cole. 2,182,311; Dec. 5.
Rest, Ventilated back. L. B. Farrell. 2,182,253; Dec. 5.
Retort. F. Pope. 2,182,750; Dec. 5.
Roadways, Defining. O. K. Jelinek. 2,182,697; Dec. 5.
Rod and reel, Salt water. A. A. Cabassa. 2,182,423; Dec. 5.
Roofing, Asphalt. P. Rumer. 2,182,526; Dec. 5.
Roofing element. R. C. McKinnie. 2,182,444; Dec. 5.
Rotary engine. M. B. Booth. 2,181,962; Dec. 5.
Rotary pump. W. Czarnecki. 2,182,072; Dec. 5.
Rotary switch. L. A. Yeske. 2,182,715; Dec. 5.
Rotary tool. P. Van Sittert. 2,182,416; Dec. 5.

Rotor unit for spraying liquids. H. A. Faber. 2,182,471; Dec. 5.
Rubber, Increasing the apparent density of chlorinated. W. E. Gloor. 2,182,473; Dec. 5.
Rubber, Production of chlorinated. W. H. Stevenson. 2,182,456; Dec. 5.
Rubber sheet, Microporous. E. Hazell. 2,181,891; Dec. 5.
Ruler. C. H. Little. 2,182,027; Dec. 5.
Ruler, Drafting. C. H. and C. H. Little. 2,182,028; Dec. 5.
Rupture appliance. H. J. Schoeben. 2,182,264; Dec. 5.
Safety device for firearms. W. M. Harton. 2,182,693; Dec. 5.
Salts of interface modifying agents, Preparation of. B. R. Harris. 2,181,890; Dec. 5.
Sand conditioning apparatus. S. B. Davies. 2,182,284; Dec. 5.
Sanding wheel, Tiltable adjustable. C. Jones. 2,182,725; Dec. 5.
Sausage, Preparation of. L. S. Paddock. 2,182,211; Dec. 5.
Saw-tooth wave generator. R. Andrieu. 2,182,608; Dec. 5.
Saw-tooth wave generator. M. Geiger. 2,182,555; Dec. 5.
Scale. B. W. King. 2,182,590; Dec. 5.
Scraper for tubular heat exchanger, Rotary. W. G. Vogel. 2,182,712; Dec. 5.
Scraper, Heavy duty. C. Le Bleu. 2,182,670; Dec. 5.
Screen: *See*—
Cathode ray tube screen.
Window screen.
Service regulator screen.
Screw. C. G. Olson. 2,182,568; Dec. 5.
Screw and making same. T. A. O'Leary. 2,182,092; Dec. 5.
Screw driver. E. Magnano. 2,182,673; Dec. 5.
Sealing structure for deep well pumps. C. R. McDaniel. 2,182,730; Dec. 5.
Seat: *See*—
Reel seat.
Separator and collector, Dust. L. C. Smith. 2,182,165; Dec. 5.
Service regulator. F. Niesemann. 2,182,701; Dec. 5
Shank stiffener unit. W. H. Nutt. 2,182,033; Dec. 5.
Sharpener, Skate. Z. M. Smolarek. 2,181,923; Dec. 5.
Shaver and shearing blade therefor, Electric. J. Bruecker. 2,182,066; Dec. 5.
Sheet and production thereof, Vitreous enameled. A. L. Matthes. 2,182,132; Dec. 5.
Sheet feeding mechanism. W. F. Huck. 2,182,435; Dec. 5.
Sheet feeding mechanism. A. Novick. 2,182,595; Dec. 5.
Sheets, Feeding and regulating. C. W. Harrold. 2,182,023; Dec. 5.
Shelf construction, Slide. F. L. W. Link. 2,182,026; Dec. 5.
Shelf, Corner. F. F. Spetz and E. Schroedter. 2,182,600; Dec. 5.
Shield, Automobile draft. J. F. Anderson. 2,182,107; Dec. 5.
Shield, Spray. J. Uytenbogaart and A. Hartmann. 2,182,768; Dec. 5.
Shield, Tube. M. Alden. 2,182,607; Dec. 5.
Shielding and current conducting assembly. A. Adkinson. 2,181,860; Dec. 5.
Ship propulsion. W. Schaelchlin. 2,182,644; Dec. 5.
Shipping container. O. O. Nickerson. 2,182,748; Dec. 5.
Shirts, Device for packaging men's collar attached. W. C. Krout. 2,182,050; Dec. 5.
Shock absorber. P.-F. G. B. von Oberstadt. 2,182,034; Dec. 5.
Shock absorber and the like damping means, Hydraulic. F. G. G. Armstrong. 2,182,271–2; Dec. 5.
Shock absorber for automobiles. J. E. and E. Kellner. 2,182,085; Dec. 5.
Shock absorber, Hydraulic. A. B. Casper. 2,182,581; Dec. 5.
Shoe and making the same. A. G. Timson. 2,182,042; Dec. 5.
Shoe sole, Spiked detachable. C. H. Erdman. 2,182,375; Dec. 5.
Shoes, Method and apparatus for use in lasting. J. Fausse. 2,182,491; Dec. 5.
Shredder, Paper. E. G. Ashley. 2,182,219; Dec. 5.
Shuttle, Loom. J. B. Daudelin and E. E. Talbot. 2,182,144; Dec. 5.
Shuttle mechanism for ring shuttle sewing machines. A. Schenzinger. 2,181,951; Dec. 5.
Sign: *See*—
Display sign.
Sign. C. A. Fine. 2,181,938; Dec. 5.
Signs, Device for increasing effectiveness of Neon. J. H. Pearlman. 2,182,233; Dec. 5.
Signal: *See*—
Vehicle direction signal.
Warning signal.
Signal control system, Railway. J. B. Griffiths, and A Brown. 2,182,122; Dec. 5.
Signaling apparatus, Railway. W. P. Place. 2,182,163; Dec. 5.
Signaling system. R. B. Hearn. 2,182,340; Dec. 5.
Signaling system, Electric. E. W. Hullegård. 2,182,152; Dec. 5.
Signaling system, Railway. A. Brown. 2,182,170; Dec. 5.
Silk, Apparatus for making artificial. J. L. Hutchings. 2,182,540; Dec. 5.
Silk from cuprammonium cellulose solutions, Process and apparatus for spinning artificial. K. Frowein, G. Bauriedel, and V. Elsaesser. 2,182,429; Dec. 5.
Silk, Manufacture of artificial. E. Mengeringhausen and F. Berndt. 2,182,762; Dec. 5.
Silo. W. C. Lutz. 2,182,728; Dec. 5.
Slicing machine. C. J. Shlevin. 2,182,708; Dec. 5.
Solar heater. S. A. and W. F. Courtis. 2,182,222; Dec. 5.
Solenoid. C. N. Weiler. 2,182,685; Dec. 5.
Solids from pulp mill waste liquors, Recovering the. E. Fladmark. 2,182,428; Dec. 5.
Sound recording, Electrical. P. C. Ricchiardi. 2,182,136; Dec. 5.
Spark plug. H. P. Sparkes. 2,182,061; Dec. 5.
Specific gravity indicator. H. H. Decker. 2,182,172; Dec. 5.
Speed control mechanism, Automatic variable. H. J. Byrne. 2,182,310; Dec. 5.
Speed governor for electric motors. W. A. Anderson. 2,182,111; Dec. 5.
Speed mechanism, Change. P. Mattia. 2,182,542; Dec. 5.
Speed power transmission, Variable. F. Whitcomb. 2,182,507; Dec. 5.
Spindle. E. C. Bunnell. 2,182,012; Dec. 5.
Spinning frame. K. Honda. 2,182,695; Dec. 5.
Spirits, Apparatus and method of regauging distilled. H. Seibel. 2,182,681; Dec. 5.
Spool, Film. F. J. Gantnier. 2,182,398; Dec. 5.
Spraying apparatus for dental, medical, and like purposes. W. Brewer. 2,182,742; Dec. 5.
Spring. W. Wailat. 2,181,954; Dec. 5.
Spring suspension. C. A. Chayne. 2,182,248–9; Dec. 5.
Stage setting. E. Gilbert. 2,182,757; Dec. 5.
Stand: *See*—
Engine stand.
Static pressure measuring device. A. S. Chipley and R. L. Leadbetter. 2,182,280; Dec. 5.
Station construction, Filling. D. D. Hogarth. 2,182,126; Dec. 5.
Steel. O. E. Harder. 2,182,758–9; Dec. 5.
Steel. Apparatus for treating strip. A. Simon. 2,182,060; Dec. 5.
Steel retainer. W. A. Smith, Sr. 2,182,365; Dec. 5.
Steering mechanism for automobiles, and correspondingly steered vehicles. O. A. Olsen. 2,182,596; Dec. 5.
Stoker. C. J. Surdy and E. A. Turner. 2,182,505; Dec. 5.
Stop mechanism for looms, Automatic. I. K. Hauseman. 2,182,149; Dec. 5.
Stove, Gas. H. W. O'Dowd. 2,182,734; Dec. 5.
Strap tensioning and sealing device. H. J. Spencer. 2,182,004; Dec. 5.
Stretcher, Wire. W. F. Hatfield. 2,182,148; Dec. 5.
Strip for seaplanes, Spray. W. S. Diehl. 2,181,875; Dec. 5.
Structural element and connector. J. H. Markowski. 2,182,523; Dec. 5.
Suction cleaner. C. W. Traut. 2,182,457; Dec. 5.
Support: *See*—
Transformer support.
Support. G. F. Hauf. 2,182,474; Dec. 5.
Surface godet and spinning apparatus, Duplex. E. R. Blount. 2,181,934; Dec. 5.
Surfaces, Heating broad. R. J. Kehl. 2,181,974; Dec. 5.
Surgical device. W. F. Reardon. 2,182,390; Dec. 5.
Switch: *See*—
Automobile signal switch.
Baffled mercury switch.
Electric switch.
Fluid pressure controlled switch.
Rotary switch.
Vehicle steering wheel switch.
Switch frog and assembly. Railroad. C. E. Everhart. 2,182,290; Dec. 5.
Switching system and apparatus therefor. G. R. Crane and B. B. Hayworth. 2,182,070; Dec. 5.
Synchronizing system. H. J. Nichols. 2,182,000; Dec. 5.
Table: *See*—
Card table.
Food warming table.
Table and associated seat. J. C. Higgins. 2,182,476; Dec. 5.
Tabulating machine. G. Tauschek. 2,182,006; Dec. 5.
Tags and advertising plates, Supporting and illuminating license. S. Zomzely. 2,182,419; Dec. 5.
Tap lock expansion or cotter pin. A. Mattson. 2,182,299; Dec. 5.
Tappet, Self-locking adjustable. R. H. Daisley. 2,181,965; Dec. 5.
Target practising apparatus. F. C. McClellan. 2,181,948; Dec. 5.
Telegraph apparatus, Printing. H. L. Krum. 2,182,634; Dec. 5.
Telegraph apparatus, Printing. H. L. Krum and C. W. Swan. 2,182,635; Dec. 5.
Telegraph system, Printing. A. E. Thompson and R. D. Salmon. 2,182,101; Dec. 5.
Telephone attachment. R. L. Lemon. 2,182,496; Dec. 5.
Telephone set for communication in airplanes. G. Klein. 2,182,727; Dec. 5.
Telephone system, Automatic. H. J. Lurk. 2,182,482; Dec. 5.
Television and like system. G. W. Walton. 2,182,043; Dec. 5.
Television receiving apparatus. R. Urtel. 2,182,326; Dec. 5.

Television transmitting system. A. D. Blumlein and J. D. McGee. 2,182,578; Dec. 5.
Temperature controlling and ventilating system. P. B. Parks and W. M. Smith. 2,182,449; Dec. 5.
Temperature responsive resistor. R. W. Smith. 2,181,981; Dec. 5.
Tension stresses, Apparatus for measuring. L. Sensa. 2,182,267; Dec. 5.
Tent, Chapel. T. I. Curtis. 2,182,283; Dec. 5.
Testing apparatus. A. D. Adair. 2,182,368; Dec. 5.
Theobromine alkaline earth metal gluconates. R. J. Fosbinder. 2,182,314; Dec. 5.
Thermo-compression process, Duplex solution. W. H. Sellew. 2,182,098; Dec. 5.
Thermoplastic articles, Method and means for molding. J. S. Reid. 2,182,389; Dec. 5.
Thermostatic control. E. L. Aldworth. 2,181,957; Dec. 5.
Tire casings, Apparatus for forming pneumatic. H. F. Maranville. 2,182,176; Dec. 5.
Titanium dioxide, Making. B. W. Allan and L. G. Bousquet. 2,182,420; Dec. 5.
Toaster. A. Guerra. 2,182,124; Dec. 5.
Toaster, Electric. H. Hamel. 2,182,229; Dec. 5.
Tobacco, Apparatus for curing. R. Crane and W. J. Snadecki. 2,182,753; Dec. 5.
Toe softener. C. E. Martin. 2,182,541; Dec. 5.
Tool: *See*—
Cutting tool.
Jar cap tool.
Machine tool.
Plugging tool.
Rotary tool.
Valve stem grinding tool.
Tool holder. B. F. Rosenberg and J. A. Scully. 2,182,411; Dec. 5.
Tool, Manufacturing a shaving. J. Bruecker. 2,182,067; Dec. 5.
Tool spinner for well drilling. W. H. Dumble. 2,182,374; Dec. 5.
Tower, Spray. R. G. Bowman. 2,182,533; Dec. 5.
Toy airplane. W. Kramer. 2,182,591; Dec. 5.
Toy aircraft. S. C. Ogsbury, C. Barron, and I. R. Park. 2,182,406; Dec. 5.
Toy gun. H. Schmarion. 2,181,952; Dec. 5.
Toy, Roll-over. W. E. Rexford. 2,182,642; Dec. 5.
Trailer, Dump. A. Felgelson. 2,182,077; Dec. 5.
Transfer mechanism. L. E. Lovett. 2,181,902; Dec. 5.
Transformer. T. R. Kennedy. 2,181,899; Dec. 5.
Transformer support. E. W. Dillard. 2,182,660; Dec. 5.
Transformer, Variable high frequency. S. Tarzian. 2,181,982; Dec. 5.
Transmission. A. Y. Dodge. 2,182,621; Dec. 5.
Transmission system. E. I. Green. 2,182,337; Dec. 5.
Tray, Ice cube. A. G. Sherman. 2,182,454; Dec. 5.
Trimming effects, Producing a variety of. H. Levine. 2,182,521; Dec. 5.
Tube: *See*—
Collapsible tube.
Gas and metal vapor discharge tube.
Tube and other container. H. D. Newell. 2,182,177; Dec. 5.
Tubular unit for boiler walls. T. E. Murray, Jr. 2,181,950; Dec. 5.
Tubular structures, Fabricating. A. S. Windeler. 2,182,330; Dec. 5.
Tuning arrangement with selective setting of predetermined frequencies. R. Prochnow. 2,182,352; Dec. 5.
Tuning, Silent. C. S. Root. 2,182,678; Dec. 5.
Two hand control. W. C. Eickman. 2,182,018; Dec. 5.
Two speed coaster brake. B. Lee. 2,182,025; Dec. 5.
Typewriting and like machine. H. A. Heinrich. 2,182,150; Dec. 5.
Typewriting machine. H. J. Hart. 2,182,433; Dec. 5.
Typewriting machine. W. F. Helmond. 2,182,125; Dec. 5.
Vacuum cleaner. G. E. Lofgren. 2,182,343; Dec. 5.
Vaginal diaphragm inserter. O. W. Graveley. 2,182,121; Dec. 5.
Valve: *See*—
Piston and flush valve.
Valve for water systems, Control. H. Van Keuren and A. C. Wilkins. 2,182,268; Dec. 5.
Valve housing and rotor. H. F. Vickers. 2,182,459; Dec. 5.
Valve locking device. W. Brauer. 2,182,278; Dec. 5.
Valve mechanism for engines. F. Cormier. 2,181,872; Dec. 5.
Valve sealing means for engines. H. D. J. Cantoni. 2,181,868; Dec. 5.
Valve stem grinding fixture. F. O. Albertson. 2,182,191; Dec. 5.
Valve stem grinding tool. P. Murrah. 2,182,543; Dec. 5.
Vapor electric converter. J. Slepian. 2,182,647; Dec. 5.
Vehicle body. R. L. Carr. 2,181,869; Dec. 5.
Vehicle direction signal. J. A. Maxwell. 2,182,699; Dec. 5.
Vehicle steering wheel switch. R. H. Polk. 2,182,764; Dec. 5.
Velvet woven in double piece, Manufacture of. M. Calonnier. 2,182,610; Dec. 5.
Vending machine. A. A. Morck. 2,182,639; Dec. 5.
Ventilator, Automatic self-closing window. E. C. Hassildine. 2,182,558; Dec. 5.
Ventilator, Casement window. J. C. Bancroft. 2,182,576; Dec. 5.
Venting means for ranges or the like. J. G. Ames. 2,182,106; Dec. 5.
Vermin on shellfish beds, Destruction of. F. M. Flower. 2,181,882; Dec. 5.
Vinyl acetate, Stabilization of. G. S. Stamatoff. 2,182,528; Dec. 5.
Viscosimeter. H. P. Hayden and H. E. Schweyer. 2,182,082; Dec. 5.
Volume control device for wave transmission systems, Automatic. R. G. Tahon. 2,182,100; Dec. 5.
Vulcanizing machine. W. J. Baker and C. J. H. Perry. 2,181,859; Dec. 5.
Vulcanizing machine. J. M. Bierer. 2,182,168; Dec. 5.
Vulcanizing machine. T. M. Knowland. 2,182,317; Dec. 5.
Warning signal. T. J. Scofield. 2,181,922; Dec. 5.
Washing and dry cleaning machine. H. C. Bowen. 2,182,655; Dec. 5.
Washing machine and the like. G. W. Dunham. 2,182,661; Dec. 5.
Waste from glass grinding and polishing operations, Recovery of. R. R. McGregor. 2,182,384; Dec. 5.
Watch mounting. A. S. Blau. 2,182,194; Dec. 5.
Water feeder. W. J. Woolley. 2,181,956; Dec. 5.
Waterproof container. R. J. Swanson. 2,182,040; Dec. 5.
Water supplies, Treating. H. W. Doennecke, E. W. Douglass, and C. O. Anderson. 2,182,286; Dec. 5.
Wave amplification. L. C. Peterson. 2,181,910; Dec. 5.
Wave limiter circuit. W. van B. Roberts. 2,182,322; Dec. 5.
Waving device, Permanent. D. Lakenbach. 2,182,636; Dec. 5.
Waxy surfaces, Sealing. W. I. Buckeridge. 2,182,513; Dec. 5.
Weather strip. D. C. Bailey. 2,182,687; Dec. 5.
Weather strip assembly. L. A. Macklanburg. 2,182,207; Dec. 5.
Web supply mechanism for printing machines. A. J. Horton. 2,182,760; Dec. 5.
Welding apparatus, Electric. A. W. Baird and F. G. Outcalt. 2,182,575; Dec. 5.
Wheel: *See*—
Control wheel.
Hand wheel.
Sanding wheel.
Wheel assembly, Dual. J. F. Higbee. 2,182,560; Dec. 6.
Wheel-blocking device for vehicles, Mechanical. C. W. Ackerman. 2,182,044; Dec. 5.
Wheel cylinder, Hydraulic brake. E. R. Pierce and G. K. Hause. 2,182,262; Dec. 5.
Wheel driving means, Flexible. W. H. Waller. 2,182,417; Dec. 5.
Wheel or its equivalent for aircraft, Tail supporting. L. E. Cowey. 2,182,333; Dec. 5.
Winding machine for making large soft cops. E. Stiassni. 2,182,039 Dec. 5.
Window frame construction. N. Trombetta. 2,182,008; Dec. 5.
Window screen, Casement. J. Rose. 2,182,410; Dec. 5.
Wing for airplanes, Resilient. J. D. Van Vliet. 2,182,366; Dec. 5.
Wobble or swash plate engine. C. B. Redrup. 2,182,213; Dec. 5.
Wood-preserving composition. I. Hatfield. 2,182,080; Dec. 5.
Wood-treating composition. I. Hatfield. 2,182,081; Dec. 5.
Wrapper stripping apparatus, Pipe. C. F. Moraln. 2,182,301; Dec. 5.
Yarn moistening apparatus. J. Amon. 2,182,573; Dec. 5.
Yarn tester. A. Pagnacco. 2,182,349; Dec. 5.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 5, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1939

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Air Reduction Sales Company, New York, N. Y. Machines for cutting and welding metal. Serial No. 423,021; Dec. 12. Class 34.

American Fruit Growers Incorporated, Wilmington, Del., and Pittsburgh, Pa. Fresh citrus and deciduous fruits, fresh berries, etc. Serial No. 423,519; Dec. 12. Class 46.

American Kid Co. Inc., New York, N. Y. Leather in the piece. Serial No. 424,019; Dec. 12. Class 1.

American Tool Works Company, The, Cincinnati, Ohio. Lathes. Serial No. 423,589; Dec. 12. Class 23.

Arnold, Hamilton L., doing business as Arnold Distributing Company, Austin, Tex. Wines. Serial No. 424,458; Dec. 12. Class 47.

Avey, John R., doing business as Avey Products Company, Tulsa, Okla. Lubricating oils and greases and anti-corrosive oils. Serial No. 413,974; Dec. 12. Class 15.

B. V. D. Corporation, The, Baltimore, Md. Clothing. Serial No. 413,294; Dec. 12. Class 39.

Baer, Clifford, Calumet City, Ill. Sandwiches. Serial No. 407,415; Dec. 12. Class 46.

Barnard, Frederick R., Kew Gardens, N. Y. Natural flowers and floral decorations. Serial No. 423,623; Dec. 12. Class 1.

Beaver Dam Milling Co., Collinston, Utah. Chipped wheat breakfast cereals, puffed wheat, rice cereals, etc. Serial No. 401,466; Dec. 12. Class 46.

Beckers Pty. Limited, Sydney, Australia. Medicinal preparation. Serial No. 424,339; Dec. 12. Class 6.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley enamel polish. Serial No. 424,642; Dec. 12. Class 16.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Thinner for bowling alley finishes. Serial No. 424,644; Dec. 12. Class 16.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Shellac. Serial No. 424,649; Dec. 12. Class 16.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Thinner for bowling alley finishes. Serial No. 424,650; Dec. 12. Class 16.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley shellac. Serial No. 424,653; Dec. 12. Class 16.

Campos y Quebrachales Puerto Sastre S. A., Buenos Aires, Argentina. Tanning extracts and substances. Serial No. 419,072; Dec. 12. Class 6.

Capital City Products Company, The, Columbus, Ohio. Pie crust mixture and pure vegetable shortening. Serial No. 424,156; Dec. 12. Class 46.

Carmo Shoe Manufacturing Company, Carthage, Mo. Ladies' and misses' shoes. Serial Nos. 424,024–6; Dec. 12. Class 39.

Cheese Joint, The. (See Messinger, Perry.)

Chiropody Supply Headquarters, Inc., Chicago, Ill. Adhesive, bandage, and foot plaster. Serial No. 424,514; Dec. 12. Class 44.

Clark, Edgar B., and Costas Venetis, Philadelphia, Pa. Ointment. Serial No. 423,370; Dec. 12. Class 6.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 424,763; Dec. 12. Class 42.

Colonial Bottle Cap Co., Inc., Lake Katrine, N. Y. Beverages, and syrups and extracts for making the same. Serial Nos. 424,714–15; Dec. 12. Class 45.

Corn Products Refining Company, New York, N. Y. Waffle syrup. Serial No. 422,126; Dec. 12. Class 46.

Cowen Bros., New York, N. Y. Wrist watch straps. Serial No. 423,412; Dec. 12. Class 40.

Crouthamel, H. H., Quakerstown, Pa. Food products. Serial No. 424,684; Dec. 12. Class 46.

Cutler, Roger W., Boston, Mass. Fabric driving tapes. Serial No. 417,748; Dec. 12. Class 23.

Daily Mirror, Inc., New York, N. Y. Magazine section of a newspaper. Serial No. 424,258; Dec. 12. Class 38.

Danske Konservesfabrikers Amerika Afdeling, Copenhagen, Denmark. Canned ham, picnic shoulder, pork loin, etc. Serial No. 416,795; Dec. 12. Class 46.

Delma Agency Limited, Toronto, Ontario, Canada, assignor to Nu-Wall Industries, Limited. Water paints. Serial No. 404,834; Dec. 12. Class 16.

Denney, Frances, Philadelphia, Pa. Toilet preparations. Serial No. 420,854; Dec. 12. Class 6.

Diamond, Leonard, doing business as Diamond Glove Co., New York, N. Y. Leather gloves. Serial No. 419,334; Dec. 12. Class 39.

Diamond Wire & Cable Co., Chicago Heights, Ill. Loop antennas. Serial No. 424,766; Dec. 12. Class 21.

Dixon Flavor & Extract Co., San Francisco, Calif. Beverages, and syrups and extracts for making the same. Serial No. 424,261; Dec. 12. Class 45.

Drewrys Dry Ginger Ale, U. S. A., Inc., Detroit, Mich. Beverages and extracts for making same. Serial No. 425,046; Dec. 12. Class 45.

Editors and Publishers Service Company. (See Roberts, Charles A.)

Ekstrand & Tholand, Inc., New York, N. Y. Figure skates. Serial No. 424,658; Dec. 12. Class 22.

Elena Bros., Etiwanda, Calif. Wines. Serial No. 424,717; Dec. 12. Class 47.

Enrich Products Co., Inc., New York, N. Y. Food drink. Serial No. 424,263; Dec. 12. Class 46.

Etchcrafters of America, Inc., Baltimore, Md. Etching presses, etching kits, etching plates, etc. Serial No. 418,516; Dec. 12. Class 23.

Fae Manufacturing Company. (See Wentzel, Robert A.)

Famous-Barr. (See May Department Stores Company, The.)

Fauria Awning & Shade Co., New Orleans, La. Venetian blinds. Serial No. 425,048; Dec. 12. Class 32.

Ferguson, Wm. C., & Co., Stockton, Calif. Fresh vegetables. Serial No. 422,278; Dec. 12. Class 46.

Franco Corset Company, New York, N. Y. Corsets. Serial No. 417,910; Dec. 12. Class 39.

Gagg Chemical Company, Miami, Fla. Soaps, cleaning compounds, and metal polishes. Serial No. 423,461; Dec. 12. Class 4.

Gastonia Combed Yarn Corporation, Gastonia, N. C. Combed yarn. Serial No. 424,874; Dec. 12. Class 43.

Gates Rubber Company, The, Denver, Colo. Rubber hose. Serial No. 424,804; Dec. 12. Class 35.

Gayneshire Co. Inc., New York, N. Y. Clothing. Serial No. 422,741; Dec. 12. Class 39.

General Scientific Corporation, Chicago, Ill. Glass tubing. Serial No. 422,323; Dec. 12. Class 33.

Gillette Safety Razor Company, Boston, Mass. Safety razors and electrically operated instruments for shaving and for removing hair from the body. Serial No. 424,583; Dec. 12. Class 23.

Glassite Company. (See Thomsen, Grover C.)

Glensder Textile Co., New York, N. Y. Ladies' scarfs and handkerchiefs. Serial No. 423,378; Dec. 12. Class 39.

Gobel, Adolf, Inc., Brooklyn, N. Y. Frankfurters. Serial No. 422,818; Dec. 12. Class 46.

Golding Bros. Company, Inc., New York, N. Y. Chemical fluid for treating fabric. Serial No. 423,978; Dec. 12. Class 6.

Gomez, Fermin & Ricardo, & Company, Bogota, Colombia. Knives. Serial No. 424,749; Dec. 12. Class 23.

Gomez, Fermin & Ricardo, & Company, Bogota, Colombia. Razor blades. Serial No. 424,750; Dec. 12. Class 23.

Goodrich, B. F., Company, The, Akron, Ohio, and New York, N. Y. Pneumatic tire casings. Serial No. 425,146; Dec. 12. Class 35.

Grand Rapids Store Equipment Company, Grand Rapids, Mich. Lighting units. Serial No. 422,207; Dec. 12. Class 21.

Grasso, Joe, & Son, Galveston, Tex. Fresh frozen shrimp. Serial No. 423,630; Dec. 12. Class 46.

Gretsch, Fred, Manufacturing Co., The, New York, N. Y. Nasal wind musical instrument. Serial No. 424,687; Dec. 12. Class 36.

Hanford, G. C., Mfg. Co., Syracuse, N. Y. Paper dolls. Serial No. 424,724; Dec. 12. Class 22.

Harris-Seybold-Potter Company, Cleveland, Ohio. Photographic chemicals. Serial No. 423,884; Dec. 12. Class 6.

Harris-Seybold-Potter Company, Cleveland, Ohio. Photographic chemicals. Serial No. 423,886; Dec. 12. Class 6.

Hoover Company, The, North Canton, Ohio. Insecticide devices. Serial No. 410,906; Dec. 12. Class 23.

Joseph & Feiss Company, The, Cleveland, Ohio. Men's topcoats and overcoats. Serial No. 422,749; Dec. 12. Class 39.

Joseph & Feiss Company, The, Cleveland, Ohio. Overcoats, topcoats, and raincoats. Serial No. 423,813; Dec. 12. Class 39.

Kahn Bros. Hay & Grain Co., Chicago, Ill. Grass seeds. Serial No. 424,396; Dec. 12. Class 1.

Kay, Violet F., doing business as Charles S. Kay Mfg. Chemist, Detroit, Mich. Nerve tonic. Serial No. 424,397; Dec. 12. Class 6.

Keasbey & Mattison Company, Ambler, Pa. Packings and gaskets. Serial No. 424,880; Dec. 12. Class 35.

Keen-O Corporation, Inc., Jersey City, N. J. Question and answer game. Serial No. 424,852; Dec. 12. Class 22.

Kellogg Company, Battle Creek, Mich. Waxed, oiled, heat-insulating, etc. papers. Serial No. 415,898; Dec. 12. Class 37.

Kiewel Brewing Company, Little Falls, Minn. Beer. Serial No. 425,116; Dec. 12. Class 48.

King Refrigerator Corp., Brooklyn, N. Y. Refrigerators. Serial No. 424,918; Dec. 12. Class 31.

Kings Beverage Co., New York, N. Y. Beverages, and syrups and extracts for making the same. Serial No. 424,234; Dec. 12. Class 45.

Kresge, Sebastian S., doing business as Kresge Department Store, Newark, Newark, N. J. Rayon taffeta. Serial No. 424,172; Dec. 12. Class 42.
Kyriacopoulo, D. K. (See Lourmas, G. P., and D. K. Kyriacopoulo.)
L & L Wholesale Company. (See Lehmann, Paul H.)
La Manna, Azema & Farnan, Inc., New York, N. Y. Olives. Serial No. 420,010; Dec. 12. Class 46.
Lehmann, Paul H., doing business as L & L Wholesale Company, Dallas, Tex. Wave solution, rubbing alcohol, sulphur, etc. Serial No. 421,244; Dec. 12. Class 6.
Lily, Eli, and Company, Indianapolis, Ind. Products containing various kinds of vitamins. Serial No. 424,095; Dec. 12. Class 6.
Linton, Walter, Denver, Colo. Skis and ski equipment. Serial No. 424,922; Dec. 12. Class 22.
Lourmas, G. P., and D. K. Kyriacopoulo, Athens, Greece. Products increasing the calorific power of lignites, charcoals, etc., and binders for briquetting lignites, etc. Serial No. 411,001; Dec. 12. Class 6.
Macklanburg-Duncan Company, Oklahoma City, Okla. Metal strips and machinery castings. Serial No. 406,932; Dec. 12. Class 14.
Marvel Maid Nightwear Corp., New York, N. Y. Pajamas, nightgowns, kimonos, etc. Serial Nos. 424,662–3; Dec. 12. Class 39.
Maurer Manufacturing Company, Newark, N. J. Meat scrap for poultry and bone meal for hogs, dogs, and poultry. Serial No. 419,742; Dec. 12. Class 46.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., doing business as Famous-Barr, St. Louis, Mo. Draperies and upholstery fabrics. Serial No. 423,107; Dec. 12. Class 42.
Mayflower Ice Cream Company, Inc., Fisherville, Mass. Ice cream, sherbets, ices. Serial No. 421,313; Dec. 12. Class 46.
McKelvy, Alfred D., doing business as Alfred D. McKelvy Company, Minneapolis, Minn. After shaving lotion, deodorant, talcum powder, etc. Serial No. 423,705; Dec. 12. Class 6.
McSweeney, Mary H. (See Reinhardt, Mary Woodward, and Mary H. McSweeney.)
Medico Chemical Corporation of America, New York, N. Y. Effervescent tablets. Serial Nos. 424,484–6; Dec. 12. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Vitamin capsules. Serial No. 424,136; Dec. 12. Class 6.
Messinger, Perry, doing business as The Cheese Joint, Sodus, N. Y. Cheese. Serial No. 424,550; Dec. 12. Class 46.
Monark Egg Corporation, Kansas City, Mo. Eggs. Serial No. 420,257; Dec. 12. Class 46.
Mullenix, Russell D., Waterloo, Iowa. Penetrating oil. Serial No. 423,922; published Dec. 12, 1939. Class 15.
Muller, C. H. F., Aktiengesellschaft, Berlin, Germany. X-ray tubes, apparatus and supplies. Serial No. 423,606; Dec. 12. Class 26.
National Biscuit Company, New York, N. Y. Bakery products. Serial No. 424,736; Dec. 12. Class 46.
Neahr, M. J., & Company, Chicago, Ill. Bags. Serial No. 422,482; Dec. 12. Class 2.
Nelson-Eismann Company, The, Chicago, Ill. Carbon paper. Serial No. 424,435; Dec. 12. Class 11.
Newberry, J. J., Co., New York, N. Y. Silk, velvet, etc. ribbons, and blankets. Serial No. 424,490; Dec. 12. Class 42.
North American Rayon Corporation, New York, N. Y. Thread and yarn. Serial No. 423,859; Dec. 12. Class 43.
North American Rayon Corporation, New York, N. Y. Thread and yarn. Serial No. 423,924; Dec. 12. Class 43.
Northern Steel & Stoker Corp., Peoria, Ill. Stokers. Serial No. 424,242; Dec. 12. Class 34.
Nu-Wall Industries, Limited. (See Delma Agency Limited.)
Olive Tablet Company, The, Columbus, Ohio. Olive colored tablets for use as a laxative. Serial No. 422,756; Dec. 12. Class 6.
Palmer, Russell, Hoboken, N. J. Catalogue. Serial No. 423,004; Dec. 12. Class 38.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial Nos. 425,096–7; Dec. 12. Class 22.
Parr, William B., Jr., doing business as William Parr Drug Co., Tampa, Fla. Medicinal preparation. Serial No. 423,675; Dec. 12. Class 6.
Pepper, Jas. E., & Company, Lexington, Ky., and New York, N. Y. Whiskey, gin, rum, etc. Serial No. 418,531; Dec. 12. Class 49.
Pinkham, Lydia E., Medicine Company, Lynn, Mass. Preparations having alterative, antiseptic, etc. properties. Serial No. 424,101; Dec. 12. Class 6.
Posey, Frank E., doing business as Soot-Eater Mfg. Co., Hamtramck, Mich. Chemical preparation for eliminating soot and carbon scales. Serial No. 423,339; Dec. 12. Class 6.
Premier Bed & Spring Company, San Francisco, Calif. Studio couches, divans, mattresses, etc. Serial No. 425,253; Dec. 12. Class 32.
Reinhardt, Mary Woodward, and Mary H. McSweeney, New York, N. Y. Toilet soaps. Serial No. 424,408; Dec. 12. Class 4.
Richform Slips Inc., New York, N. Y. Slips and underwear. Serial No. 424,696; Dec. 12. Class 39.
Rinshed-Mason Company, Detroit, Mich. Primer for enamel or the like. Serial No. 412,305; Dec. 12. Class 16.
Roberts, Charles A., doing business as Editors and Publishers Service Company, New York, N. Y. Publication. Serial No. 419,735; Dec. 12. Class 38.
Rosen, J., & Sons, Inc., Paterson, N. J. Ribbons. Serial No. 425,012; Dec. 12. Class 42.
Rosenfield, Lewis L., doing business as Sun Valley Mfg. Co., Boston, Mass. Water repellent jackets. Serial No. 413,917; Dec. 12. Class 39.
Safety-Thirst, Incorporated, St. Louis, Mo. Beverages, and syrups and extracts for making the same. Serial No. 425,024; Dec. 12. Class 45.
Sage, Peggy, Inc., New York, N. Y. Nail polish. Serial No. 422,521; Dec. 12. Class 6.
Sala-Dress Co. (See Witwer Grocer Company.)
Schrank, M. C., Company, Bridgeton, N. J. Piece goods. Serial No. 425,013; Dec. 12. Class 42.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Sedative, expectorant, and bronchial medicament. Serial No. 424,181; Dec. 12. Class 6.
Shaverette Co., Chicago, Ill. Chemical preparations. Serial No. 414,084; Dec. 12. Class 6.
Shell Oil Company, Incorporated, St. Louis, Mo. Antifreeze solutions. Serial No. 424,142; Dec. 12. Class 6.
Siekert, Stafford, doing business as Stafford Siekert Co., Milwaukee, Wis. Food dish for small animals. Serial No. 417,476; Dec. 12. Class 2.
Smith, James A., Philadelphia, Pa. Germicidal soap and shaving soap. Serial No. 415,192; Dec. 12. Class 4.
Soot-Eater Mfg. Co. (See Posey, Frank E.)
Spar, Jacob M., New York, N. Y. Rayon and wool piece goods. Serial No. 424,065; Dec. 12. Class 42.
Spar, Jacob M., New York, N. Y. Rayon piece goods. Serial No. 424,066; Dec. 12. Class 42.
Stahl-Meyer, Inc., New York, N. Y. Ham. Serial No. 417,419; Dec. 12. Class 46.
Stone, W. A., Company, Inc., Batavia, Ill. Refrigerators, sectional units for the walls of same, and refrigerator bodies. Serial No. 423,513; Dec. 12. Class 31.
Sun Harbor Packing Corporation, San Diego, Calif. Canned fish. Serial No. 424,564; Dec. 12. Class 46.
Sun Valley Mfg. Co. (See Rosenfield, Lewis L.)
Thomsen, Grover C., doing business as The Glassite Company, Waco, Tex. Beverages and for syrups used in the production thereof. Serial No. 422,221; Dec. 12. Class 45.
Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y. Chemical compounds. Serial No. 424,414; Dec. 12. Class 6.
Triplett Electrical Instrument Company, The, Bluffton, Ohio. Electrical meters. Serial No. 423,015; Dec. 12. Class 26.
Tripp Corporation, The, New York, N. Y. Chemical water softener and foaming agent. Serial No. 421,442; Dec. 12. Class 6.
Underwood Elliott Fisher Company, New York, N. Y. Typewriter ribbon and carbon paper. Serial No. 417,943; Dec. 12. Class 11.
United Buyers Corporation, Chicago, Ill. Jar rings. Serial No. 425,262; Dec. 12. Class 35.
United States Lime Products Corporation, San Francisco, Calif. Limestone. Serial No. 424,529; Dec. 12. Class 1.
U. S. Merchandise Corporation, Baltimore, Md. Florists' supplies. Serial No. 419,740; Dec. 12. Class 30.
United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial No. 424,185; Dec. 12. Class 38.
Universal Microphone Co., Ltd., Ingleford, Calif. Machines for making phonograph records, machines for recording sound on phonograph blank, etc. Serial No. 424,631; Dec. 12. Class 36.
Vanity Dress, Incorporated, Minneapolis, Minn. Misses' and girls' dresses. Serial No. 421,112; Dec. 12. Class 39.
Venetis, Costas. (See Clark, Edgar B., and Costas Venetis.)
Villalva, Jesus, Flagstaff, Ariz. Liniment. Serial No. 423,186; Dec. 12. Class 6.
Wallerstein Company, Inc., New York, N. Y. Chocolate malt syrup. Serial No. 424,070; Dec. 12. Class 46.
Walworth Patents Inc., Boston, Mass. Metal pipe joints. Serial No. 421,549; Dec. 12. Class 13.
Waverly Petroleum Products Co., Philadelphia, Pa. Lubricating and solvent oil. Serial No. 423,018; Dec. 12. Class 15.
Wentzel, Robert A., doing business as Fae Manufacturing Company, Palmyra, Pa. Undergarments, aprons, dresses, etc. Serial No. 423,991; Dec. 12. Class 39.
Weyl-Zuckerman & Co., Stockton, Calif. Potatoes. Serial No. 410,102; Dec. 12. Class 46.
White, Wray P., Natick, Mass. Electric signs. Serial No. 423,393; Dec. 12. Class 21.
Wiener & Katz, New York, N. Y. Suits and overcoats. Serial No. 424,507; Dec. 12. Class 39.
Wilder, Wm., Co., Inc., New York, N. Y. Pocketbooks, purses, and handbags. Serial No. 422,792; Dec. 12. Class 3.

Winthrop Chemical Company, Inc., New York, N. Y. Vitamin E preparation. Serial No. 423,962; Dec. 12. Class 6.
Witwer Grocer Company, doing business as Sala-Dress Co., Cedar Rapids, Iowa. Salad dressing. Serial No. 424,379; Dec. 12. Class 46.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Preparation for prophylaxis and treatment of diseases of the vagina and cervix. Serial No. 424,072; Dec. 12. Class 6.
Yogfruit Limited, London, England. Yoghurt containing fruit and fruit flavorings. Serial No. 417,155; Dec. 12. Class 46.
Young, Alexander, Distilling Company, Philadelphia, Pa. Whiskey. Serial No. 425,176; Dec. 12. Class 49.
Zenith Radio Corporation, Chicago, Ill. Antennas and parts thereof. Serial No. 413,463; Dec. 12. Class 21.
Zenith Radio Corporation, Chicago, Ill. Antennas and parts thereof. Serial Nos. 414,418–19; Dec. 12. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc., Brooklyn, N. Y. Clothing. 373,481; Dec. 12; Serial No. 414,180; published Apr. 11, 1939. Class 39.
Airfilm Corporation, Detroit, Mich. Heel pads and inner sole cushions. 373,561; Dec. 12; Serial No. 421,172; published Sept. 26, 1939. Class 39.
Ajax Liquor Company, Inc., Houston, Tex. Gin and whiskey. 373,502; Dec. 12; Serial No. 416,936; published May 9, 1939. Class 49.
Akeley Leventhal Corp., New York, N. Y. Motion picture projectors. 373,540; Dec. 12; Serial No. 420,206; published Oct. 3, 1939. Class 26.
Aktiebolaget Bröderne Ameln, Stockholm, Sweden. Fish and edible products thereof. 373,459; Dec. 12; Serial No. 396,861; published Nov. 29, 1939. Class 46.
Altschuler-Picard, Fred, Lausanne, Switzerland. Dresses and hats, underwear, etc. 373,499; Dec. 12; Serial No. 416,758; published Sept. 26, 1939. Class 39.
American Cyanamid Company. (See Gaskill Chemical Corporation, The, assignor.)
American Cyanamid Company. (See Heller & Merz Company, The, assignor.)
American Enka Corporation, Enka, N. C. Rayon yarns. 373,614; Dec. 12; Serial No. 422,165; published Sept. 26, 1939. Class 43.
American Viscose Corporation, Marcus Hook, Pa. Synthetic threads, yarn, and thread and yarn filaments. 373,479; Dec. 12; Serial No. 413,095; published Sept. 12, 1939. Class 43.
American Viscose Corporation, Marcus Hook, Pa. Synthetic threads, yarns, and thread and yarn filaments. 373,491–3; Dec. 12; Serial Nos. 415,814–16; published Sept. 12, 1939. Class 43.
American Viscose Corporation, Marcus Hook, Pa. Synthetic threads, yarn, and thread and yarn filaments. 373,494–6; Dec. 12; Serial Nos. 415,821–3; published Sept. 12, 1939. Class 43.
Argentine Fruit Distributors Sociedad Anonima Limitada, Buenos Aires, Argentina. Apples, pears, plums, etc. 373,497; Dec. 12; Serial No. 416,089; published Oct. 3, 1939. Class 46.
Austin, Nichols & Co., Inc., Brooklyn, N. Y. Wines. 373,478; Dec. 12; Serial No. 412,995; published Feb. 7, 1939. Class 47.
Automatic Paper Box Corp., Chicago, Ill. Paper boxes and folders. 373,548; Dec. 12; Serial No. 420,744; published Sept. 19, 1939. Class 2.
Ayres, William T. H., doing business as Ayres Manufacturing Company, Indianapolis, Ind. Work gloves. 373,514; Dec. 12; Serial No. 418,324; published Sept. 12, 1939. Class 39.
Baker Clothes Inc., Philadelphia, Pa. Suits, coats, vests, etc. 373,619; Dec. 12; Serial No. 422,309; published Oct. 3, 1939. Class 39.
Baker Clothes, Inc., Philadelphia, Pa. Suits, coats, vests, etc. 373,627; Dec. 12; Serial No. 422,350; published Oct. 3, 1939. Class 39.
Baker R. & L. Company, The, Cleveland, Ohio, by change of name to The Baker-Raulang Company. Automobiles. 128,297; renewed Jan. 6, 1940.
Bamberger, L., & Co., Newark, N. J. Rugs and carpets. 373,604; Dec. 12; Serial No. 421,960; published Oct. 3, 1939. Class 42.
Bamberger, L., & Co., Newark, N. J. Rugs and carpets. 373,605; Dec. 12; Serial No. 421,962; published Oct. 3, 1939. Class 42.
Barron-Gray Packing Company, San Jose, Calif. Canned fruit juices and vegetable juices. 373,549; Dec. 12; Serial No. 420,746; published Oct. 3, 1939. Class 46.
Bartmann & Bixer Inc., New York, N. Y. Window curtains. 373,643; Dec. 12; Serial No. 422,612; published Oct. 3, 1939. Class 42.
Beatrice Creamery Company, Chicago, Ill. Oleomargarine. 373,461; Dec. 12; Serial No. 402,928; published Mar. 28, 1939. Class 46.
Behman, Marguerite, assignor to Mildred W. Harris, New York, N. Y. Handkerchiefs. 373,518; Dec. 12; Serial No. 418,804; published Sept. 19, 1939. Class 39.
Belding Heminway Company, New York, N. Y. Threads. 373,582; Dec. 12; Serial No. 421,559; published Sept. 19, 1939. Class 43.
Belding Heminway Company, New York, N. Y. Threads. 373,591; Dec. 12; Serial No. 421,840; published Sept. 26, 1939. Class 43.
Belding Heminway Company, New York, N. Y. Textile threads. 373,637; Dec. 12; Serial No. 421,445; published Sept. 19, 1939. Class 43.
Benjamin & Johnes, Newark, N. J., by change of name to Benjamin & Johnes, Incorporated. Corsets, brassières, and women's underwear of knitted or textile fabric. 130,463; renewed Apr. 27, 1940.
Best & Co. Inc., New York, N. Y. Dresses, sunsuits, bathrobes, etc. 373,569; Dec. 12; Serial No. 421,336; published Sept. 26, 1939. Class 39.
Bloch Bros. Tobacco Co., The, Wheeling, W. Va. Cigarettes. 130,642–3; renewed May 4, 1940.
Bloomingdale Bros., Inc., New York, N. Y. Children's coats, suits, dresses, etc. 373,500; Dec. 12; Serial No. 416,837; published Sept. 19, 1939. Class 39.
Bond Stores, Incorporated, New York, N. Y. Men's and boys' summer suits. 373,671; Dec. 12. Class 39.
Booth, F. E., Company, Inc., San Francisco, Calif. Canned food products. 373,482; Dec. 12; Serial No. 414,432; published Mar. 14, 1939. Class 46.
Bowen-Ingalls & Co., Inc., New York, N. Y. Neckties. 373,458; Dec. 12; Serial No. 395,608; published Sept. 12, 1939. Class 39.
Bozeman Canning Company, Bozeman, Mont., and Mount Vernon, Wash. Canned peas. 373,480; Dec. 12; Serial No. 413,701; published Mar. 28, 1939. Class 46.
Brewster. (See Knowlton, Wm., & Sons Company, Inc.)
Brizel Leather Corporation, New York, N. Y. Leather sweatbands. 373,466; Dec. 12; Serial No. 408,090; published Sept. 12, 1939. Class 39.
Brooke, J. H. & J., Ltd., London, England. Wines. 373,562; Dec. 12; Serial No. 421,176; published Oct. 3, 1939. Class 47.
Brown Manufacturing Company, Clinton, Mo. Game of Chinese checkers. 373,485; Dec. 12; Serial No. 414,815; published Oct. 3, 1939. Class 22.
Buegeleisen & Jacobson, New York, N. Y. Accordions. 373,667; Dec. 12. Class 36.
Burdines, Inc., Miami, Fla. Clothing. 373,483; Dec. 12; Serial No. 414,483; published Oct. 3, 1939. Class 39.
Burkart, F., Manufacturing Company, St. Louis, Mo. Rugs, pads, mats, and strips of fibre. 373,592; Dec. 12; Serial No. 421,843; published Oct. 3, 1939. Class 42.
Business Executive Publications, Inc., Washington, D. C. Section of a periodical publication. 373,553; Dec. 12; Serial No. 420,935; published Oct. 3, 1939. Class 38.
Cactus Pete, Inc., New York, N. Y. Beverages. 373,526; Dec. 12; Serial No. 419,367; published Oct. 3, 1939. Class 45.
Callaway Mills, La Grange, Ga. Tire cord. 373,530; Dec. 12; Serial No. 419,545; published Sept. 19, 1939. Class 7.
Caradine Hat Company, St. Louis, Mo. Men's and boys' straw hats. 373,597; Dec. 12; Serial No. 421,871; published Sept. 19, 1939. Class 39.
Caradine Hat Company, St. Louis, Mo. Men's and boys' straw and straw fibre hats. 373,628; Dec. 12; Serial No. 422,356; published Oct. 3, 1939. Class 39.
Cardox Corporation, Chicago, Ill. Charging plants and replacement parts therefor. 373,570; Dec. 12; Serial No. 421,339; published Oct. 3, 1939. Class 23.
Carnegie, Dale, Courses, Incorporated, New York, N. Y. Publications. 373,503–4; Dec. 12; Serial Nos. 417,397–8; published Oct. 3, 1939. Class 38.
Carton Craftsmen. (See Geller, Joseph J.)
Caterpillar Tractor Co., San Leandro, Calif. Tanks. 373,488; Dec. 12; Serial No. 415,106; published Sept. 12, 1939. Class 2.
Central Chemical Corporation of Maryland, Hagerstown, Md. Fertilizers. 373,612; Dec. 12; Serial No. 422,125; published Oct. 3, 1939. Class 10.
Central Yarn Co., Inc., New York, N. Y. Threads and yarns. 373,546; Dec. 12; Serial No. 420,624; published Sept. 12, 1939. Class 43.
Cerruti & Cominelli, New York, N. Y. Canned tomatoes. 373,469; Dec. 12; Serial No. 409,082; published Oct. 3, 1939. Class 46.
Cherokee Hosiery Mills, Inc. (See Richmond Hosiery Mills, assignor.)
Chester Vitamizer, Inc., The, Seattle, Wash. Electrical combination mixer, liquefier, and emulsifier for foods. 373,509; Dec. 12; Serial No. 417,487; published Oct. 3, 1939. Class 21.

Collegiate Manufacturing Company, New York, N. Y. Pajamas. 373,651; Dec. 12. Class 39.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic pistols. 373,652; Dec. 12. Class 9.

Columbian Rope Company, Auburn, N. Y. Twine. 128,335; renewed Jan. 6, 1940.

Columbian Rope Company, Auburn, N. Y. Rope. 129,652; renewed Mar. 9, 1940.

Compania Azucarera del Camuy, Inc., Arecibo, P. R. Sugar. 373,648; Dec. 12. Class 46.

Consolidated Produce Co., Ltd., Los Angeles, Calif. Fresh citrus fruit, deciduous fruit, and grapes. 373,600; Dec. 12; Serial No. 421,929; published Oct. 3, 1939. Class 46.

Crane and Crane Clothes, New York, N. Y. Suits, sportcoats, tuxedos, etc. 373,531; Dec. 12; Serial No. 419,549; published Sept. 26, 1939. Class 39.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Tires. 373,460; Dec. 12; Serial No. 401,209; published Oct. 3, 1939. Class 35.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Men's suits. 373,476; Dec. 12; Serial No. 411,483; published Sept. 19, 1939. Class 39.

De Pinna, A., Co., Inc., New York, N. Y. Women's, ladies', and girls' shoes. 373,609; Dec. 12; Serial No. 422,044; published Oct. 3, 1939. Class 39.

Detroit Suspender & Belt Co., Detroit, Mich. Neckties. 373,593; Dec. 12; Serial No. 421,847; published Oct. 3, 1939. Class 39.

Deutsche Gold- und Silber-Scheideanstalt (vormals Roessler), Frankfort-on-the-Main, Germany. Metallurgical baths, iron baskets and conveying devices, etc. 373,471; Dec. 12; Serial No. 409,392; published Oct. 3, 1939. Class 23.

Diamond, Goldmann & Rothenstein, Incorporated, New York, N. Y. Ladies' handbags and pocketbooks. 373,617; Dec. 12; Serial No. 422,276; published Sept. 19, 1939. Class 3.

Dilley, Edward S., doing business as Standard Brake Shoe & Foundry Co., Pine Bluff, Ark. Iron and steel castings. 373,586; Dec. 12; Serial No. 421,645; published Oct. 3, 1939. Class 14.

Dixie-Portland Flour Co., doing business as Panda Flour Co., Memphis, Tenn. Wheat flour. 373,636; Dec. 12; Serial No. 422,441; published Oct. 3, 1939. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Neoprene. 373,565; Dec. 12; Serial No. 421,222; published Oct. 3, 1939. Class 1.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Cellulose bottle and receptacle closures, lacquered fabrics, etc. 373,566; Dec. 12; Serial No. 421,224; published Oct. 3, 1939. Class 50.

Dynamatic Corporation, Kenosha, Wis. Electric motor-clutches, including motors and controls therefor. 373,583; Dec. 12; Serial No. 421,567; published Oct. 3, 1939. Class 21.

Eaby, Paul M., Lancaster, Pa. Fishing lures or bait. 373,594; Dec. 12; Serial No. 421,848; published Oct. 3, 1939. Class 22.

Eagle Lock Company, Terryville, Conn. Screws, bolts and nuts. 373,587; Dec. 12; Serial No. 421,766; published Oct. 3, 1939. Class 13.

Edman, Ann, New York, N. Y. Wearing apparel for women and children. 373,462; Dec. 12; Serial No. 403,173; published Sept. 26, 1939. Class 39.

Ehlers, Albert, Inc., Brooklyn, N. Y. Coffee. 373,529; Dec. 12; Serial No. 419,504; published Oct. 3, 1939. Class 46.

Elder Manufacturing Company, St. Louis, Mo. Clothing for boys and children. 131,098; renewed May 4, 1940.

Elgin American Division of Illinois Watch Case Company. (See Illinois Watch Case Company.)

Elliott Bay Mill Company, Seattle, Wash. Plywood panels. 373,653; Dec. 12. Class 12.

Ellis, Carleton, Montclair, N. J. Root or plant-growth stimulating compositions. 373,538; Dec. 12; Serial No. 420,169; published Sept. 12, 1939. Class 10.

Engelson, Larry R., New York, N. Y. Tuxedos and dress clothing. 373,557; Dec. 12; Serial No. 421,071; published Sept. 12, 1939. Class 39.

Enright, James R., doing business as James R. Enright Company, Chevy Chase, Md. Fuel oil. 373,658; Dec. 12. Class 15.

Essex Club, Newark, N. J. Whiskey. 373,668; Dec. 12. Class 49.

Eye Shade Corporation of America, Cleveland, Ohio. Eyeshades. 373,558; Dec. 12; Serial No. 421,072; published Oct. 3, 1939. Class 26.

Fafnir Bearing Company, The, New Britain, Conn. Antifriction bearings and bearing hanger-boxes, antifriction balls and rollers, etc. 131,109; renewed May 4, 1940.

Famous Blouses, Inc., New York, N. Y. Blouses. 373,660; Dec. 12. Class 39.

Faries Manufacturing Company, Decatur, Ill. Combination smokers' stand with ash receptacles, lighters for cigars or cigarettes, etc. 373,463; Dec. 12; Serial No. 403,174; published Oct. 3, 1939. Class 8.

Felters Company, The, Boston, Mass. Felt in the piece. 373,573; Dec. 12; Serial No. 421,378; published Oct. 3, 1939. Class 50.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Bread. 373,535; Dec. 12; Serial No. 419,800; published Oct. 3, 1939. Class 46.

Fisher, Frederick T., doing business as National Art Society, New York, N. Y. Books and reproductions of paintings. 373,571; Dec. 12; Serial No. 421,343; published Sept. 26, 1939. Class 38.

Folmer Graflex Corporation, Rochester, N. Y. Photographic apparatus. 373,574; Dec. 12; Serial No. 421,379; published Oct. 3, 1939. Class 26.

Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 373,588; Dec. 12; Serial No. 421,802; published Oct. 3, 1939. Class 42.

Fox Publications, Inc., New York, N. Y. Publication. 373,556; Dec. 12; Serial No. 421,034; published Oct. 3, 1939. Class 38.

Franco Corset Company, New York, N. Y. Foundations, girdles, and step-in corsets. 373,644; Dec. 12. Class 39.

Frigid Food Products, Inc., Detroit, Mich. Frozen fish, and frozen fruits and vegetables. 373,559; Dec. 12; Serial No. 421,137; published Oct. 3, 1939. Class 46.

Garba, Inc., New York, N. Y. Wire rope. 373,525; Dec. 12; Serial No. 419,300; published Sept. 26, 1939. Class 7.

Gaskill Chemical Corporation, The, Brooklyn, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Fur-dyes. 128,707; renewed Jan. 13, 1940.

General Mills, Inc., Minneapolis, Minn. Cartons. 373,505–8; Dec. 12; Serial Nos. 417,451–4; published Sept. 26, 1939. Class 2.

General Motors Corporation, New York, N. Y., and Harrison, N. J., to General Motors Corporation, Detroit, Mich. Machinery and tools and parts thereof. 128,981; renewed Jan. 20, 1940.

General Motors Corporation, Detroit, Mich. Removable covered glass and metal refrigerator dishes. 373,484; Dec. 12; Serial No. 414,733; published Oct. 3, 1939. Class 13.

General Motors Corporation, Detroit, Mich. Electrical apparatus and more particularly for electrical terminals. 373,645; Dec. 12. Class 21.

General Printing Ink Corporation, New York, N. Y. Printing ink. 373,615; Dec. 12; Serial No. 422,239; published Sept. 19, 1939. Class 11.

Geller, Joseph J., doing business as Carton Craftsmen, Chicago, Ill. Cartons. 373,501; Dec. 12; Serial No. 416,848; published Sept. 26, 1939. Class 2.

Gies, Walter G., doing business as Walter G. Gies Company, Baltimore, Md. Typewriter type and roller cleaner. 373,629; Dec. 12; Serial No. 422,359; published Oct. 3, 1939. Class 4.

Gimbel Brothers, Inc., New York, N. Y. Women's, girls', and children's wearing apparel and accessories. 373,601; Dec. 12; Serial No. 421,935; published Oct. 3, 1939. Class 39.

Given Bros. Shoe Co., El Paso, Tex.; Phoenix, Tucson, Bisbee, Douglas, and Globe, Ariz.; Albuquerque and Las Cruces, N. Mex.; and Trinidad, Colo. Shoes. 373,523; Dec. 12; Serial No. 419,189; published Sept. 12, 1939. Class 39.

Gold & Bernstein, Inc., New York, N. Y. Fur skins. 373,584; Dec. 12; Serial No. 421,571; published Oct. 3, 1939. Class 1.

Gordon, Sewall & Co. Inc., Houston, Tex. Coffee. 131,312; renewed May 11, 1940.

Grand Rapids Furniture Makers Guild, Grand Rapids, Mich. Wooden and upholstered furniture. 373,655; Dec. 12. Class 32.

Grand Rapids Varnish Corporation, Grand Rapids, Mich. General industrial finishes. 373,618; Dec. 12; Serial No. 422,282; published Oct. 3, 1939. Class 16.

Greco Canning Co. Inc., to Greco Canning Co., Inc., San Jose, Calif., successor. Canned tomatoes, pears, apricots, etc. 127,050; renewed Oct. 21, 1939.

Greenberg-Fisch Inc., New York, N. Y. Misses' and children's hats. 373,563–4; Dec. 12; Serial Nos. 421,185–6; published Sept. 19, 1939. Class 39.

Growers Incorporated, Salinas, Calif. Fresh vegetables. 373,602; Dec. 12; Serial No. 421,937; published Oct. 3, 1939. Class 46.

Guardian Merchandising Corporation, Montreal, Quebec, Canada. Safety razor blades. 373,470; Dec. 12; Serial No. 409,311; published Jan. 10, 1939. Class 23.

Gumakers of America, Inc., Clifton Heights, Pa. Emblems, patches, letters, etc. 373,521; Dec. 12; Serial No. 419,114; published Sept. 26, 1939. Class 40.

Harris, Mildred W. (See Behman, Marguerite, assignor.)

Hart, Schaffner & Marx, Chicago, Ill. Coats, vests, trousers, etc. 129,362; renewed Feb. 17, 1940.

Hastings & Co., Philadelphia, Pa. Gold stamping foil. 373,510; Dec. 12; Serial No. 417,576; published Oct. 3, 1939. Class 14.

Haverfield Company, The, Columbus, Ohio. Hats for women and misses. 373,457; Dec. 12; Serial No. 392,211; published Sept. 26, 1939. Class 39.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. 373,519; Dec. 12; Serial No. 418,832; published Oct. 3, 1939. Class 22.

Heller & Merz Company, The, Newark, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Laundry blue. 17,281; re-renewed Dec. 17, 1939.

Hi-Grade Extract Co., Chicago, Ill. Beverages, and syrups, extracts, and flavors used in making the same. 373,585; Dec. 12; Serial No. 421,611; published Oct. 3, 1939. Class 45.

Hipolite Company, The, St. Louis, Mo. Marshmallow crème, marshmallow powder, and extracts. 128,730; renewed Jan. 13, 1940.

Hipsh, Inc., Kansas City, Mo. Neckties and mufflers. 373,551; Dec. 12; Serial No. 420,820; published Sept. 26, 1939. Class 39.

Hittner, J., & Son, Inc., New York, N. Y. Toilet seats. 373,517; Dec. 12; Serial No. 418,758; published Oct. 3, 1939. Class 13.

Horine, Harold, and M. M. Horine, South Hollister, Mo. Concrete jars and vases. 373,638; Dec. 12; Serial No. 421,482; published Sept. 26, 1939. Class 2.

Hubbard Shoe Company. (See Weyenberg Shoe Manufacturing Company.)

Hull, Edna M., Daytona Beach, Fla., and Kennebunkport, Maine. Wearing apparel. 373,533; Dec. 12; Serial No. 419,601; published Sept. 5, 1939. Class 39.

Humko Co., The, Memphis, Tenn. Shortening. 373,641; Dec. 12; Serial No. 422,512; published Oct. 3, 1939. Class 46.

Hydroponic Chemical Company Inc., New York, N. Y. Plant food. 373,639; Dec. 12; Serial No. 421,483; published Sept. 5, 1939. Class 10.

Hyper-Humus Company, Lafayette, N. J. Peat moss. 373,544; Dec. 12; Serial No. 420,584; published Sept. 19, 1939. Class 1.

Ideal Publishing Corp., New York, N. Y. Periodical. 373,477; Dec. 12; Serial No. 411,696; published Feb. 14, 1939. Class 38.

Illinois Watch Case Company, doing business as Elgin American Division of Illinois Watch Case Company, Elgin, Ill. Desk sets. 373,472; Dec. 12; Serial No. 409,526; published Oct. 3, 1939. Class 37.

Industrial Soap Works. (See Theobald, Harry J.

Insto Blueprint Ink Company, Salt Lake City, Utah. Inks. 373,537; Dec. 12; Serial No. 419,917; published Sept. 12, 1939. Class 11.

Jordan Marsh Company, Boston, Mass. Laundry machines. 373,620; Dec. 12; Serial No. 422,329; published Sept. 19, 1939. Class 24.

Kartiganer, Charles, doing business as Kartiganer & Co., New York, N. Y. Ladies' and children's hats. 373,516; Dec. 12; Serial No. 418,685; published Sept. 19, 1939. Class 39.

Kaylon, Inc., New York, N. Y. Pajamas. 373,663; Dec. 12. Class 39.

Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. 373,468; Dec. 12; Serial No. 408,803; published Oct. 3, 1939. Class 4.

Kennedy-Webster Electric Company, Chicago, Ill. Electric lamps. 373,552; Dec. 12; Serial No. 420,822; published Oct. 3, 1939. Class 21.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 373,465; Dec. 12; Serial No. 406,221; published Sept. 26, 1939. Class 40.

Knowlton, Wm., & Sons Company, Inc., doing business as Brewster, West Upton, Mass. Women's hats. 373,632; Dec. 12; Serial No. 422,411; published Oct. 3, 1939. Class 39.

Knowlton, Wm., & Sons Company, Inc., doing business as Thornton, West Upton, Mass. Women's hats. 373,631; Dec. 12; Serial No. 422,410; published Oct. 3, 1939. Class 39.

Kraus Bros. & Co. Inc., New York, N. Y. Alcoholic cordials. 373,621–3; Dec. 12; Serial Nos. 422,331–3; published Oct. 3, 1939. Class 49.

Kraus Bros. & Co. Inc., New York, N. Y. Alcoholic cordials. 373,624–6; Dec. 12; Serial Nos. 422,335–7; published Oct. 3, 1939. Class 49.

Lady Esther, Ltd., Chicago, Ill. Nail polish. 373,475; Dec. 12; Serial No. 411,273; published Mar. 28, 1939. Class 6.

La Fond, Edward M., Milwaukee, Wis. Bookmarks. 373,487; Dec. 12; Serial No. 415,096; published Oct. 3, 1939. Class 37.

La Maina, Nicholas, Camden, N. J. Sandwiches. 373,662; Dec. 12. Class 46.

Levin, Daniel, doing business as Dan Levin Co., San Francisco, Calif. Women's hats. 373,610; Dec. 12; Serial No. 422,060; published Oct. 3, 1939. Class 39.

Madison Foods. (See Rural Educational Association.)

Marks, C. W., Shoe Co., Chicago, Ill. Leather shoes. 373,595 Dec. 12; Serial No. 421,855; published Oct. 3, 1939. Class 39.

Match King, Inc., Chicago, Ill. Cameras. 373,522; Dec. 12; Serial No. 419,150; published Oct. 3, 1939. Class 26.

May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo.; and St. Louis, Mo. Curtains. 373,547; Dec. 12; Serial No. 420,722; published Oct. 3, 1939. Class 42.

May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo.; and St. Louis, Mo. Gloves. 373,611; Dec. 12; Serial No. 422,063; published Sept. 26, 1939. Class 39.

Mayehoff, Inc., Norwalk, Conn. Dresses. 373,649; Dec. 12. Class 39.

Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Chemicals, medicines, and pharmaceutical preparations. 128,784; renewed Jan. 13, 1940.

Meyer, Siegfried, doing business as Simpak Luggage Co., New York, N. Y. Handbags, wardrobe trunks, carrying cases, etc. 373,568; Dec. 12; Serial No. 421,315; published Oct. 3, 1939. Class 3.

Meyers, Louis, & Son, Inc., New York, N. Y. Gloves. 373,545; Dec. 12; Serial No. 420,592; published Oct. 3, 1939. Class 39.

Mining Safety Device Company, The, Bowerston, Ohio. Chain and pulley apparatus for opening and closing freight car doors and the like. 373,554; Dec. 12; Serial No. 420,962; published Oct. 3, 1939. Class 23.

Minnesota Macaroni Company, St. Paul, Minn. Macaroni and egg noodles. 373,464; Dec. 12; Serial No. 405,336; published Oct. 3, 1939. Class 46.

Modecraft Co. Inc., Long Island City, N. Y. Surface covering material. 373,630; Dec. 12; Serial No. 422,369; published Sept. 19, 1939. Class 20.

Morrell, John, & Co., Ottumwa, Iowa. Dog food. 373,467; Dec. 12; Serial No. 408,432; published Sept. 20, 1938. Class 46.

Muskogee Iron Works, Inc., Muskogee, Okla. Oil well and oil field tools and equipment. 373,539; Dec. 12; Serial No. 420,182; published Oct. 3, 1939. Class 23.

Narrow Fabric Company, The, Reading, Pa. Shoulder straps, hosiery top elastic braids, etc. 373,486; Dec. 12; Serial No. 414,882; published Sept. 26, 1939. Class 40.

National Art Society. (See Fisher, Frederick T.)

National Lock Co., Rockford, Ill. Wood screws. 373,672; Dec. 12. Class 13.

Nelkin, Walter, doing business as Frances-Walter Nelkin Co., New York, N. Y. Ladies' hats. 373,633; Dec. 12; Serial No. 422,415; published Oct. 3, 1939. Class 39.

New York Merchandise Co., Inc., New York, N. Y. Military and hair brushes, and hair brush sets. 373,536; Dec. 12; Serial No. 419,817; published Oct. 3, 1939. Class 29.

Norfolk Cereal and Flour Mills Company, Norfolk, Nebr. Wheat flour. 373,579; Dec. 12; Serial No. 421,491; published Oct. 3, 1939. Class 46.

Nutritional Research Associates, Inc., South Whitley, Ind. Vitamin containing preparation. 373,603; Dec. 12; Serial No. 421,944; published Oct. 3, 1939. Class 46.

Octographs, Inc., Dayton, Ohio. Charts. 373,541; Dec. 12; Serial No. 420,386; published Oct. 3, 1939. Class 37.

Oil City Boiler Works, Oil City, Pa. Water tube boilers. 373,589; Dec. 12; Serial No. 421,811; published Oct. 3, 1939. Class 34.

Panda Flour Co. (See Dixie-Portland Flour Co.)

Parker Brothers, Incorporated. (See Volume Sprayer Mfg. Co.)

Penney, J. C., Company. (See Wizard Lightfoot Appliance Company, assignor.)

Pevely Dairy Company, St. Louis, Mo. Cultured milk. 373,656; Dec. 12. Class 46.

Photo Developing, Inc., Cincinnati, Ohio. Sensitized photographic and motion picture films, sensitized photographic plates, etc. 373,580; Dec. 12; Serial No. 421,532; published Oct. 3, 1939. Class 26.

Photo Developing, Inc., Cincinnati, Ohio. Sensitized photographic and motion picture films, sensitized photographic plates, etc. 373,581; Dec. 12; Serial No. 421,534; published Oct. 3, 1939. Class 26.

Polan, Katz and Company, Baltimore, Md. Umbrellas. 373,598; Dec. 12; Serial No. 421,901; published Sept. 26, 1939.

Potter & Hunter, Akron, Ohio. Gasoline and lubricating oils. 373,659; Dec. 12. Class 15.

Rath Packing Company, The, Waterloo, Iowa. Ham and picnic ham. 373,647; Dec. 12. Class 46.

Reinitz, R., & Co. Inc., New York and Long Island City, N. Y. Soaps. 373,616; Dec. 12; Serial No. 422,258; published Oct. 3, 1939. Class 4.

Republic Steel Corporation, Cleveland, Ohio. Metal drainage pipe and culverts. 373,606; Dec. 12; Serial No. 421,979; published Oct. 3, 1939. Class 13.

Richman, Harry, Novelties Corp., New York, N. Y. Cigarette cases. 373,534; Dec. 12; Serial No. 419,734; published Oct. 3, 1939. Class 8.

Richmond Hosiery Mills, Rossville, Ga., assignor to Cherokee Hosiery Mills, Inc., Cleveland, Tenn. Hosiery. 373,474; Dec. 12; Serial No. 409,940; published June 20, 1939. Class 39.

Rue, Howard S., & Sons, Inc., Philadelphia, Pa. Boots, shoes, and slippers. 373,607; Dec. 12; Serial No. 421,983; published Sept. 19, 1939. Class 39.

Ruml, Wentzle, Jr., Dayton, Ohio. Articles appearing in periodicals and newspapers. 373,664; Dec. 12. Class 38.

Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Non-caffeine food beverage. 373,511; Dec. 12; Serial No. 417,782; published Oct. 3, 1939. Class 46.

Sagner, A., & Sons, Inc., Baltimore, Md. Coats and suits. 373,650; Dec. 12. Class 39.

Sarnoff-Irving, Inc., New York, N. Y. Shoes, caps, and hats. 373,527; Dec. 12; Serial No. 419,446; published Sept. 12, 1939. Class 39.

Schneider-Battinus & Simon, Chicago, Ill. Underwear, pajamas, and sweaters, etc. 373,670; Dec. 12. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Boots and shoes. 373,512; Dec. 12; Serial No. 417,786; published Oct. 3, 1939. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Paints. 373,520; Dec. 12; Serial No. 419,046; published Oct. 3, 1939. Class 16.
Senoret Chemical Company, St. Louis, Mo. Medicinal preparation. 128,850; renewed Jan. 13, 1940.
Serra, Arthur, & Company, Chicago, Ill. Canned pineapple. 373,577–8; Dec. 12; Serial Nos. 421,438–9; published Oct. 3, 1939. Class 46.
Shaw, Alex. D., & Co., assignor to Alex. D. Shaw & Co., Inc., New York, N. Y. Olive-oil. 127,504; renewed Nov. 11, 1939.
Shelton-Ward Ltd., Los Angeles, Calif. Sandals. 373,524; Dec. 12; Serial No. 419,198; published Sept. 12, 1939. Class 39.
Shield Foods, Inc., Buffalo, N. Y. Canned tuna fish. 373,657; Dec. 12. Class 46.
Siebenthaler, Thos. L., Mfg. Co., Kansas City, Mo. Radio receiving sets and parts thereof, radio transmitting sets and parts thereof, etc. 373,666; Dec. 12. Class 21.
Sieweck, Carl A., Long Island City, N. Y. Hand operated clothes washer. 373,596; Dec. 12; Serial No. 421,864; published Oct. 3, 1939. Class 24.
Simpak Luggage Co. (See Meyer, Siegfried.)
Sinclair Refining Company, Chicago, Ill., to Sinclair Refining Company, New York, N. Y. Kerosene. 129,539; renewed Feb. 24, 1940.
Socony-Vacuum Oil Company, Incorporated. (See Vacuum Oil Company, assignor.)
Southern Citrus Association, Redlands, Calif. Fresh citrus fruit. 373,669; Dec. 12. Class 46.
Southland Coffee Company, Atlanta, Ga. Coffee. 373,661; Dec. 12. Class 46.
Standard Brake Shoe & Foundry Co. (See Dilley, Edward S.)
Standard Products Corporation, New York, N. Y. Slide operated fasteners. 373,608; Dec. 12; Serial No. 421,985; published Oct. 3, 1939. Class 13.
Standard Silica Corporation, Ottawa, Ill. Sand and silica sand. 373,528; Dec. 12; Serial No. 419,455; published Oct. 3, 1939. Class 1.
Star Bedding Company, assignor to Star Bedding Company, St. Louis, Mo. Feather pillows. 128,528; renewed Jan. 6, 1940.
Star Bedding Company, assignor to Star Bedding Company, St. Louis, Mo. Feathers. 130,416; renewed Apr. 20, 1940.
Stern & Herff Corp., New York, N. Y. Children's coats and snow suits. 373,646; Dec. 12. Class 39.
Stern, Merritt Co., Inc., New York, N. Y. Neckties. 373,489; Dec. 12; Serial No. 415,308; published Oct. 3, 1939. Class 39.
Stetson, John B., Company, Philadelphia, Pa. Hats. 373,542; Dec. 12; Serial No. 420,503; published Sept. 19, 1939. Class 39.
Swedish Produce Company, The, Chicago, Ill. Canned fish balls, canned sardines, etc. 373,473; Dec. 12; Serial No. 409,660; published Apr. 4, 1939. Class 46.
Swift and Company, Chicago, Ill. Glue. 373,640; Dec. 12; Serial No. 422,492; published Sept. 26, 1939. Class 5.
Taylor Wine Company, The, Hammondsport, N. Y. Wines. 373,513; Dec. 12; Serial No. 418,073; published Oct. 3, 1939. Class 47.
Theall & Pile, Inc., New York, N. Y. Beverages and extracts and flavors for making the same. 373,560; Dec. 12; Serial No. 421,167; published Oct. 3, 1939. Class 45.
Theobald, Harry J., doing business as Industrial Soap Works, Kearny, N. J. Laundry, textile, and other industrial soaps. 373,613; Dec. 12; Serial No. 422,161; published Oct. 3, 1939. Class 4.
Thornton. (See Knowlton, Wm., & Sons Company, Inc.)
Trostel, Albert, & Sons Company, Milwaukee, Wis. Leather. 373,572; Dec. 12; Serial No. 421,360; published Oct. 3, 1939. Class 1.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Stamped goods and art needlework package outfits. 373,550; Dec. 12; Serial No. 420,749; published Aug. 29, 1939. Class 40.
V-8 Oil Company, Long Beach, Calif. Crude petroleum oil and refined products thereof. 373,654; Dec. 12. Class 15.
Vacolite Company, Dallas, Tex. Electrical amplifying apparatus, microphones, telephone receivers, etc. 373,634; Dec. 12; Serial No. 422,428; published Oct. 3, 1939. Class 21.
Vacolite Company, Dallas, Tex. Electrical amplifying apparatus, microphones, telephone receivers, etc. 373,635; Dec. 12; Serial No. 422,430; published Oct. 3, 1939. Class 21.
Vacuum Oil Company, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Emulsifying oil. 131,252; renewed May 4, 1940.
Virzi, Giuseppe, New York, N. Y. Sound posts for all string instruments. 373,642; Dec. 12; Serial No. 422,530; published Oct. 3, 1939. Class 36.
Volume Sprayer Mfg. Co., Inc., Tulsa, Okla., assignor to Parker Brothers, Incorporated, Salem, Mass. Games. 373,575; Dec. 12; Serial No. 421,405; published Oct. 3, 1939. Class 22.
W. & F. Manufacturing Co., New York, N. Y. Plate stands. 373,555; Dec. 12; Serial No. 421,016; published Oct. 3, 1939. Class 50.
Wadsworth & Woodman Company, Winthrop, Maine, and New York, N. Y. Enameled oilcloth and pyroxylin coated oilcloth. 373,590; Dec. 12; Serial No. 421,830; published Sept. 19, 1939. Class 20.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Metal clips. 373,515; Dec. 12; Serial No. 418,613; published July 18, 1939. Class 40.
West Boylston Mfg. Company of Alabama, West Boylston, Ala. Cordage. 373,567; Dec. 12; Serial No. 421,271; published Sept. 12, 1939. Class 7.
Weyenberg Shoe Manufacturing Company, doing business as Hubbard Shoe Company, Milwaukee, Wis. Leather shoes for juveniles. 373,490; Dec. 12; Serial No. 415,431; published Apr. 18, 1939. Class 39.
Wilton Clothes, Inc., New York, N. Y. Suits, pants, topcoats, etc. 373,665; Dec. 12. Class 39.
Winston, John C., Company, The, Philadelphia, Pa. Books. 373,543; Dec. 12; Serial No. 420,571; published Sept. 26, 1939. Class 38.
Wizard Lightfoot Appliance Company, St. Louis, Mo., assignor to J. C. Penney Company, New York, N. Y. Infants' shoes. 373,532; Dec. 12; Serial No. 419,567; published Sept. 19, 1939. Class 39.
Wohl Shoe Company, St. Louis, Mo. Shoes. 373,599; Dec. 12; Serial No. 421,915; published Sept. 19, 1939. Class 39.
Wood, Gar, Industries, Inc., Marysville, Mich. Motor boats. 373,498; Dec. 12; Serial No. 416,461; published June 6, 1939. Class 19.
Young, B. M., Philadelphia, Pa. Printed publications. 373,576; Dec. 12; Serial No. 421,409; published Sept. 26, 1939. Class 38.

LIST OF REGISTRANTS OF LABELS

Abernathy, St. Elmo, Berkeley, Calif. Fairy Shrimps (Estheriidae) and Water-Boatmen (Corixidae). For Fairy Shrimps (Estheriidae) and Water-Boatmen (Corixidae). 54,000; Dec. 12.
Adam Hat Stores, Inc., doing business as 'Adam Hats', New York, N. Y. Adam Hats Sports Parade. For Hats. 54,001; Dec. 12.
Adco. (See American Disinfecting Company, Inc.)
American Disinfecting Company, Inc., doing business as Adco, Sedalia, Mo. Van Brite Double Dries and then won't Water-Spot. For Liquid Wax. 54,002; Dec. 12.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Oralgum. For Chewing Gum. 54,003–4; Dec. 12.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Biscuit Assortment. For Biscuits. 54,005; Dec. 12.
Bengué, Inc., Union City, N. J. Children's Baume Bengué. For Analgesic and Counterirritant Balm. 54,006; Dec. 12.
Daviess County Distilling Company, The, Owensboro, Ky. Pop Daviess. For Kentucky Straight Bourbon Whiskey. 54,007; Dec. 12.
Federated Foods, Inc., Chicago, Ill. Del Haven. For Vacuum Packed Coffee. 54,008; Dec. 12.
Giovannini, F., Chicago, Ill. La Florentine. For Tortellini, Bologna Style. 54,009; Dec. 12.
Glemby Company, The, Inc., New York, N. Y. Cameo Hair Snood. For Hair Snoods. 54,010; Dec. 12.
Home Polish Manufacturing Company, The. (See Lidie, Robert O.)
Honor Brand Frosted Foods Corp., New York, N. Y. Honor. For Fresh Frosted Lima Beans. 54,011; Dec. 12.
Howell, Charles H., & Co. Inc., Philadelphia, Pa. Permalastic. For a Permanently Elastic Material for Caulking and Glazing. 54,012; Dec. 12.
Hung's Food Products Inc., Boston, Mass. Hung's Chic-Chow Dinner Chicken and Vegetables. For Canned Chicken and Vegetables. 54,013; Dec. 12.
Lakeside Central Company, Chicago, Ill. Polartone the Paper with the North Light Tint. For Fillers for Loose Leaf Books and School Items. 54,014; Dec. 12.
Lidie, Robert O., doing business as The Home Polish Manufacturing Company, York, Pa. Home Furniture Polish. For Furniture Polish. 54,015; Dec. 12.
Markwardt, W. C., doing business as Markwardt's Quality Bakery, Joplin, Mo. Markwardt's Polka Dot is Good Bread. For Bread. 54,016; Dec. 12.
Mars, Incorporated, Chicago, Ill. Mars Double Box. For Candy. 54,017; Dec. 12.
McCoy, Clyde L., doing business as Pyroil Distributing Company, San Jose, Calif. Pyroil Treated Pyro-Penn Motor Oil. For Motor Oil. 54,018; Dec. 12.

Minnesota Valley Canning Company, Le Sueur, Minn. Mexicorn. For Whole Kernel Corn with Red and Green Peppers. 54,019; Dec. 12.
Minnesota Valley Canning Company, Le Sueur, Minn. Niblets. For Canned Whole Kernel Golden Corn. 54,020; Dec. 12.
Minnesota Valley Canning Company, Le Sueur, Minn. Niblet-Ears. For Canned Golden Bantam Corn-on-the-Cob. 54,021; Dec. 12.
Ostrom, A. B., Minneapolis, Minn. Anti-Grā. For a Hair Treatment. 54,022; Dec. 12.
Penick & Ford, Ltd. Incorporated, New York, N. Y. My-T-Fine. For a Mixture for Making an Imitation Butterscotch Flavor Dessert. 54,023; Dec. 12.
Pyroil Distributing Company. (See McCoy, Clyde L.)
Rogarson's Associates, Kewanee, Ill. Gypsy-Doodle. For Games. 54,024; Dec. 12.
Selmer, H. & H., Inc., Elkhart, Ind. Selmer Porta-Light. For Music Stand Lights. 54,025; Dec. 12.
Serra, Arthur, and Co., Chicago, Ill. Cuban Crushed Queen. For Canned Pineapple. 54,026; Dec. 12.
Shaw, Elinor, doing business as Zab Products Company, Toms River, N. J. Zab. For Medicated Salve for Mange Treatment. 54,027; Dec. 12.
Spring Grove Corporation, The, Chicago, Ill. Old Waterfall. For Kentucky Straight Bourbon Whiskey. 54,028; Dec. 12.
Standard Brands Incorporated, New York, N. Y. Fleischmann's. For Frozen Blueberries. 54,029; Dec. 12.
Waxide Paper Company, Kansas City, Mo. Wheat Bread. For Bread. 54,030; Dec. 12.
Weissinger, Frances E., St. Louis, Mo. Snow Ball. For Snow Ice Cream. 54,031; Dec. 12.
"X" Laboratories, Inc., New York, N. Y. "X" Super Flush. For a Flushing Compound for Automobile Radiators. 54,032; Dec. 12.
Zab Products Company. (See Shaw, Elinor.)

LIST OF REGISTRANTS OF PRINTS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Oralgum. For Chewing Gum. 17,752–3; Dec. 12.
Bengué, Inc., Union City, N. J. Baume Bengué. For Analgesic Balm. 17,754; Dec. 12.
Dodge, Mary, Studio City, Calif. Mary Dodge Choc-Co-Pops. For Chocolate Coated Popcorn. 17,755; Dec. 12.
Frankfort Distilleries, Incorporated, Louisville, Ky. Do Your Christmas Shopping Easy (Holly). For Whiskey. 17,756; Dec. 12.
Frankfort Distilleries, Incorporated, Louisville, Ky. Do Your Christmas Shopping Easy (Bells). For Whiskey. 17,757; Dec. 12.
General Mills, Inc., Minneapolis, Minn. Free! While Supplies Last! Twin Serving Set. For Biscuit Flour. 17,758; Dec. 12.
Parke, Davis & Company, Detroit, Mich. Florence Nightingale (Window Display). For Prescription Products. 17,759; Dec. 12.
Standard Scientific Supply Corp., New York, N. Y. Improved Method of Evacuating the Gastric Contents. For Indirect Suction Pumps for Stomach Evacuation. 17,760; Dec. 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Feathers. Star Bedding Company. 130,416; renewed Apr. 20, 1940.
Leather. Albert Trostel & Sons Company. 373,572; Dec. 12; Serial No. 421,360; published Oct. 3, 1939.
Neoprene. E. I. du Pont de Nemours and Company. 373,565; Dec. 12; Serial No. 421,222; published Oct. 3, 1939.
Peat moss. Hyper-Humus Company. 373,544; Dec. 12; Serial No. 420,584; published Sept. 19, 1939.
Sand and silica Sand. Standard Silica Corporation. 373,528; Dec. 12; Serial No. 419,455; published Oct. 3, 1939.
Skins, Fur. Gold & Bernstein, Inc. 373,584; Dec. 12; Serial No. 421,571; published Oct. 3, 1939.

CLASS 2

Boxes and folders, Paper. Automatic Paper Box Corp. 373,548; Dec. 12; Serial No. 420,744; published Sept. 19, 1939.
Cartons. J. J. Geller. 373,501; Dec. 12; Serial No. 416,848; published Sept. 26, 1939.
Cartons. General Mills, Inc. 373,505–8; Dec. 12; Serial Nos. 417,451–4; published Sept. 26, 1939.
Jars and vases, Concrete. Harold Horine and M. M. Horine. 373,638; Dec. 12; Serial No. 421,482; published Sept. 26, 1939.
Tanks. Caterpillar Tractor Co. 373,488; Dec. 12; Serial No. 415,106; published Sept. 12, 1939.

CLASS 3

Handbags and pocketbooks, Ladies'. Diamond, Goldmann & Rothenstein, Incorporated. 373,617; Dec. 12; Serial No. 422,276; published Sept. 19, 1939.
Handbags, wardrobe trunks, carrying cases, etc. S. Meyer. 373,568; Dec. 12; Serial No. 421,315; published Oct. 3, 1939.

CLASS 4

Cleaner, Typewriter type and roller. W. G. Gies. 373,629; Dec. 12; Serial No. 422,359; published Oct. 3, 1939.
Oil, Emulsifying. Vacuum Oil Company. 131,252; renewed May 4, 1940.
Soaps. R. Reinitz & Co. Inc. 373,616; Dec. 12; Serial No. 422,258; published Oct. 3, 1939.
Soaps, Laundry, textile, and other industrial. H. J. Theobald. 373,613; Dec. 12; Serial No. 422,161; published Oct. 3, 1939.

CLASS 5

Glue. Swift and Company. 373,640; Dec. 12; Serial No. 422,492; published Sept. 26, 1939.

CLASS 6

Blue, Laundry. Heller & Merz Company. 17,281; renewed Dec. 17, 1939.
Chemicals, medicines, and pharmaceutical preparations. William S. Merrell Company. 128,784; renewed Jan. 13, 1940.
Dyes, Fur. Gaskill Chemical Corporation. 128,707; renewed Jan. 13, 1940.
Medicinal preparation. Senoret Chemical Company. 128,850; renewed Jan. 13, 1940.
Nail polish. Lady Esther, Ltd. 373,475; Dec. 12; Serial No. 411,273; published Mar. 28, 1939.

CLASS 7

Cord, Tire. Callaway Mills. 373,530; Dec. 12; Serial No. 419,545; published Sept. 19, 1939.
Cordage. West Boylston Mfg. Company of Alabama. 373,567; Dec. 12; Serial No. 421,271; published Sept. 12, 1939.
Rope. Columbian Rope Company. 129,652; renewed Mar. 9, 1940.
Rope, Wire. Garba, Inc. 373,525; Dec. 12; Serial No. 419,300; published Sept. 26, 1939.
Twine. Columbian Rope Company. 128,335; renewed Jan. 6, 1940.

CLASS 8

Cigarette cases. Harry Richman Novelties Corp. 373,534; Dec. 12; Serial No. 419,734; published Oct. 3, 1939.
Smokers' stand with ash receptacles, lighters for cigars or cigarettes, etc., Combination. Faries Manufacturing Company. 373,463; Dec. 12; Serial No. 403,174; published Oct. 3, 1939.

CLASS 9

Pistols, Automatic. Colt's Patent Fire Arms Manufacturing Company. 373,652; Dec. 12.

CLASS 10

Fertilizers. Central Chemical Corporation of Maryland. 373,612; Dec. 12; Serial No. 422,125; published Oct. 3, 1939.
Plant foods. Hydroponic Chemical Company Inc. 373,639; Dec. 12; Serial No. 421,483; published Sept. 5, 1939.
Root or plant-growth stimulating compositions. C. Ellis. 373,538; Dec. 12; Serial No. 420,169; published Sept. 12, 1939.

CLASS 11

Ink, Printing. General Printing Ink Corporation. 373,615; Dec. 12; Serial No. 422,239; published Sept. 19, 1939.
Inks. Insto Blueprint Ink Company. 373,537; Dec. 12; Serial No. 419,917; published Sept. 12, 1939.

CLASS 12

Panels, Plywood. Elliott Bay Mill Company. 373,653; Dec. 12.

CLASS 13

Dishes, Removable covered glass and metal refrigerator. General Motors Corporation. 373,484; Dec. 12; Serial No. 414,733; published Oct. 3, 1939.
Fasteners, Slide operated. Standard Products Corporation. 373,608; Dec. 12; Serial No. 421,985; published Oct. 3, 1939.

Pipe and culverts, Metal drainage. Republic Steel Corporation. 373,606; Dec. 12; Serial No. 421,979; published Oct. 3, 1939.
Screws, bolts, and nuts. Eagle Lock Company. 373,587; Dec. 12; Serial No. 421,766; published Oct. 3, 1939.
Screws, Wood. National Lock Co. 373,672; Dec. 12.
Toilet seats. J. Hiltner & Son, Inc. 373,517; Dec. 12; Serial No. 418,758; published Oct. 3, 1939.

CLASS 14

Gold stamping foil. Hastings & Co. 373,510; Dec. 12; Serial No. 417,576; published Oct. 3, 1939.
Iron and steel castings. E. S. Dilley. 373,586; Dec. 12; Serial No. 421,645; published Oct. 3, 1939.

CLASS 15

Gasoline and lubricating oils. Potter & Hunter. 373,659; Dec. 12.
Kerosene. Sinclair Refining Company. 129,539; renewed Feb. 24, 1940.
Oil and refined products thereof, Crude petroleum. V-8 Oil Company. 373,654; Dec. 12.
Oil, Fuel. J. R. Enright. 373,658; Dec. 12.

CLASS 16

Finishes, General industrial. Grand Rapids Varnish Corporation. 373,618; Dec. 12; Serial No. 422,282; published Oct. 3, 1939.
Paints. Sears, Roebuck and Co. 373,520; Dec. 12; Serial No. 419,046; published Oct. 3, 1939.

CLASS 17

Cigarettes. Bloch Bros. Tobacco Co. 130,642–3; renewed May 4, 1940.

CLASS 19

Automobiles. Baker R. & L. Company. 128,297; renewed Jan. 6, 1940.
Boats, Motor. Gar Wood Industries, Inc. 373,498; Dec. 12; Serial No. 416,461; published June 6, 1939.

CLASS 20

Covering material, Surface. Modecraft Co. Inc. 373,630; Dec. 12; Serial No. 422,369; published Sept. 19, 1939.
Oilcloth and pyroxylin coated oilcloth, Enameled. Wadsworth & Woodman Company. 373,590; Dec. 12; Serial No. 421,830; published Sept. 19, 1939.

CLASS 21

Amplifying apparatus, microphones, telephone receivers, etc., Electrical. Vacolite Company. 373,634; Dec. 12; Serial No. 422,428; published Oct. 3, 1939.
Amplifying apparatus, microphones, telephone receivers, etc., Electrical. Vacolite Company. 373,635; Dec. 12; Serial No. 422,430; published Oct. 3, 1939.
Electrical apparatus and more particularly for electrical terminals. General Motors Corporation. 373,645; Dec. 12.
Lamps, Electric. Kennedy-Webster Electric Company. 373,552; Dec. 12; Serial No. 420,822; published Oct. 3, 1939.
Mixer, liquefier, and emulsifier for foods, Electrical combination. Chester Vitamizer, Inc. 373,509; Dec. 12; Serial No. 417,487; published Oct. 3, 1939.
Motor-clutches, including motors and controls therefor, Electric. Dynamatic Corporation. 373,583; Dec. 12; Serial No. 421,567; published Oct. 3, 1939.
Radio receiving sets and parts thereof, radio transmitting sets and parts thereof, etc. Thos. L. Siebenthaler Mfg. Co. 373,666; Dec. 12.

CLASS 22

Fish lures. James Heddon's Sons. 373,519; Dec. 12; Serial No. 418,832; published Oct. 3, 1939.
Fishing lures or bait. P. M. Eaby. 373,594; Dec. 12; Serial No. 421,848; published Oct. 3, 1939.
Game of Chinese checkers. Brown Manufacturing Company. 373,485; Dec. 12; Serial No. 414,815; published Oct. 3, 1939.
Games. Volume Sprayer Mfg. Co. Inc. 373,575; Dec. 12; Serial No. 421,405; published Oct. 3, 1939.

CLASS 23

Baths, iron baskets and conveying devices, etc., Metallurgical. Deutsche Gold- und Silber-Scheideanstalt (vormals Roessler). 373,471; Dec. 12; Serial No. 409,392; published Oct. 3, 1939.
Bearings and bearing hanger-boxes, antifriction balls and rollers, etc., Antifriction. Fafnir Bearing Company. 131,109; renewed May 4, 1940.
Chain and pulley apparatus for opening and closing freight car doors and the like. Mining Safety Device Company. 373,554; Dec. 12; Serial No. 420,962; published Oct. 3, 1939.
Charging plants and replacement parts therefor. Cardox Corporation. 373,570; Dec. 12; Serial No. 421,339; published Oct. 3, 1939.
Machinery and tools and parts thereof. General Motors Corporation. 128,981; renewed Jan. 20, 1940.
Razor blades, Safety. Guardian Merchandising Corporation. 373,470; Dec. 12; Serial No. 409,311; published Jan. 10, 1939.
Tools and equipment, Oil well and oil field. Muskogee Iron Works, Inc. 373,539; Dec. 12; Serial No. 420,182; published Oct. 3, 1939.

CLASS 24

Laundry machines. Jordan Marsh Company. 373,620; Dec. 12; Serial No. 422,329; published Sept. 19, 1939.
Washer, Hand operated clothes. C. A. Sieweck. 373,596; Dec. 12; Serial No. 421,864; published Oct. 3, 1939.

CLASS 26

Cameras. Match King, Inc. 373,522; Dec. 12; Serial No. 419,150; published Oct. 3, 1939.
Eyeshades. Eye Shade Corporation of America. 373,558; Dec. 12; Serial No. 421,072; published Oct. 3, 1939.
Films, sensitized photographic plates, etc., Sensitized photographic and motion picture. Photo Developing, Inc. 373,580; Dec. 12; Serial No. 421,532; published Oct. 3, 1939.
Films, sensitized photographic plates, etc., Sensitized photographic and motion picture. Photo Developing, Inc. 373,581; Dec. 12; Serial No. 421,534; published Oct. 3, 1939.
Photographic apparatus. Folmer Graflex Corporation. 373,574; Dec. 12; Serial No. 421,379; published Oct. 3, 1939.
Projectors, Motion picture. Akeley Leventhal Corp. 373,540; Dec. 12; Serial No. 420,206; published Oct. 3, 1939.

CLASS 29

Brushes, and hair brush sets, Military and hair. New York Merchandise Co. 373,536; Dec. 12; Serial No. 419,817; published Oct. 3, 1939.

CLASS 32

Furniture, Wooden and Upholstered. Grand Rapids Furniture Makers Guild. 373,655; Dec. 12.
Pillows, Feather. Star Bedding Company. 128,528; renewed Jan. 6, 1940.

CLASS 34

Boilers, Water tube. Oil City Boiler Works. 373,589; Dec. 12; Serial No. 421,811; published Oct. 3, 1939.

CLASS 35

Tires. Dayton Rubber Manufacturing Company. 373,460; Dec. 12; Serial No. 401,209; published Oct. 3, 1939.

CLASS 36

Accordions. Buegeleisen & Jacobson. 373,667; Dec. 12.
Sound posts for all string instruments. G. Virzi. 373,642; Dec. 12; Serial No. 422,530; published Oct. 3. 1939.

CLASS 37

Bookmarks. E. M. La Fond. 373,487; Dec. 12; Serial No. 415,096; published Oct. 3, 1939.
Charts. Octographs, Inc. 373,541; Dec. 12; Serial No. 420,386; published Oct. 3, 1939.
Desk sets. Illinois Watch Case Company. 373,472; Dec. 12; Serial No. 409,526; published Oct. 3, 1939.

CLASS 38

Articles appearing in periodicals and newspapers. W. Rumi, Jr. 373,664; Dec. 12.
Books. John C. Winston Company. 373,543; Dec. 12; Serial No. 420,571; published Sept. 26, 1939.
Books and reproductions of paintings. F. T. Fisher. 373,571; Dec. 12; Serial No. 421,343; published Sept. 26, 1939.
Periodical, Ideal Publishing Corp. 373,477; Dec. 12; Serial No. 411,696; published Feb. 14, 1939.
Publication. Fox Publications, Inc. 373,556; Dec. 12; Serial No. 421,034; published Oct. 3, 1939.
Publications. Dale Carnegie Courses, Incorporated. 373,503–4; Dec. 12; Serial Nos. 417,397–8; published Oct. 3, 1939.
Publications, Printed. B. M. Young. 373,576; Dec. 12; Serial No. 421,409; published Sept. 26, 1939.
Section of a periodical publication. Business Executive Publications, Inc. 373,553; Dec. 12; Serial No. 420,935; published Oct. 3, 1939.

CLASS 39

Apparel and accessories, Women's, girls', and children's wearing. Gimbel Brothers, Inc. 373,601; Dec. 12; Serial No. 421,935; published Oct. 3, 1939.
Apparel for women and children, Wearing. A. Edman. 373,462; Dec. 12; Serial No. 403,173; published Sept. 26, 1939.
Apparel, Wearing. E. M. Hull. 373,533; Dec. 12; Serial No. 419,601; published Sept. 5, 1939.
Blouses. Famous Blouses, Inc. 373,660; Dec. 12.
Boots and shoes. Sears, Roebuck and Co. 373,512; Dec. 12; Serial No. 417,786; published Oct. 3, 1939.
Boots, shoes, and slippers. Howard S. Rue & Sons, Inc. 373,607; Dec. 12; Serial No. 421,983; published Sept. 19, 1939.
Clothing. Abraham & Straus, Inc. 373,481; Dec. 12; Serial No. 414,180; published Apr. 11, 1939.

Clothing. Burdines, Inc. 373,483; Dec. 12; Serial No. 414,483; published Oct. 3, 1939.
Clothing for boys and children. Elder Manufacturing Company. 131,098; renewed May 4, 1940.
Coats and snow suits, Children's. Stern & Herff Corp. 373,646; Dec. 12.
Coats and suits. A. Sagner & Sons, Inc. 373,650; Dec. 12.
Coats, suits, dresses, etc., Children's. Bloomingdale Bros., Inc. 373,500; Dec. 12; Serial No. 416,837; published Sept. 19, 1939.
Coats, vests, trousers, etc. Hart, Schaffner & Marx. 373,362; renewed Feb. 17, 1940.
Corsets, brassières, and women's underwear of knitted or textile fabric. Benjamin & Johnes. 130,463; renewed Apr. 27, 1940.
Dresses. Mayehoff, Inc. 373,649; Dec. 12.
Dresses and hats; underwear; etc. F. Altschuler-Picard. 373,499; Dec. 12; Serial No. 416,758; published Sept. 26, 1939.
Dresses, sunsuits, bathrobes, etc. Best & Co. Inc. 373,569; Dec. 12; Serial No. 421,336; published Sept. 26, 1939.
Foundations, girdles, and step-in corsets. Franco Corset Company. 373,644; Dec. 12.
Gloves. May Department Stores Company. 373,611; Dec. 12; Serial No. 422,063; published Sept. 26, 1939.
Gloves. Louis Meyers & Son, Inc. 373,545; Dec. 12; Serial No. 420,592; published Oct. 3, 1939.
Gloves, Work. W. T. H. Ayres. 373,514; Dec. 12; Serial No. 418,324; published Sept. 12, 1939.
Handkerchiefs. M. Behman. 373,518; Dec. 12; Serial No. 418,804; published Sept. 19, 1939.
Hats. John B. Stetson Company. 373,542; Dec. 12; Serial No. 420,503; published Sept. 19, 1939.
Hats for women and misses. Haverfield Company. 373,457; Dec. 12; Serial No. 392,211; published Sept. 26, 1939.
Hats, Ladies'. W. Nelkin. 373,633; Dec. 12; Serial No. 422,415; published Oct. 3, 1939.
Hats, Ladies' and children's. C. Kartiganer. 373,516; Dec. 12; Serial No. 418,685; published Sept. 19, 1939.
Hats, Men's and boys' straw. Caradine Hat Company. 373,597; Dec. 12; Serial No. 421,871; published Sept. 19, 1939.
Hats, Men's and boys' straw and straw fibre hats. Caradine Hat Company. 373,628; Dec. 12; Serial No. 422,356; published Oct. 3, 1939.
Hats, Misses' and children's. Greenberg-Fisch Inc. 373,563–4; Dec. 12; Serial Nos. 421,185–6; published Sept. 19, 1939.
Hats, Women's. Wm. Knowlton & Sons Company. 373,631–2; Dec. 12; Serial Nos. 422,410–11; published Oct. 3, 1939.
Hats, Women's. D. Levin. 373,610; Dec. 12; Serial No. 422,060; published Oct. 3, 1939.
Heel pads and inner sole cushions. Airfilm Corporation. 373,561; Dec. 12; Serial No. 421,172; published Sept. 26, 1939.
Hosiery. Richmond Hosiery Mills. 373,474; Dec. 12; Serial No. 409,940; published June 20, 1939.
Neckties. Bowen-Ingalls & Co. 373,458; Dec. 12; Serial No. 395,608; published Sept. 12, 1939.
Neckties. Detroit Suspender & Belt Co. 373,593; Dec. 12; Serial No. 421,847; published Oct. 3, 1939.
Neckties, Stern, Merritt Co. 373,489; Dec. 12; Serial No. 415,308; published Oct. 3, 1939.
Neckties and mufflers. Hirsh, Inc. 373,551; Dec. 12; Serial No. 420,820; published Sept. 26, 1939.
Pajamas. Collegiate Manufacturing Company. 373,651; Dec. 12.
Pajamas. Kaylon, Inc. 373,663; Dec. 12.
Sandals. Sheltin-Ward Ltd. 373,524; Dec. 12; Serial No. 419,198; published Sept. 12, 1939.
Shoes. Given Bros. Shoe Co. 373,523; Dec. 12; Serial No. 419,189; published Sept. 12, 1939.
Shoes. Wohl Shoe Company. 373,599; Dec. 12; Serial No. 421,915; published Sept. 19, 1939.
Shoes, caps, and hats. Sarnoff-Irving, Inc. 373,527; Dec. 12; Serial No. 419,446; published Sept. 12, 1939.
Shoes for juveniles, Leather. Weyenberg Shoe Manufacturing Company. 373,490; Dec. 12; Serial No. 415,431; published Apr. 18, 1939.
Shoes, Infants'. Wizard Lightfoot Appliance Company. 373,532; Dec. 12; Serial No. 419,567; published Sept. 19, 1939.
Shoes, Leather. C. W. Marks Shoe Co. 373,595; Dec. 12; Serial No. 421,855; published Oct. 3, 1939.
Shoes, Women's, ladies', and girls'. A. De Pinna Co. 373,609; Dec. 12; Serial No. 422,044; published Oct. 3, 1939.
Suits, coats, vests, etc. Baker Clothes Inc. 373,619; Dec. 12; Serial No. 422,309; published Oct. 3, 1939.
Suits, coats, vests, etc. Baker Clothes, Inc. 373,627; Dec. 12; Serial No. 422,350; published Oct. 3, 1939.
Suits, Men's. Alfred Decker & Cohn, Inc. 373,476; Dec. 12; Serial No. 411,483; published Sept. 19, 1939.
Suits, Men's and boys' summer. Bond Stores, Incorporated. 373,671; Dec. 12.
Suits, pants, topcoats, etc. Wilton Clothes, Inc. 373,665; Dec. 12.
Suits, sportcoats, tuxedos, etc. Crane and Crane Clothes. 373,531; Dec. 12; Serial No. 419,549; published Sept. 26, 1939.
Sweatbands, Leather. Brizel Leather Corporation. 373,466; Dec. 12; Serial No. 408,090; published Sept. 12, 1939.
Tuxedos and dress clothing. L. R. Engelson. 373,557; Dec. 12; Serial No. 421,071; published Sept. 12, 1939.
Underwear, pajamas, and sweaters, etc. Schneider-Battinus & Simon. 373,670; Dec. 12.

CLASS 40

Clips, Metal. Waldes Koh-I-Noor, Inc. 373,515; Dec. 12; Serial No. 418,613; published July 18, 1939.
Emblems, patches, letters, etc. Gumakers of America, Inc. 373,521; Dec. 12; Serial No. 419,114; published Sept. 26, 1939.
Shields, Dress. I. B. Kleinert Rubber Company. 373,465; Dec. 12; Serial No. 406,221; published Sept. 26, 1939.
Stamped goods and art needlework package outfits. Bernhard Ulmann Co. Inc. 373,550; Dec. 12; Serial No. 420,749; published Aug. 29, 1939.
Straps, hosiery top elastic braids, etc., Shoulder. Narrow Fabric Company. 373,486; Dec. 12; Serial No. 414,882; published Sept. 26, 1939.

CLASS 41

Umbrellas. Polan, Katz and Company. 373,598; Dec. 12; Serial No. 421,901; published Sept. 26, 1939.

CLASS 42

Curtains. May Department Stores Company. 373,547; Dec. 12; Serial No. 420,722; published Oct. 3, 1939.
Curtains, Window. Bartmann & Bixer Inc. 373,643; Dec. 12; Serial No. 422,612; published Oct. 3, 1939.
Rugs and carpets. L. Bamberger & Co. 373,604; Dec. 12; Serial No. 421,960; published Oct. 3, 1939.
Rugs and carpets. L. Bamberger & Co. 373,605; Dec. 12; Serial No. 421,962; published Oct. 3, 1939.
Rugs, pads, mats, and strips of fibre. F. Burkart Manufacturing Company. 373,592; Dec. 12; Serial No. 421,843; published Oct. 3, 1939.
Woolen piece goods. Forstmann Woolen Company. 373,588; Dec. 12; Serial No. 421,802; published Oct. 3, 1939.

CLASS 43

Threads. Belding Heminway Company. 373,582; Dec. 12; Serial No. 421,559; published Sept. 19, 1939.
Threads. Belding Heminway Company. 373,591; Dec. 12; Serial No. 421,840; published Sept. 26, 1939.
Threads and yarns. Central Yarn Co. Inc. 373,546; Dec. 12; Serial No. 420,624; published Sept. 12, 1939.
Threads, Textile. Belding Heminway Company. 373,637; Dec. 12; Serial No. 421,445; published Sept. 19, 1939.
Threads, yarn, and thread and yarn filaments, Synthetic. American Viscose Corporation. 373,479; Dec. 12; Serial No. 413,095; published Sept. 12, 1939.
Threads, yarns, and thread and yarn filaments, Synthetic. American Viscose Corporation. 373,494–6; Dec. 12; Serial Nos. 415,821–3; published Sept. 12, 1939.
Threads, yarns, and thread and yarn filaments, Synthetic. American Viscose Corporation. 373,491–3; Dec. 12; Serial Nos. 415,814–16; published Sept. 12, 1939.
Yarns, Rayon. American Enka Corporation. 373,614; Dec. 12; Serial No. 422,165; published Sept. 26, 1939.

CLASS 45

Beverages. Cactus Pete, Inc. 373,526; Dec. 12; Serial No. 419,367; published Oct. 3, 1939.
Beverages and extracts and flavors for making the same. Theall & Pile, Inc. 373,560; Dec. 12; Serial No. 421,167; published Oct. 3, 1939.
Beverages, and syrups, extracts, and flavors used in making the same. Hi-Grade Extract Co. 373,585; Dec. 12; Serial No. 421,611; published Oct. 3, 1939.

CLASS 46

Apples, pears, plums, etc. Argentine Fruit Distributors Sociedad Anonima Limitada. 373,497; Dec. 12; Serial No. 416,089; published Oct. 3, 1939.
Bread. Fisher Flouring Mills Company. 373,535; Dec. 12; Serial No. 419,800; published Oct. 3, 1939.
Canned fish balls, canned sardines, etc. Swedish Produce Company. 373,473; Dec. 12; Serial No. 409,660; published Apr. 4, 1939.
Canned food products. F. E. Booth Company. 373,482; Dec. 12; Serial No. 414,432; published Mar. 14, 1939.
Canned fruit juices and vegetable juices. Barron-Gray Packing Company. 373,549; Dec. 12; Serial No. 420,746; published Oct. 3, 1939.
Canned peas. Bozeman Canning Company. 373,480; Dec. 12; Serial No. 413,701; published Mar. 28, 1939.
Canned pineapple. Arthur Serra & Company. 373,577–8; Dec. 12; Serial Nos. 421,438–9; published Oct. 3, 1939.
Canned tomatoes. Cerruti & Cominelli. 373,469; Dec. 12; Serial No. 409,082; published Oct. 3, 1939.
Canned tomatoes, pears, apricots, etc. Greco Canning Co. Inc. 127,050; renewed Oct. 21, 1939.
Canned tuna fish. Shield Foods, Inc. 373,657; Dec. 12.
Coffee. Albert Ehlers, Inc. 373,529; Dec. 12; Serial No. 419,504; published Oct. 3, 1939.
Coffee. Gordon, Sewall & Co. Inc. 131,312; renewed May 11, 1940.
Coffee. Southland Coffee Company. 373,661; Dec. 12.

Fish and edible products thereof. Aktiebolaget Bröderne Ameln. 373,459; Dec. 12; Serial No. 396,861; published Nov. 29, 1938.
Fish, and frozen fruits and vegetables, Frozen. Frigid Food Products, Inc. 373,559; Dec. 12; Serial No. 421,137; published Oct. 3, 1939.
Flour, Wheat. Dixie-Portland Flour Co. 373,636; Dec. 12; Serial No. 422,441; published Oct. 3, 1939.
Flour, Wheat. Norfolk Cereal and Flour Mills Company. 373,579; Dec. 12; Serial No. 421,491; published Oct. 3, 1939.
Food beverage, Non-caffeine. Rural Educational Association. 373,511; Dec. 12; Serial No. 417,782; published Oct. 3, 1939.
Food, Dog. John Morrell & Co. 373,467; Dec. 12; Serial No. 408,432; published Sept. 20, 1939.
Foods, Cereal breakfast. Kellogg Company. 373,468; Dec. 12; Serial No. 408,803; published Oct. 3, 1939.
Fruit, deciduous fruit and grapes, Fresh citrus. Consolidated Produce Co. 373,600; Dec. 12; Serial No. 421,929; published Oct. 3, 1939.
Fruit, Fresh citrus. Southern Citrus Association. 373,669; Dec. 12.
Ham and picnic ham. Rath Packing Company. 373,647; Dec. 12.
Macaroni and egg noodles. Minnesota Macaroni Company. 373,464; Dec. 12; Serial No. 405,336; published Oct. 3, 1939.
Marshmallow crême and powder, and extracts. Hipolite Company. 128,730; renewed Jan. 13, 1940.
Milk, Cultured. Pevely Dairy Company. 373,656; Dec. 12.
Oleomargarine. Beatrice Creamery Company. 373,461; Dec. 12; Serial No. 402,928; published Mar. 28, 1939.
Olive-oil. Alex. D. Shaw & Co. 127,504; renewed Nov. 11, 1939.
Sandwiches. N. La Maina. 373,662; Dec. 12.
Shortening. Humko Co. 373,641; Dec. 12; Serial No. 422,512; published Oct. 3, 1939.
Sugar. Compania Azucarera del Camuy, Inc. 373,648; Dec. 12.
Vegetables, Fresh. Growers Incorporated. 373,602; Dec. 12; Serial No. 421,937; published Oct. 3, 1939.
Vitamin containing preparation. Nutritional Research Associates, Inc. 373,603; Dec. 12; Serial No. 421,944; published Oct. 3, 1939.

CLASS 47

Wines. Austin, Nichols & Co. 373,478; Dec. 12; Serial No. 412,995; published Feb. 7, 1939.
Wines. J. H. & J. Brooke Ltd. 373,562; Dec. 12; Serial No. 421,176; published Oct. 3, 1939.
Wines. Taylor Wine Company. 373,513; Dec. 12; Serial No. 418,073; published Oct. 3, 1939.

CLASS 49

Cordials, Alcoholic. Kraus Bros. & Co. Inc. 373,621–3; Dec. 12; Serial Nos. 422,331–3; published Oct. 3, 1939.
Cordials, Alcoholic. Kraus Bros. & Co. Inc. 373,624–6; Dec. 12; Serial Nos. 422,335–7; published Oct. 3, 1939.
Gin and whiskey. Ajax Liquor Company. 373,502; Dec. 12; Serial No. 416,936; published May 9, 1939.
Whiskey. Essex Club. 373,668; Dec. 12.

CLASS 50

Closures, lacquered fabrics, etc., Cellulose bottle and receptacle. E. I. du Pont de Nemours and Company. 373,566; Dec. 12; Serial No. 421,224; published Oct. 3, 1939.
Felt in the piece. Felters Company. 373,573; Dec. 12; Serial No. 421,378; published Oct. 3, 1939.
Plate stands. W. & F. Manufacturing Co. 373,555; Dec. 12; Serial No. 421,016; published Oct. 3, 1939.

LIST OF LABELS

Adam Hats Sports Parade. For Hats. Adam Hat Stores, Inc. 54,001; Dec. 12.
Anti-Grâ. For a Hair Treatment. A. B. Ostrom. 54,022; Dec. 12.
Beech-Nut Oralgum. For Chewing Gum. Beech-Nut Packing Company. 54,003–4; Dec. 12.
Beech-Nut Biscuit Assortment. For Biscuits. Beech-Nut Packing Company. 54,005; Dec. 12.
Cameo Hair Snoods. For Hair Snoods. Glemby Company. 54,010; Dec. 12.
Children's Baume Bengué. For Analgesic and Counter-irritant Balm. Bengué, Inc. 54,006; Dec. 12.
Cuban Crushed Queen. For Canned Pineapple. Arthur Serra and Co. 54,026; Dec. 12.
Del Haven. For Vacuum Packed Coffee. Federated Foods, Inc. 54,008; Dec. 12.
Fairy Shrimps (Estheriidae) and Water-Boatmen (Corixidae). For Fairy Shrimps (Estheriidae) and Water-Boatmen (Corixidae). St. E. Abernathy. 54,000; Dec. 12.
Fleischmann's. For Frozen Blueberries. Standard Brands Incorporated. 54,029; Dec. 12.
Gypsy-Doodle. For Games. Rogarson's Associates. 54,024; Dec. 12.
Home Furniture Polish. For Furniture Polish. R. O. Lidle. 54,015; Dec. 12.
Honor. For Fresh Frosted Lima Beans. Honor Brand Frosted Foods Corp. 54,011; Dec. 12.
Hung's Chic-Chow Dinner Chicken and Vegetables. For Canned Chicken and Vegetables. Hung's Food Products Inc. 54,013; Dec. 12.
La Florentine. For Tortellini, Bologna Style. F. Giovannini. 54,009; Dec. 12.
Markwardt's Polka Dot is Good Bread. For Bread. W. C. Markwardt. 54,016; Dec. 12.
Mars Double Box. For Candy. Mars Incorporated. 54,017; Dec. 12.
Mexicorn. For Whole Kernel Corn with Red and Green Peppers. Minnesota Valley Canning Company. 54,019; Dec. 12.
My-T-Fine. For a Mixture for Making an Imitation Butterscotch Flavor Dessert. Penick & Ford, Ltd. Incorporated. 54,023; Dec. 12.
Niblets. For Canned Whole Kernel Golden Corn. Minnesota Valley Canning Company. 54,020; Dec. 12.
Niblet-Ears. For Canned Golden Bantam Corn-on-the-Cob. Minnesota Valley Canning Company. 54,021; Dec. 12.
Old Waterfall. For Kentucky Straight Bourbon Whiskey. Spring Grove Corporation. 54,028; Dec. 12.
Permalastic. For a Permanently Elastic Material for Caulking and Glazing. Charles H. Howell & Co. Inc. 54,012; Dec. 12.
Polartone the Paper with the North Light Tint. For Fillers for Loose Leaf Books and School Items. Lakeside Central Company. 54,014; Dec. 12.
Pop Daviess. For Kentucky Straight Bourbon Whiskey. The Daviess County Distilling Company. 54,007; Dec. 12.
Pyroil Treated Pyro-Penn Motor Oil. For Motor Oil. C. L. McCoy. 54,018; Dec. 12.
Selmer Porta-Light. For Music Stand Lights. H. & A. Selmer Inc. 54,025; Dec. 12.
Snow Ball. For Snow Ice Cream. F. E. Weissinger. 54,031; Dec. 12.
Van Brite Double Dries and then won't Water-Spot. For Liquid Wax. American Disinfecting Company. 54,002; Dec. 12.
Wheat Bread. For Bread. Waxide Paper Company. 54,030; Dec. 12.
"X" Super Flush. For a Flushing Compound for Automobile Radiators. "X" Laboratories, Inc. 54,032; Dec. 12.
Zab. For Medicated Salve for Mange Treatment. E. Shaw. 54,027; Dec. 12.

LIST OF PRINTS

Baume Bengué. For Analgesic Balm. Bengué, Inc. 17,754; Dec. 12.
Beech-Nut Oralgum. For Chewing Gum. Beech-Nut Packing Company. 17,752–3; Dec. 12.
Do Your Christmas Shopping Easy (Bells). For Whiskey. Frankfort Distilleries, Incorporated. 17,757; Dec. 12.
Do Your Christmas Shopping Easy (Holly). For Whiskey. Frankfort Distilleries, Incorporated. 17,756; Dec. 12.
Florence Nightingale (Window Display). For Prescription Products. Parke, Davis & Company. 17,759; Dec. 12.
Free! While Supplies Last! Twin Serving Set. For Biscuit Flour. General Mills, Inc. 17,758; Dec. 12.
Improved Method of Evacuating the Gastric Contents. For Indirect Suction Pumps for Stomach Evacuation. Standard Scientific Supply Corp. 17,760; Dec. 12.
Mary Dodge Choc-Co-Pops. For Chocolate Coated Popcorn. M. Dodge. 17,755; Dec. 12.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bochmann, Otto, Remscheid-Lennep, Germany, assignor to American Bemberg Corporation, New York, N. Y. Spinning centrifuge. Re. 21,290; Dec. 12.
American Bemberg Corporation. (See Bochmann, Otto, assignor.)
Cantor, Sidney M., Riverside, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Production of fatty acid esters from starch factory byproducts. Re. 21,291; Dec. 12.
Corn Products Refining Company. (See Cantor, Sidney M., assignor.)
Hamilton, Alfred F., Seattle, Wash. Game board. Re. 21,292; Dec. 12.
Hanna, Clinton R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound recording and reproducing system. Re. 21,293; Dec. 12.
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Innes, Walter P., Jr., Wichita, Kans. Spark plug. Re. 21,294; Dec. 12.
Köster, Paul E., assignor to Siemens Apparate und Maschinen G. m. b. H., Berlin, Germany. Regulator for aircraft driving gears. Re. 21,295; Dec. 12.
Siemens Apparate und Maschinen G. m. b. H. (See Köster, Paul E., assignor.)
Lyon, George A., Allenhurst, N. J. Wheel construction. Re. 21,296; Dec. 12.
Mizell, George P., Dayton, Tex. Depth recorder for a well drill. Re. 21,297; Dec. 12.
Nelson, Rudolph S., Larchmont, N. Y., assignor to The Hoover Company, North Canton, Ohio. Room cooling apparatus. Re. 21,298; Dec. 12.
Hoover Company, The. (See Nelson, Rudolph S., assignor.)
Osterstrom, Rudolph C., Kenilworth, assignor to The Pure Oil Company, Chicago, Ill. Oil purifying system. Re. 21,299; Dec. 12.
Pure Oil Company, The. (See Osterstrom, Rudolph C., assignor.)
Pearsall, Albert E., Vancouver, British Columbia, Canada. Two-revolution cylinder printing press. Re. 21,300; Dec. 12.

LIST OF PLANT PATENTEES

Alcardi, Domenico, San Remo, Italy, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 349; Dec. 12.
Jackson & Perkins Company. (See Alcardi, Domenico, assignor.)

LIST OF DESIGN PATENTEES

Adelstein, Eddie, New York, N. Y., assignor to Delamere Company, Inc. Hair ornament or similar article. 118,032; Dec. 12.
Alexander, George D., Minneapolis, Minn. Dump wagon body. 118,033; Dec. 12.
Almquist, Nils T. (See Anderson, O. M., and Almquist.)
American Cabinet Hardware Corp. (See Borchers, Earl, assignor.)
Anderson, Oscar M., and N. T. Almquist, assignors to Landers, Frary & Clark, New Britain, Conn. Vacuum cleaner. 118,007; Dec. 12.
Anderson, Oscar M., and N. T. Almquist, assignors to Landers, Frary & Clark, New Britain, Conn. Toaster or the like. 118,065; Dec. 12.
Behrens, Walter A., New York, assignor to Ideal Fastener Corporation, Brooklyn, N. Y. Slider body for slide fasteners. 118,034; Dec. 12.
Bell, Charles C. (See Prahl, F. A., Jr., and Bell.)
Berkshire Knitting Mills. (See Hemmerich, Hugo, assignor.)
Berman, Israel, New York, N. Y. Slipper. 118,008; Dec. 12.
Biro, Laszlo B., Jamaica, N. Y. Alphabet. 118,098; Dec. 12.
Blair, David, Chicago, Ill. Brassière. 118,099; Dec. 12.
Block, William O., Detroit, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Motor coach body. 118,105; Dec. 12.
Borchers, Earl, assignor to American Cabinet Hardware Corp., Rockford, Ill. Drawer pull or similar article. 118,009; Dec. 12.
Broderick, Frank W., New Brighton, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Display carton. 118,010; Dec. 12.
Buchholz, Israel, New York, N. Y. Dress ensemble. 118,066; Dec. 12.
Buchholz, Israel, New York, N. Y. Dress ensemble. 118,067; Dec. 12.
Buchholz, Israel, New York, N. Y. Dress ensemble. 118,068; Dec. 12.
Caestecker, Charles E., Chicago, Ill. Rebound device for a pin-ball game apparatus. 118,011; Dec. 12.
Cardinal Parfums, Inc. (See Ignall, T. J., and Penker, assignors.)
Cavanagh, John, assignor to Hat Corporation of America, Norwalk, Conn. Hat. 118,069; Dec. 12.
Cohen, David C. (See Houle, Melvin C., assignor.)
Cohen, David C. (See Trojan, Jose, assignor.)
Compagnoni, Benjamin J. and V., Detroit, Michigan. Toy rocking horse. 118,035; Dec. 12.
Compagnoni, Victor. (See Compagnoni, Benjamin J. and V.)
Cross, Mark, Company. (See Murphy, Gerald, assignor.)
Crystal Manufacturing Co. (See Houle, Melvin C., assignor.)
Crystal Manufacturing Co. (See Trojan, Jose.)
Deas, William L., Kendall, Fla. Game board. 118,036; Dec. 12.
Delamere Company. (See Adelstein, Eddie, assignor.)
D'Elia, Joseph A., Bridgeport, Conn. Oil burner. 118,070; Dec. 12.
Dillingham, Vachel S. (See Goodman, H., and Dillingham.)
Dillon, David, New York, N. Y. Combined radio cabinet and collapsible support therefor. 118,106; Dec. 12.
Domen, Achille, Roubaix, France. Textile fabric or similar article. 118,037; Dec. 12.
Eckberg, Gwendolyn, Executrix. (See Eckberg, Ralph E.)
Eckberg, Ralph E., deceased; Eckberg, Seattle, Wash., executrix. Merchandise display cabinet. 118,071; Dec. 12.
Fischer, Benjamin, New York, N. Y. Child's coat. 118,038; Dec. 12.
Fracchia, Pauline, New York, N. Y. Dress. 118,100; Dec. 12.
Friend, Pearl C., New York, N. Y. Dress. 118,072; Dec. 12.
Garrison, Forrest C., Highland Park, assignor to The Oscar C. Rixon Co., Chicago, Ill. Pivot hinge. 118,012; Dec. 12.
Gilkison, Grover C., Elyria, Ohio. Chair. 118,039; Dec. 12.
Gilkison, Grover C., Elyria, Ohio. Chair. 118,040; Dec. 12.
Gilkison, Grover C., Elyria, Ohio. Chair. 118,041; Dec. 12.
Goldman, Meyer, Jersey City, N. J. Shoe or similar article. 118,013; Dec. 12.
Goodman, Harry, and V. S. Dillingham, assignors to R. M. Wolfe, Oklahoma City, Okla. Air conditioning vaporizer. 118,042; Dec. 12.
Gower, Stanley M., Skowhegan, Maine. Tooth brush handle. 118,073; Dec. 12.
Grimm, Frederick C., Washington, N. J. Bathtub. 118,014; Dec. 12.
Hare, Montgomery, St. James, N. Y. Combined ashtray and receptacle. 118,043; Dec. 12.
Hat Corporation of America. (See Cavanagh, John, assignor.)
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. 118,074; Dec. 12.

Hermann, James C., Los Angeles, Calif. Combined handle and escutcheon. 118,015; Dec. 12.
Hettrick Manufacturing Company, The. (See Smith, William I., assignor.)
Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)
Hickok Manufacturing Company. (See Valsey, Harold C., assignor.)
Hoffman, Allan C., Millidale, and F. Reutter, assignors to Scovill Manufacturing Company, Waterbury, Conn. Inhaler. 118,044; Dec. 12.
Houle, Melvin C., assignor to O. Housholder and D. C. Cohen, copartners doing business as Crystal Manufacturing Co., Chicago, Ill. Merchandise display stand. 118,016; Dec. 12.
Housholder, Owen. (See Houle, Melvin C., assignor.)
Housholder, Owen. (See Trojan, Jose, assignor.)
Ideal Fastener Corporation. (See Behrens, Walter A., assignor.)
Ideal Fastener Corporation. (See Lawson, Birdsall P., assignor.)
Ignall, Theodore J., Sunnyside, Long Island, and E. Penker, Astoria, assignors to Cardinal Parfums, Inc., New York City, N. Y. Receptacle for perfume bottles or the like. 118,045; Dec. 12.
Jones, Gladys M., Washington, D. C. Boutonniere vase, or similar article. 118,017; Dec. 12.
Kaplan, Michael B., New York, N. Y. Embroidered trimming. 118,075; Dec. 12.
Karstadt, Clarence, Glen Ellyn, assignor to Sears, Roebuck and Co., Chicago, Ill. Bathroom scale. 118,018; Dec. 12.
Kaufman, Benjamin M., New York, N. Y. Woven textile fabric. 118,046; Dec. 12.
Kaufman Plush Company. (See Murray, Robert J., assignor.)
Kirchhan, Robert O., assignor to Milwaukee Brass Specialty Company, Milwaukee, Wis. Combination frame. 118,047; Dec. 12.
Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 118,048; Dec. 12.
Kuehn, Walda, assignor to Peck & Peck, New York, N. Y. Merchandise container or similar article. 118,049; Dec. 12.
Landers, Frary & Clark. (See Anderson, O. M., and Almquist, assignors.)
Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. Chair or similar article. 118,019; Dec. 12.
Lawson, Birdsall P., New York, assignor to Ideal Fastener Corporation, Brooklyn, N. Y. Slider body for slide fasteners. 118,050; Dec. 12.
Manning, Maxwell & Moore, Incorporated. (See Merrill, Hamilton, assignor.)
McGill, Andrew D. (See Wright, S. M., and McGill.)
Merrill, Hamilton, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Valve or similar article. 118,051; Dec. 12.
Milwaukee Brass Specialty Company. (See Kirchhan, Robert O., assignor.)
Mohawk Brush Company. (See Weber, Frank R., assignor.)
Murphy, Gerald, assignor to Mark Cross Company, New York, N. Y. Handbag or similar article. 118,076; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,077; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,078; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,079; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,080; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,081; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,082; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,083; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,084; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,085; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,086; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,087; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,088; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,089; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,090; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,091; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,092; Dec. 12.
Murray, Robert J., assignor to Kaufman Plush Company, Philadelphia, Pa. Textile fabric. 118,093; Dec. 12.
Nudell, Arthur A., Chicago, Ill. Decorative wall plaque or analogous article. 118,052; Dec. 12.
Payne, Clyde S., Jr. (See Welch, F. S., and White, assignors.)
Handle and escutcheon, Combined. J. C. Hermann. 118,015; Dec. 12.
Handle for sauce pans. A. F. Ramsthal. 118,023; Dec. 12.
Handle, Tooth brush. S. M. Gower. 118,073; Dec. 12.
Hat. J. Cavanagh. 118,069; Dec. 12.
Hinge, Pivot. F. C. Garrison. 118,012; Dec. 12.
Holder, Hat display. W. T. Webb. 118,029; Dec. 12.
Inhaler. A. C. Hoffman and F. Reutter. 118,044; Dec. 12.
Medal or the like. H. C. Valsey. 118,028; Dec. 12.
Ornament for graves. V. J. Schultz. 118,025; Dec. 12.
Ornament or similar article, Hair. E. Adelstein. 118,032; Dec. 12.
Ornament plate, Automobile. J. J. Sapione. 118,057; Dec. 12.
Photographic exposure calculator. H. A. Wennerholm. 118,063; Dec. 12.
Plaque or analogous article, Decorative wall. 118,052; Dec. 12.
Rebound device for a pin-ball game apparatus. C. E. Caestecker. 118,011; Dec. 12.
Receptacle for perfume bottles or the like. T. J. Ignall and E. Penker. 118,045; Dec. 12.
Ring or similar article, Finger. D. Widess. 118,031; Dec. 12.
Scale, Bathroom. C. Karstadt. 118,018; Dec. 12.
Shoe. A. E. Pfeiffer. 118,020; Dec. 12.
Shoe or similar article. M. Goldman. 118,013; Dec. 12.
Shroud, Automobile exhaust. L. A. Koch. 118,048; Dec. 12.
Sign, Composite character. A. Shernov. 118,059; Dec. 12.
Slider body for slide fasteners. W. A. Behrens. 118,034; Dec. 12.
Slider body for slide fasteners. B. P. Lawson. 118,050; Dec. 12.
Slipper. I. Berman. 118,008; Dec. 12.
Spray booth. F. A. Prahl, Jr., and C. C. Bell. 118,054; Dec. 12.
Stand and mirror for electric safety razors, Combined display. J. Trojan. 118,027; Dec. 12.
Stand, Merchandise display. M. C. Houle. 118,016; Dec. 12.
Statuette or similar article. J. C. Reynolds. 118,024; Dec. 12.
Stocking. H. Hemmerich. 118,074; Dec. 12.
Toaster or the like. O. M. Anderson and N. T. Almquist. 118,065; Dec. 12.
Toy. F. S. Welch and G. O. White. 118,062; Dec. 12.
Toy rocking horse. B. J. and V. Compagnoni. 118,035; Dec. 12.
Trimming, Embroidered. M. B. Kaplan. 118,075; Dec. 12.
Valve or similar article. H. Merrill. 118,051; Dec. 12.
Vaporizer, Air conditioning. H. Goodman and V. S. Dillingham. 118,042; Dec. 12.
Vase, or similar article, Boutonniere. G. M. Jones. 118,017; Dec. 12.
Wagon body, Dump. G. D. Alexander. 118,033; Dec. 12.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abouchar, Paul C., Brooklyn, N. Y. Making dies. 2,182,775; Dec. 12.
Achatz, John, assignor of one-half to S. B. Collins, Hooper, Colo. Vegetable grader belt. 2,183,439; Dec. 12.
Addink, Nicolaas W. H., and J. H. de Boer, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cathode ray tube fluorescent screen. 2,182,860; Dec. 12.
Adlake Company, The. (See Whitmore, Edward E., assignor.)
Agfa Ansco Corporation. (See Goldhammer, Leo, assignor.)
Air Reduction Company. (See Deming, George M., assignor.)
Aktiebolaget Svenska Kullagerfabricken. (See Palmgren, Per G., assignor.)
Albach, Frank, and G. R. Chervenka, assignors to Fred Medart Manufacturing Company, St. Louis, Mo. Seating structure. 2,183,056; Dec. 12.
Albach, Frank, and G. R. Chervenka, assignors to Fred Medart Manufacturing Company, St. Louis, Mo. Seating structure. 2,183,057; Dec. 12.
Albert, Suzanne A., San Diego, Calif. Adjustable treatment pad. 2,182,861; Dec. 12.
Alexander, Samuel H., et al. (See Vanderpool, Earl L., assignor.)
Alink, Roelof J. H. (See Dippel, C. J., Alink, and Keuning.)
Allardice, Thomas B., Mountain Lakes, N. J. Separating method and apparatus. 2,182,862; Dec. 12.
Allen, E. O., assignor of one-half to O. Allen, McHenry, Ky. Electrical connector. 2,183,179; Dec. 12.
Allen, Everett W., Bridgeport, Conn. Automatic cigarette lighter and dispenser. 2,182,955; Dec. 12.
Allen, Oscar. (See Allen, Estil O., assignor.)
Allen, Scott E., Glen Ridge, and J. E. Rennert, Springfield, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Safety sealing means for fire extinguishing systems. 2,183,208; Dec. 12.
Allgemeine Elektricitats-Gesellschaft Friedrich Karl. (See Henneberg, W., and Recknagel, assignors.)
Alsing, Carl F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus and method. 2,183,343; Dec. 12.
Alterthum, Hans, Berlin-Wilmersdorf, and A. Lompe, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,182,776; Dec. 12.
Alterthum, Hans, Berlin-Wilmersdorf, and A. Lompe, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,182,777; Dec. 12.
Alterthum, Hans, Berlin-Wilmersdorf, A. Lompe, Berlin, and K. Wiegand, Hohen-Neuendorf near Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,182,778; Dec. 12.
Alterthum, Hans, Berlin-Wilmersdorf, and A. Lompe, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,182,779; Dec. 12.
Alterthum, Hans, Berlin-Wilmersdorf, and A. Lompe, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,182,780; Dec. 12.
Amazon Knitting Company. (See Powell, Walter C., assignor.)
American Blower Corporation. (See Pfeffer, H. W., and Danz, assignors.)
American Can Company. (See Mann, H. G., and Kinney, assignors.)
American Can Company. (See Murch, John H., assignor.)
American Chemical Paint Company. (See Mackenzie, Franklin H., assignor.)
American Cyanamid Company. (See Crawford, Bruce D., assignor.)
American District Telegraph Company. (See Muehter, Manfred W., assignor.)
American Flange & Manufacturing Co. (See Wackman, Louis B., assignor.)
American Fork & Hoe Company, The. (See Moulton, Walter E., assignor.)
American Fork & Hoe Company, The. (See Wonham, Fred S., assignor.)
American Houses, Inc. (See McLaughlin, Robert W., Jr., assignor.)
American Industrial Research, Inc. (See Wilbur, Donald A., assignor.)
American Laundry Machinery Company, The. (See Johnson, George W., assignor.)
American Magnesium Metals Corporation. (See Erdmann, Konrad, assignor.)
American Multi Products Corp. (See Robinson, Harold E., assignor.)
American Radiator & Standard Sanitary Corporation. (See Conell, Edward S., Jr., assignor.)
American Rayon Company. (See Furness, William H., assignor.)
American Smelting and Refining Company. (See Perkins, Melville F., assignor.)
American Smelting and Refining Company. (See Steele, E. W., and Morin, assignors.)
American Stay Company. (See Presby, Leroy Q., assignor.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Totalisator Company. (See Levy, Oscar C., assignor.)
Amos, James L., assignor to The Dow Chemical Company, Midland, Mich. Forming an aldehyde and an olefin monohalide. 2,183,036; Dec. 12.
Anaconda Wire & Cable Company. (See Whittaker, William A., assignor.)
Anciens Etablissements Barbier, Benard & Turenne. (See Mestre, Louis N., assignor.)
Andersen, Tengel. (See Andersen, Thomas K. and T.)
Andersen, Thomas K., West Brighton, and T. Andersen, Port Richmond, assignors to Overhead Loader Corporation, New York, N. Y. Material collecting and loading apparatus. 2,182,781; Dec. 12.
Anderson, Leslie J., Westmont, N. J., assignor to Radio Corporation of America. Electroacoustical apparatus. 2,183,209; Dec. 12.
Anderson, Lloyd, Grand Rapids, Mich., assignor to National Lock Co., Rockford, Ill. Hinge. 2,183,210; Dec. 12.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Air conditioning system. 2,183,387; Dec. 12.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Ventilating apparatus. 2,183,498; Dec. 12.
Andrews Company. (See Coddington, Howard O., assignor.)
Anton, Douglas. (See Simonson, Alfred J., assignor.)
Antos, Joseph, assignor to Western-Austin Company, Aurora, Ill. Grader. 2,183,058; Dec. 12.
Apex Electrical Manufacturing Company, The. (See Frantz, Walter A., assignor.)
Armour and Company. (See Eikel, Karl C., assignor.)
Askania-Werke A. G. (See Lehr, E., and Granacher, assignors.)
Associated Telephone & Telegraph Company. (See Richards, Idris T., assignor.)
Atkins, Elizabeth, et al. (See Atkins, Lawrence R., assignor.)
Atkins, Harry F., Old Fletton, Peterborough, England. Milling machine for copying or profiling. 2,183,344; Dec. 12.
Atkins, Lawrence R., assignor of one-fourth to E. Atkins and one-fourth to B. Bouldin, Plainfield, N. J. Match container. 2,182,909; Dec. 12.
Atlantic Coast Fisheries Company. (See Reynolds, Stanton, assignor.)
Atlantic Coast Fisheries Company, The. (See Taylor, Harden F., assignor.)
Atwood Machine Company, The. (See Gordon, William R., assignor.)
Auden, Harold A., Banstead, H. P. Staudinger, Sutton, and H. M. Hutchinson, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of cellulose derivative compositions. 2,183,317; Dec. 12.
Auer Register Company, The. (See Komora, Louis J., assignor.)
Autogiro Company of America. (See Bennett, James A. J., assignor.)
Autogiro Company of America. (See Larsen, Agnew E., assignor.)
Auto Research Corporation. (See Kocher, Edward H., assignor.)
Avey Machine Company, The. (See McKee, G. K., and Bernitt, assignors.)
Baacke, Henry F., Cowesett, R. I. Curtain rod threading device. 2,183,328; Dec. 12.

Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Baby Aids, Inc. (See Haritos, Tassos G., assignor.)
Bach, Emmon, Yonkers, assignor, by mesne assignments, to National Aviation Research Corporation, New York, N. Y. Accelerometer. 2,183,002; Dec. 12.
Bachler, Leonard J. (See Robitzek, W., and Bachler.)
Bacon, Raymond F., Bronxville, N. Y., and I. Bencowitz, Gulf, assignors to Texas Gulf Sulphur Company, Houston, Tex. Paving. 2,182,837; Dec. 12.
Bacon, Sydney E., Seattle, Wash. Fish lure. 2,183,059; Dec. 12.
Bailey, George B., Sharon, assignor to Thermal Engineering Company, Boston, Mass. Control means for a plurality of power units. 2,183,364; Dec. 12.
Bakelite Corporation. (See Butler, William H., assignor.)
Baker Castor Oil Company, The. (See Colbeth, Ivor M., assignor.)
Baker, Eugene L., Taunton, Mass. Gas lighter for wick oil burners. 2,183,273; Dec. 12.
Baker, James W. (See Williams, O. M., Baker, and Butler.)
Baker, Leonard, Hillsdale, N. J., assignor to Dexter Folder Company, New York, N. Y. Sheet feeding apparatus. 2,183,128; Dec. 12.
Bakers & Confectioners Supply Co. of California. (See Drew, William F., assignor.)
Banks, George B., Chelmsford, England, assignor to Radio Corporation of America. Sound motion picture apparatus. 2,183,211; Dec. 12.
Bannister, Bryant, Mount Lebanon, Pa., assignor to National Tube Company. Mandrel bar. 2,182,910; Dec. 12.
Barbé, Edgar H., Santa Monica, Calif. Mobile ashtray. 2,183,419; Dec. 12.
Barber, Howard M., Pawcatuck, Conn., and H. J. Luehrs, assignors to C. B. Cottress & Sons Company, Westerly, R. I. Sheet delivery for printing presses. 2,183,212; Dec. 12.
Barmer Maschinenfabrik Aktiengesellschaft. (See Bochmann, Otto, assignor.)
Barnes, John A., Chappaqua, assignor to The Superheater Company, New York, N. Y. Superheater boiler. 2,182,782; Dec. 12.
Barnes, John A., Chappaqua, assignor to The Superheater Company, New York, N. Y. Superheater boiler. 2,182,783; Dec. 12.
Barnhart, Job R., Lakewood, Ohio. Measuring instrument. 2,183,180; Dec. 12.
Barnicoat, Harold R., Kingston-on-Thames, assignor to Simmonds Development Corporation Limited, London, England. Fastening device for covers and the like. 2,183,440; Dec. 12.
Barnsdale, Frederick H., Bristol, assignor to A. Redler, Stroud, England. Apparatus for treating loose flowable material. 2,183,274; Dec. 12.
Batcheller, Hugh W., Newton, assignor to Standard Mfg. Co., Worcester, Mass. Electric switch. 2,182,937; Dec. 12.
Bay State Optical Company. (See Nerney, George E., assignor.)
Bayer, Abraham H., Schenectady, assignor to Joe Lowe Corporation, New York, N. Y. Frozen confectionery product and making the same. 2,182,784; Dec. 12.
Bayerische Stickstoff-Werke Actiengesellschaft. (See Franck, H. H., and Kaess, assignors.)
Bayliss, Milward, Hurlock, Md., and J. L. Wilson, St. Paul, and E. J. Ordal, Minneapolis, assignors to Economics Laboratory Inc., St. Paul, Minn. Germicidal detergent. 2,183,037; Dec. 12.
Beane, Frank R., et al. (See Madigan, John F., assignor.)
Beaubien, Arthur N., Agassiz, British Columbia, Canada. Dishwashing machine. 2,182,978; Dec. 12.
Becker, George L. (See Stutsman, Ohmer E.)
Becker, Frederick P., Chicago, Ill. Hydraulic shock absorber. 2,183,003; Dec. 12.
Beckert & Co., Drahtstifte-, Schrauben- und Stahlindustrie-Aktiengesellschaft. (See Meersteiner, Johann, assignor.)
Beggs, Ray P., assignor to G. W. Hassell, Oklahoma City, Okla. Metallic ladder. 2,183,251; Dec. 12.
Behne, Rudolf. (See Flechsig, W., and Behne.)
Behr, Gustave E., assignor to National Lead Company, New York, N. Y. Purification of lead and alloys thereof. 2,183,420; Dec. 12.
Beliaeff, Stephen B., Malverne, N. Y. Hair waving or curling device. 2,183,275; Dec. 12.
Bell Telephone Laboratories, Incorporated. (See Bjornson, Bjorn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Davey, J. R., and Hysko, assignors.)
Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hochgraf, Lester, assignor.)
Bell Telephone Laboratories, Incorporated. (See Lunsford, Robert L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Reynolds, Frederick W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Riesz, Robert R., assignor.)
Bell Telephone Laboratories, Incorporated. (See St. John, Everett, assignor.)
Bemis and Call Company. (See Pond, Kenneth H., assignor.)
Bencowitz, Isaac. (See Bacon, R. F., and Bencowitz.)
Bendix-Westinghouse Automotive Air Brake Company. (See Johnson, Stephen, Jr., assignor.)
Benner, Roland G. (See Henke, C. O., Douglass, and Benner.)
Bennett, Frank W., Decatur, Ga., dedicated the free use of the People of the United States of America. Fire mat. 2,183,113; Dec. 12.
Bennett, Grattan G., Heber, Calif. Loading machine. 2,182,838; Dec. 12.
Bennett, James A. J., Genista, Newton Mears, Renfrew, Scotland, assignors, by mesne assignments, to Autogrio Company of America. Rotative sustaining wing for aircraft. 2,183,158; Dec. 12.
Bentz, George B., Bronx, N. Y. Vanity or similar attachment for bathtubs. 2,183,441; Dec. 12.
Bernitt, Charles E. (See McKee, G. K., and Bernitt.)
Berst-Forster-Dixfield Co. (See Rahe, Samuel E., assignor.)
Bethlehem Steel Company. (See Schenck, Charles, assignor.)
Bethlehem Steel Company. (See Tesseyman, J. E., and Miller, assignors.)
Beyerline, George, Los Angeles, Calif. Clutch pulley. 2,182,956; Dec. 12.
Biggert, Florence C., Jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Vertical edging mill. 2,183,388; Dec. 12.
Binder, Richard, and H. Klein, Schweinfurt, Germany. Hydraulic shock absorber for vehicles. 2,183,129; Dec. 12.
Binder, Richard, Schweinfurt, Germany. Disk coupling provided with vibration absorbers. 2,183,130; Dec. 12.
Biner, George M., Phoenix, Ariz. Bottle labeling machine. 2,182,785; Dec. 12.
Binley, Noble O. (See Skok, A., and Binley.)
Bird & Son. (See Guise, Edwin R., assignor.)
Birnbaum, Joseph, Vienna, Austria, assignor to Manhattan Lubricants Co. Inc., Brooklyn, N. Y. Composition for application to pulleys and the like. 2,182,774; Dec. 12.
Birr, Rudolph G., Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 2,183,252; Dec. 12.
Birtman Electric Company. (See Sparklin, Charles H., assignor.)
Bjornson, Bjorn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating circuit. 2,183,389; Dec. 12.
Black-Clawson Company, The. (See Mehaffey, James B., assignor.)
Black, Walter G., Oakland, and C. L. Brewster, La Habra, assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Rotary machine. 2,182,938; Dec. 12.
Blackwell, Herbert H., Roanoke, Va. Electric vacuum shaver. 2,183,442; Dec. 12.
Blair, Russell M. (See Jarvis, K. W., and Blair.)
Blake, Joseph H., Seattle, Wash. Dispenser for collapsible tubes. 2,183,060; Dec. 12.
Blanck, Joseph T., Baltimore, Md. Game. 2,182,957; Dec. 12.
Blechman, Irving, Bronx, N. Y. Receptacle. 2,183,131; Dec. 12.
Blumlein, Alan D., and E. A. Nind, Ealing, London, assignors to Electric & Musical Industries, Limited, Hayes, Middlesex, England. Television and like transmitting system. 2,182,839; Dec. 12.
Bochmann, Otto, Remscheid-Lennep, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmen, Germany. Cam follower. 2,183,061; Dec. 12.
Bode, Harold E., Chicago, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Mordant and making same. 2,183,390; Dec. 12.
Boeing Aircraft Company. (See Haberlin, John F., assignor.)
Boehringer, C. F., & Soehne G. m. b. H. (See Hanusch, Fritz, assignor.)
Bohme Fettchemie-Gesellschaft m. b. H. (See von Lippmann, Ernst, assignor.)
Bonapace, Pietro, Piscataway Township, Middlesex County, N. J. Meat chopper. 2,183,114; Dec. 12.
Bond, Sherman G., Wichita, Kans. Tire pressure signal. 2,183,089; Dec. 12.
Booge, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of titanium concentrates. 2,183,365; Dec. 12.
Bookwalter, Frank L., Versailles, Ohio. Rotary seed cleaner. 2,183,511; Dec. 12.
Boone, Marvin C., Jackson, Miss. Milk crate. 2,183,090; Dec. 12.
Boone, William B., Florence, S. C. Car replacer. 2,183,181; Dec. 12.
Borg-Warner Corporation. (See Zeidler, Reinhold C., assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Manz, F., and Rosenfelder, assignors.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Volt, W., and Janssen, assignors.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Weber, J., and Heinrich, assignors.)

Bössner, Franz, and C. Marischka, Vienna, Austria. Converting gases containing carbon monoxide. 2,183,301; Dec. 12.
Boston Woven Hose & Rubber Company. (See Scott, Ephriam J., assignor.)
Bottoms, Robert R., assignor to The Girdler Corporation, Louisville, Ky. Air conditioning method. 2,183,132; Dec. 12.
Boucher, Frank G., Houston, Tex., assignor to Standard Oil Development Company. Multiple gravity meter. 2,183,115; Dec. 12.
Bouldin, Belle, et al. (See Atkins, Lawrence R.)
Bowman, Louis G., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Forming seams. 2,182,911; Dec. 12.
Boyd, Donald A., Detroit, Mich. Seal. 2,183,004; Dec. 12.
Boyd, Donald A., Detroit, Mich. Seal. 2,183,005; Dec. 12.
Boyd, Donald A., Detroit, Mich. Seal. 2,183,006; Dec. 12.
Bracker, Charles E., New York, N. Y. Book toy. 2,183,443; Dec. 12.
Bradley, Guy H., Pleasant Ridge, assignor to Wolverine Tube Company, Detroit, Mich. Centering device for extruding presses. 2,183,182; Dec. 12.
Bradner, Donald B. (See Rentschler, M. J., and Bradner.)
Brady, Francis E., Connersville, Ind. Fluid pressure system. 2,183,421; Dec. 12.
Brandon, Alfred E., New York, N. Y. Boat for exercises. 2,183,345; Dec. 12.
Bräuer, Ernst, Voigtsdorf in Riesengebirge, Germany. Relay. 2,182,912; Dec. 12.
Brauer, Gerhard, deceased, Berlin-Halensee, by R. Brauer and Magdalene, née Naumann, heirs, Luneburg, Haus Schwalbenberg, assignors to Fernseh A. G., Zehlendorf, near Berlin, Germany. Producing coatings of high ohmic resistance in the interior of vacuum tubes. 2,183,302; Dec. 12.
Brauer, Magdalene, née Naumann, et al. (See Brauer, Gerhard.)
Brauer, Richard, et al. (See Brauer, Gerhard and R.)
Brenner, George P., Milwaukee, Wis. Fitting artificial dentures. 2,183,512; Dec. 12.
Brewster, Charles L. (See Black, W. G., and Brewster.)
Brinkman, Earl W., assignor to Davenport Machine Tool Co., Inc., Rochester, N. Y. Automatic work forming machine. 2,182,939; Dec. 12.
Brinton, William H., Coatesville, Pa. Brooder. 2,183,472; Dec. 12.
Brown, John R., Cleveland Heights, assignor to The Reliance Gauge Column Company, Cleveland, Ohio. Boiler signal control. 2,183,422; Dec. 12.
Brubaker, Jacob E., assignor to The Hubley Manufacturing Company, Lancaster, Pa. Toy airplane. 2,182,913; Dec. 12.
Brussell, Jacob, New York, N. Y. Thread guiding device. 2,182,940; Dec. 12.
Bruzenak, Joseph G., New Britain, Conn. Toilet. 2,182,979; Dec. 12.
Bruzenak, Joseph G., New Britain, Conn. Toilet. 2,182,980; Dec. 12.
Buchanan, Leslie B. M., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus and method. 2,183,346; Dec. 12.
Buchhorn, Fred, New York, N. Y. Device adapted for cleansing pipes. 2,183,007; Dec. 12.
Buckeye Iron & Brass Works. (See Rike, Frederick F., assignor.)
Buda Company, The. (See Gormley, Frank L., assignor.)
Budd, Edward G., Manufacturing Company. (See Patton, John W., assignor.)
Budd Wheel Company. (See Farr, Warren H., assignor.)
Bullock, Giles E., Rochester, N. Y. Making cranks for bicycles, velocipedes, etc. 2,182,958; Dec. 12.
Bunn, B. H., Company. (See Bunn, Benjamin H., assignor.)
Bunn, Benjamin H., assignor to B. H. Bunn Company, Chicago, Ill. Tying machine. 2,182,959; Dec. 12.
Burgett, Lynn S., Euclid, assignor to Una Welding, Inc., East Cleveland, Ohio. Welding apparatus. 2,183,473; Dec. 12.
Burgmer, Josef, Wuppertal-Barmen, Germany. Manufacture of carbon paper. 2,183,474; Dec. 12.
Burk, Dwight L., Columbus, Ohio. Apparatus for indicating employment schedules. 2,183,183; Dec. 12.
Burns, Robert. (See Ritchie, P. D., Jones, and Burns.)
Burton, Andrew F., Washington, D. C. Medical and surgical apparatus. 2,183,318; Dec. 12.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Neutralized high frequency amplifier. 2,182,960; Dec. 12.
Butler, Benjamin F. (See Williams, O. M., Baker, and Butler.)
Butler, William H., Palisades Park, N. J., assignor to Bakelite Corporation, New York, N. Y. Oil resistant composition. 2,183,234; Dec. 12.
Butzbach, Orville K., and H. E. Churchill, assignors to The Studebaker Corporation, South Bend, Ind. Transmission. 2,183,485; Dec. 12.
Byrne, George J., Chicago, Ill. Combustion control system. 2,183,184; Dec. 12.
C M C Corporation. (See Moreno, Gabriel G., assignor.)
C-O-Two Fire Equipment Company. (See Allen, S. E., and Rennert, assignors.)
Callender, Albert, and A. B. Stevenson, Northwich, England, assignors to Imperial Chemical Industries Limited. Automatic control of variable physical characteristics. 2,183,235; Dec. 12.
Callin, Joseph J., Kendall Mills, and E. Shantz, Rochester, assignors to Copy Right Mfg. Corporation, New York, N. Y. Clamping means for copy holders. 2,183,276; Dec. 12.
Calorider Corporation, The. (See Downs, Charles R., assignor.)
Camp, Charles J., Palo Alto, Calif. Roofing clamp. 2,183,008; Dec. 12.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,183,303; Dec. 12.
Campbell, Julian A., Long Beach, and S. C. Carter, Los Angeles, Calif. Packing material. 2,183,347; Dec. 12.
Candee, Zenas P., Watertown, assignor to The Waterbury Farrell Foundry & Machine Company, Waterbury, Conn. Horizontal redraw press. 2,183,287; Dec. 12.
Capurro, Giuseppe, Union City, N. J. Ship bottom paint. 2,182,840; Dec. 12.
Carlisle, Bert, Santa Ana, Calif., Fountain pen. 2,183,213; Dec. 12.
Carlson, Gustav W., Cleveland Heights, and R. C. Russell, Shaker Heights, assignors to Eaton Manufacturing Company, Cleveland, Ohio. Lubrication system for automotive axles. 2,182,889; Dec. 12.
Carson, Benjamin R. (See Jones, N. R., and Carson.)
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Artificial horizon. 2,183,133; Dec. 12.
Carter, Samuel C. (See Campbell, J. A., and Carter.)
Case, Bernard C. (See Viers, E. D., and Case.)
Cash, A. W., Company. (See Terry, Charles M., assignor.)
Caudle, Jessie, Fort Worth, Tex. Attachment for sewing machines. 2,183,185; Dec. 12.
Celanese Corporation of America. (See Dreyfus, H., and Moncrieff, assignors.)
Chambers, Allison R., New Glasgow, Nova Scotia, Canada. Road construction. 2,183,253; Dec. 12.
Charlton, George, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve structure and method of forming. 2,183,254; Dec. 12.
Chason, Daniel H., Elizabeth, and F. A. Park, Jr., Westfield, assignors to The Singer Manufacturing Company, Elizabeth, N. J. All-metal power table for sewing machines. 2,183,366; Dec. 12.
Chervenka, George R. (See Albach, F., and Chervenka.)
Chesley, Walter R., Somerville, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich. Machine for feeding and shearing strip material. 2,183,159; Dec. 12.
Christensen, Oscar E., Salt Lake City, Utah. Boehm system clarinet. 2,183,423; Dec. 12.
Church, Walter L., Houston, Tex. Producing equipment for wells. 2,182,890; Dec. 12.
Churchill, Harold E. (See Burzbach, O. K., and Churchill.)
Cicin, Paul, Vienna, Austria. Double-sluice weir. 2,183,288; Dec. 12.
Claassen, Anthony F. P. J., and C. de Lange, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electrolytic cell. 2,183,091; Dec. 12.
Clark, George C., Beverly Hills, Calif. Mold material for casting metals. 2,183,424; Dec. 12.
Clark, Lee H., and J. F. Olin, Grosse, Ile, and C. W. Deibel, Wyandotte, Mich., assignors to The Sharples Solvents Corporation, Philadelphia, Pa. Manufacture of amines. 2,183,499; Dec. 12.
Clarkson, Ralph P., New Rochelle, N. Y. Anchor rail clip. 2,183,513; Dec. 12.
Clausing, George, Portsmouth, Ohio, Vulcan Corporation. Copying lathe. 2,183,134; Dec. 12.
Crawford, Bruce D., Grass Valley, Calif., assignor to American Cyanamid Company. Flotation of materials used in metallurgical processes. 2,183,500; Dec. 12.
Clay, Roy T., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Vernier control. 2,182,961; Dec. 12.
Cleveland Twist Drill Company, The. (See Emmons, Joseph V., assignor.)
Coates, Joseph S., Goshen, N. Y. Internal combustion engine. 2,183,116; Dec. 12.
Cobb, John L. (See Flynn, M. B., and Cobb.)
Cobbs, Hamilton Company. (See Hopkins, Horner H., assignor.)
Coddington, Howard O., assignor to Andrews Company, Spartanburg, S. C. Heddle construction. 2,182,914; Dec. 12.
Colbeth, Ivor M., East Orange, N. J., assignor to Baker Castor Oil Company, New York, N. Y. Treating liquids. 2,183,486; Dec. 12.
Colbeth, Ivor M., East Orange, N. J., assignor to The Baker Castor Oil Company, New York, N. Y. Breaking emulsions. 2,183,487; Dec. 12.
Cole, Joseph, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil. 2,183,009; Dec. 12.
Coleman, Gerald H., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Hydroxy-alkyl ethers of benzophenone. 2,182,786; Dec. 12.

Colliery Engineering Limited. (See Ridley, Frank F., assignor.)
Collins, Douglas, Salisbury, N. C. Throttle and starter control mechanism. 2,182,787; Dec. 12.
Collins, Douglas, Salisbury, N. C. Auxiliary control for hydraulic brakes. 2,183,444; Dec. 12.
Collins Radio Company. (See Craft, Liva M., assignor.)
Collins, S. B. (See Achatz, John, assignor.)
Colonial Earphone Co. Inc. (See Franzblau, Joseph M., assignor.)
Conklin, Edward J., Bridgeport, Conn. Safety push button knife. 2,183,378; Dec. 12.
Connecticut Web and Buckle Company, The. (See Oliver, Lee, assignor.)
Connolly, Frederick W., Washington, D. C. Invalid chair. 2,182,915; Dec. 12.
Conrad, Frank, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alternating-current direct-current clock. 2,183,062; Dec. 12.
Consortium Fuer Elektrochemische Industrie G. m. b. H. (See Sixt, Johann, assignor.)
Constantine, Arthur R., and M. W. Kenney, River Forest, assignors, by mesne assignments, to William C. Grunow, Chicago, Ill. Refrigerator. 2,182,962; Dec. 12.
Container Corporation of America. (See Van Saun, Raymond H., assignor.)
Conterman, Bruce L., Central Square, N. Y. Fishing line clamp. 2,183,445; Dec. 12.
Copy Right Mfg. Corporation. (See Callin, J. J., and Shantz, assignors.)
Corn Products Refining Company. (See Bode, Harold E., assignor.)
Cornell, Edward S., Jr., Larchmont, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Cooling thermal medium. 2,182,788; Dec. 12.
Cotanch, Earl F., Los Angeles, Calif. Compensating support for driving mechanisms. 2,182,789; Dec. 12.
Cotter, Patrick J., Long Island City, and M. D'Onofrio, Richmond Hill, N. Y. Rod bending apparatus. 2,183,329; Dec. 12.
Cottrell, C. B., & Sons Company. (See Barber, H. M., and Luehrs, assignors.)
Cottrell, C. B., & Sons Company. (See Luehrs, Hans J., assignor.)
Coulter, Clarence D., Los Angeles, and E. R. Cox, Huntington Park, assignors to Southwestern Engineering Company, Los Angeles, Calif. Heat exchanger. 2,183,160; Dec. 12.
Cox, Edwin R. (See Coulter, C. D., and Cox.)
Coxe, Charles D., Youngstown, Ohio. Direct rolling of hot metal. 2,183,010; Dec. 12.
Craft, Liva M., assignor to Collins Radio Company, Cedar Rapids, Iowa. Distortion reducing system for grid-modulated amplifier. 2,182,790; Dec. 12.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,183,161; Dec. 12.
Crosley Corporation, The. (See Money, Roland H., assignor.)
Culbertson, George A., Verona, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,183,162; Dec. 12.
Cummings, John, assignor to Highway Trailer Company, Edgerton, Wis. Auxiliary brake apparatus for semi-trailer vehicles. 2,182,941; Dec. 12.
Cummins Perforator Company. (See Swanson, Hjalmar A., assignor.)
Curtiss-Wright Corporation. (See Clay, Roy T., assignor.)
Czapek, Emil, Berlin, Germany, assignor to Guaranty Trust Company of New York, New York, N. Y. Apparatus for the manufacture of cellulose film or foil webs and the like. 2,183,255; Dec. 12.
Dahl, Otto, Berlin-Wilmersdorf, and H. Dallmann, Berlin-Karlshorst, Germany, assignors to General Electric Company. Aluminum base alloy. 2,183,391; Dec. 12.
Dall'Asta, Ernesto, Lima, Peru. Apparatus for lifting or propelling aircraft. 2,183,186; Dec. 12.
Dallmann, Herbert. (See Dahl, O., and Dallmann.)
Dalmer, Otto, and C. Diehl, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J. Carbocyclic hydroxyl alcohol esters of N-alkyl-piperidine-carboxylic acid. 2,182,791; Dec. 12.
Dalmer, Otto, and C. Diehl, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J. Carbocyclic hydroxyl alcohol esters of N-alkyl-piperidine-carboxylic acid. 2,182,792; Dec. 12.
Daniel, Karl, Cologne-Sulz, Germany. Sound record carrier. 2,183,117; Dec. 12.
Danz, Harry O. (See Pfeffer, H. W., and Danz.)
Dartmouth College, Trustees of. (See Ogle, Kenneth N., assignor.)
Daub, Rudolph, Paterson, N. J., assignor to Wright Aeronautical Corporation. Radial engine valve gear. 2,183,011; Dec. 12.
Davenport, Granger. (See Zimmermann, W. F., and Davenport.)
Davenport Machine & Tool Co. (See Brinkman, Earl W., assignor.)
Davey, James R., Kew Gardens, N. Y., and J. L. Hysko, Ridgewood, N. J., assignors, to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reduction of distortion in signal transmission systems. 2,182,841; Dec. 12.
Davidson, William D., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Rotary machine and bushing therefor. 2,182,793; Dec. 12.
Davidson, William D., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Rotary machine. 2,183,012; Dec. 12.
Davis, Charles, Neuilly-sur-Seine, France. Apparatus for forming extrusion containers. 2,183,304; Dec. 12.
Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,183,013; Dec. 12.
Davis, Jay U., Maquon, Ill. Squaring and beveling tool. 2,183,446; Dec. 12.
Dawson, George A., Stelton, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Photographic elements containing antihalation layers. 2,182,794; Dec. 12.
Day, J. H., Company, The. (See Mason, Erwin S., assignor.)
Day, Louis J., Floral Park, N. Y. Surface drain. 2,183,446; Dec. 12.
De Boer, Jan H. (See Addink, N. W. H., and de Boer.)
De Cozen, Alfred. (See Fow, Raymond S. C., assignor.)
Deibel, Charles W. (See Clark, L. H., Olin, and Deibel.)
De Lange, Cornelis. (See Claassen, A. F. P. J., and de Lange.)
De Lange, Cornelis, and A. J. J. Lambeck, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electrolytic condenser and making the same. 2,183,092; Dec. 12.
De Lassus Saint Genies, Anne H. J., Versailles, France. Obtaining color photographs. 2,183,305; Dec. 12.
De Lisle, Harold L., Two Rivers, Wis. Drawing parallel lines. 2,183,214; Dec. 12.
Del-Mac Shoe Process Corporation, The. (See Quinn, Edward, assignor.)
Del Orsinee, Ricardo M., Chicago, Ill. Ashtray. 2,182,916; Dec. 12.
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding process. 2,182,796; Dec. 12.
Dentler, Arnold E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,182,917; Dec. 12.
Detroit Lubricator Company. (See Duffield, George B., assignor.)
Detroit Lubricator Company. (See Wile, Daniel D., assignor.)
Dexter Folder Company. (See Baker, Leonard, assignor.)
Dexter Folder Company. (See Kast, Edward R., assignor.)
Diamond Match Company, The. (See Roberts, William, assignor.)
Diehl, Claus. (See Dalmer, O., and Diehl.)
Diels, Kurt. (See Roosenstein, H. O., and Diels.)
Dietrich, Johannes G., Berlin-Tempelhof, Germany. Animal figure. 2,183,306; Dec. 12.
Dillon, Stephen V., Tulsa, Okla. Gripping and coupling means. 2,182,797; Dec. 12.
Dinzl, Richard W. (See Stillman, E. A., and Dinzl.)
Diot, Edouard L., Neuilly-sur-Seine, France. Container. 2,183,093; Dec. 12.
Diot, Edouard L., Neuilly-sur-Seine, France. Hollow article formed of flexible strip material. 2,183,475; Dec. 12.
Dippel, Cornelis J., R. J. H. Alink, and K. J. Keuning, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Light-sensitive material and making the same. 2,183,447; Dec. 12.
Distillers Company Limited, The. (See Auden, H. A., Staudinger, and Hutchinson, assignors.)
Distillers Company Limited, The. (See Staudinger, Hanns P., assignor.)
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car construction. 2,183,307 Dec. 12.
Dodder, Mae E., Colton, Calif. Insect exterminator. 2,182,863; Dec. 12.
D'Onofrio, Marcy. (See Cotter, P. J. and D'Onofrio.)
Dooley, Edward F., Hutchinson, Kans. Well casing. 2,183,308; Dec. 12.
Dorf, Simon, Brooklyn, N. Y. Window guard. 2,183,135; Dec. 12.
Dorsey, Leonard E., Coatesville, Pa. Penmanship correcting and analyzing ruler. 2,183,063; Dec. 12.
Douglass, William A. (See Henke, C. O., Douglass, and Benner.)
Dow Chemical Company, The. (See Amos, James L., assignor.)
Dow Chemical Company, The. (See Coleman, G. H., and Moyle, assignors.)
Dow Chemical Company, The. (See Freeman, Richard D., assignor.)
Dow Chemical Company, The. (See Moyle, Clarence L., assignor.)
Dow Chemical Company, The. (See Reilly, John H., assignor.)
Dow Chemical Company, The. (See Smith, Frank B., assignor.)
Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Line resonator and electron discharge device circuit therefor. 2,183,215; Dec. 12.
Downs, Charles R., Old Greenwich, assignor, by mesne assignments, to The Calorider Corporation, Greenwich, Conn. Method and apparatus for conditioning air. 2,183,136; Dec. 12.

Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail fissure detector. 2,182,817; Dec. 12.
Drane, Phillips B., Tulsa, Okla. Relief valve for tanks. 2,183,448; Dec. 12.
Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Packaging and resulting articles. 2,183,330; Dec. 12.
Drew, William F., assignor to Bakers & Confectioners Supply Co. of California, Los Angeles, Calif. Bake Oven. 2,183,236; Dec. 12.
Dreyfus, Henry, London, and R. W. Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of textile and other materials. 2,182,963; Dec. 12.
Dreyfus, Henry, London, and R. W. Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of textile and other materials. 2,182,964; Dec. 12.
Drost, Roy W. (See Drost, William H. and R. W.)
Drost, William H. and R. W., Portland, Oreg. Liquid seal for shafts. 2,182,981; Dec. 12.
Duffield, George B., assignor to Detroit Lubricator Company, Detroit, Mich. Closure. 2,183,488; Dec. 12.
Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Henke, C. O., Douglass, and Benner, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See McAlevy, Ambrose, assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, I., and Smith, assignors.)
Du Pont Film Manufacturing Corporation. (See Dawson, George A., assignor.)
Du Pont Film Manufacturing Corporation. (See Marasco, Martin, assignor.)
Du Pont Film Manufacturing Corporation. (See Meddleton, E. B., and Jennings, assignors.)
Earl, William, Brooklyn, and G. W. Fleischman, Astoria, assignors to E. R. Squibb & Sons, New York, N. Y. Applying films. 2,183,064; Dec. 12.
Eastman Kodak Company. (See Hasche, Rudolph L., assignor.)
Eastman, Lester S., Worcester, Mass. Device for sharpening picker teeth. 2,183,348; Dec. 12.
Eaton Manufacturing Company. (See Carlson, G. W., and Russell, assignors.)
Eaton Manufacturing Company. (See Charlton, George, assignor.)
Eaton Manufacturing Company. (See Viers, E. D., and Case, assignors.)
Eckert, Wilhelm, and K. Schilling, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Chromable dyestuffs of the triarylmethane series. 2,183,237; Dec. 12.
Economics Laboratory Inc. (See Bayliss, M., Wilson, and Ordal, assignors.)
Edman, Olof. (See Gabrielson, John B., assignor.)
Ehlert, Arthur W., and T. R. Fouts, assignors to Unique Knitting Company, Acworth, Ga. Knitting machine. 2,183,216; Dec. 12.
Eikel, Karl C., Chicago, Ill., assignor to Armour and Company. Meat treatment. 2,182,891; Dec. 12.
Electric & Musical Industries Limited. (See Blumlein, A. D., and Nind, assignors.)
Electric Storage Battery Company, The. (See Rabl, Max, assignor.)
Electrical Research Products, Inc. (See Martin, Otis C., assignor.)
Ellis, Daniel F. (See Jordan, J. D., Ellis, and Preston.)
Ellis, Daniel F. (See Preston, C. W., Ellis, and Jordan.)
Ellis, Preston W. (See Jenkins, William R., assignor.)
Emmons, Joseph V., Shaker Heights, assignor to The Cleveland, Twist Drill Company, Cleveland, Ohio. Ferrous alloy composition. 2,183,014; Dec. 12.
Emsco Derrick & Equipment Company. (See Black, W. G., and Brewster, assignors.)
Emsco Derrick & Equipment Company. (See Davidson, William D., assignor.)
Emsco Derrick & Equipment Company. (See Whann, Rural W., assignor.)
Equitable Paper Bag Co. Inc. (See Poppe, George W., assignor.)
Erdmann, Konrad, Radenthein, Germany, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Converting magnesium dust into compact metallic magnesium. 2,183,392; Dec. 12.
Ericson, Alfred G. (See Granberg, B. R., and Ericson.)
Evans, Charles J. and S. C., Lowestoft, England. Electromagnetically operated switch for use in motor vehicle headlight dipping arrangements. 2,183,449; Dec. 12.
Evans, John, Indiana Harbor, Ind. Four-way valve mechanism. 2,182,982; Dec. 12.
Evans, Stanley C. (See Evans, Charles J., and S. C.)
Everett, Edward A., Long Island City, N. Y., assignor to Matthew H. Loughridge, Bogota, N. J. Electric bond for rail joints. 2,182,798; Dec. 12.
Fageol, Rollie B., Beverly Hills, Calif. Smoker's accessory. 2,183,425; Dec. 12.
Fairlie, William A. (See Steinhoff, John, assignor.)
Falk Corporation, The. (See Schmitter, Walter P., assignor.)
Farmer, John F., Indianapolis, Ind. Adjustable grille. 2,183,331; Dec. 12.
Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Heat treating machine tool. 2,182,799; Dec. 12.
Faultless Manufacturing Company, The. (See Hardie, H., and Hargreaves, assignors.)
Fedders Manufacturing Company. (See Smith, Lawrence C., assignor.)
Feller, Edmond J., Madison, Wis. Combined weather strip and window guide. 2,183,476; Dec. 12.
Fenske, Merrell R., State College, and W. B. McCluer, Bradford, Pa., assignors to Pennsylvania Petroleum Research Corporation. Apparatus and process for flashing mineral oils. 2,183,094; Dec. 12.
Ferguson, John H., Grandville, Mich. Safety attachment for punch presses. 2,182,918; Dec. 12.
Fernsch Aktien-Gesellschaft. (See Flechsig, W., and Behne, assignors.)
Feykert, Peter J., San Francisco, Calif. Ornamental panel supporting molding. 2,183,065; Dec. 12.
Fields, Arthur B., Portland, Oreg. Two-wheel hand cart. 2,183,066; Dec. 12.
Filangeri, Domenico, Brooklyn, N. Y. Facing unit. 2,183,450; Dec. 12.
Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)
Firth, Cyril, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Forming machine roll. 2,182,842; Dec. 12.
Fischer, George, Glendale, N. Y. Collapsible boat. 2,183,137; Dec. 12.
Flako Products Corporation. (See McCallum, Arthur, assignor.)
Flechsig, Werner, Berlin-Charlottenburg, and R. Behne, Berlin-Lichterfelde, assignors to the firm of Fernseh Aktien-gesellschaft, Zehlendorf, near Berlin, Germany. Electron multiplier. 2,183,309; Dec. 12.
Fleischhauer, Richard, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Monoazo dyestuffs. 2,183,489; Dec. 12.
Fleischman, George W. (See Earl, W., and Fleischman.)
Fleming, Samuel H., Washington, D. C. Comparing device. 2,183,095; Dec. 12.
Flodin, John, Washington, D. C. Automatic braking means for hoisting devices. 2,182,800; Dec. 12.
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Hydraulically operated cylindrical grinding machine. 2,183,490; Dec. 12.
Flynn, Mortimer B., and J. L. Cobb, Chicago, Ill. Shoe. 2,182,843; Dec. 12.
Food Machinery Corporation. (See Matthews, Vinton H., assignor.)
Ford, David O., assignor of one-half to J. M. Hanson, Colonial Heights, Va. Match holder. 2,183,096; Dec. 12.
Fors, Eric H., St. Albans, England, assignor to Morgan Construction Company, Worcester, Mass. Seal. 2,182,892; Dec. 12.
Förster, Friedrich, Berlin-Wilmersdorf, Germany. Arched roof construction. 2,183,451; Dec. 12.
Foster, Nathaniel L. (See Sipe, Harry E., assignor.)
Foulds, Neil M., assignor to Frantz Manufacturing Co., Sterling, Ill. Truss construction. 2,183,015; Dec. 12.
Fouts, Thurston R. (See Ehlerb, A. W., and Fouts.)
Fow, Raymond S. C., assignor to A. De Cozen, Newark, N. J. Vehicle lifting jack. 2,183,367; Dec. 12.
Franck, Hans H., Berlin-Charlottenburg, and F. J. Kaess, Neubabelsberg, assignors to Bayerische Stickstoff-Werke Actiengesellschaft, Berlin, Germany. Producing a phosphatic fertilizer soluble in citric acid. 2,183,379; Dec. 12.
Frank, William H., Detroit, Mich. Overload protective switch. 2,182,864; Dec. 12.
Frantz Manufacturing Co. (See Foulds, Neil M.)
Frantz, Walter A., Shaker Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Operating handle for electrically driven tools. 2,183,310; Dec. 12.
Franzblau, Joseph M., Brooklyn, assignor to Colonial Earphone Co. Inc., New York, N. Y. Acoustical device. 2,182,865; Dec. 12.
Frazier, Philip A., Oak Park, Ill. Binding books. 2,182,801; Dec. 12.
Frazier, Philip A., Oak Park, Ill. Making printing plates and the product thereof. 2,182,802; Dec. 12.
Freeman, Louis G., Jr., assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Die. 2,183,038; Dec. 12.
Freeman, Louis G., Company, The. (See Freeman, Louis G., Jr., assignor.)
Freeman, Richard D., assignor to The Dow Chemical Company, Midland, Mich. Recovering cellulose ethers from coated paper. 2,183,039; Dec. 12.
Freeman, Robert J., Atlanta, Ga. Control device for dispensing mechanism. 2,183,187; Dec. 12.
French, George F., Manchester, England. Curtain suspension hook. 2,183,188; Dec. 12.
Fukuhara, Mitsuo, Tacoma, Wash. Vehicle signal and operation. 2,183,349; Dec. 12.
Furness, William H., assignor to American Rayon Company, Inc., Riverton, N. J. Finishing cotton yarn and the product thereof. 2,183,477; Dec. 12.

Gäbler, Kurt, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photoelectric cell. 2,183,256; Dec. 12.

Gabrielson, John B., assignor of one-half to O. Edman, Stockholm, Sweden. Multicylinder internal combustion engine. 2,182,866; Dec. 12.

Gardner, Leah L., University City, Mo. Billfold. 2,182,867; Dec. 12.

Gardner, Vern, assignor of one-fourth to H. E. Wallace, Salt Lake City, Utah. Electric plug. 2,183,067; Dec. 12.

Garlinghouse, Leslie H., Los Angeles, Calif. Hopper construction. 2,182,893; Dec. 12.

Gaspar, Béla, Brussels, Belgium. Process and material for producing three-color photographs and cinematographic pictures on a transparent film. 2,183,393; Dec. 12.

Gaspar, Béla, Brussels-Forest, Belgium. Photographic material and the production of multicolor pictures. 2,183,394; Dec. 12.

Gaspar, Béla, Brussels-Forest, Belgium. Light-sensitive material for producing photographic dye images. 2,183,395; Dec. 12.

Gee, Norman E., Altoona, Pa. Flexible drive. 2,182,803; Dec. 12.

Gee, Norman E., Narberth, Pa. Flexible drive. 2,182,942; Dec. 12.

Geigy, J. R., A. G. (See Senn, Emil, assignor.)

General Aniline Works, Inc. (See Eckert, W., and Schilling, assignors.)

General Aniline Works, Inc. (See Fleischhauer, Richard, assignor.)

General Door Company. (See Laufersweiler, William J., assignor.)

General Electric Company. (See Alterthum, H., Lompe, and Wiegand, assignors.)

General Electric Company. (See Alterthum, H., and Lompe, assignors.)

General Electric Company. (See Dahl, O., and Dallmann, assignors.)

General Electric Company. (See Greer, Lanier, assignor.)

General Electric Company. (See Grunschneder, Johann, assignor.)

General Electric Company. (See Hehlgans, Friedrich W., assignor.)

General Electric Company. (See Morrill, Wayne J., assignor.)

General Electric Company. (See Schiebeler, Karl, assignor.)

General Electric Company. (See Sledd, Marvin B., assignor.)

General Electric Company Limited, The. (See Smithells, Colin J., assignor.)

General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)

General Household Utilities Company. (See Jordan, J. D., Ellis, and Preston, assignors.)

General Household Utilities Company. (See Preston, C. W., Ellis, and Jordan, assignors.)

General Motors Corporation. (See Iseler, Charles W., assignor.)

General Motors Corporation. (See Rippingille, Edward V., assignor.)

General Motors Corporation. (See Schjolin, Eric O., assignor.)

General Motors Corporation. (See Schweller, Sylvester M., assignor.)

General Motors Corporation. (See Werner, Calvin J., assignor.)

General Motors Corporation. (See Wolfram, William S., assignor.)

Genest, Homer A., Danbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Machine for shrinking hat bats. 2,183,238; Dec. 12.

Genschow, Gustav & Co. Aktiengesellschaft. (See Vollmer, Heinrich, assignor.)

Germain, Albert, Haverhill, Mass. Plating machine. 2,182,943; Dec. 12.

Gerow, Estelle C., Norfolk, Va. Combination coat hanger and clothes support. 2,183,319; Dec. 12.

Gerrard Industries Limited. (See Willcox, Thomas W. J., assignor.)

Gibbs, James T., and W. P. Young, Sweetwater, Tenn. Air conditioner for automobiles, buses, and the like. 2,183,452; Dec. 12.

Gilbert, Charles E., New York, N. Y. Electrical connector. 2,183,016; Dec. 12.

Girdler Corporation, The. (See Bottoms, Robert R., assignor.)

Gleason Works. (See Wildhaber, Ernest, assignor.)

Gledhill, Edward C. and W. E., Gallon, and G. W. Newell, Carey, Ohio, and H. H. Miller, Clermont, Ind., assignors to The Gledhill Road Machinery Company, Galion, Ohio. Dust hazard eliminator. 2,183,097; Dec. 12.

Gledhill, Edward C., Galion, Ohio. Road miller. 2,183,098; Dec. 12.

Gledhill Road Machinery Company, The. (See Gledhill, Edward C. and W. E., Newell, and Miller, assignors.)

Gledhill, William E. (See Gledhill, Edward C. and W. E., Newell, and Miller.)

Goddard, Robert H., Roswell, N. Mex. Steering aircraft. 2,183,311; Dec. 12.

Goddard, Robert H., Roswell, N. Mex. Fuel storage and discharge apparatus. 2,183,312; Dec. 12.

Goddard, Robert H., Roswell, N. Mex. Combustion chamber for aircraft. 2,183,313; Dec. 12.

Goddard, Robert H., Roswell, N. Mex. Gyroscopic apparatus for directing flight. 2,183,314; Dec. 12.

Goessling, Gerald A., Webster Groves, Mo. Pencil bushing and clip. 2,183,350; Dec. 12.

Goldberg, Harry H., Denver, Colo. Weather strip. 2,182,983; Dec. 12.

Goldberg, Jacob M., Denver, Colo. Film rewind device. 2,182,944; Dec. 12.

Goldhammer, Leo, Munich, Germany, assignor by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Motion picture camera. 2,183,068; Dec. 12.

Goldsmith, Alfred N., New York, N. Y. Production of still or motion pictures. 2,183,217; Dec. 12.

Goodman Manufacturing Company. (See Sloane, William, W., assignor.)

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Eyeleting machine. 2,183,069; Dec. 12.

Gordon, William R., assignor to The Atwood Machine Company, Stonington, Conn. Spindle stop motion. 2,183,239; Dec. 12.

Gormley, Frank L., Chicago, assignor to The Buda Company, Harvey, Ill. Hydraulic nozzle tester. 2,183,189; Dec. 12.

Gould & Eberhardt. (See Zimmermann, William F., assignor.)

Gould & Eberhardt. (See Zimmermann, W. F., and Davenport, assignors.)

Graham-Paige Motors Corporation. (See Kishline, Floyd F., assignor.)

Granacher, Hugo. (See Lehr, E., and Granacher.)

Granberg, Bengt R., and A. G. Ericson, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Gearing. 2,183,514; Dec. 12.

Grant, Edmund G., Pasadena, Calif. Boat. 2,183,017; Dec. 12.

Grasberger, Boniface A., Richmond, Va. Hen nest. 2,183,320; Dec. 12.

Greenberg, David X., et al. (See Vanderpool, Earl L., assignor.)

Greer, Lanier, Erie, Pa., assignor to General Electric Company. Dynamo-electric machine. 2,183,396; Dec. 12.

Grieshaber, Eugene. (See Prensky, H. N., and Grieshaber.)

Griesedieck, William A., St. Louis, Mo. Leg brace for folding tables. 2,183,070; Dec. 12.

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Combined soil, waste, and vent unit. 2,183,040; Dec. 12.

Grumbacher, Walter, assignor to Spiral Binding Co. Inc., New York, N. Y. Machine for making a spirally bound sheaf. 2,182,844; Dec. 12.

Grunow, William C. (See Constantine, A. R., and Kenney, assignors.)

Grünschneder, Johann, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Dynamo-electric machine. 2,183,397; Dec. 12.

Guaranty Trust Company of New York. (See Czapek, Emil, assignor.)

Guise, Edwin R., Norwood, assignor to Bird & Son, Inc., East Walpole, Mass. Floor covering insert. 2,183,041; Dec. 12.

Gulf Research & Development Company. (See Kemler, Emory N., assignor.)

Gunn, Earl G., Jackson, Mich., assignor to Walker Manufacturing Company, Racine, Wis. Exhaust silencer. 2,182,945; Dec. 12.

Guthrie, Robert G., and O. J. Wilbor, assignors to Peoples Gas By-Products Corporation, Chicago, Ill. Creating a dispersion of one fluid in another fluid. 2,183,071; Dec. 12.

Haas, Alvin, Peru, Ill. Jointer fence and the like. 2,183,190; Dec. 12.

Haase, Harold R., River Forest, Ill. Venetian blind. 2,182,804; Dec. 12.

Haase, Harold R., River Forest, Ill. Venetian blind. 2,183,289; Dec. 12.

Haase, Harold R., River Forest, Ill. Venetian blind. 2,183,290; Dec. 12.

Haberlin, John F., assignor to Boeing Aircraft Company, Seattle, Wash. Shielded flexible gun mount and ammunition container therefor. 2,182,868; Dec. 12.

Hacker, Henry J. (See Purvis, Joseph R., assignor.)

Hacmac, Edward R., assignor to Na-Mac Products Corporation, Hollywood, Calif. Beater and mixer. 2,182,984; Dec. 12.

Hagenbuch, Charles W., and F. A. McCoy, Kansas City, Mo., assignors to Sheffield Steel Corporation. Grinding ball. 2,182,805; Dec. 12.

Hagenbuch, Harry E., Oklahoma City, Okla. Draft control means for gas heaters. 2,183,099; Dec. 12.

Hainsworth, Arthur S., West Pittsburgh, assignor of one-third to J. V. Kaufmann, New Castle, one-sixth to J. H. Ritchie, and one-sixth to W. H. Ritchie, Pittsburgh, Pa. Automobile plate or tag. 2,182,919; Dec. 12.

Hall, Robert R., Garden City, N. Y. Connecting mechanism. 2,183,138; Dec. 12.

Halvorsen, Olaf, Chicago, Ill. Key case. 2,183,453; Dec. 12.

Hamilton Laboratories, Inc., The. (See Rentschler, M. J., and Bradner, assignors.)

Hammell, Kemper M., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Time controlled switch. 2,182,894; Dec. 12.

Hanson, Joseph M. (See Ford, David O., assignor.)

Hanson-Van Winkle-Mining Company. (See Todd, G., and Knight, assignors.)

Hanusch, Fritz, Heidelberg, assignor to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldorf, Germany. Separating ketones of the sterol series. 2,183,072; Dec. 12.

Hardle, Harry, and J. F. Hargreaves, assignors to The Faultless Manufacturing Company, Baltimore, Md. Garment band. 2,183,257; Dec. 12.

Hargreaves, John F. (See Hardie, H., and Hargreaves.)

Harilos, Tassos G., assignor to Baby Aids, Inc., New York, N. Y. Holder for nursing bottles. 2,183,332; Dec. 12.

Harman, James R., assignor to C. O. Porter Machinery Company, Grand Rapids, Mich. Power operated router. 2,183,258; Dec. 12.

Harris, Benjamin R., Chicago, Ill. Ore dressing. 2,182,845; Dec. 12.

Harris, Thaddeus S., Waverly, Ill. Deep well pump. 2,183,351; Dec. 12.

Hart, Fred V., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating upon soles. 2,182,806; Dec. 12.

Hart, Henry A., Bayside, N. Y. Display device. 2,183,426; Dec. 12.

Hart, Raymond S., Brooklyn, N. Y., assignor to Harry H. St. Clair, Montclair, N. J. Electronic discharge testing device and contactor. 2,183,333; Dec. 12.

Hartmann, Max, Rieben, near Basel, and A. Wettstein, Basel, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. 3-keto-cyclopentanopolyhydrophenanthrene. 2,182,920; Dec. 12.

Hasche, Rudolph L., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Production of amines. 2,182,807; Dec. 12.

Hassell, George W. (See Beggs, Ray P., assignor.)

Hasselquist, Hugo S., Oak Park, assignor to Rite-Rite Mfg. Co., Chicago, Ill. Mechanical pencil. 2,182,846; Dec. 12.

Haught, Thomas E., Boldman, Ky. Gate lock. 2,183,291; Dec. 12.

Havelet Corporation. (See Hoopes, Penrose R., assignor.)

Hehlgans, Friedrich W., Berlin-Hermsdorf, Germany, assignor to General Electric Company. Cathode ray tube. 2,183,398; Dec. 12.

Heidel, Walter C., Oak Park, Ill. Stepladder attachment. 2,183,191; Dec. 12.

Heilbecker, Eugene C., Bristol, R. I. Shoe with rubber or composition sole. 2,183,277; Dec. 12.

Heinrich, Hans. (See Weber, J., and Heinrich.)

Helsing, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra-short wave altimeter for aircraft. 2,183,399; Dec. 12.

Henderson, Albert, Edgewood Borough, assignor to William P. Witherow, Pittsburgh, Pa. Apparatus for making perforated angle bars. 2,183,018; Dec. 12.

Henderson, Eldon C., Paso Robles, Calif. Tire air pressure switch. 2,182,895; Dec. 12.

Henke, Clyde O., Wilmington, Del., W. A. Douglass, Penns Grove, and R. G. Benner, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenating mono nitrated phenols. 2,183,019; Dec. 12.

Henneberg, Walter, Berlin-Reinickendorf, and A. Recknagel, Berlin, assignors to Allgemeine Elektricitats-Gesellschaft Friedrich Karl, Berlin, Germany. Electrode structure. 2,182,869; Dec. 12.

Henriksen, Alfred. (See Lincoln, B. H., and Henriksen.)

Henry, Harry N., South Fort Mitchell, assignor to The Kelley-Koett Manufacturing Company, Inc., Covington, Ky. Slide support for X-ray heads. 2,182,985; Dec. 12.

Herbrand Corporation, The. (See Heschel, Eugene A., assignor.)

Hercules Powder Company. (See Sheffield, Donald H., assignor.)

Herrmann, Hanns R., Chicago, Ill., assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Method and apparatus for cutting and creasing. 2,183,400; Dec. 12.

Herter, Clarence M., West Branch, N. Y. Rotary beater. 2,182,921; Dec. 12.

Hertzberg Patents, Inc. (See Hertzberg, William, assignor.)

Hertzberg, William, assignor to Hertzberg Patents, Inc., New York, N. Y. Hair brush. 2,183,139; Dec. 12.

Herzig, Leonard A., Brooklyn, assignor, by mesne assignments, to Lon-Ga-Tone, Inc., New York County, N. Y. Glow lamp. 2,183,042; Dec. 12.

Heschel, Eugene A., assignor to The Herbrand Corporation, Fremont, Ohio. Producing a socket wrench head. 2,182,922; Dec. 12.

Hewson, Bertram T., North Kensington, London, England. Detachable heel. 2,183,218; Dec. 12.

Heywood-Wakefield Company. (See Hill, Oiva E., assignor.)

Highway Trailer Company. (See Cummings, John, assignor.)

Hill, Arnold M., Orange, assignor to National Oil Products Company, Harrison, N. J. Recovering and reusing constituents of waxed paper. 2,183,259; Dec. 12.

Hill, Henry C., Montclair, N. J., assignor to Wright Aeronautical Corporation. Ignition harness. 2,183,020; Dec. 12.

Hill, Oiva E., assignor to Heywood-Wakefield Company, Gardner, Mass. Reversible seat base. 2,183,021; Dec. 12.

Hixon, Alfred J., Braintree, Mass. Cable splice and the like. 2,182,896; Dec. 12.

Hochgraf, Lester, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cross-talk measuring and correcting apparatus. 2,183,140; Dec. 12.

Hofer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Phase displacement detector. 2,183,260; Dec. 12.

Hoge, John R., L. D. Soubier, and L. O. Mankin, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Method and automatic device for sealing glass block halves together. 2,182,986; Dec. 12.

Hoke, Frank J., Brendenwood, assignor to Holcomb & Hoke Manufacturing Company, Indianapolis, Ind. Illuminating means for signs and show cases. 2,183,352; Dec. 12.

Holcomb & Hoke Manufacturing Company. (See Hoke, Frank J., assignor.)

Holland Company. (See Holland, Cyrus J., assignor.)

Holland, Cyrus J., Chicago, Ill., assignor to Holland Company, Spring dampener. 2,183,100; Dec. 12.

Holland Electro N. V. (See Schenider, Frans L. G., assignor.)

Holleson, Henrik F. M., Copenhagen, Denmark. Device for electric welding. 2,183,219; Dec. 12.

Holmes, Ernest, Company. (See Holmes, Ernest W. and E. W., Jr., assignors.)

Holmes, Ernest W., Jr. (See Holmes, Ernest W. and E. W., Jr.)

Holmes, Ernest W. and E. W., Jr., assignors to Ernest Holmes Company, Chattanooga, Tenn. Automobile Towing device. 2,183,478; Dec. 12.

Holz, Frank, Bristol, Conn. Casting mold. 2,182,808; Dec. 12.

Hönger, Guido, Geneva, assignor to Méfina S. A., Binningen, Switzerland. Safety device for projectile fuses. 2,183,073; Dec. 12.

Hooker Electrochemical Company. (See Stuart, Kenneth E., assignor.)

Hoopes, Penrose R., Philadelphia, Pa., assignor to Havelet Corporation. Washing machine. 2,183,261; Dec. 12.

Hopkins, Horner H., assignor to Cobbs, Hamilton Company, Des Moines, Iowa. Knife holder. 2,183,074; Dec. 12.

Hopkins, Lloyd N., Storm Lake, Iowa. Housing for light-sensitive cell or the like. 2,182,987; Dec. 12.

Hoppe, William, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Wrapper control for wrapping machines. 2,183,192; Dec. 12.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,183,220; Dec. 12.

Hou, Hans, Elmhurst, N. Y. Apparatus for straightening out deformities in mudguards. 2,183,427; Dec. 12.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Carton sealing machine. 2,183,163; Dec. 12.

Hubley Manufacturing Company, The. (See Brubaker, Jacob E., assignor.)

Huessy, Walther. (See Trachsel, Ernst, assignor.)

Huff, William D., Lafayette, La. Power transmission or clutch. 2,183,454; Dec. 12.

Hughes, Walter J., Chicago, Ill., assignor, by mesne assignments, to Infilco Inc. Liquid control. 2,183,075; Dec. 12.

Humphner, Ferdinand W., Oak Park, Ill., assignor, by mesne assignments, to Mid-States Gummed Paper Company. Decalcomania. 2,183,315; Dec. 12.

Humphrey, Frank L., Wichita, Kans. Combined basket and stand therefor. 2,183,455; Dec. 12.

Hurt, Victor H., Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Laminated sheet material and article made therefrom. 2,183,380; Dec. 12.

Husson, Marie E. L. J., Asnieres, Seine, France. Change speed gear. 2,183,193; Dec. 12.

Hutchinson, Henry M. (See Auden, H. A., Standinger, and Hutchinson.)

Hysko, John L. (See Davey, J. R., and Hysko.)

I. G. Farbenindustrie Aktiengesellschaft. (See Jung, Karl, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Michael, Wilhelm, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Michael, W., and Jaeckh, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Rein, Herbert, assignor.)

Illinois Pipe Line Company, The. (See Slough, Ralph M., assignor.)

Imperial Chemical Industries Limited. (See Callender, A., and Stevenson, assignors.)

Imperial Chemical Industries Limited. (See Ritchie, P. D., Jones, and Burns, assignors.)

Industrial Patents Corporation. (See Mink, Leon D., assignor.)

Infilco Inc. (See Hughes, Walter J., assignor.)

Injecta Aktiengesellschaft. (See Vontobel, Jakob, assignor.)
Ionmm, John P., Philadelphia, Pa. Treating fruit. 2,182,965; Dec. 12.
Iseler, Charles W., assignor to General Motors Corporation, Detroit, Mich. Engine balancing. 2,182,988; Dec. 12.
Jackel, Arthur P. (See Snavely, C. S., Miller, and Jackel.)
Jackson, Donald R. (See Vaughn, T. H. and Jackson.)
Jackson, Walter C., Rahway, N. J., assignor to Tingley Reliance Rubber Corporation. Antiskid device. 2,183,321; Dec. 12.
Jackson, Walter C., Rahway, N. J., assignor to Tingley Reliance Rubber Corporation. Holding strap for antiskid devices. 2,183,322; Dec. 12.
Jacobs, F. L. Company. (See Chesley, Walter R., assignor.)
Jaeckh, Wolfgang. (See Michael, W., and Jaeckh.)
Janssen, Johann F. (See Volt, W., and Janssen.)
Jarvis, Kenneth W., Norwalk, and R. M. Blair, Westport, Conn., assignors to Radio Corporation of America, New York, N. Y. Oscillation generator. 2,182,870; Dec. 12.
Jean, James W., Pasadena, Calif. Fermentative production of solvents from garbage. 2,182,989; Dec. 12.
Jefferson Electric Company. (See Maurer, Leopold, assignor.)
Jefferson Island Salt Mining Company. (See Segura, Marnell, assignor.)
Jenkins, Elsworth H., North Bend, Wash. Shingle making or wood shake cutting machine. 2,183,479; Dec. 12.
Jenkins, William R., Charlottetown, Prince Edward Island, assignor of one-half to P. W. Ellis, Summerside, Prince Edward Island, Canada. Animal tongs. 2,183,480; Dec. 12.
Jennings, Andrew B. (See Middleton, E. B., and Jennings.)
Johnson, Edward C. W., assignor to Scherer Electric Company, Indianapolis, Ind. Panel board wiring apparatus. 2,182,847; Dec. 12.
Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Control for pressing machines. 2,183,194; Dec. 12.
Johnson, Stephen, Jr., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Clutch control mechanism. 2,183,481; Dec. 12.
Johnstone, Theodore H., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Cylinder lock. 2,182,809; Dec. 12.
Jones, David T. (See Ritchie, P. D., Jones, and Burns.)
Jones, Nevell R., Haddonfield, and B. R. Carson, Camden, N. J., assignors to Radio Corporation of America. Material cutter and stacker. 2,182,871; Dec. 12.
Jordan, James D. (See Preston, C. W., Ellis, and Jordan.)
Jordan, James D., Oak Park, and D. F. Ellis and C. W. Preston, assignors to General Household Utilities Company, Chicago, Ill. Boiler feeder. 2,183,101; Dec. 12.
Judelshon, Oscar I., Park Ridge, N. J. Clutch. 2,183,401; Dec. 12.
Jung, Karl, Rheinfelden in Baden, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacturing vinyl halides. 2,183,240; Dec. 12.
Jurrianse, Tom, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Mercury cathode discharge tube. 2,183,102; Dec. 12.
Kadco Corporation. (See Kelley, George S., assignor.)
Kaess, Franz J. (See Franck, H. H., and Kaess.)
Kaiser, William F., assignor to J. Spievak, Youngstown, Ohio. Artificial ankle joint. 2,183,076; Dec. 12.
Kalinowski, Anthony S., Chicago, Ill., assignor to Rand McNally & Company. Coupon book. 2,183,241; Dec. 12.
Kallo, Inc. (See Miller, Otto, assignor.)
Kamborian, Jacob S., Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Method and machine for use in making shoes. 2,182,810; Dec. 12.
Kane, John S., Lowell, Mass. Multiple air propeller. 2,183,195; Dec. 12.
Karl, Heinrich, Jersey City, N. J. Preserving can or container. 2,182,872; Dec. 12.
Kast, Edward R., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet feeding apparatus. 2,183,077; Dec. 12.
Kauffmann, Willem, and P. J. van der Lee, Amsterdam, Netherlands. Fermenting whey to produce alcohol. 2,183,141; Dec. 12.
Kaufmann, John V., et al. (See Hainsworth, Arthur S., assignor.)
Kear, Frank G., Minersville, Pa., assignor to Washington Institute of Technology, Inc., Washington, D. C. Current metering system. 2,183,316; Dec. 12.
Kelley, George S., Mount Vernon, assignor to Kadco Corporation, New York, N. Y. Dust deflector. 2,183,262; Dec. 12.
Kelley-Koett Manufacturing Company, The. (See Henry, Harry N., assignor.)
Kelly, Thomas J., Minneapolis, Minn. Rake cleaning device. 2,183,278; Dec. 12.
Kelner, Henry H., Wenatchee, Wash. Closure cap for paste tubes. 2,183,456; Dec. 12.
Kelsey-Hayes Wheel Company. (See Reynolds, Edward O., assignor.)
Kemler, Emory N., Glenshaw, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Strain gauge. 2,183,078; Dec. 12.
Kempfert, A. J., administratrix. (See Krug, Emil W., assignor.)
Kenney, Mahlon W. (See Constantine, A. R., and Kenney.)
Kepple, Ezra W., Greensburg, Pa. Chimney cap. 2,183,402; Dec. 12.
Kerentoff, Gottlieb L., Cincinnati, Ohio. Damper mounting and regulating means. 2,183,292; Dec. 12.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Pressure vessel. 2,183,043; Dec. 12.
Keuning, Klaas J. (See Dippel, C. J., Alink, and Keuning.)
Kiefer, Karl, Machine Company, The. (See Rheinstrom, James A., assignor.)
King, William R., Mineola, Tex. Regulator valve. 2,182,873; Dec. 12.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,183,501; Dec. 12.
Kinney, William F. (See Mann, H. G., and Kinney.)
Kishline, Floyd F., Birmingham, assignor to Graham-Paige Motors Corporation, Detroit, Mich. Internal combustion engine. 2,182,990; Dec. 12.
Kispert, Joseph J., Hamden, Conn. Corset. 2,182,848; Dec. 12.
Kivley, Ray C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,182,966; Dec. 12.
Klein, Abraham A., assignor to Norton Company, Worcester, Mass. Treating silicon carbide grains. 2,183,044; Dec. 12.
Klein, Hermann. (See Binder, R., and Klein.)
Klopp, Friedrich. (See Wegerdt, Fritz, assignor.)
Knight, Octavius. (See Todd, G., and Knight.)
Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation. Pipe coupling. 2,182,811; Dec. 12.
Köhler, Heinrich, Gross-Ottersleben, Georgshone, assignor to Fried. Krupp, Grusonwerk, Aktien-Gesellschaft, Magdeburg-Buckau, Germany. Rotary block press. 2,183,196; Dec. 12.
Kohlruss, Henry A., Twin Falls, Idaho. Inner and outer adjustable arch shoe. 2,183,197; Dec. 12.
Komora, Louis J., East Cleveland, assignor to The Auer Register Company, Cleveland, Ohio. Register. 2,182,923; Dec. 12.
Korengold, John A. (See Saffir, Jacob A., assignor.)
Kors, Frank F., Independence, Kans. Collapsible auto trailer. 2,182,967; Dec. 12.
Kowalski, Marion F., Richmond Hill, N. Y. Gas and air mixing device. 2,182,874; Dec. 12.
Kraft, George J., Wilkes-Barre, Pa. Hat form and hanger. 2,182,924; Dec. 12.
Kroop, Mischa, Brooklyn, N. Y. Artificial teeth and encasement therefor. 2,183,353; Dec. 12.
Kropp, Hermann, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ventilating fan. 2,183,079; Dec. 12.
Krug, Emil W., Manitowoc, Wis., deceased; A. J. Kempfert, Manitowoc, Wis., administrator. Cooling device for liquids. 2,183,221; Dec. 12.
Krum, Howard L., Kenilworth, and A. H. Reiber, Evanston, assignors to Teletype Corporation, Chicago, Ill. Market quotation selector. 2,183,022; Dec. 12.
Krupp, Fried. Grusonwerk, Aktien-Gesellschaft. (See Köhler, Heinrich, assignor.)
Kublak, Henry J. (See Kublak, Victor J. and H. J.)
Kublak, Victor J., Philadelphia, Pa., and H. J. Kublak, Madison, Wis. Permanent waving apparatus. 2,183,023; Dec. 12.
Kurkjian, Yervant H., Hawthorne, N. J., assignor to Julius Schmid, Inc., New York, N. Y. Injector. 2,183,482; Dec. 12.
La Grenade, Stephen J., Cherry Creek, N. Y. Reciprocating grate assembly for self-feed magazine boilers. 2,183,457; Dec. 12.
Lambeek, Adrian J. J. (See de Lange, C., and Lambeek.)
La Mont Corporation. (See Peters, Heinrich, assignor.)
Landgreen, Lowell V., Hendley, Nebr. Wheel. 2,182,946; Dec. 12.
Lange, Edward H., Baltimore, Md. Automobile control appliance. 2,183,354; Dec. 12.
Lapointe Machine Tool Company, The. (See Monroe, Kenneth C., assignor.)
Large, William W., Oakland, Calif. Rotary valve for engines. 2,183,024; Dec. 12.
Larsen, Agnew E., Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America. Rotative-winged aircraft. 2,183,119; Dec. 12.
Lathrop, Richard A., Hope, N. Dak. Portable fireplace heater. 2,183,458; Dec. 12.
Laufersweiler, William J., Columbus, Ohio, assignor to General Door Company, Reno, Nev. Flexible rolling curtain. 2,183,495; Dec. 12.
Lazier, Wilbur A., Wyckwood, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyesters. 2,182,991; Dec. 12.
Leach, William W., Warren, Ohio. Apparatus for transferring sheets. 2,183,293; Dec. 12.
Lebo, Robert B., Elizabeth, N. J., assignor to Stanco, Incorporated. Corrosion preventive. 2,182,992; Dec. 12.

Leemans, Joseph P., assignor to Société Générale Metallurgique de Hoboken, Hoboken, near Antwerp, Belgium. Treatment of materials containing tantalum and niobium. 2,183,517; Dec. 12.
Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
Lefere, Alidor, assignor to Lefere Forge & Machine Company, Jackson, Mich. Explosive shell and making the same. 2,183,502; Dec. 12.
Lefere Forge & Machine Company. (See Lefere, Alidor, assignor.)
Lehr, Ernst, and H. Granacher, Berlin, Germany, assignors to Askania-Werke A. G. Device for measuring mechanical movements. 2,183,459; Dec. 12.
Lenox, Andrew J., Kingston-Upon-Hull, England. Variable-speed gearing. 2,183,460; Dec. 12.
Lentz, Hugo J., Vienna, Austria. Rolling lever vale motion for locomotive and marine steam engines. 2,182,925; Dec. 12.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Tractor operated crane. 2,183,263; Dec. 12.
Levine, Abraham, Elizabeth, N. J. Lock for luggage cases and other containers. 2,183,120; Dec. 12.
Levine, Abraham, Elizabeth, N. J. Latch mechanism. 2,183,121; Dec. 12.
Levy, Oscar C., Chicago, Ill., assignor to American Totalisator Company, Inc., Baltimore, Md. Totalizing system. 2,182,875; Dec. 12.
Lewis Invisible Stitch Machine Company. (See Bowman, Louis G., assignor.)
Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)
Libbey Glass Company. (See Treece, J. H., Whitney, and Schneider, assignors.)
Liebowitz, Benjamin, assignor to Trubenizing Process Corporation, New York, N. Y. Collar and making the same. 2,183,242; Dec. 12.
Lincoln, Bert H., and A. Henriksen, deceased, by J. W. Wolfe, administrator de bonis non, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant. 2,183,294; Dec. 12.
Lindström, Alrik C., Stockholm, Sweden. Mercury switch. 2,183,198; Dec. 12.
Little, Edwin G. (See McWhirter, W. C., and Little.)
Lloyd, Alfred J. and C. W., Orillia, Ontario, Canada. Machine for operating upon nuts. 2,183,080; Dec. 12.
Lloyd, Cyrus W. (See Lloyd, Alfred J. and C. W.)
Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Atomizing liquids. 2,182,897; Dec. 12.
Logemann, Willy. (See Serini, A., Strassberger, and Logemann.)
Lompe, Arved. (See Alterthum, H., and Lompe.)
Lon-Ga-Tone, Inc. (See Herzig, Leonard A., assignor.)
López, Nicolás A., Chicago, Ill. Drill and work holder. 2,183,295; Dec. 12.
Longhurst, Victor, Lucketts, Va. Air propeller blade. 2,182,812; Dec. 12.
Lompe, Arved. (See Alterthum, H., Lompe, and Wiegand.)
Lompe, Arved. (See Alterthum, H., and Lompe.)
Loughridge, Matthew H. (See Everett, Edward A., assignor.)
Lowe, Joé, Corporation. (See Bayer, Abraham H., assignor.)
Lowe, Joe, Corporation. (See Thomas, Norman M., assignor.)
Lubri-Zol Development Corporation, The. (See Lincoln, B. H., and Henricksen, assignors.)
Lucomlin, Morris, New York, N. Y. Making settings. 2,183,264; Dec. 12.
Luehrs, Hans J. (See Barber, H. M., and Luehrs.)
Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Intaglio printing press. 2,183,222; Dec. 12.
Lum, Alice H. F. (See Singer, Henry, assignor.)
Lunsford, Robert L., Belleville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making electrical connections. 2,182,968; Dec. 12.
Lutz, Vergil M., Springfield, Ohio. Piston ring. 2,183,199; Dec. 12.
Lyon, George A., Allenhurst, N. J. Auxiliary impact member. 2,182,898; Dec. 12.
MacClatchie, John W., Los Angeles, assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Packer. 2,182,899; Dec. 12.
MacClatchie Manufacturing Company of California. (See MacClatchie, John W., assignor.)
Mackenzie, Franklin H., Bywood, assignor to American Chemical Paint Company, Ambler, Pa. Cleaning wool. 2,183,142; Dec. 12.
Madigan, John F., assignor of one-third to M. Stans, and one-third to F. R. Beane, Chicago, Ill. Sand valve for motor vehicles. 2,182,969; Dec. 12.
Maloney, William J., Ansonia, Conn. Bed service. 2,183,265; Dec. 12.
Manhattan Lubricants Co. (See Birnbaum, Joseph, assignor.)
Mankin, Lawrence O. (See Hoge, J. R., Soubier, and Mankin.)
Mankin, Lawrence O., and L. D. Soubier, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Stenciling apparatus. 2,183,223; Dec. 12.
Mann, Harry G., and W. F. Kinney, Toledo, Ohio, assignor to American Can Company, New York, N. Y. Container. 2,182,813; Dec. 12.
Manrodt, Henry, Newark, N. J., and M. Manrodt, Baltimore, Md. Combustion engine with rotary valve. 2,183,122; Dec. 12.
Manrodt, Manfred. (See Manrodt, Henry and M.)
Manz, Friedrich, Halle-on-the-Saale, and K. Rosenfelder, assignors to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany. Power-driven hand-guided machine. 2,182,926; Dec. 12.
Marasco, Martin, New Brunswick, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Photographic film. 2,182,814; Dec. 12.
Marcus, Samuel, Jersey City, assignor to Margon Corporation, Bayonne, N. J. Flexible mast with movable eyes. 2,183,025; Dec. 12.
Margles, Samuel G., Brooklyn, assignor to Otis Elevator Company, New York, N. Y. Moving stairway. 2,183,334; Dec. 12.
Margon Corporation. (See Marcus, Samuel, assignor.)
Marischka, Carl. (See Bossner, F., and Marischka.)
Martin, Glenn L., Company, The. (See McCarty, L. C., Jr., and Nightingale, assignors.)
Martin, Otis C., Los Angeles, Calif., assignor to Electrical Research Products, Inc. Ribbon mount for light valves. 2,182,849; Dec. 12.
Marx, Joseph P., Hartford, Wis. Telescopic bushing. 2,183,296; Dec. 12.
Marx, Walter S., Jr., Port Washington, N. Y., assignor to Printing Arts Research Laboratories, Inc. Preparing color-printing plates. 2,183,143; Dec. 12.
Mason, Erwin S., Norwood, assignor to The J. H. Day Company, Cincinnati, Ohio. Feed control. 2,183,026; Dec. 12.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,783,123; Dec. 12.
Mathes, Richard E. (See Moore, J. B., and Mathes.)
Matthews Conveyer Company. (See Zink, William J., assignor.)
Matthews, Vinton H., assignor to Food Machinery Corporation, San Jose, Calif. Liquid distributing device. 2,182,927; Dec. 12.
Maurer, Leopold, Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Transformer construction. 2,183,355; Dec. 12.
Mayer, Bruno, Crafton, assignor to Vanadium Corporation of America, Bridgeville, Pa. Extracting vanadium from vanadium-bearing silicates. 2,183,027; Dec. 12.
Mayers, Clifford L., Omaha, Nebr. Shaper attachment for a lathe. 2,183,461; Dec. 12.
McAlevy, Ambrose, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of olefins. 2,183,503; Dec. 12.
McCalium, Arthur, assignor to Flako Products Corporation, New Brunswick, N. J. Bag-opening machine. 2,183,081; Dec. 12.
McCarty, Lewis C., Jr., Baltimore, and R. G. Nightingale, Towson, assignors to The Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,183,279; Dec. 12.
McCluer, Wilbert B. (See Fenske, M. R., and McCluer.)
McCoy, Frederick A. (See Hagenbuch, C. W., and McCoy.)
McIlvried, Edwin J. (See Nye, M. A., and McIlvried.)
McIlvried, Edwin J., Akron, and N. H. Nye, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Rubber mill. 2,182,900; Dec. 12.
McIntyre, Charles D., Portland, Oreg. Skiing figure. 2,183,144; Dec. 12.
McKee, George K., Cincinnati, Ohio, and C. E. Bernitt, assignors to The Avey Drilling Machine Company, Covington, Ky. Machine tool. 2,183,297; Dec. 12.
McKendrick, David B., New York, N. Y. Therapeutic device. 2,183,335; Dec. 12.
McLaughlin, Robert W., Jr., assignor to American Houses, Inc., New York, N. Y. Building construction unit. 2,183,381; Dec. 12.
McNary, Agnes H., Chicago, Ill. Purse kit. 2,183,428; Dec. 12.
McWhirter, William C., and E. G. Little, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,183,164; Dec. 12.
McWhirter, William C., and E. G. Little, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,183,165; Dec. 12.
Medart, Fred, Manufacturing Company. (See Albach, F., and Chervenka, assignors.)
Meersteiner, Frieda, administratrix. (See Meersteiner, Johann.)
Meersteiner, Johann, deceased, assignor of one-half to the firm Bechert & Co., Drahtstifte-, Schrauben- und Stahlindustrie-Aktiengesellschaft, Saaz, Czechoslovakia; F. Meersteiner, administratrix. Metal fastener. 2,183,243; Dec. 12.
Méñna S. A. (See Hönger, Guido, assignor.)

Mchaffey, James B., Lynchburg, Va., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper making machinery. 2,182,928; Dec. 12.
Merck & Co. Inc. (See Dalmer, O., and Diehl, assignors.)
Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
Merz, Alfred. (See Schering, H., and Merz.)
Mestre, Louis N., assignor to Anciens Etablissements Barbier, Benard & Turenne, Paris, France. Lighting system. 2,183,462; Dec. 12.
Meyer, Henry C. A., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Filter. 2,183,368; Dec. 12.
Michael, Wilhelm, Ludwigshafen-on-the-Rhine, and W. Jaeckh, Heidelberg, assignors to I. G. Farbenindustric Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing hydrocarbons. 2,183,145; Dec. 12.
Michael, Wilhelm, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of valuable hydrocarbons and their derivatives containing oxygen. 2,183,146; Dec. 12.
Micro Switch Corporation. (See Riche, Arthur L., assignor.)
Middleton, Edmund B., Metuchen, and A. B. Jennings, New Brunswick, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y. Color-forming photographic compositions and processes. 2,182,815; Dec. 12.
Middleton, Henry B., Philadelphia, Pa. Electric control mechanism. 2,182,850; Dec. 12.
Mid-States Gummed Paper Company. (See Humphner, Ferdinand W., assignor.)
Miele, John, Jersey City, N. J. Drier. 2,183,200; Dec. 12.
Miller, Alfred B. (See Snavely, C. S., Miller, and Jackel.)
Miller, Harry H. (See Gledhill, Edward C., and W. E., Newell, and Miller.)
Miller, Louis G. (See Tesseyman, J. E., and Miller.)
Miller, Norman B., New York, N. Y. Machinery packing. 2,183,336; Dec. 12.
Miller, Otto, Philadelphia, Pa., assignor to Kalio, Inc., New York, N. Y. Flat knitting machine. 2,183,201; Dec. 12.
Miller Printing Machinery Co. (See Herrmann, Hanns R., assignor.)
Miner, W. H., Inc. (See Dentler, Arnold E., assignor.)
Mink, Leon D., assignor to Industrial Patents Corporation, Chicago, Ill. Reconstitution of dried egg material. 2,183,515; Dec. 12.
Mink, Leon D., assignor to Industrial Patents Corporation, Chicago, Ill. Egg material treatment. 2,183,516; Dec. 12.
Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)
Minnesota Mining & Manufacturing Company. (See Willis, John S., assignor.)
Miscialtelli, Paolo, Rome, Italy. Obtaining copper linings. 2,182,202; Dec. 12.
Misterly, Frank S., Darien, Conn., and S. B. Smith, Hartsdale, N. Y. Transmission system. 2,183,244; Dec. 12.
Mitchell, Allister S., assignor to National Automotive Fibres, Inc., Detroit, Mich. Apparatus for manufacturing plaited upholstery with mismatched seams. 2,183,429; Dec. 12.
Mitchell, Courtney N., Strongsville, Ohio. Hydraulic clutch and transmission. 2,183,403; Dec. 12.
Moffett, John F., assignor of one-half to W. M. Moffett, Decatur, Ill. Pneumatic direction signal light. 2,182,816; Dec. 12.
Moffett, Willa M. (See Moffett, John F., assignor.)
Moldenhauer, Eric, New York, N. Y. Ring. 2,182,876; Dec. 12.
Moncrieff, Robert W. (See Dreyfus, H., and Moncrieff.)
Money, Roland H., assignor to The Crosley Corporation, Cincinnati, Ohio. Refrigerator door. 2,183,280; Dec. 12.
Monroe, Kenneth C., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Interlocked duplex broaching machine. 2,183,430; Dec. 12.
Montagné, Anton, Dusseldorf-Grafenberg, Germany. Grinding wheel for soft materials. 2,183,082; Dec. 12.
Moore, John B., Riverhead, N. Y., and R. E. Mathes, Fanwood, N. J., assignors to Radio Corporation of America. Printing telegraph system. 2,183,147; Dec. 12.
Moreno, Gabriel G., Los Angeles, Calif., assignor to C M C Corporation, New York, N. Y. Prismatic screen. 2,182,993; Dec. 12.
Moreton, Henry H., Montclair, N. J. Method and apparatus for destroying sewage. 2,183,463; Dec. 12.
Morgan Construction Company. (See Fors, Eric H., assignor.)
Morin, Fernando A. (See Steele, E. W., and Morin.)
Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Hysteresis torque motor. 2,183,404; Dec. 12.
Moss, David G., El Dorado, Kans. Monolongéron construction for heavier-than-air craft. 2,183,323; Dec. 12.
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Moulton, Walter E., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Fishing rod handle. 2,182,901; Dec. 12.
Moyle, Clarence L. (See Coleman, G. H., and Moyle.)
Moyle, Clarence L., assignor to The Dow Chemical Company, Midland, Mich. Liquid triaryl phosphates. 2,182,817; Dec. 12.
Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Piston ring joint sealing and expanding means. 2,182,851; Dec. 12.
Muehter, Manfred W., Nutley, assignor to American District Telegraph Company, Jersey City, N. J. Alternating current operated noninterfering signaling system. 2,183,245; Dec. 12.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Top feed dog for sewing machines. 2,182,929; Dec. 12.
Mulford, Logan W., Kew Gardens, N. Y. Glass-roof roof light and the like. 2,182,852; Dec. 12.
Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Container closure. 2,182,818; Dec. 12.
Murphree, Eger V., Baton Rouge, La., assignor to Standard Oil Development Company. Purifying acetylene gas and manufacturing acetaldehyde therewith. 2,183,148; Dec. 12.
N. V. Philips' Gloeilampenfabrieken. (See Claassen, A. F. P. J., and De Lange, assignors.)
N. V. Philips' Gloeilampenfabrieken. (See Dippel, C. J., Alink, and Kenning, assignors.)
N. V. Philips' Gloeilampenfabrieken. (See de Lange, C., and Lambeek, assignors.)
N. V. Philips' Gloeilampenfabrieken. (See Jurrianse, Tom, assignor.)
Na-Mac Products Corporation. (See Hacmac, Edward R., assignor.)
Nash, Oscar B., Adrian, Minn. Tractor wheel lug. 2,183,464; Dec. 12.
National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)
National Aviation Research Corporation. (See Bach, Emmon, assignor.)
National Bread Wrapping Machine Co. (See Hoppe, William, assignor.)
National Engineering & Mfg. Co. (See Yeager, Milburn E., assignor.)
National Lead Company. (See Behr, Gustave E., assignor.)
National Lock Co. (See Anderson, Lloyd, assignor.)
National Oil Products Company. (See Hill, Arnold M., assignor.)
National Tube Company. (See Bannister, Bryant, assignor.)
Negbaur, Harry, New York, N. Y. Battery operated lighter. 2,183,382; Dec. 12.
Nerney, George E., Attleboro, assignor to Bay State Optical Company, Bristol, Mass. Eyeglass construction. 2,182,970; Dec. 12.
Neuman, Jacob J., South Salem, N. Y. Automatic motor control. 2,183,491; Dec. 12.
Newell, Gail W. (See Gledhill, Edward C. and W. E., Newell, and Miller.)
Newport News Shipbuilding and Dry Dock Company. (See Terry, Roger V., assignor.)
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Nichols, Brooks C., Sissonville, W. Va. Safety gas line shut-off. 2,183,483; Dec. 12.
Nightingale, Robert G. (See McCarty, L. C., and Nightingale.)
Niles-Bement-Pond Company. (See Rusnak, John M., assignor.)
Nind, Eric A. (See Blumlein, A. D., and Nind.)
Noma Electric Corporation. (See Wolf, Abraham, assignor.)
Noor, Robert A., Tuscumbia, Ala. Football charging machine. 2,183,465; Dec. 12.
Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve. 2,182,930; Dec. 12.
Norman, Sigurd, assignor to Pulp-Paper Machines, Ltd., Portland, Oreg. Shredding device. 2,183,224; Dec. 12.
Norton Company. (See Flygare, Carl G., assignor.)
Norton Company. (See Klein, Abraham A., assignor.)
Norton Company. (See Taylor, Irving A., assignor.)
Novadel-Agene Corporation. (See Peet, Gerald D., assignor.)
Nye, Maurice A., Cuyahoga Falls, and E. J. McIlvried, Stow Corners, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Draw bench. 2,182,902; Dec. 12.
Nye, Norman H. (See McIlvried, E. J., and Nye.)
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,183,504; Dec. 12.
Offen, Bernard, Chicago, Ill. Drying apparatus. 2,183,298; Dec. 12.
Ogle, Kenneth N., assignor to trustees of Dartmouth College, Hanover, N. H. Trial lens. 2,183,028; Dec. 12.
Ohio Rubber Company, The. (See Winegar, Edmund M., assignor.)
Olin, John F. (See Clark, L. H., and Olin, and Deibel.)
Olin, John F., Grosse Ile, Mich., assignor to The Sharples Solvents Corporation. Treatment of organic compounds. 2,183,405; Dec. 12.

Oliver, Lee, New York, N. Y., assignor to The Connecticut Web and Buckle Company, Bridgeport, Conn. Garment holding clip. 2,182,853; Dec. 12.
Ordal, Erling J. (See Bayliss, M., Wilson, and Ordal.)
Orth, George W., Philadelphia, and H. P. Orth, Merwood, Pa. Building flashing. 2,182,877; Dec. 12.
Orth, Herbert P. (See Orth, George W. and H. P.)
Otis Elevator Company. (See Margles, Samuel G., assignor.)
O'Toole, Charles, Brooklyn, N. Y. Window. 2,183,356; Dec. 12.
Overhead Loader Corporation. (See Andersen, Thomas K. and T., assignors.)
Owens-Illinois Glass Company. (See Hoge, J. R., Soubier, and Mankin, assignors.)
Owens-Illinois Glass Company. (See Mankin, L. O., and Soubier, assignors.)
Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
Paleologos, Christie N., Charles Town, W. Va. Ash-receiving attachment for restaurant tables. 2,182,947; Dec. 12.
Palmgren, Per G., Philadelphia, Pa., assignor to Aktiebolaget Svenska Kullagerfabrieken, Goteborg, Sweden. Bearing for rolling mills and the like. 2,182,994; Dec. 12.
Palumbo, Vincent, Cleveland, Ohio. Attachment for milling or other machines. 2,183,166; Dec. 12.
Parish, Richard L., Brewster, N. Y. Thermal insulation. 2,183,406; Dec. 12.
Park, Franklin A., Jr. (See Chason, D. H., and Park.)
Parker, Francis D., La Farge, Wis. Lifting and pulling device. 2,183,124; Dec. 12.
Parker, Henry C., Washington, D. C. Slide fastener lock. 2,183,103; Dec. 12.
Parker, Henry W., assignor to Rogers Radio Tubes Ltd., Toronto, Ontario, Canada. Thermionic tube. 2,183,149; Dec. 12.
Patterson, William N., Detroit, Mich. Suction cleaner. 2,183,150; Dec. 12.
Patton, John W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Dining car construction. 2,183,225; Dec. 12.
Peet, Gerald D., Montclair, assignor to Novadel-Agene Corporation, Belleville, N. J. Keg. 2,183,505; Dec. 12.
Pennsylvania Petroleum Research Corporation. (See Fenske, M. R., and McCluer, assignors.)
Penrod, George F., Jackson Township, Wells County, Ind. Paraffin remover. 2,182,931; Dec. 12.
People of the United States of America, Dedicated to the free use of the. (See Bennett, Frank W.)
Peoples Gas By-Products Corporation. (See Guthrie, R. G., and Wilbor, assignors.)
Pepper, Robert K. and S. C. V., Syracuse, N. Y. Expansion pipe joint. 2,182,995; Dec. 12.
Pepper, Samuel C. V. (See Pepper, Robert K., and S. C. V.)
Perkins, Melville F., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Inhibiting dusting of arsenious oxide and product thereof. 2,183,337; Dec. 12.
Peters, Heinrich, Berlin, Germany, assignor to La Mont Corporation, New York, N. Y. Cleaning tubular heat exchanging surfaces. 2,183,496; Dec. 12.
Peterson, Adolphe C., Minneapolis, Minn. Airplane generator and power system. 2,183,151; Dec. 12.
Pfeffer, Henry W., Philadelphia, Pa., and H. O. Danz, assignors to American Blower Corporation, Detroit, Mich. Dust collection apparatus. 2,182,854; Dec. 12.
Phipps, John T., Huntington Park, Calif., assignor to W. K. P. Oil Tool Co. Demountable rock bit. 2,182,903; Dec. 12.
Pickett, Elmer J., New Haven, Ind. Strap ferrule affixing machine. 2,183,167; Dec. 12.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pikulik, Anna, Chicago, Ill. Ice creeper. 2,183,246; Dec. 12.
Pipenhagen, Charles A., Chicago, Ill. Dispensing and applying fertilizer. 2,182,878; Dec. 12.
Pisarev, David, Bethlehem, Pa. Induction heating device. 2,182,819; Dec. 12.
Pisarev, David, Bethlehem, Pa. Induction coil. 2,182,820; Dec. 12.
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Pneumatic Scale Corporation. (See Robinson, George A., assignor.)
Poch, Waldemar J., Collingswood, N. J., assignor to Radio Corporation of America. High frequency amplifier. 2,183,203; Dec. 12.
Pond, Kenneth H., Longmeadow, assignor to Bemis and Call Company, Springfield, Mass. Lock construction. 2,183,168; Dec. 12.
Poppe, George W., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y. Making coupon receptacles. 2,183,247; Dec. 12.
Porter, C. O., Machinery Company. (See Harman, James R., assignor.)
Powell, Walter C., assignor to Amazon Knitting Company, Muskegon, Mich. Undergarment. 2,183,431; Dec. 12.
Prensky, Harold N., Forest Hills, and E. Grieshaber, Springfield Gardens, N. Y. Toy bomb. 2,183,152; Dec. 12.
Prentice, G. E., Manufacturing Company, The. (See Prentice, George E., assignor.)
Prentice, George E., Berlin, assignor to The G. E. Prentice Manufacturing Company, New Britain, Conn. Making fasteners. 2,183,169; Dec. 12.
Presby, Leroy Q., Melrose, assignor to American Stay Company, East Boston, Mass. Printing press. 2,183,045; Dec. 12.
Preston, Cecil W. (See Jordan, J. D., Ellis, and Preston.)
Preston, Cecil W., and D. F. Ellis, Chicago, and J. D. Jordan, Oak Park, assignors to General Household Utilities Company, Chicago, Ill. Boiler feeder. 2,183,104; Dec. 12.
Printing Arts Research Laboratories, Inc. (See Marx, Walter S., Jr., assignor.)
Pulp-Paper Machines, Ltd. (See Norman, Sigurd, assignor.)
Purvis, Joseph R., assignor of one-half to H. J. Hacker, Toronto, Ontario, Canada. Automobile marker lock. 2,183,266; Dec. 12.
Pyrene-Minimax Corporation. (See Timpson, Lewis G. M., assignor.)
Quinn, Edward, Brooklyn, N. Y., assignor to The Del-Mac Shoe Process Corporation. Machine for operating on shoes. 2,183,170; Dec. 12.
Rabl, Max, Vienna, Germany, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery sediment measuring device. 2,183,492; Dec. 12.
Radio Corporation of America. (See Addink, N. W. H., and de Boer, assignors.)
Radio Corporation of America. (See Anderson, Leslie J., assignor.)
Radio Corporation of America. (See Banks, George B., assignor.)
Radio Corporation of America. (See Dow, Orville E., assignor.)
Radio Corporation of America. (See Jarvis, K. W., and Blair, assignors.)
Radio Corporation of America. (See Jones, N. R., and Carson, assignors.)
Radio Corporation of America. (See Moore, J. B., and Mathes, assignors.)
Radio Corporation of America. (See Poch, Waldemar J., assignor.)
Radio Corporation of America. (See Stone, Fred B., assignor.)
Radio Corporation of America. (See Tolson, William A., assignor.)
Rahe, Samuel E., Springfield Gardens, assignor to Berst-Forster-Dixfield Co., New York, N. Y. Match book machine. 2,183,029; Dec. 12.
Rand McNally & Company. (See Kalinowski, Anthony S., assignor.)
Rawlings, John J., assignor to The Rawlplug Company Limited, London, England. Percussion drill. 2,183,466; Dec. 12.
Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Drop-out open cut-out fuse. 2,183,083; Dec. 12.
Rawlplug Company Limited, The. (See Rawlings, John J., assignor.)
Recknagel, Alfred. (See Henneberg, W., and Recknagel.)
Reddler, Arnold. (See Barnsdale, Frederick H., assignor.)
Refsdal, Anfinn, Lilleaker, near Oslo, Norway. Ski binding. 2,183,171; Dec. 12.
Reiber, Albert H. (See Krum, H. L., and Reiber.)
Reich, Gustave T., Philadelphia, Pa. Recovery of carbon dioxide. 2,183,324; Dec. 12.
Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Purification of chlorinated aliphatic hydrocarbons. 2,183,046; Dec. 12.
Rein, Herbert, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sizing of textile materials. 2,183,226; Dec. 12.
Reiser, Isidore, New York, N. Y. Sliding and swinging window. 2,183,105; Dec. 12.
Reliance Gauge Column Company, The. (See Brown, John R., assignor.)
Rennert, John E. (See Allen, S. E., and Rennert.)
Rentschler, Mahlon J., Willoughby, and D. B. Bradner, assignors to The Hamilton Laboratories, Inc., Hamilton, Ohio. Germicidal and antiseptic composition. 2,183,493; Dec. 12.
Reynolds, Edward O., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,183,432; Dec. 12.
Reynolds, Frederick W., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical system. 2,183,204; Dec. 12.
Rexroth, Robert P., Franklin, Ind. Cap retainer. 2,182,855; Dec. 12.
Reynolds, Stanton, Greenford, England, assignor to Atlantic Coast Fisheries Company, New York, N. Y. Making activated gelatin. 2,183,084; Dec. 12.
Rheinstrom, James A., assignor to The Karl Kiefer Machine Company, Cincinati, Ohio. Arranging articles. 2,183,433; Dec. 12.
Richards, Idris T., Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 2,183,030; Dec. 12.

Richards, Joshua M., Brookline, Mass. Skylight or floor-light construction. 2,182,971; Dec. 12.

Richardson, Harry W., San Francisco, assignor to R. R. Vought, Redwood City, Calif. Snap fastener. 2,183,085; Dec. 12.

Riche, Arthur L., assignor, by mesne assignments, to Micro Switch Corporation, Freeport, Ill. Compression spring support. 2,182,856; Dec. 12.

Ridley, Frank F., assignor to Colliery Engineering Limited, Sheffield, England. Apparatus for pneumatic separation of materials of different specific gravities and sizes. 2,183,281; Dec. 12.

Rieser, John D., Berkeley, Calif. Variable speed transmission. 2,183,267; Dec. 12.

Riesz, Robert R., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translation. 2,183,248; Dec. 12.

Rike, Frederick F., assignor to Buckeye Iron & Brass Works, Dayton, Ohio. Fill box. 2,183,282; Dec. 12.

Riley, Joseph W., and M. Turton, Guatemala City, Guatemala. Boiler compound dispenser. 2,183,125; Dec. 12.

Rinehart, Elizabeth S., New York, N. Y. Lady's handbag. 2,182,879; Dec. 12.

Rippingille, Edward Y., assignor to General Motors Corporation, Detroit, Mich. Piston cooling arrangement. 2,183,091; Dec. 12.

Ritchie, Patrick D., D. T. Jones, and R. Burns, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, Manufacture of derivatives of unsaturated acids. 2,183,357; Dec. 12.

Ritchie, William H., et al. (See Hainsworth, Arthur S., assignor.)

Rite-Rite Mfg. Co. (See Hasselquist, Hugo S., assignor.)

Rivers, Durward S., Indianapolis, Ind., deceased; K. Rivers, administratrix. Reset thermal switch. 2,183,518; Dec. 12.

Rivers, Kathryn. (See Rivers, Durward S.)

Roberts, William, Oswego, assignor to The Diamond Match Company, New York, N. Y. Mechanism for assembling match packets and the like. 2,182,880; Dec. 12.

Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Clutch mechanism. 2,182,821; Dec. 12.

Robinson, George A., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Labeling machine. 2,183,153; Dec. 12.

Robinson, Harold E., Astoria, Long Island, assignor to American Multi Products Corp., Long Island City, N. Y. Game apparatus. 2,183,506; Dec. 12.

Robitzek, William, City Island, and L. J. Bachler, New York, N. Y. Boiler. 2,183,205; Dec. 12.

Rogers Radio Tubes Ltd. (See Parker, Henry W., assignor.)

Romano, Joseph, Donora, Pa. Attachment for shoe stretchers. 2,183,106; Dec. 12.

Roosenstein, Hans O., and K. Diels, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode for cathode ray tube. 2,182,881; Dec. 12.

Rose, Jay, Brooklyn, N. Y., assignor, by mesne assignments, to Wardmore Corporation. Screening and covering device for windows and other openings. 2,183,519; Dec. 12.

Rosenfelder, Karl. (See Nanz, F., and Rosenfelder.)

Röver, Wilhelm, Kiel, Germany. Incandescent lamp. 2,182,904; Dec. 12.

Roycroft, Walter R., Ozone Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Control mechanism. 2,183,032; Dec. 12.

Rullancich, John J., assignor to Union Spring and Manufacturing Company, New Kensington, Pa. Journal box lid. 2,183,407; Dec. 12.

Rullancich, John J., New Kensington, Pa., assignor to Union Spring and Manufacturing Company. Journal box lid. 2,183,408; Dec. 12.

Rusnak, John M., West Hartford, assignor to Niles-Bement-Pond Company, Hartford, Conn. Universal die sinker. 2,183,172; Dec. 12.

Russell, Robert C. (See Carlson, G. W., and Russell.)

Saffir, Jacob A., Rockford, assignor of one-half to J. A. Korengold, Chicago, Ill. Apparatus for dental projection. 2,182,822; Dec. 12.

St. Clair, Harry H. (See Hart, Raymond S., assignor.)

St. John, Everett, Westport, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable supporting device. 2,182,885; Dec. 12.

Sampietro, Achille C., London, England. Control means of land vehicles. 2,183,283; Dec. 12.

Sanford, Percy P., San Francisco, Calif. Package. 2,182,932; Dec. 12.

Sarazin, Raoul R. R., Saint-Prix, France. Device for balancing alternating machines. 2,183,467; Dec. 12.

Savage, Edward S., Rochester, N. Y. Game. 2,183,107; Dec. 12.

Scheibell, Gordon B., Millburn, N. J., deceased; W. O. Scheibell, administrator. Sound film system. 2,182,823; Dec. 12.

Scheibell, William O., administrator. (See Scheibell, Gordon B.)

Schenck, Charles, Coopersburg, Pa., assignor to Bethlehem Steel Company. Welded rail joint. 2,183,047; Dec. 12.

Scherer Electric Company. (See Johnson, Edward C. W., assignor.)

Schering Aktiengesellschaft. (See Serini, A., Strassberger, and Logemann, assignors.)

Schering, Helmuth, and A. Merz, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Illuminating device for projectors. 2,183,249; Dec. 12.

Schiebeler, Karl, Berlin-Charlottenburg, Germany, assignor to General Electric Company. End zone retardation control system. 2,183,409; Dec. 12.

Schilling, Karl. (See Eckert, W., and Schilling.)

Schimanek, Emil, Budapest, Hungary. Regulation of internal combustion engines. 2,182,933; Dec. 12.

Schjolin, Eric O., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Oiling system. 2,182,948; Dec. 12.

Schmid, Julius, Inc. (See Kurkjian, Yervant H., assignor.)

Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,183,507; Dec. 12.

Schneider, Frans L. G., The Hague, assignor to Holland Electroc N. V., Rotterdam, Netherlands. Lamp construction comprising a reflector. 2,183,048; Dec. 12.

Schneider, Henry W. (See Treece, J. H., Whitney, and Schneider.)

Scholz, Herman A., Oak Park, assignor to United States Gypsum Company, Chicago, Ill. Oil paint for wet surfaces. 2,183,227; Dec. 12.

Schönfeld, Paul, Chemnitz, Germany. Warp goods. 2,183,108; Dec. 12.

Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Chuck. 2,183,369; Dec. 12.

Schweller, Sylvester M., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,182,824; Dec. 12.

Scott, Ephriam J., Somerville, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Machine for shaping rubber mats and the like. 2,183,508; Dec. 12.

Scott, Robert M., Windsor, Ontario, Canada. Seal. 2,182,972; Dec. 12.

Scriven, Guy E., Sioux Falls, S. Dak. Bedtray and bedside table. 2,183,410; Dec. 12.

Segrin, Oscar E., Hamilton Square, N. J. Candy brushing machine. 2,183,033; Dec. 12.

Segura, Marnell, Jefferson Island, La., assignor to Jefferson Island Salt Mining Company, Louisville, Ky. Treating salt and resulting product. 2,183,173; Dec. 12.

Selden, Rudolf, Kansas City, Mo. Therapeutic preparation. 2,183,268; Dec. 12.

Selitzky, Henry, Brooklyn, N. Y. Liquid measuring and dispensing device. 2,183,370; Dec. 12.

Semon, David E., Jacksonville, Fla. Joint for levels and squares. 2,183,086; Dec. 12.

Senn, Emil, Riehen, near Basel, assignor to the firm of J. R. Geigy A. G., Basel, Switzerland. Trisazo dyestuffs and their manufacture. 2,183,087; Dec. 12.

Serini, Arthur, Berlin, L. Strassberger, Berlin-Wilmersdorf, and W. Logemann, Berlin, Germany, assignors to Schering Aktiengesellschaft. Derivatives of androstenols and making the same. 2,182,825; Dec. 12.

Servel, Inc. (See Thomas, Albert R., assignor.)

Shantz, Edgar. (See Callin, J. J., and Shantz.)

Sharples Solvents Corporation, The. (See Clark, L. H., Olin, and Delbel, assignors.)

Sharples Solvents Corporation, The. (See Olin, John F., assignor.)

Sheffield, Donald H., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Preparation of terpene ethers. 2,182,826; Dec. 12.

Sheffield Steel Corporation. (See Hagenbuch, C. W., and McCoy, assignors.)

Shepherd, Thomas L., London, England. Making multiply woven fabrics. 2,182,882; Dec. 12.

Shepherd, Thomas L., London, England. Manufacture of fabrics consisting wholly or partly of rubber elastic threads. 2,182,996; Dec. 12.

Shofner, Frank B., Jr., Stevenson, Ala. Seal. 2,183,049; Dec. 12.

Siegel, David, Commack, N. Y. Knitting machine. 2,183,050; Dec. 12.

Simmonds Development Corporation Limited. (See Barnicoat, Harold R., assignor.)

Simonson, Alfred J., assignor of one-fourth to D. Anton, Milwaukee, Wis. Dice game. 2,183,269; Dec. 12.

Sinclair Refining Company. (See Cole, Joseph, assignor.)

Singer, Henry, assignor of one-half to A. H. F. Lum, Honolulu, Hawaii. Amusement device. 2,183,468; Dec. 12.

Singer Manufacturing Company, The. (See Chason, D. H., and Park, assignors.)

Sipe, Harry E., New York, N. Y., assignor of one-half to N. L. Foster, Montclair, N. J. Solderless connector. 2,183,109; Dec. 12.

Six, Walter J., Indianapolis, Ind. Manufacturing piston rings. 2,183,358; Dec. 12.

Sixt, Johann, assignor to Consortium Fuer Elektrochemische Industrie, G. m. b. H., Munich, Germany. Producing polymerization product of ethylene. 2,183,154; Dec. 12.

Skok, Alois, and N. O. Binley, Pasadena, Calif. Automatic oscillating and rotary air controller for internal combustion engines and the like. 2,183,411; Dec. 12.

Sledd, Marvin B., Schenectady, N. Y., assignor to General Electric Company. Time delay relay. 2,183,412; Dec. 12.

Slick, Edwin E., Pittsburgh, Pa. Hinge. 2,183,413; Dec. 12.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,183,383; Dec. 12.

Slough, Ralph M., assignor to The Illinois Pipe Line Company, Findlay, Ohio. Liquid sampling apparatus. 2,183,338; Dec. 12.

Smith, Carroll C. (See Williams, I., and Smith.)

Smith, Elwood E., Chicago, Ill. Self-adjusting power transmission. 2,183,434; Dec. 12.

Smith, Frank B., assignor to The Dow Chemical Company, Midland, Mich. Cyclohexylated chloro-diphenyl ethers. 2,182,827; Dec. 12.

Smith, Joseph B., Cleveland, Ohio. Fishing rod tip protector. 2,183,414; Dec. 12.

Smith, Lawrence C., Kenmore, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Water cooler. 2,183,509; Dec. 12.

Smith, Robert W., Columbus, Ga. Insulated duct construction. 2,183,174; Dec. 12.

Smith, Samuel B. (See Mistery, F. S., and Smith.)

Smithells, Colin J., Rugby, assignor to The General Electric Company Limited, London, England. Manufacture of heavy metallic material. 2,183,359; Dec. 12.

Snavely, Clarence S., Swissvale, A. B. Miller, Edgewood, and A. P. Jackel, assignors to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,183,155; Dec. 12.

Société Générale Metallurgique de Hoboken. (See Leemans, Joseph P., assignor.)

Society of Chemical Industry in Basle. (See Hartmann, M., and Wettstein, assignors.)

Sola Electric Co. (See Sola, Joseph G., assignor.)

Sola, Joseph G., Oak Park, assignor to Sola Electric Co., Chicago, Ill. System for starting and operating gaseous discharge devices. 2,183,228; Dec. 12.

Soubier, Leonard D. (See Hoge, J. R., Soubier, and Mankin.)

Soubier, Leonard D. (See Mankin, L. O., and Soubier.)

Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Siphon head. 2,183,229; Dec. 12.

Southwestern Engineering Company. (See Coulter, C. D., and Cox, assignors.)

Sparklin, Charles H., assignor to Birtman Electric Company, Chicago, Ill. Thermostat. 2,183,469; Dec. 12.

Speckels, Emil, Chamberlain, S. Dak. Animal restraining apparatus. 2,183,470; Dec. 12.

Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)

Sperry Products, Inc. (See Drake, Harcourt C., assignor.)

Spicks, Jacob W., Mystic, Conn. Undulating cut-pile fabric splitting machine. 2,182,883; Dec. 12.

Spievak, Joseph. (See Kaiser, William F., assignor.)

Spiral Binding Co. Inc. (See Grumbacher, Walter, assignor.)

Squibb, E. R., & Sons. (See Earl, W., and Fleischman, assignors.)

Stanco, Incorporated. (See Lebo, Robert B., assignor.)

Standard Mfg. Co. (See Batcheller, Hugh W., assignor.)

Standard Oil Development Company. (See Boucher, Frank G., assignor.)

Standard Oil Development Company. (See Murphree, Eger V., assignor.)

Standard Oil Development Company. (See Uhrig, Leo V., assignor.)

Stans, Maurice, et al. (See Madigan, John F., assignor.)

Staresina, Charles S., Cleveland, Ohio. Shoe sole protecting device. 2,182,949; Dec. 12.

Steele, Alexis P., Statesville, N. C. Velocipede. 2,183,471; Dec. 12.

Staudinger, Hanns P., Ewell, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of unsaturated acids. 2,183,325; Dec. 12.

Staudinger, Hanns P. (See Auden, H. A., Staudinger, and Hutchinson.)

Steele, Eugene W., Sewaren, and F. A. Morin, Fords, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Material handling mechanism. 2,182,857; Dec. 12.

Steiner Sales Company. (See Birr, Rudolph G., assignor.)

Steinhoff, John, Chicago, Ill., assignor, by mesne assignments, to William A. Fairlie. Direction finder or course indicator. 2,182,950; Dec. 12.

Stevens, Horace D., assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio. Crating machine. 2,182,905; Dec. 12.

Stevenson, Allan B. (See Callender, A., and Stevenson.)

Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)

Stillman, Edwin A., Chester, and R. W. Dinzl, Westfield, assignors to The Watson-Stillman Co., Roselle, N. J. Tilting-head press. 2,182,884; Dec. 12.

Stone, Fred B., Haddon Heights, N. J., assignor to Radio Corporation of America. Resonance tuning indicator system. 2,183,206; Dec. 12.

Strassberger, Lothar. (See Serini, A., Strassberger, and Logemann.)

Stromberg, Olof E. E., Chicago, Ill. Brake for trailers. 2,183,371; Dec. 12.

Stuart, Kenneth E., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Supplying electrolyte to electrolytic cells. 2,183,299; Dec. 12.

Studebaker Corporation, The. (See Butzbach, O. K., and Churchill, assignors.)

Stuprich, Frank, Detroit, Mich. Garment cleaning device. 2,183,051; Dec. 12.

Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)

Stutsman, Ohmer E., and G. L. Becker, Dayton, Ohio. Bicycle. 2,182,828; Dec. 12.

Sundberg, Otto H., Brockton, Mass. Shoe heel clamp. 2,183,052; Dec. 12.

Sunfelt, Emil G., Seattle, Wash. Rotary ball mill. 2,183,156; Dec. 12.

Sundstrand Machine Tool Co. (See Granberg, B. R., and Ericson, assignors.)

Superheater Company, The. (See Barnes, John A., assignor.)

Sussman, Riva, New York, N. Y. Detachable cover for quilts and the like. 2,183,360; Dec. 12.

Swanson, Hjalmar A., assignor to Cummins Perforator Company, Chicago, Ill. Perforating machine. 2,183,361; Dec. 12.

Swartzbaugh Manufacturing Company, The. (See Hammell, Kemper M., assignor.)

Swedman, Perry, Seattle, Wash. Sluice box riffle. 2,183,157; Dec. 12.

Sweetland, William E., Piedmont, Calif. Arrow. 2,182,951; Dec. 12.

Taylor, Harden F., assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Vitamin preparation and making same. 2,183,053; Dec. 12.

Taylor, Irving A., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,183,494; Dec. 12.

Taylor, Thaddeus A., Lufkin, Tex. Air conditioning device. 2,182,973; Dec. 12.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hofer, Rudolf, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, H. O., and Diels, assignors.)

Teletype Corporation. (See Krum, H. L., and Reiber, assignors.)

Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Regulating apparatus. 2,183,110; Dec. 12.

Terry, Roger V., Hilton Village, assignor to Newport Shipbuilding and Dry Dock Company, Newport News, Va. Hydraulic turbine. 2,182,974; Dec. 12.

Tesmer, Stanley C., Berkeley, Mich. Solarium for auto trailers and the like. 2,183,111; Dec. 12.

Tesseyman, John E., and L. G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company. Car underframe structure. 2,183,054; Dec. 12.

Tetzlaff, Benjamin A., Riverside, Ill. Clamp. 2,183,175; Dec. 12.

Texas Gulf Sulphur Company. (See Bacon, R. F., and Bencowitz, assignors.)

Thaeler, Albert H., Greensboro, N. C. Christmas ornament. 2,183,326; Dec. 12.

Thermal Engineering Company. (See Bailey, George B., assignor.)

Thoma, Hans, Karlsruhe-Baden, Germany. Hydraulic device. 2,183,372; Dec. 12.

Thomas, Albert R., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Refrigeration. 2,182,934; Dec. 12.

Thomas, Albert R., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Refrigeration. 2,182,997; Dec. 12.

Thomas, Alden P., assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel pump. 2,183,510; Dec. 12.

Thomas, Norman M., Brooklyn, assignor to Joe Lowe Corporation, New York, N. Y. Making a fruit concentrate. 2,182,829; Dec. 12.

Thommes, John A., Chicago, Ill. Power driven rotary tooth brush or the like. 2,183,415; Dec. 12.

Thompson, Gustave R., New York, N. Y. Binder or holder for groups of periodicals and the like, and elements thereof. 2,182,858; Dec. 12.

Thornton, Word A., Amarillo, Tex. Nitroglycerine combination hook. 2,183,435; Dec. 12.

Timken Roller Bearing Company, The. (See Thomas, Alden P., assignor.)

Timpson, Lewis G. M., Plainfield, assignor to Pyrene-Minimax Corporation, Newark, N. J. Apparatus for distributing fire-extinguishing foam. 2,183,339; Dec. 12.

Tingley Reliance Rubber Corporation. (See Jackson, Walter C., assignor.)

Todd, Guerin, Shrewsbury, and O. Knight, Westfield, assignors to Hanson-Van Winkle-Munning Company, Matawan, N. J. Air conditioned buffing and polishing system. 2,182,952; Dec. 12.

Tolson, William A., Westmont, N. J., assignor to Radio Corporation of America. Deflecting circuits. 2,183,340; Dec. 12.

Tomme, William H., Donna, Tex. Attachment for crates. 2,183,176; Dec. 12.

Tondreau, Albert W., Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Film treating apparatus. 2,182,886; Dec. 12.

Towler, Frank H. (See Towler, John M. and F. H.)

Towler, John M. and F. H., Yorkshire, England. Reciprocating ram pump. 2,183,436; Dec. 12.

Trachsel, Ernst, Zurich, assignor of sixty percent to W. Huessy, Aaburg, Switzerland. Automatic adjustment for brakes. 2,182,416; Dec. 12.

Treece, Jesse H., H. L. Whitney, and H. W. Schneider, Toledo, Ohio, assignors to Libbey Glass Company. Tumbler decorating apparatus. 2,183,230; Dec. 12.

Trubenizing Process Corporation. (See Liebowitz, Benjamin, assignor.)

Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf binder. 2,183,231; Dec. 12.

Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)

Turner, Charles E., Forest Hill, London, England. Serviette-folding machine. 2,183,497; Dec. 12.

Turpan, James, Paterson, N. J. Inseam measuring device. 2,182,953; Dec. 12.

Turton, Matthew. (See Riley, J. W., and Turton.)

Tuttle, Edward J., Waterbury, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Apparatus for shaping fastener elements. 2,183,373; Dec. 12.

Uhrig, Leo V., Houston, Tex., assignor to Standard Oil Development Company. Borehole thermometer. 2,183,126; Dec. 12.

Una Welding, Inc. (See Burgett, Lynn S., assignor.)

Union Carbide and Carbon Research Laboratories. (See Vaughn, T. H., and Jackson, assignors.)

Union Spring and Manufacturing Company. (See Rullancich, John J., assignor.)

Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)

Union Switch & Signal Company, The. (See Culbertson, George A., assignor.)

Union Switch & Signal Company, The. (See McWhirter, W. C., and Little, assignors.)

Union Switch & Signal Company. (See Snavely, C. S., Miller, and Jackel, assignors.)

Unique Knitting Company, The. (See Ehlert, A. W., and Fonts, assignors.)

United Engineering & Foundry Company. (See Biggert, Florence C., Jr., assignor.)

United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)

United Shoe Machinery Corporation. (See Hart, Fred V., assignor.)

United Shoe Machinery Corporation. (See Kamborian, Jacob S., assignor.)

United Shoe Machinery Corporation. (See Robinson, Charles A., assignor.)

United Shoe Machinery Corporation. (See Whelton, John M., assignor.)

United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)

United States Gypsum Company. (See Scholz, Herman A., assignor.)

United States Hat Machinery Corporation. (See Genest, Homer A., assignor.)

United States Hoffman Machinery Corporation. (See Meyer, Henry C. A., assignor.)

United States Rubber Company. (See Hurt, Victor H., assignor.)

United States Rubber Company. (See Tuttle, Edward J., assignor.)

United States Rubber Company. (See Wikle, George F., assignor.)

Unke, Herman A., Cleveland, Ohio. Threading tool. 2,182,906; Dec. 12.

Upton, Frederick P., Millerton, N. Y. Spark plug cable terminal. 2,182,998; Dec. 12.

Vanadium Corporation of America. (See Mayer, Bruno, assignor.)

Van Cleave, Edwin E., Chicago, Ill. Housing for hand brake mechanism. 2,183,417; Dec. 12.

Van der Lee, Pieter J. (See Kauffmann, W., and van der Lee.)

Vanderpool, Earl L., assignor of one-fourth to S. H. Alexander, Poplar Bluff, and one-fourth to D. X. Greenberg, Kirkwood, Mo. Shoe repair machine. 2,183,055; Dec. 12.

Van Sann, Raymond H., assignor to Container Corporation of America, Chicago, Ill. Interior packing device. 2,183,177; Dec. 12.

Vaughn, Thomas H., and D. R. Jackson, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Research Laboratories, Inc. Preparing isophorone. 2,183,127; Dec. 12.

Vaughn Machinery Company. (See McIlvried, E. J., and Nye.)

Vaughn Machinery Company, The. (See Nye, M. A., and McIlvried, assignors.)

Vedder, Robert V., Oklahoma City, Okla. Wrist watch protector. 2,182,830; Dec. 12.

Viers, Eugene D., Lakewood, and B. C. Case, assignors, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Electrodeposition of nickel. 2,183,384; Dec. 12.

Voit, Willy, Stuttgart-Bad Cannstatt, and J. F. Janssen, Stuttgart, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Air separator for fuel pumping apparatus of internal combustion engines. 2,183,034; Dec. 12.

Vollmer, Heinrich, Biberach-Riss, assignor to Gustav Genschow & Co. Aktiengesellschaft, Berlin, Germany. Automatic firearm. 2,182,907; Dec. 12.

Von Lippmann, Ernst, assignor to Bohme Fettchemie-Gesellschaft m. b. H., Chemnitz, Germany. Sizing of rayon. 2,182,887; Dec. 12.

Vontobel, Jakob, Teufenthal, assignor to the firm Injecta Aktiengesellschaft, Teufenthal, Canton of Aargan, Switzerland. Die casting machine. 2,183,112; Dec. 12.

Vought, Russell R. (See Richardson, Harry W., assignor.)

Vulcan Corporation. (See Clausing, George, assignor.)

W. K. P. Oil Tool Co. (See Phipps, John T., assignor.)

Wackman, Louis B., St. Louis, Mo., assignor to American Flange & Manufacturing Co., Inc., Chicago, Ill. Drum bushing structure for containers and the like. 2,182,954; Dec. 12.

Wagner, Laurence A., Torrance, Calif. Paper roll holder. 2,182,831; Dec. 12

Walker Manufacturing Company. (See Gunn, Earl G., assignor.)

Walker, William C., York, Pa. Fluid meter. 2,183,374; Dec. 12.

Wallace, Archibald L., Northport, N. Y. Metal cutting tool. 2,182,975; Dec. 12.

Wallace, Harold E. (See Gardner, Vern, assignor.)

Walter, George A., Ithaca, N. Y. Stock feeding block. 2,183,437; Dec. 12.

Wardmore Corporation. (See Rose, Jay, assignor.)

Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)

Washington Institute of Technology, Inc. (See Kear, Frank G., assignor.)

Waterbury Farrell Foundry & Machine Company, The. (See Candee, Zenas P., assignor.)

Watson-Stillman Co., The. (See Stillman, E. A., and Dinzl, assignors.)

Webb, Elmer J., Syracuse, N. Y. Flexible dowel. 2,183,484; Dec. 12.

Weber, Johannes, Stuttgart-Feuerbach, and H. Heinrich, assignors to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany. Governor for internal combustion engines. 2,183,035; Dec. 12.

Weber, John A., Portland, Oreg. Sawmill equipment. 2,183,270; Dec. 12.

Wegerdt, Fritz, Chemnitz, assignor to Friedrich Klopp, Solingen-Waldkhid., Germany. Hydraulic drive for machine tools. 2,182,908; Dec. 12.

Weinberger, Maurice X. C., Brooklyn, N. Y. Building construction. 2,183,341; Dec. 12.

Weiske, Guenther, Mission, Tex. Ashtray. 2,183,375; Dec. 12.

Wendel, Frans B., Waterbury, Conn. Pipe fitting and producing the same. 2,183,271; Dec. 12.

Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Motor control system. 2,182,976; Dec. 12.

Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Centrifugal switch. 2,182,977; Dec. 12.

Western-Austin Company. (See Antos, Joseph, assignor.)

Western Electric Company. (See Kivley, Ray C., assignor.)

Western Electric Company. (See Roycroft, Walter R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Alsing, Carl F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Buchanan, Leslie B. M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)

Westinghouse Electric & Manufacturing Company. (See Kropp, Hermann, assignor.)

Westinghouse Electric & Manufacturing Company. (See Rawlins, Herbert L., assignor.)

Wettstein, Albert. (See Hartmann, M., and Wettstein.)

Whann, Rural W., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Rotary machine bushing arrangement. 2,182,935; Dec. 12.

Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for removing shoes from lasts. 2,182,832; Dec. 12.

Whitaker, Harvey, San Antonio, Tex. Open hole formation tester. 2,182,888; Dec. 12.

Whitmore, Edward E., assignor to Adlake Company, Chicago, Ill. Railway car vestibule diaphragm. 2,183,250; Dec. 12.

Whitney, Harry L. (See Treece, J. H., Whitney, and Schneider.)

Whittaker, William A., Dobbs Ferry, assignor to Anaconda Wire & Cable Company, New York, N. Y. Reel. 2,182,936; Dec. 12.

Wiebicke, Paul, Nuremberg, Germany. Fuel-injection plug-nozzle for Diesel motors. 2,183,284; Dec. 12.

Wiegand, Kurt. (See Alterthum, H., Lompe, and Wiegand.)

Wikle, George F., Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Device for slitting tire treads. 2,183,376; Dec. 12.

Wilbor, Oscar J. (See Guthrie, R. G., and Wilbor.)

Wilbur, Donald A., Troy, assignor to American Industrial Research, Inc., Albany, N. Y. Electrical wave receiving system. 2,183,232; Dec. 12.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Gear. 2,183,285; Dec. 12.

Wile, Daniel D., assignor to Detroit Lubricator Company, Detroit, Mich. Valve structure. 2,183,207; Dec. 12.

Willcox, Thomas W. J., assignor to Gerrard Industries Limited, Brentford, England. Strapping machine. 2,183,286; Dec. 12.

Williams, Helen F., Highland Park, Mich. Convertible coverlet and pillow. 2,183,418; Dec. 12.

Williams, Ira, Woodstown, and C. C. Smith, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing rubber. 2,183,342; Dec. 12.

Williams, Ollie M., and J. W. Baker, Vandalia, and B. F. Butler, Auxvasse, Mo. Antifreeze solution. 2,183,178; Dec. 12.

Willis, John S., Portsmouth, Ohio, assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Edge binding. 2,183,088; Dec. 12.

Wilson, John L. (See Bayliss, M., Wilson, and Ordal.)

Winegar, Edmund M., assignor to The Ohio Rubber Company, Willoughby, Ohio. Vulcanizing press. 2,182,833; Dec. 12.

Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lasting machine. 2,182,834; Dec. 12.

Witherow, William P. (See Henderson, Albert, assignor.)

Wolf, Abraham, assignor to Noma Electric Corporation, New York, N. Y. Electric light socket. 2,183,377; Dec. 12.

Wolfe, John W., administrator. (See Lincoln, B. H., and Henricksen.)

Wolfram, William S., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Automobile clutch. 2,182,999; Dec. 12.

Wolfram, William S., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch. 2,183,000; Dec. 12.

Wolfram, William S., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Friction clutch. 2,183,001; Dec. 12.

Wolverine Tube Company. (See Bradley, Guy H., assignor.)

Wonham, Fred S., New York, N. Y., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail joint shim. 2,183,272; Dec. 12.

Woodard, William E., Forest Hills, N. Y. Locomotive. 2,183,327; Dec. 12.

Wright Aeronautical Corporation. (See Daub, Rudolph, assignor.)

Wright Aeronautical Corporation. (See Hill, Henry C., assignor.)

Wright, Randall, San Buenaventura, Calif. Apparatus for orienting materials. 2,182,859; Dec. 12.

Wright, William F., Lisbon, Ohio. Manufacture of cutting files. 2,183,385; Dec. 12.

Yale & Towne Manufacturing Company, The. (See Johnstone, Theodore H., assignor.)

Yeager, Milburn E., Needham, Mass., assignor to National Engineering & Mfg. Co., Inc. Mechanical stoker. 2,183,386; Dec. 12.

Young, William P. (See Gibbs, J. T., and Young.)

Youngstown Sheet and Tube Company, The. (See Firth, Cyril, assignor.)

Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)

Zaiger, Louis, Lynn, Mass. Automobile bumper. 2,183,438; Dec. 12.

Zapis, William, Brooklyn, N. Y. Shoe lacing. 2,182,835; Dec. 12.

Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Apparatus for heat treating and forming clutch disks or the like. 2,183,300; Dec. 12.

Zeiss Ikon Aktiengesellschaft. (See Gäbler, Kurt, assignor.)

Zeiss Ikon Aktiengesellschaft. (See Schering, H., and Merz, assignors.)

Zimmermann, William F., Maplewood, and G. Davenport, Verona, assignors to Gould & Eberhardt, Newark, N. J. Roller bearing mounted work table. 2,183,362; Dec. 12.

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Work table. 2,183,363; Dec. 12.

Zink, William J., Birmingham, Ala., assignor to Mathews Conveyer Company, Ellwood City, Pa. Vegetable sizing apparatus. 2,183,233; Dec. 12.

Zummach, John G., Racine, Wis. Humidifier. 2,182,836; Dec. 12.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid esters from starch factory by-products, Production of fatty. S. M. Cantor. Re. 21,291; Dec. 12.

Centrifuge, Spinning. O. Bochmann. Re. 21,290; Dec. 12.

Game board. A. F. Hamilton. Re. 21,292; Dec. 12.

Oil purifying system. R. C. Osterstrom. Re. 21,299; Dec. 12.

Printing press, Two-revolution cylinder. A. E. Pearsall. Re. 21,300; Dec. 12.

Recorder for a well drill, Depth. G. P. Mizell. Re. 21,297; Dec. 12.

Regulator for aircraft driving gears. P. E. Köster. Re. 21,295; Dec. 12.

Room cooling apparatus. R. S. Nelson. Re. 21,298; Dec. 12.

Sound recording and reproducing system. C. R. Hanna. Re. 21,293; Dec. 12.

Spark plug. W. P. Innes, Jr. Re. 21,294; Dec. 12.

Wheel construction. G. A. Lyon. Re. 21,296; Dec. 12.

LIST OF PLANT INVENTIONS

Rose plant. D. Alcardi. 349; Dec. 12.

LIST OF DESIGN INVENTIONS

Alphabet. L. B. Biro. 118,098; Dec. 12.

Ashtray and receptacle, Combined. M. Hare. 118,043; Dec. 12.

Bathtub. F. C. Grimm. 118,014; Dec. 12.

Brassière. D. Blair. 118,099; Dec. 12.

Brush, Combination cloth and hair. F. R. Weber. 118,061; Dec. 12.

Burner, Oil. J. A. D'elia. 118,070; Dec. 12.

Cabinet and collapsible support therefor, Combined radio. D. Dillon. 118,106; Dec. 12.

Cabinet, Merchandise display. R. E. Eckberg. 118,071; Dec. 12.

Cart, Tea. W. I. Smith. 118,060; Dec. 12.

Carton, Display. F. W. Broderick. 118,010; Dec. 12.

Casing for a shoe machine. F. A. Prahl, Jr. 118,053; Dec. 12.

Chair. G. C. Gilkison. 118,039–41; Dec. 12.

Chair or similar article. L. Larsen. 118,019; Dec. 12.

Cleaner, Vacuum. O. M. Anderson and N. T. Almquist. 118,007; Dec. 12.

Coach body, Motor. W. O. Block. 118,105; Dec. 12.

Coat. J. A. Silverman. 118,107; Dec. 12.

Coat, Child's. B. Fischer. 118,038; Dec. 12.

Comb and curler, Combined. H. C. Schlicker. 118,058; Dec. 12.

Comb, hair smoother, and wrench, Combined. V. R. Piloggi. 118,021; Dec. 12.

Container or similar article, Merchandise. W. Kuehn. 118,049; Dec. 12.

Dial and hands for a watch or similar article, Combined. A. L. Scott. 118,026; Dec. 12.

Directory. A. J. Wethington. 118,030; Dec. 12.

Drawer pull or similar article. E. Borchers. 118,009; Dec. 12.

Dress. P. Fracchia. 118,100; Dec. 12.

Dress. P. C. Friend. 118,072; Dec. 12.

Dress. F. Perlberg. 118,094; Dec. 12.

Dress. K. Rost. 118,095–6; Dec. 12.

Dress. K. Rost. 118,102; Dec. 12.

Dress. J. Schwartz. 118,103; Dec. 12.

Dress. A. Wughalter. 118,104; Dec. 12.

Dress ensemble. I. Buchholz. 118,066–8; Dec. 12.

Dress ensemble. E. N. Perper. 118,101; Dec. 12.

Fabric or similar article, Textile. A. Domen. 118,037; Dec. 12.

Fabric, Ribbon. I. B. Simon. 118,097; Dec. 12.

Fabric, Textile. R. J. Murray. 118,077–93; Dec. 12.

Fabric, Woven textile. B. M. Kaufman. 118,046; Dec. 12.

Fabric, Woven textile. A. W. Roth. 118,055–6; Dec. 12.

Fastener, Slide. N. J. Poux. 118,022; Dec. 12.

Fish lure. S. M. Wright and A. D. McGill. 118,064; Dec. 12.

Frame, Combination. R. O. Kirchhan. 118,047; Dec. 12.

Game board. W. L. Deas. 118,036; Dec. 12.

Handbag or similar article. G. Murphy. 118,076; Dec 12.

Peck & Peck. (See Kuehn, Walda, assignor.)

Penker, Ernest. (See Ignall, T. J., and Penker.)

Perlberg, Fred, New York, N. Y. Dress. 118,094; Dec. 12.

Perper, Elfie N., New York, N. Y. Dress ensemble. 118,101; Dec. 12.

Pfeiffer, Arthur E., Worcester, Mass. Shoe. 118,020; Dec. 12.

Pileggi, Vincent R., Philadelphia, Pa. Combined comb, hair smoother and wrench. 118,021; Dec. 12.

Poux, Noel J., assignor to Talon, Inc., Meadville, Pa. Slide fastener. 118,022; Dec. 12.

Prahl, Frederick A., Jr., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Casing for a shoe machine. 118,053; Dec. 12.

Prahl, Frederick A., Jr., Hamilton, and C. C. Bell, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Spray booth. 118,054; Dec. 12.

Ramsthal, Alfred F., assignor to West Bend Aluminum Co., West Bend, Wis. Handle for sauce pans. 118,023; Dec. 12.

Reynolds, James C., Sheridan, Wyo. Statuette or similar article. 118,024; Dec. 12.

Reutter, Frederick. (See Hoffman, A. C., and Reutter.)

Reynolds Metals Company. (See Broderick, Frank W., assignor.)

Rixson, Oscar C., Co., The. (See Garrison, Forrest C., assignor.)

Rollocurl Corporation. (See Schlicker, Herman C., assignor.)

Rost, Katheryn, New York, N. Y. Dress. 118,095; Dec. 12.

Rost, Katheryn, New York, N. Y. Dress. 118,096; Dec. 12.

Rost, Katheryn, New York, N. Y. Dress. 118,102; Dec. 12.

Roth, Andrew W., Harrison, assignor to Roth-Getzoff & Company, New York, N. Y. Woven textile fabric. 118,055; Dec. 12.

Roth, Andrew W., Harrison, assignor to Roth-Getzoff & Company, New York, N. Y. Woven textile fabric. 118,056; Dec. 12.

Roth-Getzoff & Company. (See Roth, Andrew W., assignor.)

Saplone, James J., Port Chester, N. Y. Automobile ornament plate. 118,057; Dec. 12.

Schlicker, Herman C., Brooklyn, assignor to Rollocurl Corporation, New York, N. Y. Combined comb and curler. 118,058; Dec. 12.

Schultz, Victor J., Chicago, Ill. Ornament for graves. 118,025; Dec. 12.

Schwartz, Josephine, New York, N. Y. Dress. 118,103; Dec. 12.

Scott, Augusta L., Brooklyn, N. Y. Combined dial and hands for a watch or similar article. 118,026; Dec. 12.

Scovill Manufacturing Company. (See Hoffman, A. C., and Reutter, assignors.)

Sears, Roebuck and Co. (See Karstadt, Clarence, assignor.)

Shernov, Albert, New York, N. Y. Composite character sign. 118,059; Dec. 12.

Silverman, Jacob A., Brooklyn, N. Y. Coat. 118,107; Dec. 12.

Simon, Irwin B., San Francisco, Calif. Ribbon fabric. 118,097; Dec. 12.

Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Tea cart. 118,060; Dec. 12.

Talon, Inc. (See Poux, Noel J., assignor.)

Trojan, José, assignor to O. Housholder and D. C. Cohen, copartners, doing business as Crystal Manufacturing Co., Chicago, Ill. Combined display stand and mirror for electric safety razors. 118,027; Dec. 12.

United Shoe Machinery Corporation. (See Prahl, Frederick A., Jr., assignor.)

United Shoe Machinery Corporation. (See Prahl, F. A., Jr., and Bell, assignors.)

Vaisey, Harold C., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Medal or the like. 118,028; Dec. 12.

Webb, William T., Daly City, Calif. Hat display holder. 118,029; Dec. 12.

Weber, Frank R., Troy, assignor to Mohawk Brush Company, Albany, N. Y. Combination cloth and hair brush. 118,061; Dec. 12.

Welch, Fred S., and G. O. White, assignors to Clyde S. Payne, Jr., Los Angeles, Calif. Toy. 118,062; Dec. 12.

Wennerholm, Hugh A., Santa Monica, Calif. Photographic exposure calculator. 118,063; Dec. 12.

West Bend Aluminum Co. (See Ramsthal, Alfred F., assignor.)

Wethington, Adolph J., Dayton, Ohio. Directory. 118,030; Dec. 12.

White, Glyn O. (See Welch, F. S., and White.)

Widess, David, Pasadena, Calif. Finger ring or similar article. 118,031; Dec. 12.

Wolfe, R. M. (See Goodman, H., and Dillingham, assignors.)

Wright, Stanley M., and A. D. McGill, Denver, Colo. Fish lure. 118,064; Dec. 12.

Wughalter, Abraham, New York, N. Y. Dress. 118,104; Dec. 12.

Yellow Truck & Coach Manufacturing Company. (See Block, William O., assignor.)

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerometer. E. Bach. 2,183,002; Dec. 12.
Acids, Manufacture of derivatives of unsaturated. P. D. Ritchie, D. T. Jones, and R. Burns. 2,183,357; Dec. 12.
Acids, Manufacture of unsaturated. H. P. Staudinger. 2,183,325; Dec. 12.
Acoustical device. J. M. Franzblau. 2,182,865; Dec. 12.
Adjustable treatment pad. S. A. Albert. 2,182,861; Dec. 12.
Air brake. C. A. Campbell. 2,183,303; Dec. 12.
Air conditioner for automobiles, buses, and the like. J. T. Gibbs and W. P. Young. 2,183,452; Dec. 12.
Air conditioning device. T. A. Taylor. 2,182,973; Dec. 12.
Air conditioning method. R. R. Bottoms. 2,183,132; Dec. 12.
Air conditioning system. S. M. Anderson. 2,183,387; Dec. 12.
Air controller for internal combustion engines and the like, Automatic oscillating and rotary. A. Skok and N. O. Binley. 2,183,411; Dec. 12.
Aircraft, Apparatus for lifting or propelling. E. Dall'Asta. 2,183,186; Dec. 12.
Aircraft construction. L. C. McCarty, Jr., and R. G. Nightingale. 2,183,279; Dec. 12.
Aircraft, Rotative-winged. A. E. Larsen. 2,183,119; Dec. 12.
Aircraft, Steering. R. H. Goddard. 2,183,311; Dec. 12.
Air, Method and apparatus for conditioning. C. R. Downs. 2,183,136; Dec. 12.
Airplane generator and power system. A. C. Peterson. 2,183,151; Dec. 12.
Air propeller, Multiple. J. S. Kane. 2,183,195; Dec. 12.
Air separator for fuel pumping apparatus of internal combustion engines. W. Voit and J. F. Janssen. 2,183,034; Dec. 12.
Aldehyde and an olefin monohalide, Forming an. J. L. Amos. 2,183,036; Dec. 12.
Alloy: *See*—
Aluminum base alloy.
Alloy composition, Ferrous. J. V. Emmons. 2,183,014; Dec. 12.
Altimeter for aircraft, Ultra-short wave. R. A. Heising. 2,183,399; Dec. 12.
Aluminum base alloy. O. Dahl and H. Dallmann. 2,183,391; Dec. 12.
Amines, Manufacture of. L. H. Clark, J. F. Olin, and C. W. Delbel. 2,183,499; Dec. 12.
Amines, Production of. R. L. Hasche. 2,182,807; Dec. 12.
Amplifier, High frequency. W. J. Poch. 2,183,203; Dec. 12.
Amplifier, Neutralized high frequency. W. Buschbeck. 2,182,960; Dec. 12.
Amusement device. H. Singer. 2,183,468; Dec. 12.
Anchor rail clip. R. P. Clarkson. 2,183,513; Dec. 12.
Animal figure. J. G. Dietrich. 2,183,306; Dec. 12.
Animal restraining apparatus. E. Speckels. 2,183,470; Dec. 12.
Antifreeze solution. O. M. Williams, J. W. Baker, and B. F. Butler. 2,183,178; Dec. 12.
Antiskid device. W. C. Jackson. 2,183,321; Dec. 12.
Apparatus for distributing fire-extinguishing foam. L. G. M. Timpson. 2,183,339; Dec. 12.
Apparatus for indicating employment schedules. D. L. Burk. 2,183,183; Dec. 12.
Apparatus for manufacturing plaited upholstery with mismatched seams. A. S. Mitchell. 2,183,429; Dec. 12.
Apparatus for orienting materials. R. Wright. 2,182,859; Dec. 12.
Apparatus for pneumatic separation of materials of different specific gravities and sizes. F. F. Ridley. 2,183,281; Dec. 12.
Apparatus for straightening out deformities in mudguards. H. Hon. 2,183,427; Dec. 12.
Apparatus for treating loose flowable material. F. H. Barnsdale. 2,183,274; Dec. 12.
Arrow. W. E. Sweetland. 2,182,951; Dec. 12.
Arsenious oxide and product thereof, Inhibiting dusting of. M. F. Perkins. 2,183,337; Dec. 12.
Article formed of flexible strip material, Hollow. E. L. Diot. 2,183,475; Dec. 12.
Articles, Arranging. J. A. Rheinstrom. 2,183,433; Dec. 12.
Artificial ankle joint. W. F. Kaiser. 2,183,076; Dec. 12.
Ash-receiving attachment for restaurant tables. C. N. Palcologos. 2,182,947; Dec. 12.
Ashtray. R. M. Del Orsinee. 2,182,916; Dec. 12.
Ashtray. G. Weiske. 2,183,375; Dec. 12.
Ashtray, Mobile. E. H. Barbe. 2,183,419; Dec. 12.
Attachment for milling or other machines. V. Palumbo. 2,183,166; Dec. 12.
Attachment for shoe stretchers. J. Romano. 2,183,106; Dec. 12.
Automobile clutch. W. S. Wolfram. 2,182,999; Dec. 12.
Automobile control appliance. E. H. Lange. 2,183,354; Dec. 12.
Automobile marker lock. J. R. Purvis. 2,183,266; Dec. 12.
Automobile towing device. E. W. and E. W. Holmes, Jr. 2,183,478; Dec. 12.
Bag-opening machine. A. McCallum. 2,183,081; Dec. 12.
Ball, Grinding. C. W. Hagenbuch and F. A. McCoy. 2,182,865; Dec. 12.
Band, Garment. H. Hardie and J. F. Hargreaves. 2,183,257; Dec. 12.
Bar: *See*—
Mandrel bar.
Bars, Apparatus for making perforated angle. A. Henderson. 2,183,018; Dec. 12.
Basket and stand therefor, Combined. F. L. Humphrey. 2,183,455; Dec. 12.
Battery sediment measuring device, Storage. M. Rabl. 2,183,492; Dec. 12.
Bearing for rolling mills and the like. P. G. Palmgren. 2,182,994; Dec. 12.
Beater and mixer. E. R. Haemae. 2,182,984; Dec. 12.
Beater, Rotary. C. M. Herter. 2,182,921; Dec. 12.
Bed service. W. J. Maloney. 2,183,265; Dec. 12.
Bedtray and bedside table. G. F. Scriven. 2,183,410; Dec. 12.
Belt, Vegetable grader. J. Achatz. 2,183,439; Dec. 12.
Bench, Draw. M. A. Nye and E. J. McIlvried. 2,182,902; Dec. 12.
Bicycle. O. E. Stutsman and G. L. Becker. 2,182,828; Dec. 12.
Billfold. L. L. Gardner. 2,182,867; Dec. 12.
Binder, Loose-leaf. C. D. Trussell. 2,183,231; Dec. 12.
Binder or holder for groups of periodicals and the like, and elements thereof. G. R. Thompson. 2,182,858; Dec. 12.
Binding, Edge. J. S. Willis. 2,183,088; Dec. 12.
Binding, Ski. A. Refsdal. 2,183,171; Dec. 12.
Bit: *See*—
Demountable rock bit.
Blind, Venetian. H. R. Haase. 2,182,804; Dec. 12.
Blind, Venetian. H. R. Haase. 2,183,289-90; Dec. 12.
Block: *See*—
Stock feeding block.
Boat. E. G. Grant. 2,183,017; Dec. 12.
Boat, Collapsible. G. Fischer. 2,183,137; Dec. 12.
Boat for exercises. A. E. Brandon. 2,183,345; Dec. 12.
Boiler: *See*—
Superheater boiler.
Boiler. W. Robitzek and L. J. Bachler. 2,183,205; Dec. 12.
Boiler compound dispenser. J. W. Riley and M. Turton. 2,183,125; Dec. 12.
Boiler feeder. J. D. Jordan, D. F. Ellis, and C. W. Preston. 2,183,101; Dec. 12.
Boiler feeder. C. W. Preston, D. F. Ellis, and J. D. Jordan. 2,183,104; Dec. 12.
Boiler signal control. J. R. Brown. 2,183,422; Dec. 12.
Bond for rail joints, Electric. E. A. Everett. 2,182,798; Dec. 12.
Books, Binding. P. A. Frazier. 2,182,801; Dec. 12.
Bottle labeling machine. G. M. Biner. 2,182,785; Dec. 12.
Box: *See*—
Fill box.
Brace for folding tables, Leg. W. A. Griesedieck. 2,183,070; Dec. 12.
Brake: *See*—
Air brake.
Brake apparatus for semitrailer vehicles, Auxiliary. J. Cummings. 2,182,941; Dec. 12.
Brake for trailers. O. E. E. Stromberg. 2,183,371; Dec. 12.
Brake mechanism. E. O. Reynolds. 2,183,432; Dec. 12.
Brakes, Automatic adjustment for. E. Trachsel. 2,183,416; Dec. 12.
Braking means for hoisting devices, Automatic. J. Flodin. 2,182,800; Dec. 12.
Broaching machine, Interlocked duplex. K. C. Monroe. 2,183,430; Dec. 12.
Brooder. W. H. Brinton. 2,183,472; Dec. 12.
Brush, Hair. W. Hertzberg. 2,183,139; Dec. 12.
Buffing and polishing system, Air conditioned. G. Todd and O. Knight. 2,182,952; Dec. 12.
Building construction. M. X. C. Weinberger. 2,183,341; Dec. 12.

Building construction unit. R. W. McLaughlin, Jr. 2,183,381; Dec. 12.
Building flashing. G. W. and H. P. Orth. 2,182,877; Dec. 12.
Bumper, Automobile. L. Zalger. 2,183,438; Dec. 12.
Bushing arrangement, Rotary machine. R. W. Whann. 2,182,935; Dec. 12.
Bushing structure for containers and the like, Drum. L. B. Wackman. 2,182,954; Dec. 12.
Bushing, Telescopic. J. P. Marx. 2,183,296; Dec. 12.
Cable splice and the like. A. J. Hixon. 2,182,896; Dec. 12.
Cable supporting device. E. St. John. 2,182,885; Dec. 12.
Cable terminal, Spark plug. F. P. Upton. 2,182,998; Dec. 12.
Cam follower. O. Bochmann. 2,183,061; Dec. 12.
Camera, Motion picture. L. Goldhammer. 2,183,068; Dec. 12.
Can or container, Preserving. H. Karl. 2,182,872; Dec. 12.
Candy brushing machine. O. E. Segrin. 2,183,033; Dec. 12.
Cap: *See*—
Chimney cap.
Cap for paste tubes, Closure. H. H. Kelner. 2,183,456; Dec. 12.
Cap retainer. R. P. Rexroth. 2,182,855; Dec. 12.
Car construction. F. Ditchfield. 2,183,307; Dec. 12.
Car construction, Dining. J. W. Patton. 2,183,225; Dec. 12.
Car replacer. W. B. Boone. 2,183,181; Dec. 12.
Car underframe structure. J. E. Tesseyman and L. G Miller. 2,183,054; Dec. 12.
Carbon dioxide, Recovery of. G. T. Reich. 2,183,324; Dec. 12.
Carrier: *See*—
Sound record carrier.
Cart, Two-wheel hand. A. B. Fields. 2,183,066; Dec. 12.
Carton sealing machine. S. R. Howard. 2,183,163; Dec. 12.
Case: *See*—
Key case.
Casing, Well. E. F. Dooley. 2,183,308; Dec. 12.
Casting mold. F. Holz. 2,182,808; Dec. 12.
Cathode for cathode ray tube. H. O. Roosenstein and K. Diels. 2,182,881; Dec. 12.
Cathode ray tube. F. W. Hehlgans. 2,183,398; Dec. 12.
Cathode ray tube fluorescent screen. N. W. H. Addink and J. H. de Boer. 2,182,860; Dec. 12.
Cellulose derivative compositions, Manufacture of. H. A. Auden, H. P. Staudinger, and H. M. Hutchinson. 2,183,317; Dec. 12.
Cellulose ethers from coated paper, Recovering. R. D. Freeman. 2,183,039; Dec. 12.
Centering device for extruding presses. G. H. Bradley. 2,183,182; Dec. 12.
Centrifugal switch. C. J. Werner. 2,182,977; Dec. 12.
Chair: *See*—
Invalid chair.
Change speed gear. M. E. L. J. Husson. 2,183,193; Dec. 12.
Chimney cap. E. W. Kepple. 2,183,402; Dec. 12.
Chopper, Meat. P. Bonapace. 2,183,114; Dec. 12.
Chuck. C. H. Schurr. 2,183,369; Dec. 12.
Circuit: *See*—
Indicating circuit.
Circuits, Deflecting. W. A. Tolson. 2,183,340; Dec. 12.
Clamp: *See*—
Fishing line clamp. Shoe heel clamp.
Rooting clamp.
Clamp. B. A. Tetzlaff. 2,183,175; Dec. 12.
Clamping means for copy holders. J. J. Callin and E. Shantz. 2,183,276; Dec. 12.
Clarinet, Boehm system. O. E. Christensen. 2,183,423; Dec. 12.
Cleaner: *See*—
Seed cleaner. Suction cleaner.
Clip: *See*—
Anchor rail clip. Garment holding clip.
Clock, Alternating current direct-current. F. Conrad. 2,183,062; Dec. 12.
Closure. G. B. Duffield. 2,183,488; Dec. 12.
Clutch: *See*—
Automobile clutch. Friction clutch.
Clutch. O. I. Judelshon. 2,183,401; Dec. 12.
Clutch. W. S. Wolfram. 2,183,000; Dec. 12.
Clutch and transmission, Hydraulic. C. N. Mitchell. 2,183,403; Dec. 12.
Clutch control mechanism. S. Johnson, Jr. 2,183,481; Dec. 12.
Clutch mechanism. C. A. Robinson. 2,182,821; Dec. 12.
Coatings of high ohmic resistance in the interior of vacuum tubes, Producing. G. Brauer. 2,183,302; Dec. 12.
Coil, Induction. D. Pisarev. 2,182,820; Dec. 12.
Collar and making the same. B. Liebowitz. 2,183,242; Dec. 12.
Color-printing plates, Preparing. W. S. Marx, Jr. 2,183,143; Dec. 12.
Combustion chamber for aircraft. R. H. Goddard. 2,183,313; Dec. 12.
Combustion control system. G. J. Byrne. 2,183,184; Dec. 12.
Comparing device. S. H. Fleming. 2,183,095; Dec. 12.
Composition for application to pulleys and the like. J. Birnbaum. 2,182,774; Dec. 12.
Compression spring support. A. L. Riche. 2,182,856; Dec. 12.
Condenser and making the same, Electrolytic. C. de Lange and A. J. J. Lambeek. 2,183,092; Dec. 12.
Confectionery product and making the same, Frozen. A. H. Bayer. 2,182,784; Dec. 12.
Connecting mechanism. R. L. Hall. 2,183,138; Dec. 12.
Connector: *See*—
Electrical connector. Solderless connector.
Container: *See*—
Match container.
Container. E. L. Diot. 2,183,093; Dec. 12.
Container. H. G. Mann and W. F. Kinney. 2,182,813; Dec. 12.
Container closure. J. H. Murch. 2,182,818; Dec. 12.
Containers, Apparatus for forming extrusion. C. Davis. 2,183,304; Dec. 12.
Control device for dispensing mechanism. R. J. Freeman. 2,183,187; Dec. 12.
Control for hydraulic brakes, Auxiliary. D. Collins. 2,183,444; Dec. 12.
Control for pressing machines. G. W. Johnson. 2,183,194; Dec. 12.
Control means for a plurality of power units. G. B. Bailey. 2,183,364; Dec. 12.
Control means of land vehicles. A. C. Sampietro. 2,183,283; Dec. 12.
Control mechanism. W. R. Royeroft. 2,183,032; Dec. 12.
Cooler: *See*—
Water cooler.
Cooling device for liquids. E. W. Krug. 2,183,221; Dec. 12.
Corrosion preventive. R. B. Lebo. 2,182,992; Dec. 12.
Corset. J. J. Kispert. 2,182,848; Dec. 12.
Coupler. E. P. Kinne. 2,183,501; Dec. 12.
Coupling: *See*—
Pipe coupling.
Coupling provided with vibration absorbers, Disk. R. Binder. 2,183,130; Dec. 12.
Coupon book. A. S. Kalinowski. 2,183,241; Dec. 12.
Cover for quilts and the like, Detachable. R. Sussman. 2,183,360; Dec. 12.
Coverlet and pillow, Convertible. H. F. Williams. 2,183,418; Dec. 12.
Crane, Tractor operated. R. G. Le Tourneau. 2,183,263; Dec. 12.
Cranks for bicycles, velocipedes, etc., Making. G. E. Bullock. 2,182,958; Dec. 12.
Crate, Milk. M. C. Boone. 2,183,090; Dec. 12.
Crates, Attachment for. W. H. Tomme. 2,183,176; Dec. 12.
Crating machine. H. D. Stevens. 2,182,905; Dec. 12.
Cross-talk measuring and correcting apparatus. L. Hochgraf. 2,183,140; Dec. 12.
Current metering system. F. G. Kear. 2,183,316; Dec. 12.
Curtain, Flexible rolling. W. J. Laufersweiler. 2,183,495; Dec. 12.
Curtain rod threading device. H. F. Baacke. 2,183,328; Dec. 12.
Curtain suspension hook. G. F. French. 2,183,188; Dec. 12.
Cutting and creasing, Method and apparatus for. H. R. Herrmann. 2,183,400; Dec. 12.
Cylinder lock. T. H. Johnstone. 2,182,809; Dec. 12.
Damper mounting and regulating means. G. L. Kerentoff. 2,183,292; Dec. 12.
Decalcomania. F. W. Humphner. 2,183,315; Dec. 12.
Deep well pump. T. S. Harris. 2,183,351; Dec. 12.
Demountable rock bit. J. T. Phipps. 2,182,903; Dec. 12.
Dental projection, Apparatus for. J. A. Saffir. 2,182,822; Dec. 12.
Dentures, Fitting artificial. G. P. Brenner. 2,183,512; Dec. 12.
Derivatives of androstenols and making the same. A. Serini, L. Strassberger, and W. Logemann. 2,182,825; Dec. 12.
Device adapted for cleaning pipes. F. Buchhorn. 2,183,007; Dec. 12.
Device for balancing alternating machines. R. R. Sarazin. 2,183,467; Dec. 12.
Device for electric welding. H. F. M. Hollesen. 2,183,219; Dec. 12.
Device for measuring mechanical movements. E. Lehr and H. Granacher. 2,183,459; Dec. 12.
Device for sealing glass block halves together, Method and automatic. J. R. Hoge, L. D. Soubier, and L. O. Mankin. 2,182,986; Dec. 12.
Device for sharpening picker teeth. L. S. Eastman. 2,183,348; Dec. 12.
Diaphragm, Railway car vestibule. E. E. Whitmore. 2,183,250; Dec. 12.
Die. L. G. Freeman, Jr. 2,183,038; Dec. 12.
Die casting machine. J. Vontobel. 2,183,112; Dec. 12.
Die sinker, Universal. J. M. Rusnak. 2,183,172; Dec. 12.
Dies, Making. P. C. Abouchar. 2,182,775; Dec. 12.
Direction finder or course indicator. J. Steinhoff. 2,182,950; Dec. 12.
Dishwashing machine. A. N. Beaubien. 2,182,978; Dec. 12.

Dispenser: *See*—
Boiler compound dispenser.
Dispenser for collapsible tubes. J. H. Blake. 2,183,060; Dec. 12.
Dispersion of one fluid in another fluid, Creating a. R. G. Guthrie and O. J. Wilbor. 2,183,071; Dec. 12.
Display device. H. A. Hart. 2,183,426; Dec. 12.
Distortion in signal transmission systems, Reduction of. J. R. Davey and J. L. Hysko. 2,182,841; Dec. 12.
Distortion reducing system for grid-modulated amplifier. L. M. Craft. 2,182,790; Dec. 12.
Door: *See*—
Refrigerator door.
Dowel, Flexible. E. J. Webb. 2,183,484; Dec. 12.
Draft control means for gas heaters. H. E. Hagenbuch. 2,183,099; Dec. 12.
Drain, Surface. L. J. Day. 2,182,795; Dec. 12.
Drier. J. Miele. 2,183,200; Dec. 12.
Drill: *See*—
Percussion drill.
Drill and work holder. N. A. Lopez. 2,183,295; Dec. 12.
Drive, Flexible. N. E. Gee. 2,182,803; Dec. 12.
Drive, Flexible. N. E. Gee. 2,182,942; Dec. 12.
Drive for machine tools, Hydraulic. F. Wegerdt. 2,182,908; Dec. 12.
Drying apparatus. B. Offen. 2,183,298; Dec. 12.
Dust collection apparatus. H. W. Pfeffer and H. O. Danz. 2,182,854; Dec. 12.
Dust deflector. G. S. Kelley. 2,183,262; Dec. 12.
Dust hazard eliminator. E. C. and W. E. Gledhill, G. W. Newell, and H. H. Miller. 2,183,097; Dec. 12.
Dyestuffs and their manufacture, Trisazo. E. Senn. 2,183,087; Dec. 12.
Dyestuffs of the triarylmethane series, Chromable. W. Eckert and K. Schilling. 2,183,237; Dec. 12.
Dyestuffs, Monoazo. R. Fleischhauer. 2,183,489; Dec. 12.
Dynamo-electric machine. L. Greer. 2,183,396; Dec. 12.
Dynamo-electric machine. J. Grünschneder. 2,183,397; Dec. 12.
Egg material, Reconstitution of dried. L. D. Mink. 2,183,515; Dec. 12.
Egg material treatment. L. D. Mink. 2,183,516; Dec. 12.
Electric control mechanism. H. B. Middleton. 2,182,850; Dec. 12.
Electric discharge device, Gaseous. H. Alterthum and A. Lompe. 2,182,776–7; Dec. 12.
Electric discharge device, Gaseous. H. Alterthum and A. Lompe. 2,182,779–80; Dec. 12.
Electric discharge device, Gaseous. H. Alterthum, A. Lompe, and K. Wiegand. 2,182,778; Dec. 12.
Electric plug. V. Gardner. 2,183,067; Dec. 12.
Electric switch. H. W. Batcheller. 2,182,937; Dec. 12.
Electrical connections, Making. R. L. Lunsford. 2,182,968; Dec. 12.
Electrical connector. E. O. Allen. 2,183,179; Dec. 12.
Electrical connector. C. E. Gilbert. 2,183,016; Dec. 12.
Electrical wave receiving system. D. A. Wilbur. 2,183,232; Dec. 12.
Electrocoustical apparatus. L. J. Anderson. 2,183,209; Dec. 12.
Electrode structure. W. Henneberg and A. Recknagel. 2,182,869; Dec. 12.
Electrolyte to electrolytic cells, Supplying. K. E. Stuart. 2,183,299; Dec. 12.
Electrolytic cell. A. F. P. J. Claassen and C. de Lange. 2,183,091; Dec. 12.
Electron multiplier. W. Flechsig and R. Behne. 2,183,309; Dec. 12.
Electronic discharge testing device and contactor. R. S. Hart. 2,183,333; Dec. 12.
Electro-optical system. F. W. Reynolds. 2,183,204; Dec. 12.
Emulsions, Breaking. I. M. Colbeth. 2,183,487; Dec. 12.
End zone retardation control system. K. Schlebeler. 2,183,409; Dec. 12.
Engine: *See*—
Internal combustion engine.
Engine balancing. C. W. Iseler. 2,182,988; Dec. 12.
Engine with rotary valve, Combustion. H. and M. Manrodt. 2,183,122; Dec. 12.
Engines, Regulation of internal combustion. E. Schimanek. 2,182,933; Dec. 12.
Equipment for wells, Producing. W. L. Church. 2,182,890; Dec. 12.
Esters of N-alkyl-piperidine-carboxylic acid, Carbocyclic hydroxyl alcohol. O. Dalmer and C. Diehl. 2,182,791–2; Dec. 12.
Ethers, Cyclohexylated chloro-diphenyl. F. B. Smith. 2,182,827; Dec. 12.
Ethers of benzophenone, Hydroxy-alkyl. G. H. Coleman and C. L. Moyle. 2,182,786; Dec. 12.
Ethers, Preparation of terpene. D. H. Sheffield. 2,182,826; Dec. 12.
Exhaust silencer. E. G. Gunn. 2,182,945; Dec. 12.
Expansion pipe joint. R. K. and S. C. V. Pepper. 2,182,995; Dec. 12.
Eyeglass construction. G. E. Nerney. 2,182,970; Dec. 12.
Eyeleting machine. S. L. Gookin. 2,183,069; Dec. 12.
Fabric splitting machine, Undulating cut-pile. J. W. Spicks. 2,182,883; Dec. 12.
Fabrics consisting wholly or partly of rubber elastic threads, Manufacture of. T. L. Shepherd. 2,182,996; Dec. 12.
Fabrics, Making multi-ply woven. T. L. Shepherd. 2,182,882; Dec. 12.
Facing unit. D. Filangeri. 2,183,450; Dec. 12.
Fan, Ventilating. H. Kropp. 2,183,079; Dec. 12.
Fastener: *See*—
Metal fastener.
Snap fastener.
Fastener elements, Apparatus for shaping. E. J. Tuttle. 2,183,373; Dec. 12.
Fasteners, Making. G. E. Prentice. 2,183,169; Dec. 12.
Fastening device for covers and the like. H. R. Barnicoat. 2,183,440; Dec. 12.
Feed control. E. S. Mason. 2,183,026; Dec. 12.
Feeder: *See*—
Boiler feeder.
Fence and the like, Jointer. A. Haas. 2,183,190; Dec. 12.
Fertilizer, Dispensing and applying. C. A. Pipenhagen. 2,182,878; Dec. 12.
Fertilizer soluble in citric acid, Producing a phosphatic. H. H. Franck and F. J. Kaess. 2,183,379; Dec. 12.
Files, Manufacture of cutting. W. F. Wright. 2,183,385; Dec. 12.
Filibox. F. F. Rike. 2,183,282; Dec. 12.
Film or foil webs and the like, Apparatus for the manufacture of cellulose. E. Czapek. 2,183,255; Dec. 12.
Film, Photographic. M. Marasco. 2,182,814; Dec. 12.
Film rewind device. J. M. Goldberg. 2,182,944; Dec. 12.
Film treating apparatus. A. W. Tondreau. 2,182,886; Dec. 12.
Films, Applying. W. Earl and G. W. Fleischman. 2,183,064; Dec. 12.
Filter: *See*—
Wave filter.
Filter. H. C. A. Meyer. 2,183,368; Dec. 12.
Firearm, Automatic. H. Vollmer. 2,182,907; Dec. 12.
Fireplace heater, Portable. R. A. Lathrop. 2,183,458; Dec. 12.
Fish lure. S. E. Bacon. 2,183,059; Dec. 12.
Fishing line clamp. B. L. Conterman. 2,183,445; Dec. 12.
Fishing rod handle. W. E. Moulton. 2,182,901; Dec. 12.
Fishing rod tip protector. J. B. Smith. 2,183,414; Dec. 12.
Floor covering insert. E. R. Guise. 2,183,041; Dec. 12.
Fluid meter. W. C. Walker. 2,183,374; Dec. 12.
Fluid pressure system. F. E. Brady. 2,183,421; Dec. 12.
Football charging machine. R. A. Noor. 2,183,465; Dec. 12.
Form and hanger, Hat. G. J. Kraft. 2,182,924; Dec. 12.
Friction clutch. W. S. Wolfram. 2,183,001; Dec. 12.
Fruit concentrate, Making a. N. M. Thomas. 2,182,829; Dec. 12.
Fruit, Treating. J. P. Ioannu. 2,182,965; Dec. 12.
Fuel pump. A. P. Thomas. 2,183,510; Dec. 12.
Fuel storage and discharge apparatus. R. H. Goddard. 2,183,312; Dec. 12.
Fuse, Drop-out open cut-out. H. L. Rawlins. 2,183,083; Dec. 12.
Game. J. T. Blanck. 2,182,957; Dec. 12.
Game. E. S. Savage. 2,183,107; Dec. 12.
Game apparatus. H. E. Robinson. 2,183,506; Dec. 12.
Game, Dice. A. J. Simonson. 2,183,269; Dec. 12.
Garment cleaning device. F. Stuprich. 2,183,051; Dec. 12.
Garment holding clip. L. Oliver. 2,182,853; Dec. 12.
Gas and air mixing device. M. F. Kowalski. 2,182,874; Dec. 12.
Gas and manufacturing acetaldehyde therewith, Purifying acetylene. E. M. Murphree. 2,183,148; Dec. 12.
Gases containing carbon monoxide, Converting. F. Bössner and C. Marischka. 2,183,301; Dec. 12.
Gaseous discharge devices, System for starting and operating. J. G. Sola. 2,183,228; Dec. 12.
Gate lock. T. E. Haught. 2,183,291; Dec. 12.
Gauge: *See*—
Strain gauge.
Gear: *See*—
Change speed gear.
Radial engine valve gear.
Gear. E. Wildhaber. 2,183,285; Dec. 12.
Gearing. B. R. Granberg and A. G. Ericson. 2,183,514; Dec. 12.
Gearing, Variable-speed. A. J. Lenox. 2,183,460; Dec. 12.
Gelatin, Making activated S. Reynolds. 2,183,084; Dec. 12.
Generator: *See*—
Oscillation generator
Germicidal and antiseptic composition. M. J. Rentschler and D. B. Bradner. 2,183,493; Dec. 12.
Germicidal detergent. M. Bayliss, J. L. Wilson, and E. J. Ordal. 2,183,037; Dec. 12.
Glow lamp. L. A. Herzig. 2,183,042; Dec. 12.
Governor for internal combustion engines. J. Weber and H. Heinrich. 2,183,035; Dec. 12.
Grader. J. Antos. 2,183,058; Dec. 12.
Grate assembly for self-feed magazine boilers, Reciprocating. S. J. La Grenade. 2,183,457; Dec. 12.
Grille, Adjustable. J. F. Farmer. 2,183,331; Dec. 12.
Grinding machine. I. A. Taylor. 2,183,494; Dec. 12.

Grinding machine, Hydraulically operated cylindrical. C. G. Flygare. 2,183,490; Dec. 12.
Grinding wheel for soft materials. A. Montagné. 2,183,082; Dec. 12.
Gripping and coupling means. S. V. Dillon. 2,182,797; Dec. 12.
Guard, Window. S. Dorf. 2,183,135; Dec. 12.
Gun mount and ammunition container therefor, Shielded flexible. J. F. Haberlin. 2,182,868; Dec. 12.
Gyroscopic apparatus for directing flight. R. H. Goddard. 2,183,314; Dec. 12.
Hair waving or curling device. S. B. Beliaeff. 2,183,275; Dec. 12.
Handbag, Lady's. E. S. Rinehart. 2,182,879; Dec. 12.
Handle: *See*—
Fishing rod handle.
Handle for electrically driven tools, Operating. W. A. Frantz. 2,183,310; Dec. 12.
Hanger and clothes support, Combination coat. E. C. Gerow. 2,183,319; Dec. 12.
Heat exchanger. C. D. Coulter and E. R. Cox. 2,183,160; Dec. 12.
Heat treating and forming clutch disks or the like, Apparatus for. R. C. Zeidler. 2,183,300; Dec. 12.
Heater: *See*—
Fireplace heater.
Heating device, Induction. D. Pisarev. 2,182,819; Dec. 12.
Heddle construction. H. O. Coddington. 2,182,914; Dec. 12.
Heel, Detachable. B. T. Hewson. 2,183,218; Dec. 12.
Hinge. L. Anderson. 2,183,210; Dec. 12.
Hinge. E. E. Slick. 2,183,413; Dec. 12.
Holder: *See*—
Drill and work holder.
Match holder.
Knife holder.
Paper roll holder.
Holder for nursing bottles. T. G. Haritos. 2,183,332; Dec. 12.
Hook: *See*—
Curtain suspension hook.
Nitroglycerine combination hook.
Hopper construction. L. H. Garlinghouse. 2,182,893; Dec. 12.
Horizon, Artificial. L. E. Carter. 2,183,133; Dec. 12.
Horizontal redraw press. Z. P. Candee. 2,183,287; Dec. 12.
Housing for hand brake mechanism. E. E. Van Cleave. 2,183,417; Dec. 12.
Housing for light-sensitive cell or the like. L. N. Hopkins. 2,182,987; Dec. 12.
Humidifier. J. G. Zummach. 2,182,836; Dec. 12.
Hydraulic device. H. Thoma. 2,183,372; Dec. 12.
Hydrocarbons and their derivatives containing oxygen, Production of valuable. W. Michael. 2,183,146; Dec. 12.
Hydrocarbons, Producing. W. Michael and W. Jaeckh. 2,183,145; Dec. 12.
Hydrocarbons, Purification of chlorinated aliphatic. J. H. Reilly. 2,183,046; Dec. 12.
Hysteresis torque motor. W. J. Morrill. 2,183,404; Dec. 12.
Ice creeper. A. Pikulik. 2,183,246; Dec. 12.
Ignition harness. H. C. Hill. 2,183,020; Dec. 12.
Illuminating device for projectors. H. Schering and A. Nerz. 2,183,249; Dec. 12.
Illuminating means for signs and show cases. F. J. Hoke. 2,183,352; Dec. 12.
Impact member, Auxiliary. G. A. Lyon. 2,182,898; Dec. 12.
Incandescent lamp. W. Röver. 2,182,904; Dec. 12.
Indicating circuit. B. G. Bjornson. 2,183,389; Dec. 12.
Indicator: *See*—
Direction finder or course indicator.
Injector. Y. H. Kurkjian. 2,183,482; Dec. 12.
Inseam measuring device. J. Turpan. 2,182,953; Dec. 12.
Insect exterminator. M. E. Dodder. 2,182,863; Dec. 12.
Insulated duct construction. R. W. Smith. 2,183,174; Dec. 12.
Intaglio printing press. H. J. Luehrs. 2,183,222; Dec. 12.
Internal combustion engine. J. S. Coates. 2,183,116; Dec. 12.
Internal combustion engine. F. F. Kishline. 2,182,990; Dec. 12.
Internal combustion engine, Multicylinder. J. B. Gabrielson. 2,182,866; Dec. 12.
Invalid chair. F. W. Connolly. 2,182,915; Dec. 12.
Isophorone, Preparing. T. H. Vaughn and D. R. Jackson. 2,183,127; Dec. 12.
Jack: *See*—
Vehicle lifting jack.
Joint: *See*—
Artificial ankle joint.
Welded rail joint.
Expansion pipe joint.
Joint for levels and squares. D. E. Semon. 2,183,086; Dec. 12.
Joint sealing and expanding means, Piston ring. H. E. Muchnic. 2,182,851; Dec. 12.
Keg. G. D. Peet. 2,183,505; Dec. 12.
Ketones of the sterol series, Separating. F. Hanusch. 2,183,072; Dec. 12.
Key case. O. Halvorsen. 2,183,453; Dec. 12.
Kit, Purse kit. A. H. McNary. 2,183,428; Dec. 12.
Knife holder. H. H. Hopkins. 2,183,074; Dec. 12.
Knife, Safety push button. E. J. Conklin. 2,183,378; Dec. 12.
Knitting machine. A. W. Ehlert and T. R. Fouts. 2,183,216; Dec. 12.
Knitting machine. D. Siegel. 2,183,050; Dec. 12.
Knitting machine, Flat. O. Miller. 2,183,201; Dec. 12.
Labeling machine. G. A. Robinson. 2,183,153; Dec. 12.
Ladder, Metallic. R. P. Beggs. 2,183,251; Dec. 12.
Lamp: *See*—
Glow lamp.
Incandescent lamp.
Lamp construction comprising a reflector. F. L. G. Schneider. 2,183,048; Dec. 12.
Lasting machine. E. E. Winkley. 2,182,834; Dec. 12.
Latch mechanism. A. Levine. 2,183,121; Dec. 12.
Lathe, Copying. G. Clausing. 2,183,134; Dec. 12.
Lead and alloys thereof, Purification of. G. E. Behr. 2,183,420; Dec. 12.
Lens, Trial. K. N. Ogle. 2,183,028; Dec. 12.
Lid, Journal box. J. J. Rudancich. 2,183,407–8; Dec. 12.
Lifting and pulling device. F. D. Parker. 2,183,124; Dec. 12.
Light: *See*—
Signal light.
Light and the like, Glass-roof roof. L. W. Mulford. 2,182,852; Dec. 12.
Light-sensitive material and making the same. C. J. Dippel, R. J. H. Alink, and K. J. Keuning. 2,183,447; Dec. 12.
Lighter and dispenser, Automatic cigarette. E. W. Allen. 2,182,955; Dec. 12.
Lighter, Battery operated. H. Negbaur. 2,183,382; Dec. 12.
Lighter for wick oil burners, Gas. E. L. Baker. 2,183,273; Dec. 12.
Lighting system. L. N. Mestre. 2,183,462; Dec. 12.
Line resonator and electron discharge device circuit therefor. O. E. Dow. 2,183,215; Dec. 12.
Linings, Obtaining copper. P. Misciattelli. 2,183,202; Dec. 12.
Liquid control. W. J. Hughes. 2,183,075; Dec. 12.
Liquid distributing device. V. H. Matthews. 2,182,927; Dec. 12.
Liquid measuring and dispensing device. H. Selitzky. 2,183,370; Dec. 12.
Liquid sampling apparatus. R. M. Slough. 2,183,338; Dec. 12.
Liquids, Atomizing. A. J. Loepsinger. 2,182,897; Dec. 12.
Liquids, Treating. I. M. Colbeth. 2,183,486; Dec. 12.
Loading machine. G. G. Bennett. 2,182,838; Dec. 12.
Loading machine. W. W. Sloane. 2,183,383; Dec. 12.
Lock: *See*—
Automobile marker lock.
Gate lock.
Cylinder lock.
Slide fastener lock.
Lock construction. K. H. Pond. 2,183,168; Dec. 12.
Lock for luggage cases and other containers. A. Levine. 2,183,120; Dec. 12.
Locomotive. W. E. Woodard. 2,183,327; Dec. 12.
Lubricant. B. H. Lincoln and A. Henriksen. 2,183,294; Dec. 12.
Lubricating apparatus. E. W. Davis. 2,183,013; Dec. 12.
Lubrication system for automotive axles. G. W. Carlson and R. C. Russell. 2,182,889; Dec. 12.
Lug, Tractor wheel. O. B. Nash. 2,183,464; Dec. 12.
Machine and bushing therefor, Rotary. W. D. Davidson. 2,182,793; Dec. 12.
Machine for feeding and shearing strip material. W. R. Chesley. 2,183,159; Dec. 12.
Machine for making a spirally bound sheaf. W. Grumbacher. 2,182,844; Dec. 12.
Machine for operating on shoes. E. Quinn. 2,183,170; Dec. 12.
Machine for operating upon nuts. A. J. and C. W. Lloyd. 2,183,080; Dec. 12.
Machine for operating upon soles. F. V. Hart. 2,182,806; Dec. 12.
Machine for removing shoes from lasts. J. M. Whelton. 2,182,832; Dec. 12.
Machine for shaping rubber mats and the like. E. J. Scott. 2,183,508; Dec. 12.
Machine for shrinking hat bats. H. A. Genest. 2,183,238; Dec. 12.
Machine tool. G. K. McKee and C. E. Bernitt. 2,183,297; Dec. 12.
Machine tool, Heat treating. W. H. Farr. 2,182,799; Dec. 12.
Magnesium dust into compact metallic magnesium, Converting. K. Erdmann. 2,183,392; Dec. 12.
Mandrel bar. B. Bannister. 2,182,910; Dec. 12.
Market quotation selector. H. L. Krum and A. H. Reiber. 2,183,022; Dec. 12.
Mast with movable eyes, Flexible. S. Marcus. 2,183,025; Dec. 12.
Mat, Fire. F. W. Bennett. 2,183,113; Dec. 12.
Match book machine. S. E. Rahe. 2,183,029; Dec. 12.
Match container. L. R. Atkins. 2,182,909; Dec. 12.
Match holder. D. O. Ford. 2,183,096; Dec. 12.
Match packets and the like, Mechanism for assembling. W. Roberts. 2,182,880; Dec. 12.

Material and article made therefrom, Laminated sheet. V. H. Hurt. 2,183,380; Dec. 12.
Material collecting and loading apparatus. T. K. and T. Andersen. 2,182,781; Dec. 12.
Material cutter and stacker. N. R. Jones and B. R. Carson. 2,182,871; Dec. 12.
Material for producing photographic dye images, Light-sensitive. B. Gaspar. 2,183,395; Dec. 12.
Material handling apparatus. R. C. Kivley. 2,182,966; Dec. 12.
Material handling mechanism. E. W. Steele and F. A. Morin. 2,182,857; Dec. 12.
Materials containing tantalum and niobium, Treatment of. J. P. Leemans. 2,183,517; Dec. 12.
Materials, Sizing of textile. H. Rein. 2,183,226; Dec. 12.
Materials used in metallurgical processes, Flotation of. B. D. Crawford. 2,183,500; Dec. 12.
Measuring instrument. J. R. Barnhart. 2,183,180; Dec. 12.
Meat treatment. K. C. Eikel. 2,182,891; Dec. 12.
Medical and surgical apparatus. A. F. Burton. 2,183,318; Dec. 12.
Mercury cathode discharge tube. T. Jurriaanse. 2,183,102; Dec. 12.
Mercury switch. A. C. Lindström. 2,183,198; Dec. 12.
Metal cutting tool. A. L. Wallace. 2,182,975; Dec. 12.
Metal, Direct rolling of hot. C. D. Coxe. 2,183,010; Dec. 12.
Metal fastener. J. Meersteiner. 2,183,243; Dec. 12.
Metallic material, Manufacture of heavy. C. J. Smithells. 2,183,359; Dec. 12.
Meter: *See*—
Fluid meter. Multiple gravity meter.
Mill: *See*—
Rotary ball mill. Vertical edging mill.
Rubber mill.
Miller, Road. E. C. Gledhill. 2,183,098; Dec. 12.
Milling machine for copying or profiling. H. F. Atkins. 2,183,344; Dec. 12.
Mold: *See*—
Casting mold.
Mold material for casting metals. G. C. Clark. 2,183,424; Dec. 12.
Molding, Ornamental panel supporting. P. J. Feykert. 2,183,065; Dec. 12.
Monolongéron construction for heavier-than-air craft. D. G. Moss. 2,183,323; Dec. 12.
Mordant and making same. H. E. Bode. 2,183,390; Dec. 12.
Motor: *See*—
Hysteresis torque motor.
Motor control, Automatic. J. J. Neuman. 2,183,491; Dec. 12.
Motor control system. C. J. Werner. 2,182,976; Dec. 12.
Mount for light valves, Ribbon. O. C. Martin. 2,182,849; Dec. 12.
Multiple gravity meter. F. G. Boucher. 2,183,115; Dec. 12.
Nest, Hen. B. A. Grasberger. 2,183,320; Dec. 12.
Nickel, Electrodeposition of. E. D. Viers and B. C. Case. 2,183,384; Dec. 12.
Nitroglycerine combination hook. W. A. Thornton. 2,183,435; Dec. 12.
Nozzle tester, Hydraulic. F. L. Gormley. 2,183,189; Dec. 12.
Oil, Lubricating. J. Cole. 2,183,009; Dec. 12.
Oil resistant composition. W. H. Butler. 2,183,234; Dec. 12.
Oils, Apparatus and process for flashing mineral. M. R. Fenske and W. B. McCluer. 2,183,094; Dec. 12.
Oiling system. E. O. Schjolin. 2,182,948; Dec. 12.
Olefins, Polymerization of. A. McAlevy. 2,183,503; Dec. 12.
Ore dressing. B. R. Harris. 2,182,845; Dec. 12.
Organic compounds, Treatment of. J. F. Olin. 2,183,405; Dec. 12.
Ornament, Christmas. A. H. Thaeler. 2,183,326; Dec. 12.
Oscillation generator. K. W. Jarvis and R. M. Blair. 2,182,870; Dec. 12.
Oven, Bake. W. F. Drew. 2,183,236; Dec. 12.
Overload protective switch. W. H. Frank. 2,182,861; Dec. 12.
Package. P. P. Sanford. 2,182,932; Dec. 12.
Packaging and resulting articles. R. G. Drew. 2,183,330; Dec. 12.
Packer. J. W. MacClatchie. 2,182,899; Dec. 12.
Packing device, Interior. R. H. Van Saun. 2,183,177; Dec. 12.
Packing, Machinery. N. B. Miller. 2,183,336; Dec. 12.
Packing material. J. A. Campbell and S. C. Carter. 2,183,347; Dec. 12.
Pad: *See*—
Adjustable treatment pad.
Paint for wet surfaces, Oil. H. A. Scholz. 2,183,227; Dec. 12.
Paint, Ship bottom. G. Capurro. 2,182,840; Dec. 12.
Panel board wiring apparatus. E. C. W. Johnson. 2,182,847; Dec. 12.
Paper making machinery. J. B. Mehaffey. 2,182,928; Dec. 12.
Paper, Manufacture of carbon. J. Burgmer. 2,183,474; Dec. 12.
Paper roll holder. L. A. Wagner. 2,182,831; Dec. 12.
Papers, Recovering and reusing constituents of waxed. A. M. Hill. 2,183,259; Dec. 12.
Paraffin remover. G. F. Penrod. 2,182,931; Dec. 12.
Parallel lines, Drawing. H. L. De Lisle. 2,183,214; Dec. 12.
Paving. R. F. Bacon and I. Bencowitz. 2,182,837; Dec. 12.
Pen, Fountain. B. Carlisle. 2,183,213; Dec. 12.
Pencil bushing and clip. G. A. Goessling. 2,183,350; Dec. 12.
Pencil, Mechanical. H. S. Hasselquist. 2,182,846; Dec. 12.
Percussion drill. J. J. Rawlings. 2,183,466; Dec. 12.
Perforating machine. H. A. Swanson. 2,183,361; Dec. 12.
Phase displacement detector. R. Hofer. 2,183,260; Dec. 12.
Phenols, Hydrogenating mono nitrated. C. O. Henke, W. A. Douglass, and R. G. Benner. 2,183,019; Dec. 12.
Phosphates, Liquid triaryl. C. L. Moyle. 2,182,817; Dec. 12.
Photoelectric cell. K. Gäbler. 2,183,256; Dec. 12.
Photographic compositions and processes, Color-forming. E. B. Middleton and A. B. Jennings. 2,182,815; Dec. 12.
Photographic elements containing antihalation layers. G. A. Dawson. 2,182,794; Dec. 12.
Photographic material and process for the production of multicolor pictures. B. Gaspar. 2,183,394; Dec. 12.
Photographs and cinematographic pictures on a transparent film, Process and material for producing three color. B. Gaspar. 2,183,393; Dec. 12.
Photographs, Obtaining color. A. H. J. de Lassus Saint Genies. 2,183,305; Dec. 12.
Physical characteristics, Automatic control of variable. A. Callender and A. B. Stevenson. 2,183,235; Dec. 12.
Picture apparatus, Sound motion. G. B. Banks. 2,183,211; Dec. 12.
Pictures, Production of still or motion. A. N. Goldsmith. 2,183,217; Dec. 12.
Pipe coupling. E. H. Kocher. 2,182,811; Dec. 12.
Pipe fitting and producing the same. F. B. Wendel. 2,183,271; Dec. 12.
Piston cooling arrangement. E. V. Rippingille. 2,183,031; Dec. 12.
Piston ring. V. M. Lutz. 2,183,199; Dec. 12.
Piston rings, Manufacturing. W. J. Six. 2,183,358; Dec. 12.
Plaiting machine. A. Germain. 2,182,943; Dec. 12.
Plate or tag, Automobile. A. S. Hainsworth. 2,182,919; Dec. 12.
Plug-nozzle for Diesel motors, Fuel-injection. P. Wiebicke. 2,183,284; Dec. 12.
Plug: *See*—
Electric plug.
Plug valve. S. J. Nordstrom. 2,182,930; Dec. 12.
Polyesters, Preparing. W. A. Lazier. 2,182,991; Dec. 12.
Polymerization products of ethylene, Producing. J. Sixt. 2,183,154; Dec. 12.
Power-driven hand-guided machine. F. Manz and K. Rosenfelder. 2,182,926; Dec. 12.
Power transmission or clutch. W. D. Huff. 2,183,454; Dec. 12.
Power transmission, Self-adjusting. E. E. Smith. 2,183,434; Dec. 12.
Press: *See*—
Horizontal redraw press. Rotary block press.
Intaglio printing press. Tilting-head press.
Printing press. Vulcanizing press.
Printing plates and the product thereof, Making. P. A. Frazier. 2,182,802; Dec. 12.
Printing press. L. Q. Presby. 2,183,045; Dec. 12.
Prismatic screen. G. G. Moreno. 2,182,993; Dec. 12.
Propeller blade, Air. V. Lougheed. 2,182,812; Dec. 12.
Protector: *See*—
Fishing rod tip protector. Wrist watch protector.
Pulley, Clutch. G. Beyerline. 2,182,956; Dec. 12.
Pump: *See*—
Deep well pump. Reciprocating ram pump.
Fuel pump.
Radial engine valve gear. R. Daub. 2,183,011; Dec. 12.
Rail fissure detector. H. C. Drake. 2,183,118; Dec. 12.
Rake cleaning device. T. J. Kelly. 2,183,278; Dec. 12.
Rayon, Sizing of. E. von Lippmann. 2,182,887; Dec. 12.
Receptacle. I. Blechman. 2,183,131; Dec. 12.
Receptacles, Making coupon. G. W. Poppe. 2,183,247; Dec. 12.
Reciprocating ram pump. J. M. and F. H. Towler. 2,183,436; Dec. 12.
Reel. W. A. Whittaker. 2,182,936; Dec. 12.
Refrigerating apparatus. S. M. Schweller. 2,182,824; Dec. 12.
Refrigeration. A. R. Thomas. 2,182,934; Dec. 12.
Refrigeration. A. R. Thomas. 2,182,997; Dec. 12.
Refrigeration apparatus and method. C. F. Alsing. 2,183,343; Dec. 12.
Refrigeration apparatus and method. L. B. M. Buchanan. 2,183,346; Dec. 12.
Refrigerator. A. R. Constantine and M. W. Kenney. 2,182,962; Dec. 12.
Refrigerator door. R. H. Money. 2,183,280; Dec. 12.
Register. L. J. Komora. 2,182,923; Dec. 12.
Regulating apparatus. C. M. Terry. 2,183,110; Dec. 12.

Regulator valve. W. R. King. 2,182,873; Dec. 12.
Relay. E. Bräuer. 2,182,912; Dec. 12.
Remote control system. C. S. Snavely, A. B. Miller, and A. P. Jackel. 2,183,155; Dec. 12.
Reset thermal switch. D. S. Rivers. 2,183,518; Dec. 12.
Resonance tuning indicator system. F. B. Stone. 2,183,206; Dec. 12.
Riffle, Sluice box. P. Swedman. 2,183,157; Dec. 12.
Ring. *See*—
Piston ring.
Ring. E. Moldenhauer. 2,182,876; Dec. 12.
Road construction. A. R. Chambers. 2,183,253; Dec. 12.
Rod bending apparatus. P. J. Cotter and M. D'Onofrio. 2,183,329; Dec. 12.
Roll, Forming machine. C. Firth. 2,182,842; Dec. 12.
Roof construction, Arched. F. Förster. 2,183,451; Dec. 12.
Roofing clamp. C. J. Camp. 2,183,008; Dec. 12.
Rotary ball mill. E. G. Sunfelt. 2,183,156; Dec. 12.
Rotary block press. H. Köhler. 2,183,196; Dec. 12.
Rotary machine. W. G. Black and C. L. Brewster. 2,182,938; Dec. 12.
Rotary machine. W. D. Davidson. 2,183,012; Dec. 12.
Ronter, Power operated. J. R. Harman. 2,183,258; Dec. 12.
Rubber mill. E. J. McIlvried and N. H. Nye. 2,182,900; Dec. 12.
Rubber, Plasticizing. I. Williams and C. C. Smith. 2,183,342; Dec. 12.
Ruler, Penmanship correcting and analyzing. L. E. Dorsey. 2,183,063; Dec. 12.
Safety attachment for punch presses. J. H. Ferguson. 2,182,918; Dec. 12.
Safety device for projectile fuses. G. Hönger. 2,183,073; Dec. 12.
Salt and resulting product, Treating. M. Segura. 2,183,173; Dec. 12.
Sawmill equipment. J. A. Weber. 2,183,270; Dec. 12.
Screen: *See*—
Cathode ray tube fluores- Prismatic screen.
cent screen.
Screening and covering device for windows and other openings. J. Rose. 2,183,519; Dec. 12.
Seal. D. A. Boyd. 2,183,004–6; Dec. 12.
Seal. E. H. Fors. 2,182,892; Dec. 12.
Seal. R. M. Scott. 2,182,972; Dec. 12.
Seal. F. B. Shofner, Jr. 2,183,049; Dec. 12.
Seal for shafts, Liquid. W. H. and R. W. Drost. 2,182,981; Dec. 12.
Sealing means for fire extinguishing systems, Safety. S. E. Allen and J. E. Rennert. 2,183,208; Dec. 12.
Seams, Forming. L. G. Bowman. 2,182,911; Dec. 12.
Seat base, Reversible. O. E. Hill. 2,183,021; Dec. 12.
Seating structure. F. Albach and G. R. Chervenka. 2,183,056–7; Dec. 12.
Seed cleaner, Rotary. F. L. Bookwalter. 2,183,511; Dec. 12.
Separating method and apparatus. T. B. Allardice. 2,182,862; Dec. 12.
Serviette-folding machine. C. E. Turner. 2,183,497; Dec. 12.
Settings, Making. M. Lucomlin. 2,183,264; Dec. 12.
Sewage, Method and apparatus for destroying. H. H. Moreton. 2,183,463; Dec. 12.
Sewing machines, Attachment for. J. Caudle. 2,183,185; Dec. 12.
Sewing machines, Top feed dog for. C. W. Mueller. 2,182,929; Dec. 12.
Shaper attachment for a lathe. C. L. Mayers. 2,183,461; Dec. 12.
Shaver, Electric vacuum. H. H. Blackwell. 2,183,442; Dec. 12.
Sheet delivery for printing presses. H. M. Barber and H. J. Luehrs. 2,183,212; Dec. 12.
Sheet feeding apparatus. L. Baker. 2,183,128; Dec. 12.
Sheet feeding apparatus. E. R. Kast. 2,183,077; Dec. 12.
Sheets, Apparatus for transferring. W. W. Leach. 2,183,293; Dec. 12.
Shell and making the same, Explosive. A. Lefere. 2,183,502; Dec. 12.
Shim, Rail joint. F. S. Wonham. 2,183,272; Dec. 12.
Shingle making or wood shake cutting machine. E. H. Jenkins. 2,183,479; Dec. 12.
Shock absorber. A. E. Dentler. 2,182,917; Dec. 12.
Shock absorber for vehicles, Hydraulic. R. Binder and H. Klein. 2,183,129; Dec. 12.
Shock absorber, Hydraulic. F. P. Becker. 2,183,003; Dec. 12.
Shoe. M. B. Flynn and J. L. Cobb. 2,182,843; Dec. 12.
Shoe heel clamp. O. H. Sundberg. 2,183,052; Dec. 12.
Shoe, Inner and outer adjustable arch. H. A. Kohlruss. 2,183,197; Dec. 12.
Shoe lacing. W. Zapis. 2,182,835; Dec. 12.
Shoe repair machine. E. L. Vanderpool. 2,183,055; Dec. 12.
Shoe sole protecting device. C. S. Staresina. 2,182,949; Dec. 12.
Shoe with rubber or composition sole. E. C. Heilhecker. 2,183,277; Dec. 12.
Shoes, Method and machine for use in making. J. S. Kamborian. 2,182,810; Dec. 12.
Shredding device. S. Norman. 2,183,224; Dec. 12.
Shut-off, Safety gas line. B. C. Nichols. 2,183,483; Dec. 12.
Signal: *See*—
Tire pressure signal.
Signal and means for operation, Vehicle. M. Fukuhara. 2,183,349; Dec. 12.
Signal light, Pneumatic direction. J. F. Moffett. 2,182,816; Dec. 12.
Signals, Apparatus for the control of highway crossing. P. H. Crago. 2,183,161; Dec. 12.
Signaling system, Alternating current operated noninterfering. M. W. Muehter. 2,183,245; Dec. 12.
Silicon carbide grains. Treating. A. A. Klein. 2,183,044; Dec. 12.
Siphon head. L. D. Soubier. 2,183,229; Dec. 12.
Skiing figure. C. D. McIntyre. 2,183,144; Dec. 12.
Skylight or floorlight construction. J. M. Richards. 2,182,971; Dec. 12.
Slide fastener lock. H. C. Parker. 2,183,103; Dec. 12.
Smoker's accessory. R. B. Fageol. 2,183,425; Dec. 12.
Snap fastener. H. W. Richardson. 2,183,085; Dec. 12.
Socket, Electric light. A. Wolf. 2,183,377; Dec. 12.
Soil, waste, and vent unit, Combined. W. C. Groeniger. 2,183,040; Dec. 12.
Solarium for auto trailers and the like. S. C. Tesmer. 2,183,111; Dec. 12.
Solderless connector. H. E. Sipe. 2,183,109; Dec. 12.
Solvents from garbage, Fermentative production of. J. W. Jean. 2,182,989; Dec. 12.
Sound film system. G. B. Scheibell. 2,182,823; Dec. 12.
Sound record carrier. K. Daniel. 2,183,117; Dec. 12.
Speed transmission, Variable. J. D. Rieser. 2,183,267; Dec. 12.
Speed transmission, Variable. W. P. Schmitter. 2,183,507; Dec. 12.
Spindle stop motion. W. R. Gordon. 2,183,239; Dec. 12.
Spring dampener. C. J. Holland. 2,183,100; Dec. 12.
Squaring and beveling tool. J. U. Davis. 2,183,446; Dec. 12.
Stairway, Moving. S. G. Margles. 2,183,334; Dec. 12.
Stenciling apparatus. L. O. Mankin and L. D. Soubier. 2,183,223; Dec. 12.
Stepladder attachment. W. C. Heldel. 2,183,191; Dec. 12.
Stock feeding block. G. A. Walter. 2,183,437; Dec. 12.
Stoker, Mechanical. M. E. Yeager. 2,183,386; Dec. 12.
Strain gauge. E. N. Kemler. 2,183,078; Dec. 12.
Strap ferrule affixing machine. E. J. Pickett. 2,183,167; Dec. 12.
Strap for antiskid devices, Holding. W. C. Jackson. 2,183,322; Dec. 12.
Strapping machine. T. W. J. Willcox. 2,183,286; Dec. 12.
Suction cleaner. W. N. Patterson. 2,183,150; Dec. 12.
Superheater boiler. J. A. Barnes. 2,182,782–3; Dec 12.
Support: *See*—
Compression spring sup-
port.
Support for drying mechanisms, Compensating. E. E Cotanch. 2,182,789; Dec. 12.
Support for X-ray heads, Slide. H. N. Henry. 2,182,985; Dec. 12.
Surfaces, Cleaning tubular heat exchanging. H. Peters. 2,183,496; Dec. 12.
Switch: *See*—
Centrifugal switch. Reset thermal switch.
Electric switch. Time controlled switch.
Mercury switch. Tire air pressure switch.
Overload protective
switch.
Switch for use in motor vehicle headlight dipping arrangements, Electromagnetically operated. C. J. and S. C. Evans. 2,183,449; Dec. 12.
Switch operating apparatus, Railway. W. C. McWhirter and E. G. Little. 2,183,164–5; Dec. 12.
Table: *See*—
Bedtray and bedside table. Work table.
Table for sewing machines, All-metal power. D. H. Chason and F. A. Park, Jr. 2,183,366; Dec. 12.
Teeth and encasement therefor, Artificial. M. Kroop. 2,183,353; Dec. 12.
Telegraph system, Printing. J. B. Moore and R. E. Mathes. 2,183,147; Dec. 12.
Telephone system. I. T. Richards. 2,183,030; Dec. 12.
Television and like transmitting system. A. D. Blumlein and E. A. Nind. 2,182,839; Dec. 12.
Tester, Open hole formation. H. Whitaker. 2,182,888; Dec. 12.
Textile and other materials, Coloration of. H. Dreyfus and R. W. Moncrieff. 2,182,963–4; Dec. 12.
Therapeutic device. D. B. McKendrick. 2,183,335; Dec. 12.
Therapeutic preparation. R. Seiden. 2,183,268; Dec. 12.
Thermal insulation. R. L. Parish. 2,183,406; Dec. 12.
Thermal medium, Cooling. E. S. Cornell, Jr. 2,182,788; Dec. 12.
Thermionic tube. H. W. Parker. 2,183,149; Dec. 12.
Thermometer, Borehole. L. V. Uhrig. 2,183,126; Dec. 12.
Thermostat. C. H. Sparklin. 2,183,469; Dec. 12.
Thread guiding device. J. Brussell. 2,182,940; Dec. 12.
Threading tool. H. A. Unke. 2,182,906; Dec. 12.
3-keto-cyclopentanopolyhydrophenanthrene. M. Hartmann and A. Wettstein. 2,182,920; Dec. 12.

Throttle and starter control mechanism. D. Collins. 2,182,787; Dec. 12.
Tilting-head press. E. A. Stillman and R. W. Dinzl. 2,182,884; Dec. 12.
Time controlled switch. K. M. Hammell. 2,182,894; Dec. 12.
Time delay relay. M. B. Sledd. 2,183,412; Dec. 12.
Tire air pressure switch. E. C. Henderson. 2,182,895; Dec. 12.
Tire pressure signal. S. G. Bond. 2,183,089; Dec. 12.
Tire treads, Device for slitting. G. F. Wikle. 2,183,376; Dec. 12.
Titanium concentrates, Preparation of. J. E. Booge. 2,183,365; Dec. 12.
Toilet. J. G. Bruzenak. 2,182,979–80; Dec. 12.
Tongs, Animal. W. R. Jenkins. 2,183,480; Dec. 12.
Tool: *See*—
Machine tool.
Metal cutting tool.
Squaring and beveling tool.
Threading tool.
Tooth brush or the like, Power driven rotary. J. A. Thommes. 2,183,415; Dec. 12.
Totalizing system. O. C. Levy. 2,182,875; Dec. 12.
Towel dispensing apparatus. R. G. Birr. 2,183,252; Dec. 12.
Toy airplane. J. E. Brubaker. 2,182,913; Dec. 12.
Toy bomb. H. N. Prensky and E. Grieshaber. 2,183,152; Dec. 12.
Toy, Book. C. E. Bracker. 2,183,443; Dec. 12.
Traffic controlling apparatus, Railway. G. A. Culbertson. 2,183,162; Dec. 12.
Trailer, Collapsible auto. F. F. Kors. 2,182,967; Dec. 12.
Transformer construction. L. Maurer. 2,183,355; Dec. 12.
Transmission. O. K. Butzbach and H. E. Churchill. 2,183,485; Dec. 12.
Transmission system. F. S. Misterly and S. B. Smith. 2,183,244; Dec. 12.
Truck. A. H. Oelkers. 2,183,504; Dec. 12.
Truss construction. N. M. Foulds. 2,183,015; Dec. 12.
Tube: *See*—
Cathode ray tube.
Mercury cathode discharge tube.
Thermionic tube.
Tumbler decorating apparatus. J. H. Treece, H. L. Whitney, and H. W. Schneider. 2,183,230; Dec. 12.
Turbine, Hydraulic. R. V. Terry. 2,182,974; Dec. 12.
Tying machine. B. H. Bunn. 2,182,959; Dec. 12.
Undergarment. W. C. Powell. 2,183,431; Dec. 12.
Valve: *See*—
Plug valve.
Regulator valve.
Valve for engines, Rotary. W. W. Large. 2,183,024; Dec. 12.
Valve for motor vehicles, Sand. J. F. Madigan. 2,182,969; Dec. 12.
Valve for tanks, Relief. P. B. Drane. 2,183,448; Dec. 12.
Valve mechanism, Four-way. J. Evans. 2,182,982; Dec. 12.
Valve motion for locomotive and marine steam engines, Rolling lever. H. J. Lentz. 2,182,925; Dec. 12.
Valve structure. D. D. Wile. 2,183,207; Dec. 12.
Valve structure and method of forming. G. Charlton. 2,183,254; Dec. 12.
Vanadium from vanadium-bearing silicates, Extracting. B. Mayer. 2,183,027; Dec. 12.
Vanity or similar attachment for bathtubs. G. B. Bentz. 2,183,441; Dec. 12.
Vegetable sizing apparatus. W. J. Zink. 2,183,233; Dec. 12.
Vehicle lifting jack. R. S. C. Fow. 2,183,367; Dec. 12.
Vehicle wheel. H. J. Horn. 2,183,220; Dec. 12.
Velocipede. A. P. Steele. 2,183,471; Dec. 12.
Ventilating apparatus. S. M. Anderson. 2,183,498; Dec. 12.
Vernier control. R. T. Clay. 2,182,961; Dec. 12.
Vertical edging mill. F. C. Biggert, Jr. 2,183,388; Dec. 12.
Vessel, Pressure. H. J. Kerr. 2,183,043; Dec. 12.
Vinyl halides, Manufacturing. K. Jung. 2,183,240; Dec. 12.
Vitamin preparation and making same. H. F. Taylor. 2,183,053; Dec. 12.
Vulcanizing press. E. M. Winegar. 2,182,833; Dec. 12.
Warp goods. P. Schönfeld. 2,183,108; Dec. 12.
Washing machine. P. R. Hoopes. 2,183,261; Dec. 12.
Water cooler. L. C. Smith. 2,183,509; Dec. 12.
Wave filter. W. P. Mason. 2,183,123; Dec. 12.
Wave translation. R. R. Riesz. 2,183,248; Dec. 12.
Waving apparatus, Permanent. V. J. and H. J. Kublak. 2,183,023; Dec. 12.
Weather strip. H. H. Goldberg. 2,182,983; Dec. 12.
Weather strip and window guide, Combined. E. J. Feller. 2,183,476; Dec. 12.
Weir, Double-sluice. P. Cicin. 2,183,288; Dec. 12.
Welded rail joint. C. Schenck. 2,183,047; Dec. 12.
Welding apparatus. L. S. Burgett. 2,183,473; Dec. 12.
Welding process. G. M. Deming. 2,182,796; Dec. 12.
Wheel: *See*—
Vehicle wheel.
Wheel. L. V. Landgreen. 2,182,946; Dec. 12.
Whey to produce alcohol, Fermenting. W. Kauffmann and P. J. van der Lee. 2,183,141; Dec. 12.
Window. C. O'Toole. 2,183,356; Dec. 12.
Window, Sliding and swinging. I. Reiser. 2,183,105; Dec. 12.
Wing for aircraft, Rotative sustaining. J. A. J. Bennett. 2,183,158; Dec. 12.
Wool, Cleaning. F. H. Mackenzie. 2,183,142; Dec. 12.
Work forming machine, Automatic. E. W. Brinkman. 2,182,939; Dec. 12.
Work table. W. F. Zimmerman. 2,183,363; Dec. 12.
Work table, Roller bearing mounted. W. F. Zimmermann and G. Davenport. 2,183,362; Dec. 12.
Wrapper control for wrapping machines. W. Hoppe. 2,183,192; Dec. 12.
Wrench head, Producing a socket. E. A. Heschel. 2,182,922; Dec. 12.
Wrist watch protector. R. V. Vedder. 2,182,830; Dec. 12.
Yarn and the product thereof, Finishing cotton. W. H. Furness. 2,183,477; Dec. 12.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 12, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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Billy Bugg Enterprises. (See Myles, William H.)

Birger, Leslie E., Dearborn, Mich. Periodical. Serial No. 423,624; Dec. 19. Class 38.

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Chase, E. Elsworth, Jr., doing business as Chevy Chase Co., San Jose, Calif. Canned fruits, canned vegetables, dried fruits, etc. Serial No. 420,884; Dec. 19. Class 46.

Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Motor vehicle bodies. Serial No. 419,793; Dec. 19. Class 19.

Chevy Chase Co. (See Chase, E. Ellsworth, Jr.)

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Churngold Corporation, The, Cincinnati, Ohio. Oleomargarin. Serial No. 424,902; Dec. 19. Class 46.

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Delmag-Maschinenfabrik Reinhold Dornfeld. (See Dornfeld, Reinhold.)

Des Lauriers, Madame. (See Livingston, Aleda L.)

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Eich, August L., Chicago, Ill. Shoes. Serial No. 423,332; Dec. 19. Class 39.

Elastic S. A., Basel, Switzerland. Narrow elastic braids, cords, webbings, etc. Serial No. 412,597; Dec. 19. Class 40.

Elmo, Inc., Philadelphia, Pa. Toilet creams, face lotions, and face powders. Serial No. 424,621; Dec. 19. Class 6.

Euclid Candy Co. of California, Inc., The, San Francisco, Calif. Candy. Serial No. 421,932; Dec. 19. Class 46.

Fawcett Publications, Inc., Greenwich, Conn. Humorous periodical. Serial No. 424,472; Dec. 19. Class 38.

Firestone Tire & Rubber Company, The, Akron, Ohio. Bicycles and structural parts thereof. Serial No. 423,417; Dec. 19. Class 19.

Fishback, David D., Wichita, Kans. Pictorial illustration. Serial No. 422,578; Dec. 19. Class 38.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial Nos. 424,911–12; Dec. 19. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 424,957; Dec. 19. Class 42.

Franco Corset Company, New York, N. Y. Corsets. Serial No. 424,425; Dec. 19. Class 39.

Frederick-Son, Earle, Seattle, Wash. Historical monthly news magazine. Serial No. 424,799; Dec. 19. Class 38.

Glazo Company, Inc., East Rutherford, N. J. Manicure sets. Serial No. 423,260; Dec. 19. Class 44.

Great Lakes Furnace and Insulating Corporation, Buffalo, N. Y. Hot air furnace covering jacket. Serial No. 410,904; Dec. 19. Class 34.

Grenadier Products, Inc., New York, N. Y. Radio receiving sets. Serial No. 423,212; Dec. 19. Class 21.

Gretsch, Fred, Manufacturing Co., The, New York, N. Y. Fifes, flageolettes, metal flutes, etc. Serial No. 424,876; Dec. 19. Class 36.

H P Coffee Company, St. Louis, Mo. Coffee. Serial No. 421,740; Dec. 19. Class 46.

Hamersley Manufacturing Company, The, Garfield, N. J. Waxed and unwaxed paper. Serial No. 423,420; Dec. 19. Class 37.

Harris Products Company, Akron, Ohio. Mechanical shaft couplings, universal joints, and flexible bushings. Serial No. 423,499; Dec. 19. Class 23.

Hays, Daniel, Company, Inc., Gloversville, N. Y. Gloves. Serial No. 424,393; Dec. 19. Class 39.

Hefter, Henry, doing business as Campbell Hosiery Shops, Chicago, Ill. Hosiery. Serial No. 424,915; Dec. 19. Class 39.

House, L., & Sons Co., Inc., Syracuse, N. Y. Soda water. Serial No. 423,562; Dec. 19. Class 45.

Hudspeth, Gerald L., doing business as Hudspeth Chemical Company, Springfield, Ill. Embalming fluid. Serial No. 421,701; Dec. 19. Class 6.

Huebschman & Bro. Inc., Cleveland, Ohio. Women's wearing apparel. Serial No. 424,595; Dec. 19. Class 39.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial resins. Serial No. 424,265; Dec. 19. Class 1.

Insuro Chemical Company, Lawrence, Mass. Liquid preparation for hardening, waterproofing, and accelerating the setting of Portland cement. Serial No. 424,624; Dec. 19. Class 12.

International Harvester Company, Chicago, Ill. Power lift mechanism. Serial No. 423,666; Dec. 19. Class 23.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 423,601; Dec. 19. Class 39.

Ismert-Hincke Milling Company, The, Kansas City, Mo. Wheat flour. Serial No. 418,341; Dec. 19. Class 46.

Jacobs Leather Company, Boston, Mass. Rubber slabs. Serial No. 424,131; Dec. 19. Class 1.

Karpen, S., & Bros., Chicago, Ill. Furniture. Serial Nos. 413,227–8; Dec. 19. Class 32.

Karwendel Gesellschaft Nachf. Rentschler & Cie, Laupheim/Wurttemberg, Germany. Chemical insecticides and plant life destroyers, disinfectants, etc. Serial No. 408,716; Dec. 19. Class 6.

Kilborn-Sauer Company, The, Fairfield, Conn. Electric automobile and marine lights, electric stop lights, etc. Serial No. 423,761; Dec. 19. Class 21.

Kilborn-Sauer Company, The, Fairfield, Conn. Electric automobile and marine lights, electric stop lights, etc. Serial No. 423,764; Dec. 19. Class 21.

Kistler, Losh & Company, Incorporated, Boston, Mass. Straps for textile machinery. Serial No. 423,844; Dec. 19. Class 23.

Krauth & Benninghofen, Hamilton, Ohio. Music stands. Serial No. 423,505; Dec. 19. Class 36.

Lacey-Webber Co., Kalamazoo, Mich. Thermohydrometers, hydrometers, and freezing point testing devices. Serial No. 424,011; Dec. 19. Class 26.

Lee, Sally, Coffee Co., Inc. (See Wright, Walter R., assignor.)
Livingston, Aleda L., doing business as Madame des Lauriers, Hollywood, Calif. Brassières. Serial No. 423,336; Dec. 19. Class 39.
Lorch Manufacturing Company, Dallas, Tex. Ladies' and misses' coats and suits. Serial No. 417,621; Dec. 19. Class 39.
Lorenz, Dr., & Co., Vienna, Germany. Preparation for the treatment of leptospiroris. Serial No. 424,548; Dec. 19. Class 6.
Mammoth Hosiery Mills, Trenton, N. J. Women's hosiery. Serial No. 423,891; Dec. 19. Class 39.
Manfield Handkerchief Co. (See Rosen, Joseph.)
Master Builders Company, The, Cleveland, Ohio. Materials for curing, hardening, and improving concrete surfaces. Serial No. 424,599; Dec. 19. Class 12.
Mavest Inc., New York, N. Y. Coats. Serial No. 423,273; Dec. 19. Class 39.
Medart, Fred, Manufacturing Co., St. Louis, Mo. Game goal standards and inflatable balls. Serial No. 423,505; Dec. 19. Class 22.
Meltzer & Wigton, Philadelphia, Pa. Canned watermelon juice. Serial No. 424,815; Dec. 19. Class 46.
Melvin Co., South Pasadena, Calif. Salve for relief of eczema and similar skin eruptions. Serial No. 425,418; Dec. 19. Class 6.
Meyer, Fred, Inc., Portland, Oreg. Condiments. Serial No. 418,553; Dec. 19. Class 46.
Metropolitan Credit, Inc., Cleveland, Ohio. Advertising material. Serial No. 415,049; Dec. 19. Class 38.
Metropolitan Sewing Machine Corporation, Nyack, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Edge guides, hemmers, blind hemmers, etc. Serial No. 422,782; Dec. 19. Class 23.
Miller-Craven, Inc., New York, N. Y. Books of blank forms. Serial No. 423,338; Dec. 19. Class 37.
Mitsubishi Shoji Kaisha, Ltd., Tokio, Japan, and New York, N. Y. Yarns. Serial No. 420,015; Dec. 19. Class 43.
Mitsubishi Shoji Kaisha, Ltd., Tokio, Japan, and New York, N. Y. Yarns. Serial No. 420,018; Dec. 19. Class 43.
Mizrachi, Nasser, New York, N. Y. Men's and boys' shoes. Serial No. 422,945; Dec. 19. Class 39.
Moorman Manufacturing Company, Quincy, Ill. Stock dips. Serial No. 416,107; Dec. 19. Class 6.
Mundorff, Harry A., Jr., Wilmington, Del. Periodical. Serial No. 422,215; Dec. 19. Class 38.
Murray, Charles D., doing business as Dapper Dan Company, Chicago, Ill. Hair dressing pomades. Serial No. 424,433; Dec. 19. Class 6.
Myles, William, doing business as Billy Bugg Enterprises, Chicago, Ill. Cartoon strips. Serial No. 424,434; Dec. 19. Class 38.
Mystic Novelty Sales Co., Sherman, Tex. Game. Serial No. 421,942; Dec. 19. Class 22.
National Blank Book Company, Holyoke, and Riverside, Holyoke, Mass. Loose leaf binders. Serial No. 412,301; Dec. 19. Class 37.
National Coast Products Corporation, Swedesboro, N. J. Canned dog and cat food. Serial No. 424,970; Dec. 19. Class 46.
Neiring, Inc., Chicago, Ill. Dresses, coats, skirts, etc. Serial No. 424,014; Dec. 19. Class 39.
Nicholson File Company G & H Barnett Division, Philadelphia, Pa., and Providence, R. I. Files and rasps. Serial No. 424,056; Dec. 19. Class 23.
Nyal Company, Detroit, Mich. Perfume. Serial No. 425,295; Dec. 19. Class 6.
Nyal Company, Detroit, Mich. Dentifrice. Serial No. 425,296; Dec. 19. Class 6.
O-Cedar Corp'n, Chicago, Ill. Polishes and waxes. Serial No. 424,927; Dec. 19. Class 16.
Orth, Ph., Co., Milwaukee, Wis. Prepared icing for cakes. Serial No. 424,204; Dec. 19. Class 46.
Pasa Pega Sales Co. (See Auerbach, Maurice H.)
Pectin Industries, Inc., Chicago, Ill. Tubular containers. Serial No. 411,705; Dec. 19. Class 2.
Photo Developing, Inc. (See Reeves, Edward J., assignor.)
Potter Press, The, Waltham, Mass. Metallic holder and support for manifold books. Serial No. 423,985; Dec. 19. Class 37.
Pressurelube, Inc., New York, N. Y. Portable grease gun. Serial No. 423,828; Dec. 19. Class 23.
Reeves, Edward J., New York, N. Y., assignor to Photo Developing, Inc., Camden, N. J. Photographs and prints. Serial No. 412,304; Dec. 19. Class 38.
Reichhold Chemicals, Inc., Detroit, Mich. Resins, resin solutions, and oils. Serial No. 422,598; Dec. 19. Class 16.
Rice-Stix Dry Goods Company, St. Louis, Mo. Gloves. Serial No. 421,582; Dec. 19. Class 39.
Robbins & Weitz, Inc., New York, N. Y. Ladies' pocket books, purses, and handbags. Serial No. 424,697; Dec. 19. Class 3.
Robbins & Weitz, Inc., New York, N. Y. Ladies' purses, pocketbooks, and handbags. Serial No. 424,786; Dec. 19. Class 3.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonographs. Serial No. 421,617; Dec. 19. Class 36.
Roger & Gallet, New York, N. Y. Perfumes, toilet waters, powder and rouge containers, etc. Serial No. 422,071; Dec. 19. Class 6.
Rosen, Joseph, doing business as Manfield Handkerchief Co., New York, N. Y. Handkerchiefs. Serial No. 423,740; Dec. 19. Class 39.
Rosenberg, Isidor, New York, N. Y. Ladies' hats. Serial No. 422,450; Dec. 19. Class 39.
Rubinstein, Helena, Inc., New York, N. Y. Lipstick. Serial No. 424,890; Dec. 19. Class 6.
Russ, Minerva, San Francisco, Calif. Special preparations consisting of a liquid and a pomade for applying to the hair for removing kinks, etc. Serial No. 423,927; Dec. 19. Class 6.
Samuels-Kleiner, Ltd., assignor, by mesne assignments, to Sam Samuels, Los Angeles, Calif. Brassières. Serial No. 357,745; Dec. 19. Class 39.
Schlosser, Joseph W., Grayslake, Ill. Publication. Serial No. 424,498; Dec. 19. Class 38.
Schneider, Firm of John Dickinson, Chicago, Ill. Lithographed, printed, and gravure matter. Serial No. 421,540; Dec. 19. Class 38.
Schwarze Electric Company, Adrian, Mich. Devices operable for or with electric circuits. Serial No. 421,356; Dec. 19. Class 21.
Scott-Burr Stores Corporation, Chicago, Ill. Hosiery. Serial No. 420,692; Dec. 19. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Motor oil. Serial No. 404,778; Dec. 19. Class 15.
Sears, Roebuck and Co., Chicago, Ill. Lacquer for resurfacing rubber footwear. Serial No. 423,833; Dec. 19. Class 4.
Selby Shoe Co., The, Portsmouth, Ohio. Shoes. Serial No. 415,266; Dec. 19. Class 39.
Sequoia Citrus Association, Lemon Cove, Calif. Fresh citrus fruits. Serial No. 424,788; Dec. 19. Class 46.
Shellmar Products Company, Mount Vernon, Ohio. Bags. Serial No. 423,930; Dec. 19. Class 2.
Sleight Metallic Ink Company of Illinois, Incorporated, Chicago, Ill. Inks. Serial No. 425,066; Dec. 19. Class 11.
Société des Soudures Castolin, S. A., Lausanne, Switzerland. Metal alloys. Serial No. 423,442; Dec. 19. Class 14.
Sports Vogue Inc., New York, N. Y. Jewelry. Serial No. 424,628; Dec. 19. Class 28.
Squibb, E. R., & Sons, New York, N. Y. Ephedrin preparations. Serial No. 421,399; Dec. 19. Class 6.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Lubricating oils and greases. Serial No. 424,446; Dec. 19. Class 15.
Stempler, Barney, & Sons, Inc., New York, N. Y. Garment hangers. Serial No. 421,210; Dec. 19. Class 50.
Stephens, Truman E., doing business as Trulyn Shippers, Edinburg, Tex. Fresh vegetables. Serial No. 420,786; Dec. 19. Class 46.
Stevens, Harriet S., Chicago, Ill. Doll beds. Serial No. 424,563; Dec. 19. Class 22.
Superior Biscuit Co., Los Angeles, Calif. Salted wafers and graham crackers. Serial No. 424,565; Dec. 19. Class 46.
Swartchild & Company, Chicago, Ill. Jewelers and watch makers findings. Serial No. 420,605; Dec. 19. Class 27.
Talge, Foster L., Kansas City, Mo. Electric broilers. Serial No. 421,059; Dec. 19. Class 21.
Thermo Cuber Company, Inc., Chicago, Ill. Ice cutting machines. Serial No. 423,780; Dec. 19. Class 23.
Thompson Electric Company, The, Cleveland, Ohio. Fixtures for adjustable hanging electric lamps. Serial No. 417,827; Dec. 19. Class 21.
Thomas, M. & W., Corp., New York, N. Y. Neckties. Serial No. 420,331; Dec. 19. Class 39.
Trabert & Hoeffer Inc., New York, N. Y. Diamonds and precious stones. Serial No. 424,449; Dec. 19. Class 28.
Trulyn Shippers. (See Stephens, Truman E.)
Ultrafit Co., New York, N. Y. Shirts, collars and cuffs, blouses, etc. Serial No. 423,961; Dec. 19. Class 39.
United Buyers Corporation, Chicago, Ill. Brooms, mops, scrubbing brushes, etc. Serial No. 423,640; Dec. 19. Class 29.
United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial Nos. 424,672–3; Dec. 19. Class 38.
Ware, Pratt Company, Worcester, Mass. Men's and boys' shoes. Serial No. 381,179; Dec. 19. Class 39.
Warner, William R., & Co., Inc., New York, N. Y. Elixir vitamin B, preparation. Serial Nos. 424,935–6; Dec. 19. Class 6.
Waugh, Arthur L., Chicago, Ill. Germicides. Serial No. 424,215; Dec. 19. Class 6.
Weber & Heilbroner, Inc., New York, N. Y. Hats, caps, neckties, etc. Serial No. 420,300; Dec. 19. Class 39.
Wembley, Inc., New Orleans, La. Men's neckties and scarfs. Serial Nos. 423,868–9; Dec. 19. Class 39.
Wexler and Sporty, Inc., New York, N. Y. Phonograph and radio receiving set combinations. Serial No. 417,069; Dec. 19. Class 36.
White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines. Serial Nos. 424,609–10; Dec. 19. Class 23.

Willcox & Gibbs Sewing Machine Company. (See Metropolitan Sewing Machine Corporation, assignor.)
Wilner, Helen, New York, N. Y. Binoculars and field glasses. Serial No. 420,126; Dec. 19. Class 26.
Wissinger, Charles H., Logansport, Ind. Salve for cancer treatment. Serial No. 425,175; Dec. 19. Class 6.
Wits End, Ardmore, Okla. Writing paper. Serial No. 412,363; Dec. 19. Class 37.
Women's Wear Company, New York, N. Y. Newspaper. Serial No. 424,451; Dec. 19. Class 38.
Wright, Walter R., Oak Park, assignor, by mesne assignments, to Sally Lee Coffee Co., Inc., Chicago, Ill. Coffee. Serial No. 416,350; Dec. 19. Class 46.
Wright's Underwear Company, Inc., New York, N. Y. Underwear, sweaters, ski suits, etc. Serial No. 423,191; Dec. 19. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Alpha Iota Sorority, The, Des Moines, Iowa. Sorority badges, lapel buttons, scarf, lapel, and breast pins, etc. 373,731; Dec. 19; Serial No. 421,469; published Sept. 26, 1939. Class 28.
Altschuler-Picard, Fred, Lausanne, Switzerland, and New York, N. Y. Dresses, suits, shoes, etc. 373,776; Dec. 19. Class 39.
American Bleached Goods Company, New York, N. Y. Piece goods. 373,774; Dec. 19. Class 42.
American Bleached Goods Company, Inc. (See Wilton Manufacturing Co., Inc., assignor.)
American Bleached Goods Company, New York, N. Y.; Chicago, Ill.; and St. Louis, Mo., assignor to American Bleached Goods Company, New York, N. Y. Cotton goods in the piece. 129,573; renewed Mar. 9, 1940.
American Bosch Magneto Corporation, assignor to American Bosch Corporation, Springfield, Mass. Ignition and starting apparatus and electric-lighting systems and parts thereof. 129,974; renewed Mar. 16, 1940.
American Brake Shoe and Foundry Company, The, New York, N. Y. Ferrous metals and metal castings and forgings. 373,741; Dec. 19; Serial No. 421,832; published Oct. 10, 1939. Class 14.
American Brake Shoe and Foundry Company, The, New York, N. Y. Ferrous metals and metal castings and forgings. 373,742; Dec. 19; Serial No. 421,834; published Oct. 10, 1939. Class 14.
American Limestone Company, Mascot, Tenn. Pulverized or ground limestone. 130,027; renewed Apr. 6, 1940.
American Nepheline Corporation, Rochester, N. Y. Nepheline syenite. 373,775; Dec. 19. Class 1.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Oval fence-wire and wire fencing. 130,457; renewed Apr. 27, 1940.
American Steel and Wire Company of New Jersey, The, Hoboken, N. J., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Helical wire door-springs. 130,456; renewed Apr. 27, 1940.
American Tobacco Company, The, New York, N. Y. Cigarettes. 128,920; renewed Jan. 20, 1940.
American Tobacco Company, The, New York, N. Y. Cigarettes and tobacco. 128,921; renewed Jan. 20, 1940.
Angier Mechanical Laboratories, assignor to Angier Corporation, Framingham, Mass. Wrapping and lining paper. 128,287; renewed Jan. 6, 1940.
Anthracite Industries, Inc., New York, N. Y. Thermostatic heating control units. 373,695; Dec. 19; Serial No. 416,940; published Oct. 10, 1939. Class 26.
Armour and Company, Chicago, Ill. Luncheon meat. 373,712; Dec. 19; Serial No. 420,397; published Oct. 10, 1939. Class 46.
Arovelope Company, The. (See Silverberg, Isadore M.)
Atlas Leather Company, Caseyville, Ill. Leather fibre sheets. 373,773; Dec. 19. Class 1.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 373,780; Dec. 19. Class 17.
Ball, Bernard A., doing business as Holmes & Gilfillan, Smethport, Pa. Bowling alley tenpin setters. 373,763; Dec. 19; Serial No. 422,888; published Oct. 10, 1939. Class 22.
Barnett, I. H., Inc., New York, N. Y. Shirts. 373,736; Dec. 19; Serial No. 421,631; published Sept. 26, 1939. Class 39.
Barton-Grimsley Corporation, Los Angeles, Calif. Lubricating oils and greases. 373,725; Dec. 19; Serial No. 422,194; published Oct. 3, 1939. Class 15.
Baum, W. A., Co. Inc., New York, N. Y. Sphygmomanometers. 128,307; renewed Jan. 6, 1940.
Belt, Augustus H., doing business as Steak-n-Shake, Bloomington, Ill. Ground meat sandwiches, vegetable sandwiches, milk shakes, etc. 373,781; Dec. 19. Class 46.
Bendien, Hermanus P., Naarden, Netherlands. Artificial fertilizer. 373,704; Dec. 19; Serial No. 419,172; published Aug. 29, 1939. Class 10.
Besler Systems, Emeryville, Calif. Power chambers used in the operation of power brakes. 373,713; Dec. 19; Serial No. 420,398; published Oct. 10, 1939. Class 23.
Bridgeport Brass Company, Bridgeport, Conn. Ingots, rods, tube-blanks, etc. 131,056; renewed May 4, 1940.
Bridges Dental Supply Company, Denver, Colo. Denture blanks, forceps, strips, etc. 373,754; Dec. 19; Serial No. 422,571; published Oct. 10, 1939. Class 44.
British Aluminium Company Limited, The, London, England. Metal reflectors. 373,690; Dec. 19; Serial No. 415,469; published Oct. 10, 1939. Class 34.
Brown Instrument Company, The, Philadelphia, Pa. Protecting-tubes for pyrometers. 130,653; renewed May 4, 1940.
Bubble Up Company. (See Schneeberger, Leroy O.)
Burndy Engineering Company, Inc., New York, N. Y. Connector-fuse protective coverings and electrical connectors. 373,691; Dec. 19; Serial No. 416,091; published Oct. 10, 1939. Class 21.
Burton-Dixie Corporation, Chicago, Ill. Mattresses, box-springs, studio-couches, etc. 373,673; Dec. 19; Serial No. 395,940; published Nov. 1, 1938. Class 32.
Central Knitwear Mills, Inc., New York, N. Y. Sweaters, bathing suits, and slacks. 373,721; Dec. 19; Serial No. 421,340; published Sept. 26, 1939. Class 39.
Chartreuse Corporation, New York, N. Y. Liqueurs. 373,676; Dec. 19; Serial No. 407,351; published Sept. 6, 1938. Class 49.
Chartreuse Corporation, New York, N. Y. Liqueurs. 373,677; Dec. 19; Serial No. 407,533; published Sept. 6, 1938. Class 49.
Chemurgic Corporation, Richmond, Calif. Ski waxes, ski varnishes, ski oils, etc. 373,766; Dec. 19; Serial No. 423,023; published Oct. 10, 1939. Class 22.
City Mills Company, Columbus, Ga. White corn meal, yellow corn meal, dairy feed, etc. 373,707; Dec. 19; Serial No. 419,855; published Oct. 3, 1939. Class 46.
Cleeseo Bedding Co., San Francisco, Calif. Mattresses. 373,760; Dec. 19; Serial No. 422,656; published Oct. 10, 1939. Class 32.
Cleveland Twist Drill Company, The, Cleveland, Ohio. Metallic tools and machine elements. 373,753; Dec. 19; Serial No. 422,565; published Oct. 10, 1939. Class 23.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 373,709; Dec. 19; Serial No. 420,050; published Oct. 10, 1939. Class 42.
Comstock Canning Corporation, Newark, N. Y. Canned beets. 373,785; Dec. 19. Class 46.
Continental-Diamond Fibre Company. (See Diamond State Fibre Company, assignor.)
Cook, M. B., Company, The, Chicago, Ill. Carbon-paper. 129,658; renewed Mar. 9, 1940.
Corol Company, to The Simoniz Company, Chicago, Ill., successor. Antirust slushing compounds. 129,443; renewed Feb. 24, 1940.
Crown Specialties, Inc., Newark, N. J. Refillable vaporizing apparatus for insect repellent. 373,689; Dec. 19; Serial No. 414,519; published Oct. 10, 1939. Class 23.
Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Parchmentized fibre, sheets, rods, tubes, and disks. 130,700; renewed May 4, 1940.
Dille & McGuire Mfg. Co., Richmond, Ind. Lawn mowers. 373,680; Dec. 19; Serial No. 410,582; published Oct. 10, 1939. Class 23.
Disney, Walt, Productions, Los Angeles, Calif. Dolls and toy figures. 373,724; Dec. 19; Serial No. 423,038; published Oct. 10, 1939. Class 22.
Douglas Aircraft Company, Santa Monica, Calif. Airplanes and structural parts thereof. 373,693; Dec. 19; Serial No. 416,459; published Oct. 10, 1939. Class 19.
Drake, L. F., Mercedes, Tex. Fresh citrus fruit, fresh vegetables, and canned citrus fruit juices. 373,783; Dec. 19. Class 46.
Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. 373,727; Dec. 19; Serial No. 422,240; published Oct. 10, 1939. Class 46.
Epstein, Herman, doing business as Steel Mills Compounds Company, Kansas City, Mo. Anti-friction coating compounds. 373,755; Dec. 19; Serial No. 422,583; published Oct. 3, 1939. Class 15.
Ford, Gertrude H., Tea Company, Inc., New York, N. Y. Teas. 130,722; renewed May 4, 1940.
Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 373,726; Dec. 19; Serial No. 422,206; published Oct. 10, 1939. Class 42.
Fouke Fur Company, St. Louis, Mo. Furs, skins, hides, and pelts. 373,769; Dec. 19; Serial No. 423,259; published Oct. 10, 1939. Class 1.
Fulford Mfg. Co., Providence, R. I. Snap-fasteners. 130,298; renewed Apr. 20, 1940.
Garay & Co. Inc., New York, N. Y. Ladies' apparel belts. 373,692; Dec. 19; Serial No. 416,448; published July 4, 1939. Class 39.
Gemex Company, Newark, N. J. Watch bracelets, neck chains, ear ornaments, etc. 373,782; Dec. 19. Class 28.

Glemby Company, Inc., The, New York, N. Y. Sungoggles and sunglasses. 373,699; Dec. 19; Serial No. 417,838; published Oct. 10, 1939. Class 26.
Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. 373,717; Dec. 19; Serial No. 420,758; published Oct. 10, 1939. Class 21.
Goodyear Tire & Rubber Company, The, Akron, Ohio. House organs. 129,731; renewed Mar. 9, 1940.
Granite Fabrics, Inc., New York, N. Y. Rayon and rayon-wool fabrics in the piece. 373,710; Dec. 19; Serial No. 420,100; published Oct. 10, 1939. Class 42.
Gruen Watch Company, The, Cincinnati, Ohio. Bracelets. 373,778; Dec. 19. Class 28.
Gulf City Coffee Company, Pensacola, Fla. Coffee. 373,683; Dec. 19; Serial No. 412,095; published Oct. 10, 1939. Class 46.
Gump, B. F., Co., Chicago, Ill. Weighing scales. 373,686; Dec. 19; Serial No. 413,868; published Oct. 10, 1939. Class 26.
Haffner, Gustav, Cincinnati, Ohio. Base metal coasters. 373,702; Dec. 19; Serial No. 418,637; published Oct. 10, 1939. Class 13.
Heck Specialty Company, Seattle, Wash. Nuts, candy, popcorn, etc. 373,716; Dec. 19; Serial No. 420,676; published Oct. 10, 1939. Class 46.
Hempel, Allen, doing business as Telex Products Co., Minneapolis, Minn. Instruments and appliances for testing and hearing, etc. 373,770; Dec. 19; Serial No. 423,265; published Oct. 10, 1939. Class 44.
Hendrix, Granville L., Santa Rosa, assignor, by mesne assignments, to Maurice L. Samter, San Francisco, Calif. Neckties. 130,313; renewed Apr. 20, 1940.
Henri Foods, Inc. (See Woodruff, Viola V. N.)
Hermione. (See Palmer, Hermione R.)
Hero Manufacturing Company, Middleboro, Mass. Pin ball game. 373,768; Dec. 19; Serial No. 423,135; published Oct. 10, 1939. Class 22.
Heublein, G. F., & Bro., Hartford, Conn. Whiskey. 373,764; Dec. 19; Serial No. 422,933; published Oct. 10, 1939. Class 49.
Holmes & Gilfillan. (See Ball, Bernard A.)
I-XL Furniture Co. Inc., The, Goshen, Ind. Kitchen furniture. 373,761; Dec. 19; Serial No. 422,702; published Oct. 10, 1939. Class 32.
International Chain & Manufacturing Company, York, Pa. Chain. 373,787; Dec. 19. Class 13.
Italian Swiss Colony, San Francisco, Calif. Wines. 373,734; Dec. 19; Serial No. 421,572; published Oct. 10, 1939. Class 47.
J & J Tool and Machine Company, doing business as Metal Arts Craftsmen, Chicago, Ill. Stands. 373,718; Dec. 19; Serial No. 421,289; published Oct. 10, 1939. Class 32.
Jacobs Candy Company, Ltd., assignor to Jacobs Candy Company, Inc., New Orleans, La. Candy. 127,623; renewed Nov. 18, 1939.
Jacobs Candy Company, Ltd., assignor to Jacobs Candy Company, Inc., New Orleans, La. Candy. 127,751; renewed Dec. 2, 1939.
Jodel, Inc., New York, N. Y. Wide elastic fabric in the piece. 373,706; Dec. 19; Serial No. 419,520; published Oct. 10, 1939. Class 42.
Johnson, Irene L., doing business as Sun Gold Gardens, Indio, Calif. Fresh dates and citrus fruit. 373,678; Dec. 19; Serial No. 409,039; published Sept. 12, 1939. Class 46.
Junge Baking Company, Joplin, Mo. Soda crackers. 373,694; Dec. 19; Serial No. 416,567; published Apr. 25, 1939. Class 46.
Kayser, Julius, & Co., New York, N. Y. Girdles. 373,748; Dec. 19; Serial No. 422,330; published Oct. 3, 1939. Class 39.
Kellogg, Spencer, and Sons, Inc., Buffalo, N. Y. Drying oils. 373,738; Dec. 19; Serial No. 421,806; published Oct. 10, 1939. Class 16.
Kelly, Henry, & Sons, Inc., New York, N. Y. Whiskey. 373,779; Dec. 19. Class 49.
Kinston Free Press Company, Inc., Kinston, N. C. Newspaper. 373,788; Dec. 19. Class 38.
Koefoed, Hauberg, Marstrand og Helweg, Aktieselskabet Titan, Copenhagen, Denmark. Centrifugal separators. 373,700; Dec. 19; Serial No. 418,253; published Oct. 10, 1939. Class 23.
Kritzer, John B., doing business as Kritzer Contracting Co., Oak Park, Ill. Monolithic masonry brick. 373,681; Dec. 19; Serial No. 411,578; published Aug. 1, 1939. Class 12.
Krywonos, Eugene, doing business as Polka Coffee Company, Chicago, Ill. Coffee. 373,756; Dec. 19; Serial No. 422,588; published Oct. 10, 1939. Class 46.
Litchfield Manufacturing Company, Litchfield, Mich. Playground apparatus. 373,762; Dec. 19; Serial No. 422,821; published Oct. 10, 1939. Class 22.
Lowe, Joe, Corporation, New York, N. Y. Marbles, combination checkers and Chinese checkers game, etc. 373,697; Dec. 19; Serial No. 417,545; published Oct. 10, 1939. Class 22.
Lummus Cotton Gin Co., Columbus, Ga. Machinery. 131,178; renewed May 4, 1940.
Lustr-Ite Corporation, The, assignor to The Lustrite Corporation, Brooklyn, N. Y. Toilet preparations. 127,766; renewed Dec. 2, 1939.
Manning Mfg. Co., Rutland, Vt. Lubricating oil and gasoline. 373,746; Dec. 19; Serial No. 421,975; published Oct. 3, 1939. Class 15.
Maxey, Latimer, assignor to L. Maxey, Inc., Frostproof, Fla. Fresh fruits. 131,345; renewed May 11, 1940.
Metal Arts Craftsmen. (See J & J Tool and Machine Company.)
Meyer, Joseph H., Brothers, Brooklyn, N. Y. Cigarette holders. 373,729; Dec. 19; Serial No. 421,387; published Oct. 10, 1939. Class 8.
Middleton, John, Inc., Philadelphia, Pa. Smoking tobacco. 373,784; Dec. 19. Class 17.
Mid-States Gummed Paper Co., Chicago, Ill. Paper veneer tape. 373,737; Dec. 19; Serial No. 421,664; published Oct. 10, 1939. Class 37.
Midwest Fibre Company, Sheboygan, Wis. Livingroom furniture. 373,722; Dec. 19; Serial No. 421,350; published Oct. 10, 1939. Class 32.
Milcola Co., The. (See Olsen, Lester S.)
Morning Milk Company, Salt Lake City, Utah. Evaporated milk. 373,728; Dec. 19; Serial No. 421,351; published Oct. 10, 1939. Class 46.
Myers, Philip R., New York, N. Y. Whiskey, gin, rum, etc. 373,789; Dec. 19. Class 49.
National Transit Pump and Machine Company, Oil City, Pa. Pumps, condensers, engines, etc. 130,843; renewed May 4, 1940.
Nelson Machine & Manufacturing Co., The, Cleveland, Ohio. Electrical heating and cooking appliances. 373,720; Dec. 19; Serial No. 421,316; published Oct. 10, 1939. Class 21.
Nestor Johnson Manufacturing Company, Chicago, Ill. Ice skates and skate outfits. 373,757; Dec. 19; Serial No. 422,632; published Oct. 10, 1939. Class 22.
New Process Metals Corporation, Newark, N. J. Pyrophoric or sparking metal alloys. 373,701; Dec. 19; Serial No. 418,528; published Oct. 10, 1939. Class 14.
Number One Distilling Company, Philadelphia and Aladdin, Pa., and Lawrenceburg, Ind. Brandy, whiskey, gin, etc. 373,771; Dec. 19; Serial No. 423,384; published Oct. 10, 1939. Class 49.
Ohio Oil Company, The, Findlay, Ohio. Motor oil, kerosene, fuel oil, etc. 373,752; Dec. 19; Serial No. 422,519; published Oct. 3, 1939. Class 15.
Olsen, Lester S., doing business as The Milcola Co., Milwaukee, Wis. Dairy drink. 373,679; Dec. 19; Serial No. 410,517; published Nov. 15, 1938. Class 46.
Palmer, Hermione R., doing business as Hermione, Berkeley, Calif. Jewelry. 373,740; Dec. 19; Serial No. 421,831; published Oct. 3, 1939. Class 28.
Penn Tobacco Company, Wilkes-Barre, Pa. Smoking and chewing tobacco. 373,747; Dec. 19; Serial No. 422,255; published Oct. 10, 1939. Class 17.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Aluminum ware. 373,745; Dec. 19; Serial No. 421,945; published Oct. 10, 1939. Class 13.
Peters Manufacturing Co., Boston, to Peters Manufacturing Company, Wollaston, Mass. Shoe fabrics. 130,863; renewed May 4, 1940.
Photo Utilities, Inc., New York, N. Y. Exposure meters. 373,703; Dec. 19; Serial No. 418,850; published Oct. 10, 1939. Class 26.
Polka Coffee Company. (See Krywonos, Eugene.)
Robinson, James P., Tokyo, Japan, assignor to Robinson & Cohen, San Francisco, Calif. Prophylactic articles. 373,749; Dec. 19; Serial No. 422,342; published Oct. 10, 1939. Class 44.
Rogers Imports, Inc., New York, N. Y. Pipes and cigar and cigarette holders. 373,696; Dec. 19; Serial No. 417,099; published July 4, 1939. Class 8.
Royal Lace Paper Works, Brooklyn, N. Y. Paper doilies, shelf papers, lace papers, etc. 373,751; Dec. 19; Serial No. 422,487; published Oct. 10, 1939. Class 37.
Sadowsky, Charles, New York, N. Y. Garment hangers. 373,732; Dec. 19; Serial No. 421,494; published Oct. 10, 1939. Class 50.
Samter, Maurice L. (See Hendirx, Granville L., assignor.)
Schainman Sportwear Co., New York, N. Y. Clothing. 373,777; Dec. 19. Class 39.
Schneeberger, Leroy O., doing business as Bubble Up Company, St. Louis, Mo. Beverage. 373,743; Dec. 19; Serial No. 421,905; published Oct. 10, 1939. Class 45.
Schroeder, Elmer J., doing business as Elmer Schroeder, Buhl, Idaho. Pop corn. 373,675; Dec. 19; Serial No. 407,333; published Sept. 6, 1938. Class 46.
Silverberg, Isadore M., doing business as The Arovelope Company, Chicago, Ill. Envelopes. 373,744; Dec. 19; Serial No. 421,907; published Oct. 10, 1939. Class 37.
Simoniz Company, The. (See Corol Company.)
Simpson-Walther Lens, Inc., Rochester, N. Y. Complete sunglasses and sunglass lenses, and lenses for spectacle use on prescription. 373,719; Dec. 19; Serial No. 421,297; published Oct. 10, 1939. Class 26.
Slater & Morrill, Incorporated, assignor to C. B. Slater Company, South Braintree, Mass. Boots or shoes. 121,238; renewed May 4, 1940.
Srdanov, George, East Chicago, Inc. Celery juice. 373,772; Dec. 19. Class 46.
Standard Oil Company of New Jersey, Wilmington, Del. Matches. 373,733; Dec. 19; Serial No. 421,543; published Oct. 10, 1939. Class 9.
Steak-n-Shake. (See Belt, Augustus H.)
Steel Mills Compounds Company. (See Epstein, Herman.)

Stewart, John, & Co. (Edinburgh) Limited, Glasgow, Scotland. Whisky. 373,758; Dec. 19; Serial No. 422,635; published Oct. 10, 1939. Class 49.
Stewart, Wm. A., assignor to Stewart & Ashby Coffee Co., Chicago, Ill. Coffee. 129,547; renewed Feb. 24, 1940.
Sun Gold Gardens. (See Johnson, Irene L.)
Taylor Wine Company, The, Hammondsport, N. Y. Wines. 373,698; Dec. 19; Serial No. 417,666; published Oct. 10, 1939. Class 47.
Tebor Inc., New York, N. Y. Ceramic table and cooking ware, jars and vases. 373,708; Dec. 19; Serial No. 419,892; published Oct. 10, 1939. Class 30.
Telex Products Co. (See Hempel, Allen.)
Thomas, M. & W., Corp., New York, N. Y. Piece goods. 373,711; Dec. 19; Serial No. 420,270; published Oct. 10, 1939. Class 42.
Thomas Radiator Mfg. Co. (See Thomasian, Krikor D.)
Thomasian, Krikor D., doing business as Thomas Radiator Mfg. Co., San Francisco, Calif. Radiators. 373,786; Dec. 19. Class 34.
Titanine, Inc., Union, N. J. Paints, varnishes, paint enamels, etc. 373,723; Dec. 19; Serial No. 422,026; published Oct. 10, 1939. Class 16.
Titanine, Inc., Union, N. J. Paints, varnishes, paint enamels, etc. 373,735; Dec. 19; Serial No. 421,626; published Oct. 10, 1939. Class 16.
Traders Oil Mill Company, Fort Worth, Tex. Vegetable protein. 373,705; Dec. 19; Serial No. 419,406; published Oct. 10, 1939. Class 46.
Trafficscope, Incorporated, Minneapolis, Minn. Bridge-like structure adapted to extend above and across a highway. 373,715; Dec. 19; Serial No. 420,606; published Oct. 10, 1939. Class 26.
Turco Products, Inc., Los Angeles, Calif. Cleaning compound. 373,687; Dec. 19; Serial No. 413,919; published Oct. 10, 1939. Class 4.
Union Cooperative de Viticulteurs Charentais, Cognac, France. Cognac. 373,765; Dec. 19; Serial No. 423,017; published Oct. 10, 1939. Class 49.
United Brush Manufactories, New York, N. Y. Varnish-brushes. 127,524; renewed Nov. 11, 1939.
United Brush Manufactories, New York, N. Y. Brushes. 127,526–7; renewed Nov. 11, 1939.
United Brush Manufactories, New York, N. Y. Artists' brushes. 127,529; renewed Nov. 11, 1939.
United States Junior Chamber of Commerce, The, St. Louis, Mo. Publication. 373,682; Dec. 19; Serial No. 412,015; published Jan. 10, 1939. Class 38.
United States Plywood Corporation, New York, N. Y. Veneered doors and plywood panels. 373,739; Dec. 19; Serial No. 421,828; published Sept 26, 1939. Class 12.
Vitro Agate Company, The, Parkersburg, W. Va. Game. 373,767; Dec. 19; Serial No. 423,119; published Oct. 10, 1939. Class 22.
Waldes & Co., Prague, Bohemia, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Placket-fasteners, glove-fasteners, buttons, etc. 130,972–4; renewed May 4, 1940.
Waldes & Co., Prague, Bohemia, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Notions. 131,263; renewed May 4, 1940.
Waltham Watch Company, Waltham, Mass. Watch materials, watches, and watch cases. 130,437; renewed Apr. 20, 1940.
Waterloo Canning Association, Waterloo, Wis. Canned corn and canned peas. 130,440; renewed Apr. 20, 1940.
Waters, J. C., doing business as Waters Manufacturing Co., Los Angeles, Calif. Carbon papers and inked ribbons. 373,790; Dec. 19. Class 11.
Weatherbest Corporation, North Tonawanda, N. Y. Fabricated compressed insulation board, or wall board. 373,750; Dec. 19; Serial No. 422,349; published Sept. 26, 1939. Class 12.
Westgate Sea Products Co., San Diego, Calif. Canned fish. 373,730; Dec. 19; Serial No. 421,444; published Oct. 10, 1939. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric heaters. 128,900; renewed Jan. 13, 1940.
Whittemore Bros. Corp., Cambridge, Mass. Dressing to be used on leather and articles made therefrom. 130,594; renewed Apr. 27, 1940.
Williams, J. B., Company, The, Glastonbury, Conn. Preparations for treating the skin and conditioning the beard. 373,714; Dec. 19; Serial No. 420,438; published Oct. 10, 1939. Class 4.
Wilton Manufacturing Co., Inc., assignor to American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 129,936; renewed Mar. 9, 1940.
Windsor Products Company, Inc., Bridgeton, N. J. Tomato catsup and juice. 373,759; Dec. 19; Serial No. 422,646; published Oct. 10, 1939. Class 46.
Woodruff, Viola V. N., Flushing, to Henri Foods, Inc., Long Island City, N. Y., successor. Foods and ingredients of foods. 128,581; renewed Jan. 6, 1940.
Worthington Ball Company, The, Elyria, Ohio. Golf balls. 373,685; Dec. 19; Serial No. 413,848; published Oct. 10, 1939. Class 22.
Yundt, Michael, Company, Waukesha, Wis. Bottle cleaning apparatus and bottle washing machinery. 373,688; Dec. 19; Serial No. 414,317; published Oct. 10, 1939. Class 23.
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 373,684; Dec. 19; Serial No. 413,751; published Oct. 10, 1939. Class 21.
Zildjian, Avedis, Co., Norfolk Downs, Mass. Cymbals. 373,674; Dec. 19; Serial No. 400,180; published Mar. 29, 1938. Class 36.

LIST OF REGISTRANTS OF LABELS

Allied Chemical Co. Inc., Seattle, Wash. Ninety-Nine Dependable Germicidal Solution. For Germicidal Solution. 54,033; Dec. 19.
Beech-Nut Packing Company, Canajoharie, N. Y. Chowder. For Chowder. 54,034; Dec. 19.
Beverly Dairies Ltd., Los Angeles, Calif. Mission Belle Ice Cream. For Ice Cream. 54,035; Dec. 19.
Direct Shipping Corporation, New York, N. Y. A Friendly Neighbor Coffee. For Coffee. 54,036; Dec. 19.
Greiner, C. A., doing business as Gulf Packing Company, New Orleans, La. Barnacle Bill. For Canned Shrimp. 54,037; Dec. 19.
Gulf Packing Company. (See Greiner, C. A.)
Old Reading Brewery, Inc., Reading, Pa. Berkshire. For Ale. 54,038; Dec. 19.
Peper, Christian, Tobacco Company, St. Louis, Mo. Whitehall. For Smoking Tobacco. 54,039; Dec. 19.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Action Picture Showing What Happens When You Eat a Piece of MacFarlane Candy. For Candy. 17,761; Dec. 19.
Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. You Should Have Heard Them Howl and Squawk! (When I Boosted the Price to 69¢). For Candy. 17,762; Dec. 19.
California Fruit Growers Exchange, Los Angeles, Calif. Oil of Lemon. For Oil of Lemon. 17,763; Dec. 19.
Frankfort Distilleries, Incorporated, Louisville, Ky. Do Your Christmas Shopping Easy (Border of Holly). For Whiskey. 17,764; Dec. 19.
National Nu-Grape Company, Atlanta, Ga. NuGrape. For a Soft Drink. 17,765; Dec. 19.
Parker Pen Company, The, Janesville, Wis. Parker's Blue Diamond Mark Means You'll Never Again Have to Buy a Pen. For Fountain Pens and Mechanical Pencils. 17,766; Dec. 19.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fiber, sheets, rods, tubes, and disks. Parchmentized. Diamond State Fibre Company. 130,700; renewed May 4, 1940.
Furs, skins, hides, and pelts. Fouke Fur Company. 373,769; Dec. 19; Serial No. 423,259; published Oct. 10, 1939.
Leather fibre sheets. Atlas Leather Company. 373,773; Dec. 19.
Limestone, Pulverized or ground. American Limestone Company. 130,027; renewed Apr. 6, 1940.
Nepheline svenite. American Nelpheline Corporation. 373,775; Dec. 19.

CLASS 4

Cleaning compound. Turco Products, Inc. 373,687; Dec. 19; Serial No. 413,919; published Oct. 10, 1939.
Dressing to be used on leather and articles made therefrom. Whittemore Bros. Corp. 130,594; renewed Apr. 27, 1940.

Preparations for treating the skin and conditioning the beard. J. B. Williams Company. 373,714; Dec. 19; Serial No. 420,438; published Oct. 10, 1939.

CLASS 6

Toilet preparations. Lustr-Ite Corporation. 127,766; renewed Dec. 2, 1939.

CLASS 8

Cigarette holders. Joseph H. Meyer Brothers. 373,729; Dec. 19; Serial No. 421,387; published Oct. 10, 1939.
Pipes and cigar and cigarette holders. Rogers Imports, Inc. 373,696; Dec. 19; Serial No. 417,099; published July 4, 1939.

CLASS 9

Matches. Standard Oil Company of New Jersey. 373,733; Dec. 19; Serial No. 421,543; published Oct. 10, 1939.

CLASS 10

Fertilizer, Artificial. H. P. Bendien. 373,704; Dec. 19; Serial No. 419,172; published Aug. 29, 1939.

CLASS 11

Carbon-paper. M. B. Cook Company. 129,658; renewed Mar. 9, 1940.
Carbon papers and inked ribbons. J. C. Waters. 373,790; Dec. 19.

CLASS 12

Brick, Monolithic masonry. J. B. Kritzer. 373,681; Dec. 19; Serial No. 411,578; published Aug. 1, 1939.
Doors and plywood panels, Veneered. United States Plywood Corporation. 373,739; Dec. 19; Serial No. 421,828; published Sept. 26, 1939.
Insulation board, or wall board, Fabricated compressed. Weatherbest Corporation. 373,750; Dec. 19; Serial No. 422,349; published Sept. 26, 1939.

CLASS 13

Chain. International Chain & Manufacturing Company. 373,787; Dec. 19.
Coasters, Base metal. G. Haffner. 373,702; Dec. 19; Serial No. 418,637; published Oct. 10, 1939.
Door-springs, Helical wire. American Steel and Wire Company of New Jersey. 130,456; renewed Apr. 27, 1940.
Ware, Aluminum. J. C. Penney Company. 373,745; Dec. 19; Serial No. 421,945; published Oct. 10, 1939.
Wire and wire fencing, Oval fence. American Steel and Wire Company of New Jersey. 130,457; renewed Apr. 27, 1940.

CLASS 14

Alloys, Pyrophoric or sparking metal. New Process Metals Corporation. 373,701; Dec. 19; Serial No. 418,528; published Oct. 10, 1939.
Ingots, rods, tube-blanks, etc. Bridgeport Brass Company. 131,056; renewed May 4, 1940.
Metals and metal castings and forgings, Ferrous. American Brake Shoe and Foundry Company. 373,741; Dec. 19; Serial No. 421,832; published Oct. 10, 1939.
Metals and metal castings and forgings, Ferrous. American Brake Shoe and Foundry Company. 373,742; Dec. 19; Serial No. 421,834; published Oct. 10, 1939.

CLASS 15

Coating compounds, Anti-friction. H. Epstein. 373,755; Dec. 19; Serial No. 422,583; published Oct. 3, 1939.
Motor oil, kerosene, fuel oil, etc. Ohio Oil Company. 373,752; Dec. 19; Serial No. 422,519; published Oct. 3, 1939.
Oil, and gasoline, Lubricating. Manning Mfg. Co. 373,746; Dec. 19; Serial No. 421,975; published Oct. 3, 1939.
Oils and greases, Lubricating. Barton-Grimsley Corporation. 373,725; Dec. 19; Serial No. 422,194; published Oct. 3, 1939.
Slushing compounds, Antirust. Corol Company. 129,443; renewed Feb. 24, 1940.

CLASS 16

Oils, Drying. Spencer Kellogg and Sons, Inc. 373,738; Dec. 19; Serial No. 421,806; published Oct. 10, 1939.
Paints, varnishes, paint enamels, etc. Titanine, Inc. 373,723; Dec. 19; Serial No. 422,026; published Oct. 10, 1939.
Paints, varnishes, paint enamels, etc. Titanine, Inc. 373,735; Dec. 19; Serial No. 421,626; published Oct. 10, 1939.

CLASS 17

Cigarettes. American Tobacco Company. 128,920; renewed Jan. 20, 1940.
Cigarettes. Axton-Fisher Tobacco Company. 373,780; Dec. 19.
Cigarettes and tobacco. American Tobacco Company. 128,921; renewed Jan. 20, 1940.
Tobacco, Smoking. John Middleton, Inc. 373,784; Dec. 19.
Tobacco, Smoking and chewing. Penn Tobacco Company. 373,747; Dec. 19; Serial No. 422,255; published Oct. 10, 1939.

CLASS 19

Airplanes and structural parts thereof. Douglas Aircraft Company. 373,693; Dec. 19; Serial No. 416,459; published Oct. 10, 1939.

CLASS 21

Connector-fuse protective coverings and electrical connectors. Burndy Engineering Company. 373,691; Dec. 19; Serial No. 416,091; published Oct. 10, 1939.
Heaters, Electric. Westinghouse Electric & Manufacturing Company. 128,900; renewed Jan. 13, 1940.
Heating and cooking appliances, Electrical. Nelson Machine & Manufacturing Co. 373,720; Dec. 19; Serial No. 421,316; published Oct. 10, 1939.
Ignition and starting apparatus and electric-lighting systems and parts thereof. American Bosch Magneto Corporation. 129,974; renewed Mar. 16, 1940.
Lighting fixtures, Unitary electric. Goodrich Electric Company. 373,717; Dec. 19; Serial No. 420,758; published Oct. 10, 1939.
Radio and television receiving sets and parts thereof. Zenith Radio Corporation. 373,684; Dec. 19; Serial No. 413,751; published Oct. 10, 1939.

CLASS 22

Balls, Golf. Worthington Ball Company. 373,685; Dec. 19; Serial No. 413,848; published Oct. 10, 1939.
Dolls and toy figures. Walt Disney Productions. 373,724; Dec. 19; Serial No. 423,038; published Oct. 10, 1939.
Game. Vitro Agate Company. 373,767; Dec. 19; Serial No. 423,119; published Oct. 10, 1939.
Game, Pin ball. Hero Manufacturing Company. 373,768; Dec. 19; Serial No. 423,135; published Oct. 10, 1939.
Marbles, combination checkers and Chinese checkers game, etc. Joe Lowe Corporation. 373,697; Dec. 19; Serial No. 417,545; published Oct. 10, 1939.
Playground apparatus. Litchfield Manufacturing Company. 373,762; Dec. 19; Serial No. 422,821; published Oct. 10, 1939.
Skates and skate outfits, Ice. Nestor Johnson Manufacturing Company. 373,757; Dec. 19; Serial No. 422,632; published Oct. 10, 1939.
Ski waxes, ski varnishes, ski oils, etc. Chemurgic Corporation. 373,766; Dec. 19; Serial No. 423,023; published Oct. 10, 1939.
Tenpin setters, Bowling alley. B. A. Ball. 373,763; Dec. 19; Serial No. 422,888; published Oct. 10, 1939.

CLASS 23

Bottle cleaning apparatus and bottle washing machinery. Michael Yundt Company. 373,688; Dec. 19; Serial No. 414,317; published Oct. 10, 1939.
Machinery. Lummus Cotton Gin Co. 131,178; renewed May 4, 1940.
Mowers, Lawn. Dille & McGuire Mfg. Co. 373,680; Dec. 19; Serial No. 410,582; published Oct. 10, 1939.
Power chambers used in the operation of power brakes. Besler Systems. 373,713; Dec. 19; Serial No. 420,308; published Oct. 10, 1939.
Pumps, condensers, engines, etc. National Transit Pump and Machine Company. 130,843; renewed May 4, 1940.
Separators, Centrifugal. Koefoed, Hauberg, Marstrand og Heiweg Aktieselskabet Titan. 373,700; Dec. 19; Serial No. 418,253; published Oct. 10, 1939.
Tools and machine elements, Metallic. Cleveland Twist Drill Company. 373,753; Dec. 19; Serial No. 422,565; published Oct. 10, 1939.
Vaporizing apparatus for insect repellent, Refillable. Crown Specialties, Inc. 373,689; Dec. 19; Serial No. 414,519; published Oct. 10, 1939.

CLASS 26

Bridge-like structure adapted to extend above and across a highway. Trafficscope, Incorporated. 373,715; Dec. 19; Serial No. 420,606; published Oct. 10, 1939.
Meters, Exposure. Photo Utilities, Inc. 373,703; Dec. 19; Serial No. 418,850; published Oct. 10, 1939.
Protecting-tubes for pyrometers. Brown Instrument Company. 130,653; renewed May 4, 1940.
Scales, Weighing. B. F. Gump Co. 373,686; Dec. 19; Serial No. 413,868; published Oct. 10, 1939.
Sunglasses and sunglass lenses, and lenses for spectacle use on prescription, Complete. Simpson-Walther Lens, Inc. 373,719; Dec. 19; Serial No. 421,297; published Oct. 10, 1939.
Sungoggles and sunglasses. Glemby Company. 373,699; Dec. 19; Serial No. 417,838; published Oct. 10, 1939.
Thermostatic heating control units. Anthracite Industries, Inc. 373,695; Dec. 19; Serial No. 416,940; published Oct. 10, 1939.

CLASS 27

Watch materials, watches, and watchcases. Waltham Watch Company. 130,437; renewed Apr. 20, 1940.

CLASS 28

Badges, lapel buttons, scarf, lapel, and breast pins, etc., Sorority. Alpha Iota Sorority. 373,731; Dec. 19; Serial No. 421,469; published Sept. 26, 1939.
Bracelets. Gruen Watch Company. 373,778; Dec. 19.
Bracelets, neck chains, ear ornaments, etc., Watch. Gemex Company. 373,782; Dec. 19.
Jewelry. H. R. Palmer. 373,740; Dec. 19; Serial No. 421,831; published Oct. 3, 1939.

CLASS 29

Brushes. United Brush Manufactories. 127,526–7; renewed Nov. 11, 1939.
Brushes, Artists'. United Brush Manufactories. 127,529; renewed Nov. 11, 1939.
Brushes, Varnish. United Brush Manufactories. 127,524; renewed Nov. 11, 1939.

CLASS 30

Ceramic table and cooking ware, jars and vases. Tebor Inc. 373,708; Dec. 19; Serial No. 419,892; published Oct. 10, 1939.

CLASS 32

Furniture, Kitchen. I-XL Furniture Co. Inc. 373,761; Dec. 19; Serial No. 422,702; published Oct. 10, 1939.
Furniture, Livingroom. Midwest Fibre Company. 373,722; Dec. 19; Serial No. 421,350; published Oct. 10, 1939.
Mattresses. Cleesco Bedding Co. 373,760; Dec. 19; Serial No. 422,656; published Oct. 10, 1939.
Mattresses, box-springs, studio-couches, etc. Burton-Dixie Corporation. 373,673; Dec. 19; Serial No. 395,940; published Nov. 1, 1938.
Stands. J & J Tool and Machine Company. 373,718; Dec. 19; Serial No. 421,289; published Oct. 10, 1939.

CLASS 34

Radiators. K. D. Thomasian. 373,786; Dec. 19.
Reflectors, Metal. British Aluminium Company Limited. 373,690; Dec. 19; Serial No. 415,469; published Oct. 10, 1939.

CLASS 36

Cymbals. Avedis Zildjian Co. 373,674; Dec. 19; Serial No. 400,180; published Mar. 29, 1938.

CLASS 37

Envelopes. I. M. Silverberg. 373,744; Dec. 19; Serial No. 421,907; published Oct. 10, 1939.
Paper doilies, shelf papers, lace papers, etc. Royal Lace Paper Works. 373,751; Dec. 19; Serial No. 422,487; published Oct. 10, 1939.
Paper veneer tape. Mid-States Gummed Paper Co. 373,737; Dec. 19; Serial No. 421,664; published Oct. 10, 1939.
Paper, Wrapping and lining. Angier Mechanical Laboratories. 128,287; renewed Jan. 6, 1940.

CLASS 38

House organs. Goodyear Tire & Rubber Company. 129,731; renewed Mar. 9, 1940.
Newspaper. Kinston Free Press Company. 373,788; Dec. 19.
Publication. United States Junior Chamber of Commerce. 373,682; Dec. 19; Serial No. 412,015; published Jan. 10, 1939.

CLASS 39

Belts, Ladies' apparel. Garay & Co. Inc. 373,692; Dec. 19; Serial No. 416,448; published July 4, 1939.
Boots or shoes. Slater & Morrill, Incorporated. 131,238; renewed May 4, 1940.
Clothing. Schainman Sportwear Co. 373,777; Dec. 19.
Dresses, suits, shoes, etc. F. Altschuler-Picard. 373,776; Dec. 19.
Girdles. Julius Kayser & Co. 373,748; Dec. 19; Serial No. 422,330; published Oct. 3, 1939.
Neckties. G. L. Hendrix. 130,313; renewed Apr. 20, 1940.
Shirts. I. H. Barnett, Inc. 373,736; Dec. 19; Serial No. 421,631; published Sept. 26, 1939.
Sweaters, bathing suits, and slacks. Central Knitwear Mills, Inc. 373,721; Dec. 19; Serial No. 421,340; published Sept. 26, 1939.

CLASS 40

Fasteners, glove-fasteners, buttons, etc., Placket. Waldes & Co. 130,972–4; renewed May 4, 1940.
Fasteners, Snap. Fulford Mfg. Co. 130,298; renewed Apr. 20, 1940.
Notions. Waldes & Co. 131,263; renewed May 4, 1940.

CLASS 42

Cotton goods in the piece. American Bleached Goods Company. 129,573; renewed Mar. 9, 1940.
Cotton piece goods. Wilton Manufacturing Co. 129,936; renewed Mar. 9, 1940.
Fabric in the piece, Wide elastic. Jodel, Inc. 373,706; Dec. 19; Serial No. 419,520; published Oct. 10, 1939.
Piece goods. American Bleached Goods Company. 373,774; Dec. 19.
Piece goods. Cohn-Hall-Marx Co. 373,709; Dec. 19; Serial No. 420,050; published Oct. 10, 1939.
Piece goods. M. & W. Thomas Corp. 373,711; Dec. 19; Serial No. 420,270; published Oct. 10, 1939.
Rayon and rayon-wool fabrics in the piece. Granite Fabrics, Inc. 373,710; Dec. 19; Serial No. 420,100; published Oct. 10, 1939.
Woolen piece goods. Forstmann Woolen Company. 373,726; Dec. 19; Serial No. 422,206; published Oct. 10, 1939.

CLASS 44

Denture blanks, forceps, strips, etc. Bridges Dental Supply Company. 373,754; Dec. 19; Serial No. 422,571; published Oct. 10, 1939.
Instruments and appliances for testing and hearing, etc. A. Hempel. 373,770; Dec. 19; Serial No. 423,265; published Oct. 10, 1939.
Prophylactic articles. J. P. Robinson. 373,749; Dec. 19; Serial No. 422,342; published Oct. 10, 1939.
Sphygmomanometers. W. A. Baum Co. Inc. 128,307; renewed Jan. 6, 1940.

CLASS 45

Beverage. L. O. Schneeberger. 373,743; Dec. 19; Serial No. 421,905; published Oct. 10, 1939.

CLASS 46

Candy. Jacobs Candy Company. 127,623; renewed Nov. 18, 1939.
Candy. Jacobs Candy Company. 127,751; renewed Dec. 2, 1939.
Canned Beets. Comstock Canning Corporation. 373,785; Dec. 19.
Canned corn and canned peas. Waterloo Canning Association. 130,440; renewed Apr. 20, 1940.
Canned fish. Westgate Sea Products Co. 373,730; Dec. 19; Serial No. 421,444; published Oct. 10, 1939.
Celery juice. G. Srdanov. 373,772; Dec. 19.
Coffee. Gulf City Coffee Company. 373,683; Dec. 19; Serial No. 412,095; published Oct. 10, 1939.
Coffee. E. Krywonos. 373,756; Dec. 19; Serial No. 422,588; published Oct. 10, 1939.
Coffee. W. A. Stewart. 129,547; renewed Feb. 24, 1940.
Corn meal, yellow corn meal, dairy feed, etc., White. City Mills Company. 373,707; Dec. 19; Serial No. 419,855; published Oct. 3, 1939.
Crackers, Soda. Junge Baking Company. 373,694; Dec. 19; Serial No. 416,567; published Apr. 25, 1939.
Dairy drink. L. S. Olsen. 373,679; Dec. 19; Serial No. 410,517; published Nov. 15, 1938.
Dates and citrus fruit, Fresh. I. L. Johnson. 373,678; Dec. 19; Serial No. 409,039; published Sept. 12, 1939.
Foods and ingredients of foods. V. V. N. Woodruff. 128,581; renewed Jan. 6, 1940.
Fruit, fresh vegetables, and canned citrus fruit juices, Fresh citrus. L. F. Drake. 373,783; Dec. 19.
Fruits, Fresh. L. Maxcy. 131,345; renewed May 11, 1940.
Meat, Luncheon. Armour and Company. 373,712; Dec. 19; Serial No. 420,397; published Oct. 10, 1939.
Milk, Evaporated. Morning Milk Company. 373,728; Dec. 19; Serial No. 421,351; published Oct. 10, 1939.
Nuts, candy, popcorn, etc. Heck Specialty Company. 373,716; Dec. 19; Serial No. 420,676; published Oct. 10, 1939.
Pop corn. E. J. Schroeder. 373,675; Dec. 19; Serial No. 407,333; published Sept. 6, 1938.
Sandwiches, vegetable sandwiches, milk shakes, etc., Ground meat. A. H. Belt. 373,781; Dec. 19.
Tea. Albert Ehlers, Inc. 373,727; Dec. 19; Serial No. 422,240; published Oct. 10, 1939.
Teas. Gertrude H. Ford Tea Company. 130,722; renewed May 4, 1940.
Tomato catsup and juice. Windsor Products Company. 373,759; Dec. 19; Serial No. 422,646; published Oct. 10, 1939.
Vegetable protein. Traders Oil Mill Company. 373,705; Dec. 19; Serial No. 419,406; published Oct. 10, 1939.

CLASS 47

Wines. Italian Swiss Colony. 373,734; Dec. 19; Serial No. 421,572; published Oct. 10, 1939.
Wines. Taylor Wine Company. 373,698; Dec. 19; Serial No. 417,666; published Oct. 10, 1939.

CLASS 49

Brandy, whiskey, gin, etc. Number One Distilling Company. 373,771; Dec. 19; Serial No. 423,384; published Oct. 10, 1939.
Cognac. Union Cooperative de Viticulteurs Charentais. 373,765; Dec. 19; Serial No. 423,017; published Oct. 10, 1939.
Liqueurs. Chartreuse Corporation. 373,676; Dec. 19; Serial No. 407,531; published Sept. 6, 1938.
Liqueurs. Chartreuse Corporation. 373,677; Dec. 19; Serial No. 407,533; published Sept. 6, 1938.
Whiskey. Henry Kelly & Sons, Inc. 373,779; Dec. 19.

Whiskey. G. F. Heublein & Bro. 373,764; Dec. 19; Serial No. 422,933; published Oct. 10, 1939.
Whiskey, gin, rum, etc. P. R. Myers. 373,789; Dec. 19.
Whisky. John Stewart & Co. (Edinburgh) Limited. 373,758; Dec. 19; Serial No. 422,635; published Oct. 10, 1939.

CLASS 50

Fabrics, Shoe. Peters Manufacturing Co. 130,863; renewed May 4, 1940.
Hangers, Garment. C. Sadowsky. 373,732; Dec. 19; Serial No. 421,494; published Oct. 10, 1939.

LIST OF LABELS

A Friendly Neighbor Coffee. For Coffee. Direct Shipping Corporation. 54,036; Dec. 19.
Barnacle Bill. For Canned Shrimp. C. A. Greiner. 54,037; Dec. 19.
Berkshire. For Ale. Old Reading Brewery, Inc. 54,038; Dec. 19.
Chowder. For Chowder. Beech-Nut Packing Company. 54,034; Dec. 19.
Mission Belle Ice Cream. For Ice Cream. Beverly Dairies Ltd. 54,035; Dec. 19.
Ninety-Nine Dependable Germicidal Solution. For Germicidal Solution. Allied Chemical Co. Inc. 54,033; Dec. 19.
Whitehall. For Smoking Tobacco. Christian Peper Tobacco Company. 54,039; Dec. 19.

LIST OF PRINTS

Action Picture showing what Happens when You Eat a Piece of MacFarlane Candy. For Candy. Awful Fresh MacFarlane. 17,761; Dec. 19.
Do Your Christmas Shopping Easy (Border of Holly). For Whiskey. Frankfort Distilleries, Incorporated. 17,764; Dec. 19.
NuGrape. For a Soft Drink. National Nu-Grape Company. 17,765; Dec. 19.
Oil of Lemon. For Oil of Lemon. California Fruit Growers Exchange. 17,763; Dec. 19.
Parker's Blue Diamond Mark means You'll never again have to Buy a Pen. For Fountain Pens and Mechanical Pencils. Parker Pen Company. 17,766; Dec. 19.
You should have heard Them Howl and Squawk! (When I Boosted the Price to 69¢). For Candy. Awful Fresh MacFarlane. 17,762; Dec. 19.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ardon Co. (See Ilische, Arthur, assignor.)
Fry, Benjamin W., University City, and J. Gottfried, assignors to National Slug Rejectors, Inc., St. Louis, Mo. Coin selector for vending machines. Re. 21,301; Dec. 19.
Gottfried, John. (See Fry, B. W., and Gottfried.)
Grote, Walther H., New York, N. Y., assignor to United Carbon Company, Inc. Carbon black. Re. 21,302; Dec. 19.
Harper, Ewing, San Francisco, Calif. Ashtray and cigarette extinguisher. Re. 21,303; Dec. 19.
Ilische, Arthur, Rye, N. Y., assignor to Ardon Co., Inc., Wilmington, Del. Button fastener. Re. 21,304; Dec. 19.
National Slug Rejectors, Inc. (See Fry, B. W., and Gottfried, assignors.)
Parker, James E., Washington, D. C. Apparatus for amplifying electrical currents. Re. 21,305; Dec. 19.
United Carbon Company. (See Grote, Walther H., assignor.)
Wilford, Edward B., Merion, Pa. Aircraft. Re. 21,306; Dec. 19.

LIST OF PLANT PATENTEES

Dreer, Henry A., Incorporated. (See Verschuren, Hendrikus A., assignor.)
Verschuren, Hendrikus A., Haps, near Uden, Netherlands, assignor to Henry A. Dreer, Incorporated, Philadelphia, Pa. Rose. 350; Dec. 19.

LIST OF DESIGN PATENTEES

American Seating Company. (See Bond, Willard H., Jr., assignor.)
Atwood, Virgil, Oklahoma City, Okla. Combined signal lamp and bracket. 118,200; Dec. 19.
Bedford, Almon J., et al. (See Jones, Lester C., assignor.)
Bernstein, Milton, Brooklyn, assignor, by mesne assignments, to National Silver Company, New York, N. Y. Spoon or similar article. 118,108; Dec. 19.
Berkowitz, Samuel S., New York, N. Y. Dress. 118,203; Dec. 19.
Berkowitz, Samuel S., New York, N. Y. Dress ensemble. 118,204; Dec. 19.
Bill, George W., assignor to The Crosley Corporation, Cincinnati, Ohio. Automotive radio set. 118,151; Dec. 19.
Binks Manufacturing Company. (See Lotz, A. J., and Tammen, assignors.)
Biva, Lucien, Long Island City, N. Y., assignor to W. E. Roschen, Spring Lake, N. J., A. A. Levy, New York, N. Y., and J. Hastedt, Jersey City, N. J., co-executors of the estate of Otto Timme, doing business as E. F. Timme & Sons, New York, N. Y. Rug. 118,152; Dec. 19.
Biva, Lucien, Long Island City, N. Y., assignor to W. E. Roschen, Spring Lake, N. J., A. A. Levy, New York, N. Y., and J. Hastedt, Jersey City, N. J., co-executors of the estate of Otto Timme, doing business as E. F. Timme & Son, New York, N. Y. Rug. 118,153; Dec. 19.
Blazey, Lawrence, Cleveland, Ohio, assignor to Hussmann-Ligonier Company, St. Louis, Mo. Coffee mill. 118,149; Dec. 19.
Blazey, Lawrence, Cleveland, Ohio, assignor to Hussmann-Ligonier Company, St. Louis, Mo. Meat chopper or the like. 118,154; Dec. 19.
Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Folding chair. 118,185; Dec. 19.
Bonn, Harry, Union City, N. J. Reversible embroidered collar or similar article. 118,201; Dec. 19.
Bosak, Cyril M., Old Forge, Pa. Tooth brush. 118,155; Dec. 19.
Broude, Helen S., Elgin, Ill. Combination salt and pepper shaker. 118,148; Dec. 19.
Buchholz, Israel, New York, N. Y. Dress. 118,202; Dec. 19.
Callahan, Harry J., Detroit, Mich. Fireman's safety coat or similar article. 118,109; Dec. 19.
Canfield, Richard W., assignor to Clemson Bros., Inc., Middletown, N. Y. Implement handle. 118,156; Dec. 19.
Carragher, Hugh J., and T. B. Wilson, Brooklyn, assignors to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 118,205; Dec. 19.
Carragher, Hugh J., and T. B. Wilson, Brooklyn, assignors to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 118,206; Dec. 19.
Carragher, Hugh J., and T. B. Wilson, Brooklyn, assignors to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 118,207; Dec. 19.
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 118,208; Dec. 19.
Clemson Bros., Inc. (See Canfield, Richard W., assignor.)
Coalport China Company (John Rose & Co.) Limited, The. (See Langford, Alfred, assignor.)
Cohen, David C., et al. (See Trojan, José, assignor.)
Cohen, Jacob, New York, N. Y. Dress. 118,223; Dec. 19.
Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)
Cohn & Rosenberger, Inc. (See Pauzat, Charles E., assignor.)
Cole Hot Blast Mfg. Co. (See Reinecke, Jean O., assignor.)
Croizat, Madeleine, New York, N. Y. Dress ensemble. 118,209; Dec. 19.
Crosley Corporation, The. (See Bill, George W., assignor.)
Croizat, Madeleine, New York, N. Y. Dress ensemble. 118,210; Dec. 19.
Crystal Manufacturing Co. (See Trojan, José.)
Dahlgren, Einar W., Sycamore, Ill. Drawer handle or similar article. 118,110; Dec. 19.
Daniels, Charles E., Los Angeles, Calif. Tie rack. 118,111; Dec. 19.
Edson, Bert, Pawtucket, R. I. Lace. 118,112; Dec. 19.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Collapsible stand-supported bath. 118,113; Dec. 19.
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Combination flatiron and clothes dampener. 118,146; Dec. 19.
Forsheim Shoe Company, The. (See Pick, Oswald M., assignor.)
Fracchia, Pauline, New York, N. Y. Dress. 118,186; Dec. 19.
Fracchia, Pauline, New York, N. Y. Dress. 118,187; Dec. 19.
Frye, Sebastian, Janesville, Wis. Mat. 118,114; Dec. 19.
Galowitz, Morris, New York, N. Y. Dress. 118,211; Dec. 19.
Gates Rubber Company, The. (See Nassimbene, Ernest, assignor.)
Geffen, Bertha, New York, N. Y. Dress ensemble. 118,212; Dec. 19.
General Fireproofing Company, The. (See Powell, Dwight, assignor.)
Gibson Electric Refrigerator Corporation. (See Janes, Richard B., assignor.)
Grilli, Florence, New York, N. Y. Dress. 118,213; Dec. 19.
Hartmann, Milford W., Hutchinson, Kans. Air control pump. 118,115; Dec. 19.
Hastedt, John, et al., executors. (See Biva, Lucien, assignor.)
Heller, Henry R., assignor to Winter & Co., New York, N. Y. Piano. 118,116; Dec. 19.
Houle, Melvin C., Chicago, Ill. Merchandise display rack. 118,117; Dec. 19.

Housholder, Owen, et al. (See Trojan, José, assignor.)
Hussmann-Ligonier Company. (See Blazey, Lawrence, assignor.)
International Salt Co. (See MacLean, Malcolm F., assignor.)
Jackson, Charles G. (See Travis, J. M., and Jackson.)
Janes, Richard B., Detroit, assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerator cabinet. 118,118; Dec. 19.
Jones, Ernest M., et al. (See Jones, Lester C., assignor.)
Jones, Leo D., Philadelphia, Pa. Centrifugal separator. 118,147; Dec. 19.
Jones, Lester C., Corsicana, Tex., assignor of twenty-five per cent to E. M. Jones and twenty-five per cent to A. J. Bedford, Hobbs, N. Mex. Door plate. 118,119. Dec. 19.
Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Closure cap. 118,157; Dec. 19.
Junior Toy Corporation. (See Smith, Walter V., assignor.)
Kaplan, Michael B., New York, N. Y. Tucked textile fabric. 118,120; Dec. 19.
Katz, Adolph, assignor to Cohn and Rosenberger, Inc., New York, N. Y. Clip or similar article. 118,121; Dec. 19.
Katz, Adolph, assignor to Cohn and Rosenberger, Inc., New York, N. Y. Pendant. 118,122; Dec. 19.
Kaufman, Benjamin M., New York, N. Y. Textile fabric. 118,214; Dec. 19.
Kessler, Betty, New York, N. Y. Dress. 118,215; Dec. 19.
Keuls, Henry P. C., Pittstown, N. J. Combination ash-tray and coaster or similar article. 118,158; Dec. 19.
Kline, Lilyan, New York, N. Y. Dress ensemble. 118,188; Dec. 19.
Kluter, Marlowe H., Richmond, Ind. Lawn mower handle. 118,159; Dec. 19.
Kopanski, Roman, assignor to The Ward Products Corporation, Cleveland, Ohio. Combined telescopic radio antenna and mounting. 118,160; Dec. 19.
Krueger, Arthur W., Chicago, assignor to S. Zidek, Riverside, Ill. Combination desk lamp. 118,161; Dec. 19.
Lambert, Francis M., Narberth, Pa. Rolled metal bar. 118,162; Dec. 19.
Langford, Alfred, Hanford, assignor to The Coalport China Company, (John Rose & Co.) Limited, Stoke-on-Trent, England. Saucer or similar article. 118,123; Dec. 19.
LeLong, Lucien, Inc. (See Lelong, Lucien, assignor.)
Lelong, Lucien, Paris, France, assignor to Lucien LeLong, Inc., Chicago, Ill. Box or similar article. 118,163; Dec. 19.
Levy, Albert A., et al executors. (See Biva, Lucien, assignor.)
Loewy, Raymond, assignor to Parfums Schiaparelli, Inc., New York, N. Y. Combined display device and music box. 118,164; Dec. 19.
Lotz, August J., and G. W. Tammen, assignors to Binks Manufacturing Company, Chicago, Ill. Portable air compressor or the like. 118,165; Dec. 19.
MacLean, Malcolm F., Swampscott, Mass., assignor to International Salt Co., Inc., Scranton, Pa. Holder for a salt block. 118,124; Dec. 19.
Marks, John C., New York, N. Y. Shoe or similar article. 118,125; Dec. 19.
Minoff, Jack, Newark, N. J. Knitted fabric. 118,126; Dec. 19.
Minoff, Jack, Newark, N. J. Knitted fabric. 118,216; Dec. 19.
Multiplex Faucet Company. (See Travis, J. M., and Jackson, assignors.)
Murdock, James A., Chicago, Ill. Combination kitchen tool. 118,127; Dec. 19.
Nassimbene, Ernest, assignor to The Gates Rubber Company, Denver, Colo. Belt. 118,168; Dec. 19.
National Silver Company. (See Bernstein, Milton, assignor.)
Nudell, Arthur A., Chicago, Ill. Display stand for perfume or the like. 118,128; Dec. 19.
Odzer, Harry, New York, N. Y. Textile fabric. 118,166; Dec. 19.
Otter, Judson R., Piedmont, W. Va. Memo-apparatus for automobiles. 118,167; Dec. 19.
Parfums Schiaparelli, Inc. (See Loewy, Raymond, assignor.)
Pauzat, Charles E., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 118,129; Dec. 19.
Pauzat, Charles E., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 118,130; Dec. 19.
Pick, Oswald M., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe or similar article. 118,131; Dec. 19.
Pick, Oswald M., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe or similar article. 118,131; Dec. 19.
Pick, Oswald M., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe or similar article. 118,133; Dec. 19.
Pick, Oswald M., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe or similar article. 118,134; Dec. 19.
Pick, Oswald M., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe or similar article. 118,135; Dec. 19.
Pick, Oswald M., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe or similar article. 118,136; Dec. 19.
Pick, Oswald M., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe or similar article. 118,137; Dec. 19.
Powdrell & Alexander, Inc. (See Carragher, H. J., and Wilson, assignors.)
Powell, Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 118,138; Dec. 19.
Prince, Betty E., Loris, S. C. Inflatable water swing. 118,169; Dec. 19.
Puritan Compressed Gas Corporation. (See Willhelmy, Glenn E., assignor.)
Reinecke, Jean O., assignor to Cole Hot Blast Mfg. Co., Chicago, Ill. Space heater. 118,170; Dec. 19.
Reiner, Imre, Lugano, Switzerland. Printing type font. 118,171; Dec. 19.
Romano, Joseph, West New York, N. J. Combined tie rack and toilet article container. 118,172; Dec. 19.
Roschen, Wm. E., et al., executors. (See Biva, Lucien, assignor.)
Rosenak, Theodore, Fox Point, assignor to Jos. Schlitz Brewing Company, Milwaukee, Wis. Display stand. 118,139; Dec. 19.
Rosener, Jane, New York, N. Y. Dress. 118,173; Dec. 19.
Schlitz, Jos., Brewing Company. (See Rosenak, Theodore, assignor.)
Seward, Emory A., Chicago, Ill. Wall switch plate. 118,174; Dec. 19.
Seward, Emory A., Chicago, Ill. Wall switch plate. 118,175; Dec. 19.
Seward, Emory A., Chicago, Ill. Wall switch plate. 118,176; Dec. 19.
Seward, Emory A., Chicago, Ill. Wall switch plate. 118,177; Dec. 19.
Seward, Emory A., Chicago, Ill. Wall switch plate. 118,178; Dec. 19.
Seward, Emory A., Chicago, Ill. Wall switch plate 118,179; Dec. 19.
Shapiro, Solomon H., New York, N. Y. Combined advertising sign and clock. 118,145; Dec. 19.
Sheer, Ben, New York, N. Y. Dress. 118,217; Dec. 19.
Skolnick, William, New York, N. Y. Dress. 118,189; Dec. 19.
Smith, Walter V., assignor to Junior Toy Corporation, Hammond, Ind. Sled. 118,180; Dec. 19.
Spanel, Abraham N., Dover, Del. Apron. 118,218; Dec. 19.
Spanel, Abraham N., Dover, Del. Cape. 118,219; Dec. 19.
Spanel, Abraham N., Dover, Del. Mitt. 118,220; Dec. 19.
Spatz, Benjamin B., New York, N. Y. Textile fabric or similar article. 118,190; Dec. 19.
Stevens, Clifford B., Milwaukee, Wis. Automobile truck. 118,221; Dec. 19.
Storkline Furniture Corporation. (See Feldman, Abraham G., assignor.)
Tabin, Adrian, Chicago, Ill. Textile fabric. 118,150; Dec. 19.
Tammen, Glenn W. (See Lotz, A. J., and Tammen.)
Timme, E. F., & Sons. (See Biva, Lucien.)
Timme, Otto, Estate of. (See Biva, Lucien.)
Travis, John M., and C. G. Jackson, assignors to Multiplex Faucet Company, St. Louis, Mo. Beverage dispenser. 118,181; Dec. 19.
Trojan, José, assignor to O. Housholder and D. C. Cohen, copartners, doing business as Crystal Manufacturing Co., Chicago, Ill. Merchandise display rack. 118,140; Dec. 19.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover or similar article. 118,191; Dec. 19.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover or similar article. 118,192; Dec. 19.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover or similar article. 118,193; Dec. 19.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover or similar article. 118,194; Dec. 19.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover or similar article. 118,195; Dec. 19.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover or similar article. 118,196; Dec. 19.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover or similar article. 118,197; Dec. 19.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover or similar article. 118,198; Dec. 19.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover or similar article. 118,199; Dec. 19.
Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)

Uhlein, George V., Worcester, Mass. Rug or similar article. 118,182; Dec. 19.
Union Special Machine Company. (See Christensen, Norman V., assignor.)
Victor Metal Products Corporation. (See Jung, Albert H., assignor.)
Ward Products Corporation, The. (See Kopanski, Roman, assignor.)
Warren Telechrón Company. (See Williams, Findley, assignor.)
Weyand, Joseph R., St. Louis, Mo. Shoe. 118,141; Dec. 19.
Wilde, Hans W., Cliffside Park, N. J. Textile fabric. 118,183; Dec. 19.
Willhelmy, Glenn E., assignor to Puritan Compressed Gas Corporation, Kansas City, Mo. Nasal inhaler. 118,142; Dec. 19.
Williams, Findley, Park Ridge, Ill., assignor to Warren Telechron Company, Ashland, Mass. Clock case. 118,143; Dec. 19.
Wilson, Thurston B. (See Carragher, H. J., and Wilson.)
Winter & Co. (See Heller, Henry R., assignor.)
Zahn, Samuel, New York, N. Y. Dress. 118,222; Dec. 19.
Zalinieni, Michael A., Ashtabula, Ohio. Trailer. 118,184; Dec. 19.
Zidek, Stephen. (See Krueger, Arthur W., assignor.)
Zuckerman, Harry, New York, N. Y. Coat. 118,144; Dec. 19.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abegg, Walter A., assignor of one-half to B. Reinhold, Los Angeles, Calif. Rotary table bushing and handling same. 2,183,526; Dec. 19.
Abercrombie Pump Company. (See Allen, Herbert, assignor.)
Achtermann, Otto, Partenkirchen, and F. Schiller, Goppingen, assignors to L. Schuler A. G., Goppingen, Wurttemberg, Germany. Receiving bodies of tins and feeding them to soldering or folding mandrels. 2,184,089; Dec. 19.
Ackerman, David V., Seattle, Wash. Adjustable slip cam. 2,183,950; Dec. 19.
Acme Rayon Corporation. (See Huttinger, Charles A., assignor.)
Adler, Solomon, et al. (See Adler, Solomon, assignor.)
Adler, Solomon, Kew Gardens, N. Y., assignor to S. Adler, B. B. Rose, and W. N. and A. W. Clurman. Receptacle tap. 2,184,263; Dec. 19.
Aetna Standard Engineering Company, The. (See Matteson, E. A., and Finkbone, assignors.)
Agfa Ansco Corporation. (See Busse, Ferdinand, assignor.)
Agfa Ansco Corporation. (See Goldhammer, Leo, assignor.)
Aiello, Richard V., Wampum, Pa. Combined shade and curtain fixture. 2,184,134; Dec. 19.
Air Preheater Corporation, The. (See Karlsson, H., and Yerrick, assignors.)
Air Reduction Company. (See Deming, George M., assignor.)
Akeyson, Swan M., Long Beach, Calif. Reamer. 2,184,108; Dec. 19.
Akron Standard Mold Company. (See Bostwick, Henry C., assignor.)
Alarie, Frank C., Miami, Fla. Internal combustion engine. 2,183,527; Dec. 19.
Aldham, Thomas E. (See Wilkinson, J. W., Morgan, and Aldham.)
Alexander, Spangler L., Shirleysburg, Pa. Pitch determining device. 2,183,902; Dec. 19.
Alkan, Robert, Paris, France. Sighting apparatus with automatic correction. 2,183,530; Dec. 19.
Allen, Herbert, assignor to Abercrombie Pump Company, Houston, Tex. Slip. 2,184,221; Dec. 19.
Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,184,032; Dec. 19.
Allen, S. L., & Co. (See Bowen, J. M., and Birkhead, assignors.)
Allison, Donald K., Beverly Hills, assignor to National Technical Laboratories, Pasadena, Calif. pH meter. 2,183,531; Dec. 19.
American Brass Company, The. (See Silliman, Horace F., assignor.)
American Can Company. (See Peters, John F., assignor.)
American Can Company. (See Taylor, Russell C., assignor.)
American Chain & Cable Company. (See Reyburn, John R., assignor.)
American Cyanamid & Chemical Corporation. (See Rape, Floyd J., assignor.)
American Cyanamid Company. (See Klipstein, Kenneth H., assignor.)
American Ecla Corporation. (See Schwartz, Fernand F., assignor.)
American Forging & Socket Company, The. (See Johnson, Alvin L., assignor.)
American Forging & Socket Company, The. (See Saunders, Walter S., assignor.)
American Locomotive Company. (See Barton, P. D., Finsterbusch, and Floyd, assignors.)
American Machine & Foundry Company. (See Naftali, Rudolf V. and H., assignors.)
American Paper Bottle Company, The. (See Wollenweber, Julius E., assignor.)
American Radiator & Standard Sanitary Corporation. (See Daly, R. E., and Goerg, assignors.)
American Rolling Mill Company, The. (See Clark, Carleton C., assignor.)
American Rolling Mill Company, The. (See Murphy, Dan R., assignor.)
American Safety Razor Corporation. (See Dalkowitz, Godfrey, assignor.)
American Sales Book Company. (See Sheppard, F. J., Manuel, and Pringle, assignors.)
American Smelting and Refining Company. (See Betterton, J. O., and Perkins, assignors.)
American Steel Foundries. (See Baselt, Walter H., assignor.)

American Thread Company, The. (See Baker, Dickerson G., assignor.)
American Viscose Corporation. (See Koster, Frederick W., assignor.)
Ames, Charles H., Whittier, Calif. Orchard heating apparatus. 2,184,109; Dec. 19.
Andale Company. (See McNeal, Daniel R., assignor.)
Anderson, Nels A., Stockton, assignor to Fibreboard Products Inc., San Francisco, Calif. Carton assembling machine. 2,183,951; Dec. 19.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning system. 2,184,110; Dec. 19.
Anderson, Waldemar E., Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fuse lead construction for electric lamps. 2,183,952; Dec. 19.
Andrews, Forrest, et al. (See Rainey, Clifton K., assignor.)
Androsiglio, Lucio, Hoboken, N. J. Fire escape device. 2,183,953; Dec. 19.
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,184,069; Dec. 19.
Anthony Company. (See Howard, R. R., and Anthony, assignors.)
Anthony, William C. (See Howard, R. R., and Anthony.)
Ardron, Gerald L., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Machine for hand seaming in vacuum. 2,183,903; Dec. 19.
Argant, Henri, Paris, and H. Chanay and G. Robatel, assignors to Société Anonyme "Ateliers Robatel & Buffaud", Lyon, and Société Anonyme "Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann", Paris, France. Centrifuge for chemical reactions. 2,184,033; Dec. 19.
Arnold, Charles H., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,183,829; Dec. 19.
Arnold, Luther B., Jr. (See Lubs, H. A., and Arnold.)
Ashcraft, Clarence S., Bayside, Long Island, N. Y. Method and apparatus for the projection of motion pictures. 2,183,733; Dec. 19.
Ashcraft, Clarence S., Bayside, Long Island, N. Y. Method and apparatus for supplying alternating current to electric arcs. 2,183,734; Dec. 19.
Aspelin, Leslie L. (See Phillips, E. C., Aspelin, and Grey.)
Aspinwall, Robert B., and T. B. Tyler, assignors to The Monopower Corporation, Detroit, Mich. Torque conveying and converting apparatus. 2,183,761; Dec. 19.
Associated Electric Laboratories, Inc. (See Kahn, Frederick L., assignor.)
Associated Electric Laboratories, Inc. (See Nelson, M. L., and Johnston, assignors.)
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Associated Electric Laboratories, Inc. (See Ostline, John E., assignor.)
Associated Electric Laboratories, Inc. (See Woodruff, A. E., and Horlacher, assignors.)
Atwood Vacuum Machine Company. (See Dayton, Max E., assignor.)
Aulicino, Anthony P., Brooklyn, N. Y. Nonskidding brake. 2,183,954; Dec. 19.
Aumüller, Walter. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller.)
Austin, Bancum O., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,183,762; Dec. 19.
Automatic Control Company. (See Pike, Theodore F., assignor.)
Automatic Flax Production Units, The. (See Soenens, Maurice A., assignor.)
Automatic Signal Corporation. (See Wilcox, Harry A., assignor.)
Automotive Products Company Limited. (See Parker, Sydney M., assignor.)
Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)
Bailey Meter Company. (See Barnes, Frederick A., assignor.)
Bakelite Corporation. (See Turkington, Victor H., assignor.)
Baker, Dickerson G., Holyoke, Mass., assignor to The American Thread Company, Jersey City, N. J. Thread winding machine. 2,183,735; Dec. 19.
Baker, John F., et al. (See Rainey, Clifton K., assignor.)

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Sizing device. 2,184,090; Dec. 19.
Bard-Parker Company. (See Parker, M., and Ladd, assignors.)
Bard-Parker Company. (See Wilson, J. A., and Hobson, assignors.)
Bargen, William J., Waukegan, Ill. Combined coupling and supporting structure. 2,184,173; Dec. 19.
Barker, Virgil D., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for making articles. 2,183,635; Dec. 19.
Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Pressure gauge. 2,184,163; Dec. 19.
Barnes, William E. (See Crisp, W. C., and Barnes.)
Barney, Albert, et al. (See Coty, Fred J., assignor.)
Barton, Paul D., Philadelphia, Pa., K. Finsterbusch, Scarsdale, and N. M. Floyd, Larchmont, assignors, by mesne assignments, to American Locomotive Company, New York, N. Y. Stabilizing volatile liquids. 2,183,604; Dec. 19.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,183,850; Dec. 19.
Bass, Russell B., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Lighter. 2,183,706; Dec. 19.
Batten, Percy H., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch mechanism. 2,184,135; Dec. 19.
Bauer, Hans F., assignor to Stein, Hall Manufacturing Company, Chicago, Ill. Pregummed hanging paper. 2,183,532; Dec. 19.
Bauer, Hans F., assignor to Stein Hall Manufacturing Company, Chicago, Ill. Compositions prepared from amylaceous substances. 2,183,736; Dec. 19.
Baumzweiger, Benjamin, Chicago, Ill., assignor to S. N. Shure and F. Shure, trustee, doing business as Shure Brothers, a partnership. Microphone apparatus. 2,184,247; Dec. 19.
Beacon Safety Signal Co. (See Roan, C. M., Kaupang, and Rohlen, assignors.)
Bean, Leslie H., Des Moines, Iowa. Automatic ventilator. 2,183,955; Dec. 19.
Beech-Nut Packing Company. (See Wooten, Carrol R., assignor.)
Bell, Forrest F., and E. E. Green, assignors to Curtis Companies Incorporated, Clinton, Iowa. Door frame construction. 2,183,879; Dec. 19.
Bell, Alfred B., Gardner, Mass. Printer's type cabinet. 2,184,111; Dec. 19.
Bell Telephone Laboratories, Incorporated. (See Cummings, G. C., and Hearn, assignors.)
Bell Telephone Laboratories, Incorporated. (See Field, Joseph C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Morton, Edmund R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pruden, Harold M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Schreiner, Louis R., assignor.)
Bell, Thomas W., and T. C. Rogers, Parkersburg, W. Va. Wire line clamp. 2,183,904; Dec. 19.
Belyavin, Paul, assignor, by mesne assignments, to Flexofiltration Limited, London, England. Filter for purifying liquids or gases. 2,184,243; Dec. 19.
Bemis & Call Company. (See Eden, J. A., and Chase, assignors.)
Bendix Aviation Corporation. (See Heintz, Ralph M., assignor.)
Benedict, Anthony C., Rockville Centre, N. Y. Ventilating means for beds and the like. 2,183,533; Dec. 19.
Bennett, Arthur, Chicago, Ill. Tape dispenser. 2,184,091; Dec. 19.
Bennett, William W., Alhambra, Calif. Method and material for treating fruit. 2,183,981; Dec. 19.
Benninghoff, William L., Shaker Heights, Ohio. Apparatus for cutting threads. 2,184,136; Dec. 19.
Bernier, Adler H., Detroit, Mich. Vehicle. 2,183,534; Dec. 19.
Berry, Russell G., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor mechanism. 2,183,636; Dec. 19.
Bertram, Hendrik C., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray apparatus. 2,184,174; Dec. 19.
Bertsch, Johann A., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing cyclohexyl amines. 2,184,070; Dec. 19.
Best, Cyril, assignor to Molins Machine Company Limited, Deptford, London, England. Conveyance of cigarettes. 2,183,664; Dec. 19.
Betterton, Jesse O., Metuchen, and M. F. Perkins, Elizabeth, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Recovering zinc. 2,183,535; Dec. 19.
Betts, Laurence M., Seattle, Wash., assignor to Wagner Electric Corporation, St. Louis, Mo. Brake control mechanism. 2,183,803; Dec. 19.
Biginelli, Oreste, Clermont-Ferrand, France. Production of tubular metal cases such as cartridge cases. 2,183,637; Dec. 19.
Bilde, Tord E. D., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner filter. 2,183,737; Dec. 19.
Binder, John M., New Hyde Park, assignor to Consolidated Cork Corp., New York, N. Y. Cork rod packing machine. 2,183,928; Dec. 19.
Birkhead, Frank G. (See Bowen, J. M., and Birkhead.)
Bishop & Babcock Manufacturing Company, The. (See Mayo, Edward L., assignor.)
Blackburn, John F., Hollywood, Calif. Loudspeaker. 2,183,528; Dec. 19.
Black-Clawson Company, The. (See Howard, Charles W., assignor.)
Blackhawk Mfg. Co. (See Mandl, Sigmund, assignor.)
Blake, George C., Syracuse, N. Y., and P. C. Smith, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Buffing machine. 2,184,175; Dec. 19.
Blake, Kenneth R., assignor of sixty per cent to E. W. Parrish, and forty per cent to F. D. Healy, Detroit, Mich. Electric pencil sharpener. 2,184,176; Dec. 19.
Blanchard, Loring W., Jr., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of mixed esters of cellulose containing dicarboxylic acid groups. 2,183,982; Dec. 19.
Blaw-Knox Company. (See Venable, William M., assignor.)
Blomqvist, Gustav M., and S. F. Torstensson, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,184,112; Dec. 19.
Bloomfield, Samuel, Chicago, Ill. Fruit press. 2,183,804; Dec. 19.
Bloomfield, Samuel, Chicago, Ill. Counter rack. 2,183,805; Dec. 19.
Blue, Thomas D., Charlottesville, Va. Peepers. 2,183,665; Dec. 19.
Bockmühl, Max, G. Ehrhart, H. Ruschig, and W. Aumüller, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing compounds of the cyclopentanoperhydrophenanthrene series. 2,183,851; Dec. 19.
Bonotto, Michele, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del. Method and mechanism for continuously forming liquid-impervious plugs in extraction units. 2,184,248; Dec. 19
Borges, John A., Newman, Calif. Tray unit for beauty parlor chairs. 2,183,536; Dec. 19.
Bostwick, Henry C., assignor to Akron Standard Mold Company, Akron, Ohio. Press. 2,183,983; Dec. 19.
Bostwick, Myron A., Budd Lake, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot wire relaying. 2,183,537; Dec. 19.
Bowen, James M., Cape May Court House, N. J., and F. G. Birkhead, assignors to S. L. Allen & Co., Inc., Philadelphia, Pa. Sled. 2,183,638; Dec. 19.
Bowles, Albert F., Jersey City, and S. Kaplan, Teaneck, assignors to The Richards Chemical Works, Incorporated, Jersey City, N. J. Sulphonation product. 2,183,929; Dec. 19.
Bowles, Edward L., Wellesley Farms, assignor to Stockton Profile Gauge Corporation, Lowell, Mass. Area measuring apparatus and method. 2,184,156; Dec. 19.
Boyd, James H., Jr., Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvent extraction. 2,183,852; Dec. 19.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Spray oil. 2,183,781; Dec. 19.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Desulphurizing oil. 2,183,782; Dec. 19.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil. 2,183,783; Dec. 19.
Bray, William N., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lasting machine. 2,183,666; Dec. 19.
Brekke, Marshall T., Scarsdale, assignor to Northam Warren Corporation, New York, N. Y. Emery board and assembled unit of the same. 2,183,930; Dec. 19.
Brenzinger, Julius, Fairfield, Conn. Making can bodies. 2,183,738; Dec. 19.
Bretz, John S., Detroit, Mich. Highway and stock gate for railroads. 2,184,207; Dec. 19.
Brewer, Arthur S., assignor to National Fireproofing Corporation, Pittsburgh, Pa. Composite building member. 2,184,137; Dec. 19.
Bridgeport Brass Company. (See Cotter, William W., Sr., assignor.)
Bristol Company, The. (See Koester, Herman, assignor.)
Brooks, James P., Concrete, Wash. Rotary hammer. 2,183,880; Dec. 19.
Broward, Pulaski, Sr., South Jacksonville, Fla. Lawn trimming tool. 2,184,034; Dec. 19.
Brown Bag Filling Machine Company, The. (See Chandler, Austin S., assignor.)
Brown, Davis, Los Angeles, Calif. Slip deaerator. 2,183,763; Dec. 19.
Brown Equipment Company. (See Brown, J. L., and Horton, assignors.)

Brown, Joseph L., and B. S. Horton, assignors to Brown Equipment Company, Charlotte, N. C. Light. 2,184,208; Dec. 19.
Bruner, Walter M. (See Racen, F., and Bruner.)
Buccicone, Dario, and B. W. Frazier, Gary, Ind. Apparatus for gauging sheet material. 2,184,036; Dec. 19.
Buccicone, Dario, Gary, Ind. Strip width measuring device. 2,184,035; Dec. 19.
Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Dual ratio drive axle. 2,183,667; Dec. 19.
Bucknam, James H., and A. J. Miller, Cranford, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Cutting and welding machine. 2,183,605; Dec. 19.
Buess, Hans. (See Dobler, F., and Buess.)
Buick, John A., Detroit, Mich. Flashing structure. 2,184,092; Dec. 19.
Burdick, John N., and E. E. Sommer, Buffalo, N. Y., assignors to Carbide and Carbon Chemicals Corporation. Eduction device. 2,183,639; Dec. 19.
Burger, Joseph, New York, N. Y. Adjustable height increasing shoe. 2,184,209; Dec. 19.
Burger, Joseph, New York, N. Y. Insertable adjustable height increasing elevator for shoes. 2,184,210; Dec. 19.
Burgin, James. (See Groll, H. P. A., and Burgin.)
Burkhardt, Otto M., Euclid, Ohio. Automatic adjustment means. 2,183,668; Dec. 19.
Burrell, Benjamin S., East Chicago, Ind. Strainer apparatus. 2,184,177; Dec. 19.
Burroughs, Samuel G., Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation. Decolorization of still residue. 2,183,830; Dec. 19.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Aesistance-coupled amplifier. 2,183,707; Dec. 19.
Busse, Ferdinand, Munich, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic enlarging apparatus. 2,183,764; Dec. 19.
Butler, Frank D., U. S. Navy. Expansive fluid-actuated, pilot-controlled valve mechanism for motors of reciprocating pumps. 2,183,538; Dec. 19.
Butler, Frank D., U. S. Navy. Valve mechanism for motors of pumps. 2,183,539; Dec. 19.
Butler, Henry R., Verona, N. J., assignor to Wired Radio, Inc., New York, N. Y. Wired radio change-over system. 2,183,931; Dec. 19.
Byron Jackson Co. (See Patin, Thaddeus, assignor.)
Calafati, Annunziata, et al. (See Calafati, Salvator S., assignor.)
Calafati, Salvator S., assignor of four-fifths to A. Calafati and one-fifth to J. M. Cole, New York, N. Y. Building construction. 2,184,113; Dec. 19.
Campbell, Dwayne H., and H. H. England, U. S. Navy. Target towing device. 2,183,540; Dec. 19.
Campbell, Frank O., and G. W. Nigh, Bayonne, N. J. Heat exchange apparatus. 2,183,956; Dec. 19.
Campbell, Hugh S., assignor to The Republic Rubber Company, Youngstown, Ohio. Process and apparatus for a formed mat. 2,183,984; Dec. 19.
Canal National Bank of Portland, The, trustee. (See Randall, W. H., and Harper, assignors.)
Carbide and Carbon Chemicals Corporation. (See Burdick, J. N., and Sommer, assignors.)
Carbide and Carbon Chemicals Corporation. (See Downes, Alfred W., assignor.)
Carey, Philip, Manufacturing Company, The. (See Malcom, Vincent V., assignor.)
Carlsen, Carl E., New York, N. Y. Pipe cutter with a removable handle. 2,184,114; Dec. 19.
Carlson, Bert G., Freeport, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic trim control for aircraft. 2,183,932; Dec. 19.
Carter Carburetor Corporation. (See Berry, Russell G., assignor.)
Carter Carburetor Corporation. (See Korte, Alfred C., assignor.)
Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Directional antenna. 2,183,784; Dec. 19.
Casburn, Ernest V. (See Smith, K. S., and Casburn.)
Cass, Oliver W. (See Levine, A. A., and Cass.)
Cayo, Martha B., Germantown, assignor to Durite Plastics, Incorporated, Philadelphia, Pa. Desensitizing juices derived from plants of the cashew family. 2,183,957; Dec. 19.
Cayo, Martha B., Germantown, assignor to Durite Plastics, Incorporated, Philadelphia, Pa. Desensitizing juices derived from plants of the cashew family. 2,183,958; Dec. 19.
Celanese Corporation of America. (See Lord, G., and Reeves, assignors.)
Celon Company, The. (See Owens, Howard V., assignor.)
Cement Gun Company. (See Collier, Bryan C., assignor.)
Centervall, Hugo A., Brooklyn, assignor to Manly Corporation, New York, N. Y. Fluid pressure power system. 2,183,541; Dec. 19.
Chace, Warren O., Medford, Mass. Agitating and mixing mechanism. 2,183,859; Dec. 19.
Chaffee, Raymond O., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud. 2,184,250; Dec. 19.
Chamberlain Corporation. (See Etten, Nicholas L., assignor.)
Champion Spark Plug Company. (See Rohde, Otto C., assignor.)
Chanay, Henry. (See Argant, H., Chanay, and Robatel.)
Chandler, Austin S., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Carrier and gripper for bag filling machines. 2,184,178; Dec. 19.
Chantiy, Allan J., U. S. Navy. Hoisting apparatus. 2,183,542; Dec. 19.
Charms Company. (See Krout, Ray W., assignor.)
Chase Brass & Copper Co. Incorporated. (See Bass, Russell B., assignor.)
Chase, Porter. (See Eden, J. A., and Chase.)
Chef Master Corporation, The. (See Hutchens, H. G., and Crosier, assignors.)
Chemical Products Company of New Jersey, Inc. (See Elderkin, J. K., and Hofman, assignors.)
Cherry, Carl W., Carmel, Calif. Rivet and applying the same. 2,183,543; Dec. 19.
Chicago Forging & Manufacturing Company. (See Peterson, Arthur E., assignor.)
Christian, Jack, Sanford, Fla. Freewheeling device. 2,184,071; Dec. 19.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Chamfering machine. 2,184,232; Dec. 19.
Chucto, Theodore, Rockaway Park, N. Y. Hacksaw. 2,183,669; Dec. 19.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener member and fastener installation. 2,184,249; Dec. 19.
Cinecolor, Incorporated. (See Trimble, Lyne S., assignor.)
Clark, Carleton C., assignor to The American Rolling Mill Company, Middletown, Ohio. Annealing cover. 2,183,785; Dec. 19.
Clark, Frederick J., assignor to Eastman Machine Company, Buffalo, N. Y. Knife-sharpening mechanism for cutting machines. 2,183,786; Dec. 19.
Clark, Frederick J., assignor to Eastman Machine Company, Buffalo, N. Y. Knife-sharpening mechanism for cutting machines. 2,183,787; Dec. 19.
Clark, Frederick J., Buffalo, and C. F. Hilgeman, Williamsville, assignors to Eastman Machine Company, Buffalo, N. Y. Knife-sharpening mechanism for cutting machines. 2,183,788; Dec. 19.
Clark, Jesse H., assignor to Wells-Gardner & Company, Chicago, Ill. Mounting for radio condensers. 2,183,985; Dec. 19.
Clayton & Lambert Manufacturing Company. (See Lambert, Charles F., assignor.)
Clemson Bros., Inc. (See Clemson, Richard D., assignor.)
Clemson, Richard D., assignor to Clemson Bros., Inc., Middletown, N. Y. Shearing device. 2,183,544; Dec. 19.
Clemson, Richard D., assignor to Clemson Bros., Inc., Middletown, N. Y. Mower. 2,183,545; Dec. 19.
Clough, Newsome H. (See Green, E., and Clough.)
Clurman, Albert W., et al. (See Adler, Solomon, assignor.)
Clurman, Will N., et al. (See Adler, Solomon, assignor.)
Coffee Products Corporation. (See Kappenberg, William, assignor.)
Cohen, Simon D., et al. (See Seaman, David J., assignor.)
Coke, Hugh W., Juneau. Apparatus for flotation concentration of ores. 2,184,115; Dec. 19.
Cole, John M., et al. (See Calafati, Salvator S., assignor.)
Coleman, John H., Asheville, N. C. Spherical triangle measuring instrument. 2,183,765; Dec. 19.
Colgrove, Robert D., assignor to John T. Lane, Los Angeles, Calif. Coupling. 2,183,546; Dec. 19.
Collier, Bryan C., Allentown, Pa., assignor to Cement Gun Company. Apparatus for placing cementitious material. 2,183,547; Dec. 19.
Collins, Joseph L. (See Robinson, P., and Collins.)
Colorado Fuel and Iron Corporation. (See Rupp, G. H., and Frantz, assignors.)
Colt, Samuel S., West Orange, N. J. Form tie extracting means. 2,183,806; Dec. 19.
Coltof, Willem, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of alkene sulphides. 2,183,860; Dec. 19.
Comstock & Wescott, Inc. (See Weaver, Eastman A., assignor.)
Consolidated Cork Corp. (See Binder, John M., assignor.)
Continental Can Company. (See Ardron, Gerald L., assignor.)
Continental Can Company. (See Fenn, J. F., and Henchert, assignors.)
Continental Can Company. (See Wicklund, Sanford, assignor.)
Continental Steel Corporation. (See Theiss, Harry W., assignor.)
Corey, Elmer O., Norwood, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio. Force feed lubricator. 2,183,986; Dec. 19.

Corey, George H., assignor of one-half to E. C. Gillette, New York, N. Y. Method and apparatus for producing optical effects. 2,184,138; Dec. 19.
Cornwell, Leroy, Spokane, Wash. Door closer. 2,183,640; Dec. 19.
Cotter, William W., Sr., Stratford, assignor to Bridgeport Brass Company, Bridgeport, Conn. Machining interior surfaces of tubes. 2,183,861; Dec. 19.
Coty, Fred P., administrator. (See Coty, Fred J.)
Coty, Fred J., assignor of one-third to A. Barney and one-third to O. D. Horton, Niagara Falls, N. Y.; F. P. Coty, administrator of said F. J. Coty, deceased. Apparatus for making paper bags. 2,184,233; Dec. 19.
Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,183,739; Dec. 19.
Cramer, Jesse F. (See Cramer, Roy A. and J. F.)
Cramer, Roy A. and J. F., Kansas City, Mo. Seat cover. 2,184,037; Dec. 19.
Crane, Carlton L. (See Blanchard, L. W., Jr., and Crane.)
Creech, Taylor W. (See McDuffee, C. A., and Creech.)
Criley, William W., Cleveland, Ohio. Bulldozer. 2,183,670; Dec. 19.
Crisp, Wilbur C., and W. E. Barnes, Little Falls, N. Y. Timing device. 2,183,548; Dec. 19.
Crompton & Knowles Loom Works. (See Olch, Jacob B., assignor.)
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crosby Steam Gage & Valve Company. (See Klafstad, E., and Gundersen, assignors.)
Crosier, James H. (See Hutchens, H. G., and Crosier.)
Gross, Edward H., Kenmare, N. Dak. Olive utensil. 2,184,216; Dec. 19.
Croy, John L., Duncan, Okla. Cultivator attachment. 2,184,211; Dec. 19.
Cummings, George C., Orange, N. J., and R. B. Hearn, Hollis, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,183,708; Dec. 19.
Cunnington, George R., assignor to Woodall Industries Incorporated, Detroit, Mich. Laminated thermoplastic insulation material. 2,184,139; Dec. 19.
Cunnington, George R., assignor to Woodall Industries Incorporated, Detroit, Mich. Laminated thermoplastic insulation material. 2,184,140; Dec. 19.
Cuozzo, Michele, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Flexible shoe. 2,183,671; Dec. 19.
Curtis, Charles G., New York, N. Y. Double-acting two-cycle Diesel engine. 2,184,093; Dec. 19.
Curtis Companies Incorporated. (See Bell, F. F., and Green, assignors.)
Daimler, Karl. (See Sponsel, K., and Daimler.)
Dalkowitz, Godfrey, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Electric motor. 2,183,549; Dec. 19.
Daly, Robert E., Bronxville, and B. Goerg, Scarsdale, assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Heating and air conditioning apparatus. 2,184,095; Dec. 19.
Daly, Robert E., New York, and B. Goerg, Bronxville, assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Humidifying apparatus. 2,184,094; Dec. 19.
Daven Company, The. (See Smith, John P., Jr., assignor.)
Davidson, Khoren K., Elgin, Ill. Sanitary tooth brush holder and dentifrice dispenser. 2,184,212; Dec. 19.
Davis, Robert E., Jr., assignor to W. B. Davis & Son, Inc., Fort Payne, Ala. Knitted wear. 2,183,862; Dec. 19.
Davis, W. B., & Son, Inc. (See Davis, Robert E., Jr., assignor.)
Day, Leonard, New York, N. Y. High speed differentially functioning article sorting. 2,183,606; Dec. 19.
Dayton, Gordon V., et al. (See Neal, Joseph W., assignor.)
Dayton, Max E., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Swivel caster. 2,184,038; Dec. 19.
Dayton, Theodore S., et al. (See Neal, Joseph W., assignor.)
Deckel, Friedrich. (See Zizelsberger, Hans, assignor.)
De Frees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Valve operating mechanism for tank vehicles. 2,183,987; Dec. 19.
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Double-acting check valve. 2,183,709; Dec. 19.
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Temperature compensation for gas meters. 2,183,710; Dec. 19.
De Rusha, William W., St. Paul, and L. L. Gish, Minneapolis, Minn. Shoe heel nailer. 2,183,789; Dec. 19.
Derwing, Charles J., Albany, N. Y. Ice creeper. 2,183,988; Dec. 19.
Desautels, Armand J., and L. L. Levesque, Nashua, N. H. Air treating device. 2,183,766; Dec. 19.
Detroit Lubricator Company. (See Landon, Walter S., assignor.)
Deutschmann, Arnold, Boston, assignor to Tobe Deutschmann Corporation, Canton, Mass. Electrical condenser. 2,183,550; Dec. 19.
Deutschmann, Tobe, Corporation. (See Deutschmann, Arnold, assignor.)
Devereaux, William C., Detroit, Mich. Latch mechanism. 2,183,672; Dec. 19.
De Witt, Francis, assignor to Pervel Corporation, New York, N. Y. Treating paper. 2,183,711; Dec. 19.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Conditioning of yarns to adapt them for textile operations. 2,184,008; Dec. 19.
Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn treating process and composition therefor. 2,184,009; Dec. 19.
Dickson, Eleanor A. (See Dickson, Harry B., assignor.)
Dickson, Harry B., assignor of one-half to E. A. Dickson, New York, N. Y. Combination receptacle. 2,183,807; Dec. 19.
Dillehay, Edward R., Glen Ellyn, and G. M. McFedries, Oak Park, Ill., assignors to The Richardson Company. Opaque materials for X-ray and radium work or the like. 2,183,790; Dec. 19.
Dobler, Fritz, and H. Buess, assignors to the firm J. R. Geigy S. A., Basel, Switzerland. Copper compounds of primary resorcinol trisazo-dyestuffs and their manufacture. 2,183,673; Dec. 19.
Dodge, Archie J., Lockport, N. Y. Fuel economizer for gas engines. 2,184,141; Dec. 19.
Dold, Alfred L., Drexel Hill, Pa. Hose clamp. 2,183,551; Dec. 19.
Doum, Elgin C., assignor to National-Standard Company, Niles, Mich. Rubber coated article. 2,184,179; Dec. 19.
Donahoo, David H., Kannapolis, assignor to The Terrell Machine Company, Charlotte, N. C. Bobbin stripping mechanism. 2,183,863; Dec. 19.
Double, Plummer E., Detroit, Mich. Attaching clinch nuts. 2,183,641; Dec. 19.
Dow Chemical Company, The. (See Dreisbach, R. R., and Heusted, assignors.)
Dow Chemical Company, The. (See Wiley, Ralph M., assignor.)
Dowel, H. B., et al. (See Philippe, George A., assignor.)
Downes, Alfred W., South Charleston, W. Va., assignor to Carbide and Carbon Chemical Corporation. Polymerization of vinyl esters. 2,183,642; Dec. 19.
Dreisbach, Robert R., and G. B. Heusted, assignors to The Dow Chemical Company, Midland, Mich. Alkylated poly-isopropyl halo-benzenes. 2,183,552; Dec. 19.
Dreyfus, Henry, London, England. Manufacture of cellulose. 2,183,643; Dec. 19.
Drotning, Henry O., assignor to Eastman Kodak Company, Rochester, N. Y. Air vent for folding cameras. 2,183,989; Dec. 19.
Dull, Marshall L., Catonsville, assignor to Dull Radio Laboratories, Inc., Baltimore, Md. Phase modulation transmitter. 2,183,905; Dec. 19.
Dull Radio Laboratories, Inc. (See Dull, Marshall L., assignor.)
Dunlap, Charles W., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill. Wall anchor. 2,183,712; Dec. 19.
Dunn, Fred P., Glendale, assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Coupling apparatus. 2,183,990; Dec. 19.
Dunn, William H. R., Los Angeles, Calif. Knitting needle connector. 2,183,791; Dec. 19.
Dunsheath, Percy, Sidcup, assignor to Henley Extrusion Machine Company Limited, London, England. Metal extrusion machine. 2,183,959; Dec. 19.
Du Pont, E. I., de Nemours & Company. (See Boyd, James H., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Foulke, Willing B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hamilton, A. G., and Perkins, assignors.)
Du Pont, E. I., de Nemours & Company. (See Harris, Charles R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Levine, A. A., and Cass, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Arnold, assignors.)
Du Pont, E. I., de Nemours & Company. (See Scott, Norman D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stallmann, Otto, assignor.)
Durite Plastics, Incorporated. (See Cayo, Martha B., assignor.)
Durk, Henry, executor. (See Sheppard, J. F., Manuel, and Pringle.
Dusablond, William, Attleboro, Mass. Combined brace supporter and cravat holder. 2,183,831; Dec. 19.
Earl, Warren, Houston, Tex. Fan bearing. 2,184,213; Dec. 19.
Eastman, Joseph P., Manitowoc, Wis. Coupling. 2,184,116; Dec. 19.
Eastman Kodak Company. (See Blanchard, L. W., Jr., and Crane, assignors.
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)

Eastman Kodak Company. (See Drotning, Henry O., assignor.)
Eastman Kodak Company. (See Fairbanks, Henry N., assignor.)
Eastman Kodak Company. (See Figg, L. J., Jr., and Rhea, assignors.)
Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
Eastman Kodak Company. (See Leermakers, John A., assignor.)
Eastman Kodak Company. (See McFarlane, John W., assignor.
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Muehler, Lowell E., assignor.)
Eastman Kodak Company. (See Nagel, August, assignor.)
Eastman Kodak Company. (See Ort, Carl, assignor.)
Eastman Kodak Company. (See Parker, J H. S., and Stewart, assignors.)
Eastman Kodak Company. (See Seymour, Merrill W., assignor.)
Eastman Kodak Company. (See Sheppard, S. E., and Houck, assignors.)
Eastman Kodak Company. (See Sheppard, S. E., and Lambert, assignors.)
Eastman Kodak Company. (See Smith, Henry B., assignor.)
Eastman Kodak Company. (See Smith, K. S., and Casburn, assignors.)
Eastman Kodak Company. (See Staehle, Henry C., assignor.)
Eastman Kodak Company. (See Trinks, Willibald, assignor.)
Eastman Kodak Company. (See Van Derhoef, Henry E., assignor.)
Eastman Kodak Company. (See Wellman, Howard C., assignor.)
Eastman Kodak Company. (See Wittel, O., and Hughey, assignors.)
Eastman Kodak Company. (See Wood, Donald L., assignor.)
Eastman Kodak Company. (See Yule, John A. C., assignor.)
Eastman Machine Company. (See Clark, Frederick J., assignor.)
Eastman Machine Company. (See Clark, F. J., Hilgeman, assignors.)
Ebert, Edward A., and N. J. Gleiser, Buffalo, assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Sequence selector mechanism for automatic phonographs. 2,183,607; Dec. 19.
Eclipse Aviation Corporation. (See Allen, Joseph W., assignor.)
Eclipse Aviation Corporation. (See Nowosielski, Edward B., assignor.)
Eden, James A., Springfield, Mass., and P. Chase, West Hartford, Conn., assignors, by mesne assignments, to Bemis & Call Company, Springfield, Mass. Permutation lock. 2,183,792; Dec. 19.
Edna Brass Manufacturing Company, The. (See Corey, Elmer O., assignor.)
Educational Laboratories, Inc. (See Taylor, Earl A., assignor.)
Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller.)
Eldmann, Franz E., Eberswalde, near Berlin, Germany. Testing tubers for virus infection. 2,183,553; Dec. 19.
Elderkin, James K., Montclair, and E. Hofman, Newark, N. J., assignors to Chemical Products Company of New Jersey, Inc. Preparing dietary antirachitic substances. 2,183,933; Dec. 19.
Electrolux Corporation. (See Bilde, Tord E. D., assignor.)
Electro Metallurgical Company. (See Franks, Russell, assignor.)
Ellis, Russell S., Vineland, N. J. Gyratory crusher. 2,184,214; Dec. 19.
England, Harold H. (See Campbell, D. H., and England.)
Enterprise Manufacturing Company, The. (See Pflueger, Charles T., assignor.)
Erb, Arthur, Paterson, N. J. Automatic coupling for toy trains. 2,183,608; Dec. 19.
Erickson, Albin R., Los Angeles, Calif. Hand tool. 2,183,960; Dec. 19.
Erren, Rudolf A., London, England. Internal combustion engine using hydrogen as fuel. 2,183,674; Dec. 19.
Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Toggle top wringer mechanism. 2,183,881; Dec. 19.
Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer drain board mechanism. 2,183,882; Dec. 19.
Etzel, Franz, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,183,832; Dec. 19.
Evans, James C., East Aurora, N. Y. Safety razor. 2,183,554; Dec. 19.
Evenson, William G., Baraboo, Wis. Pipe cleaner. 2,183,906; Dec. 19.
Ewald, Wolfgang-Felix. (See Franke, E., and Ewald.)
Excel Curtain Company. (See Levan, John F., assignor.)
Extractol Process, Ltd. (See Bonotto, Michele, assignor.)
Faber, John P., Dunellen, N. J., assignor to Ransome Concrete Machinery Co. Closure for concrete mixing drums. 2,184,251; Dec. 19.
Fahrney, Delmer S., U. S. Navy. Aircraft. 2,183,555; Dec. 19.
Fairbanks, Henry N., assignor to Eastman Kodak Company, Rochester, N. Y. Magazine ejectors. 2,183,529; Dec. 19.
Fairey, Charles R., Hayes, England. Safety razor. 2,184,180; Dec. 19.
Fall, Albert P., Toledo, Ohio. Arm rest for motor vehicles. 2,184,181; Dec. 19.
Farbar, John A., Bell, Calif. Beach umbrella. 2,183,833; Dec. 19.
Faust, Fritz M. (See Sommer, V., Roberts, and Faust.)
Fawcett, Eric W., Northwich, England, assignor to Imperial Chemical Industries Limited. Halogenated solid ethylene polymer. 2,183,556; Dec. 19.
Fechheimer, Paul R., assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Filling machine of the continuous variety. 2,184,117; Dec. 19.
Federal Foundry Supply Company, The. (See Hasman, James, assignor.)
Fenn, John F., and J. Henchert, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Sheet metal container. 2,184,039; Dec. 19.
Ferm, John F., Midland, Pa., assignor to Mid-West Forge Company, Cleveland, Ohio. Apparatus for making roll-forged articles. 2,183,557; Dec. 19.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Combined hasp and latch. 2,183,834; Dec. 19.
Fibreboard Products Inc. (See Anderson, Nels A., assignor.)
Field, Joseph C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,183,713; Dec. 19.
Figg, Louis J., Jr., and J. W. Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing a lower alkyl amyl mixed ether. 2,184,010; Dec. 19.
Finkbone, Benjamin P. (See Matteson, E. A., and Finkbone.)
Finsterbusch, Karl. (See Barton, P. D., Finsterbusch, and Floyd.)
Fischer, Hellmuth, Ilmenau, Germany. Manufacturing multilayer hollow glass bodies. 2,183,961; Dec. 19.
Fischer, Peter and T., Lockwood, Saskatchewan, Canada. Windshield defroster. 2,183,907; Dec. 19.
Fischer, Theodore. (See Fischer, Peter and T.)
Fitch, John, assignor to Standard Container, Inc., Bloomfield, N. J. Valve for sprayers. 2,183,740; Dec. 19.
Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Grinding machine. 2,184,011; Dec. 19.
Fleetwings, Inc. (See Sutton, Wilson L., assignor.)
Fleming Manufacturing Company. (See Wilkinson, J. W., Morgan, and Aldham, assignors.)
Flexofiltration Limited. (See Belyavin, Paul, assignor.)
Flint, James E., North Newport, N. H. Liquid coating composition. 2,184,182; Dec. 19.
Floyd, Nathaniel M. (See Barton, P. D., Finsterbusch, and Floyd.)
Fong, Harold. (See Singer, Henry, assignor.)
Food Machinery Corporation. (See Hait, James M., assignor.)
Food Machinery Corporation. (See Magnuson, Roy M., assignor.)
Food Machinery Corporation. (See Mondloch, Henry, assignor.)
Forging and Casting Corporation. (See Krause, Charles W., assignor.)
Fort Wayne Corrugated Paper Co. (See Nickerson, Orva O., assignor.)
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Automatic volume control circuit. 2,183,609; Dec. 19.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Converter harmonic reduction circuit. 2,183,610; Dec. 19.
Foulke, Willing B., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Valve. 2,183,835; Dec. 19.
Frame, William M., Ben Avon, assignor to The National Supply Company, Pittsburgh, Pa. Threaded joint and apparatus for making it. 2,183,644; Dec. 19.
Franke, Ernst, and W.-F. Ewald, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie. Interference eliminator. 2,183,714; Dec. 19.
Franklin Tile Company. (See Schweiker, Malcolm A., assignor.)
Franks, Russell, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Corrosion resistant steel alloy. 2,183,715; Dec. 19.
Frantz Manufacturing Co. (See Ferris, William D., assignor.)
Frantz, Philip M. (See Rupp, G. H., and Frantz.)
Frazier, Ballie W. (See Buccicone, D., and Frazier.)

Freeman Doughaday Company. (See Lindquist, Albert W., assignor.)
Freeman, Louis G., Company, The. (See Klattie, Ernest C., assignor.)
Freeman, Robert L., Great Neck, N. Y., assignor to Hazeltine Corporation. Frequency-responsive network. 2,184,072; Dec. 19.
Frizzelle, Jasper B. (See Willis, Elijah J., assignor.)
Fulks, Samuel J., Chicago, Ill. Minnow snare. 2,184,073; Dec. 19.
Fykse, Mitchell L., South Milwaukee, Wis. Making flexible shaft couplings. 2,184,183; Dec. 19.
Gandrud, Ebenhard S., Owatonna, Minn. Framed pastry cloth. 2,183,767; Dec. 19.
Garner, Walter, Menston-in-Wharfdale, England. Treating textiles and oils therefor. 2,184,040; Dec. 19.
Garrett, George B., West Dettford Township, Gloucester County, N. J., and W. H. Thornton, assignors to George K. Garrett Company, Inc., Philadelphia, Pa. Spring lock washer and the like. 2,184,252; Dec. 19.
Garrett, George K., Company. (See Garrett, G. B., and Thornton, assignors.)
Geiger, John P., et al. (See Smith, Merton J., assignor.)
Geigy, J. R., S. A. (See Dobler, F., and Buess, assignors.)
General American Precooling Corporation. (See Killingstad, Ralph, assignor.)
General Aniline Works, Inc. (See Meyer, Georg, assignor.)
General Aniline Works, Inc. (See Robl, Rudolf, assignor.)
General Aniline Works, Inc. (See Schlichting, O., and Koeberle, assignors.)
General Electric Company. (See Hoare, Stephen C., assignor.)
General Electric Company. (See Lingg, Gustav, assignor.)
General Luminescent Corporation. (See Norgard, Wyman D., assignor.)
General Motors Corporation. (See Blake, G. C., and Smith, assignors.)
General Motors Corporation. (See Gerhardt, Carl W., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Newill, Edward B., assignor.)
General Printing Ink Corporation. (See Horman, Harold A., assignor.)
General Printing Ink Corporation. (See Koppe, Alexander T., assignor.)
General Railway Signal Company. (See Rees, Frank X., assignor.)
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand tool. 2,184,074; Dec. 19.
Gentry, Walter A., assignor of five-twelfths to R. B. Shoop and one-sixth to H. Meckel, San Antonio, Tex. Vending machine. 2,183,808; Dec. 19.
Gerhardt, Carl W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydraulic shock absorber valve. 2,184,184; Dec. 19.
Gerhold, Charles M., deceased; L. H. Gerhold, executrix, assignor to L. H. Gerhold, New York, N. Y. Gas washing apparatus. 2,184,185; Dec. 19.
Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils and gases. 2,184,096; Dec. 19.
Gerhold, Louise H., executrix. (See Gerhold, Charles M., assignor.)
Geyer, Fred W., Washington, D. C. Milk bottle top. 2,184,215; Dec. 19.
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Sealing strip for automobile windows. 2,184,186; Dec. 19.
Gillette, Elmon C. (See Corey, George H., assignor.)
Gimmi, Ernst. (See Lienhard, Fritz.)
Gish, Lewis L. (See De Rusha, W. W., and Gish.)
Gladitz, Walter, Augsburg, Germany. Welding device. 2,183,908; Dec. 19.
Gleason Works. (See Wildhaber, Ernest, assignor.)
Gleiser, Nelson J. (See Ebert, E. A., and Gleiser.)
Glenn, William J., Ansonia, Conn. Guide for rolling mills and other machines. 2,184,118; Dec. 19.
Globe-Union Inc. (See Smith, Raymond E., assignor.)
Globe-Wernicke Company, The. (See Hearn, T., and McKee, assignors.)
Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Removing a tire from a vulcanizing mold. 2,184,119; Dec. 19.
Godfrey, Edwin H., Wenonah, assignor to Godfrey Manufacturing Corporation, New Brunswick, N. J. Decompression device. 2,183,558; Dec. 19.
Godfrey Manufacturing Corporation. (See Godfrey, Edwin H., assignor.)
Goerg, Bernard. (See Daly, R. E., and Goerg.)
Golder, Boyd E., Utica, N. Y. Heat ray bath. 2,183,883 Dec. 19.
Goldhammer, Leo, Munich, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Camera with exposure meter. 2,183,768; Dec. 19.
Goldstein, Maxwell K., Philadelphia, Pa. Color transmission. 2,184,075; Dec. 19.
Goodman, Emil, assignor, by mesne assignments, to J. E. Johnson, Chicago, Ill. Token or coin handling apparatus. 2,183,611; Dec. 19.
Goodrich, B. F., Company, The. (See Leguillon, Charles W., assignor.)
Gordon, William S., Jr., North Tonawanda, assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y. Fluid fuel burner. 2,183,836; Dec. 19.
Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)
Gostkowski, Bedri H., Geneva, Switzerland. Relooping needle for woven and knitted goods. 2,183,716; Dec. 19.
Gottesmann, Edward, Jerusalem, Palestine, assignor, by mesne assignments, to K. W. Posnansky, New York, N. Y. Production of rubber substitute (factice). 2,184,076; Dec. 19.
Graham, James G., Butte, Mont., assignor to Sullivan Machinery Company. Rock drilling mechanism. 2,183,793; Dec. 19.
Grampp, Albert, New York, N. Y. Seesaw operated vehicle. 2,184,097; Dec. 19.
Grasser, Emil, Brooklyn, N. Y. Off-centering device for lens grinding machines. 2,183,962; Dec. 19.
Grayson Heat Control, Ltd. (See Mansky, Fred, assignor.)
Green, Buford L., Charlotte, N. C. Transmitting apparatus. 2,183,559; Dec. 19.
Green, Charles J. (See Krauss, Harry C., assignor.)
Green, Clarence J., assignor to Norton Company, Worcester, Mass. Index mechanism. 2,183,864; Dec. 19.
Green, Earl E. (See Bell, F. F., and Green.)
Green, Ernest, and N. H. Clough, London, England, assignors to Radio Corporation of America. Modulated carrier wave transmitter. 2,183,865; Dec. 19.
Greenwood, Aaron A. (See Siebert, D. W., Greenwood, and Lindquist.)
Grey, Ralph E. (See Phillips, E. C., Aspelin, and Grey.)
Griebling, Edward W., Freehold, N. J. Saw guard. 2,183,675; Dec. 19.
Groll, Herbert P. A., and J. Burgin, Oakland, assignors to Shell Development Company, San Francisco, Calif. Dehydrogenation process. 2,184,234; Dec. 19.
Groll, Herbert P. A., Berkeley, and J. Burgin, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalytic dehydrogenation of organic compounds. 2,184,235; Dec. 19.
Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Radio receiving system. 2,183,741; Dec. 19.
Gubin, Samuel, Erlton, N. J., assignor to Radio Corporation of America. Shielded relay attenuator. 2,183,612; Dec. 19.
Gundersen, Gordon L. (See Kalfstad, E., and Gundersen.)
Gurley, Arnold M. and J. M., Fort Worth, Tex. Pumping system. 2,183,560; Dec. 19.
Gurley, James M. (See Gurley, Arnold M. and J. M.)
Guynn, Andrew M., Houston, Tex. Gardening implement. 2,184,217; Dec. 19.
Gwinn, Joseph M., Jr., Buffalo, N. Y. Aircraft. 2,183,676; Dec. 19.
Hait, James M., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for classification of fruits and foodstuffs. 2,183,884; Dec. 19.
Hall, William J., Detroit, Mich., assignor, by mesne assignments, to W. J. Hall, O. L. Herron, W. M. Zimmers, and R. C. Schemmel. Hood construction. 2,183,809; Dec. 19.
Hamblin, Clyde M., Washington, D. C. Mechanical foam generator. 2,183,561; Dec. 19.
Hamilton, Alan G., and E. C. Perkins, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for extraction. 2,183,837; Dec. 19.
Hanke, Edwin W. F., Chicago, and W. J. Zenner, Des Plaines, assignors to Teletype Corporation, Chicago, Ill. Bias transmitter. 2,183,613; Dec. 19.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio relaying system. 2,183,562; Dec. 19.
Hansen, Nis M., San Francisco, Calif. Burner for depitching beer barrels. 2,184,142; Dec. 19.
Hansen, Ray C., assignor to M and M Wood Working Company, Portland, Oreg. Ventilator and roof support. 2,183,645; Dec. 19.
Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Relaying apparatus. 2,183,646; Dec. 19.
Harlin, Ellis C. (See Pitsch, Julius A., assignor.)
Harold, Joseph F. X., Yonkers, N. Y. Fabric making. 2,184,041; Dec. 19.
Harper, Fred C. (See Randall, W. H., and Harper.)
Harrington, William E., Beaumont, Tex. Hydraulic brake system. 2,184,042; Dec. 19.
Harris, Charles R., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Manufacture of hydrocyanic acid. 2,184,062; Dec. 19.
Harris, Raymond E., Agawam, Mass. Educational apparatus. 2,184,120; Dec. 19.
Harrison, E. H. (See Reed, Tiffin W., assignor.)
Hart, Frank, Los Angeles, Calif. Decalcomania transfer. 2,184,077; Dec. 19.

Hart, Kenneth V., Cleveland, Ohio. Fabricated structure. 2,183,563; Dec. 19.
Hart, Kenneth V., Cleveland, Ohio. Fabricated spring structure and making same. 2,183,564; Dec. 19.
Hartman, William W. (See Mautz, Ferdinand L., assignor.)
Hasman, James, Independence, assignor to The Federal Foundry Supply Company, Cleveland, Ohio. Vibrator screen support. 2,183,991; Dec. 19.
Haussmann, Hans, Mannheim, W. Scheufler and J. Kaupp, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polyoxyalkylene ether acid compounds containing a higher aliphatic group. 2,183,853; Dec. 19.
Haveles, Evangel A., Los Angeles, Calif. Check-pad holder. 2,183,810; Dec. 19.
Hawkins, James M., Browns Summit, assignor of one-half to L. B. King, Greensboro, N. C. Pea and bean sheller. 2,183,769; Dec. 19.
Hawley, Paul F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Two-well method of electrical logging and apparatus therefor. 2,183,565; Dec. 19.
Hazeltine Corporation. (See Freeman, Robert L., assignor.)
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Healy, Fred D., et al. (See Blake, Kenneth R., assignor.)
Hearn, Richard B. (See Cummings, G. C., and Hearn.)
Hearn, Thomas, Ludlow, Ky., and G. S. McKee, Cincinnati, assignors to The Globe-Wernicke Company, Norwood, Ohio. Letter tray. 2,183,992; Dec. 19.
Heath, Frank M., Silver Spring, Md. Water control for flush tanks. 2,183,677; Dec. 19.
Heavyside, Stuart J., Dayton, Ohio, assignor to The Univis Corporation, Wilmington, Del. Lens. 2,183,885; Dec. 19.
Heiland, Carl A., assignor to Heiland Research Corporation, Denver, Colo. Multiple galvanometer. 2,183,934; Dec. 19.
Heiland Research Corporation. (See Heiland, Carl A., assignor.)
Heilstedt, Harold R., Gary, Ind., and S. D. Jackson, Chicago, Ill. Safety helmet. 2,184,043; Dec. 19.
Heinrich, Gerhard, Hainsberg, Saxony, assignor to G. Spiess, Leipzig, Germany. Device for eliminating differences in register. 2,184,218; Dec. 19.
Heintz, Ralph M., Montclair, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Prime mover dynamo plant. 2,174,236; Dec. 19.
Helberg, Robert J., assignor to Sy-fil Corporation, Seattle, Wash. Carbonated water bottle filler. 2,183,770; Dec. 19.
Henchert, John. (See Fenn, J. F., and Henchert.)
Henderson, Quintin M., Kearny, N. J., assignor to United States Steel Corporation, New York, N. Y. Extensometer device. 2,183,909; Dec. 19.
Henley Extrusion Machine Company Limited. (See Dunsheath, Percy, assignor.)
Henrici, Fritz W. A., Milton, Mass. Goods treating machine and unloading means therefor. 2,183,910; Dec. 19.
Henriksen, Henry, Minneapolis, Minn. Art work. 2,184,121; Dec. 19.
Henry, Guy J., Chicago, Ill. Coupling structure. 2,183,614; Dec. 19.
Henry, Sidney, New York, N. Y. Hair net. 2,183,963; Dec. 19.
Herman, Clifton E., Columbus, Ohio. Refrigerator. 2,183,678; Dec. 19.
Herron, Ollie, et al. (See Hall, William J., assignor.)
Hershberg, Samuel, Brooklyn, N. Y. Photographic developing machine. 2,183,742; Dec. 19.
Heusted, George B. (See Dreisbach, R. R., and Heusted.)
Hildebrandt, Hiram H., Logansport, Ind. Leader for fly-fishing. 2,184,187; Dec. 19.
Hilgeman, Carl F. (See Clark, F. J., and Hilgeman.)
Hill, Thomas T., Beloit, Wis. Racing game. 2,183,771; Dec. 19.
Hillis, David R., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Portable hydraulic hoist or movable scaffold. 2,183,679; Dec. 19.
Hinshaw, Ira, Topeka, Kans. Spring suspension for vehicles. 2,184,188; Dec. 19.
Hjulinn, Julius A., Winnetka, Ill. Time switch. 2,183,886; Dec. 19.
Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company. Repulsion-attraction type current responsive instrument. 2,183,566; Dec. 19.
Hobson, Norman S. (See Wilson, J. A., and Hobson.)
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoe, R., & Co. (See Lougee, F. G., and Horton, assignors.)
Hoe, R., & Co. (See Quick, C. G., and Shadrack, assignors.)
Hoefer, Chester A., assignor to Hoefer Mfg. Co., Inc., Freeport, Ill. Multiple spindle machine tool. 2,183,743; Dec. 19.
Hoefer Mfg. Co. (See Hoefer, Chester A., assignor.)
Hoepfner, Edward P., Roosevelt, Okla. Floating tractor hitch. 2,184,044; Dec. 19.
Hofman, Emil. (See Elderkin, J. K., and Hofman.)
Holden, Dean H., Cleveland, Ohio. Lighting fixture. 2,183,647; Dec. 19.
Homan, Edward C., East Orange, assignor to Irvington Varnish & Insulator Co., Irvington, N. J. Electrical insulation material. 2,183,811; Dec. 19.
Hoover Company, The. (See Nelson, Rudolph S., assignor.)
Hoover Company, The. (See Taylor, Charles H., assignor.)
Hoover, Walter S., Girard, Pa. Variable pitch propeller mechanism. 2,184,143; Dec. 19.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reproducing machine and copy holder therefor. 2,184,012; Dec. 19.
Horlacher, Albert F. (See Woodruff, A. E., and Horlacher.)
Horman, Harold A., Lyndhurst, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Letter proportion varying device. 2,184,223; Dec. 19.
Hornickel, Richard, Finkenkrug, near Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 2,183,838; Dec. 19.
Horns, Martin, Chicago, Ill. Oil heater. 2,183,812; Dec. 19.
Horton, Albert J. (See Lougee, F. G., and Horton.)
Horton, Benjamin S. (See Brown, J. L., and Horton.)
Horton, Oliver D., et al. (See Coty, Fred J., assignor.)
Horvitz, Leo, assignor to E. E. Rosaire, Houston, Tex. Exploration for buried deposits. 2,183,964; Dec. 19.
Houck, Robert C. (See Sheppard, S. E., and Houck.)
Howard, Charles W., Franklin, assignor to The Black-Clawson Company, Hamilton, Ohio. Paper making apparatus. 2,184,180; Dec. 19.
Howard, Richard R., and W. C. Anthony, assignors to Anthony Company, Inc., Streator, Ill. Raising and tipping vehicle. 2,183,813; Dec. 19.
Howe, Francis R., Wakeman, Ohio. Supplemental panel stove top. 2,183,935; Dec. 19.
Howell, Martin L., Freedom, Pa. Separable electrical connector. 2,183,911; Dec. 19.
Howland, Louis H., Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Treatment of rubber. 2,183,567; Dec. 19.
Hubbell, Jesse P., Fanwood, N. J. Telephone instrument. 2,183,744; Dec. 19.
Huber, Ernst, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Thermostatic temperature regulator. 2,183,745; Dec. 19.
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Moisture distributing mechanism for printing machines. 2,183,568; Dec. 19.
Huelster, Otto. (See Reuter, R. L. E., and Huelster.)
Hughes, Ralph C., assignor to Reynolds Gas Regulator Company, Anderson, Ind. Pressure regulator. 2,183,569; Dec. 19.
Hughey, Carter J. (See Wittel, O., and Hughey.)
Hutchens, Harold G., and J. H. Crosier, Brighton, assignors to The Chef Master Corporation, Rochester, N. Y. Electric stove. 2,183,866; Dec. 19.
Huttinger, Charles A., Lakewood, assignor to Acme Rayon Corporation, Cleveland, Ohio. Manufacturing artificial silk thread and apparatus therefor. 2,184,144; Dec. 19.
Hyde, Reed W., Summit, N. J. Sintering finely divided fluorspar. 2,184,078; Dec. 19.
Hyland, Lawrence A., Washington, D. C. Radio apparatus. 2,183,746; Dec. 19.
I. G. Farbenindustrie Aktiengesellschaft. (See Haussmann, H., Scheufler, and Kaupp, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mueller-Cunradi, M., and Krekeler, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlack, Paul, assignor.)
Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Imperial Chemical Industries Limited. (See Fawcett, Eric W., assignor.)
Imperial Chemical Industries Limited. (See Mendoza, M., and White, assignors.)
Ingersoll-Rand Company. (See Kirgan, John, assignor.)
International Postal Supply Company, The. (See Persson, Ernst, assignor.)
Irvin, Robert R., and M. W. Mead, Jr., Bloomfield, N. J. Production of yeast. 2,183,570; Dec. 19.
Irvington Varnish & Insulator Co. (See Homan, Edward C., assignor.)
Isle, William E., Kansas City, Mo. Nut and bolt lock. 2,183,814; Dec. 19.
Isler, Ernst, assignor to Steatit Verkaufsgesellschaft A. G. (Steatite Trading Ltd.), Basel, Switzerland. Closure device for collapsible tubes. 2,183,912; Dec. 19.
Jabelmann, Otto, Omaha, Nebr. Locomotive. 2,183,913; Dec. 19.
Jackson, Stillman D. (See Heilstedt, H. R., and Jackson.)
Jauch, Eugen, Berlin-Siemensstadt, and E. Wochinger, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 2,183,839; Dec. 19.
Jaworowski, Joseph F., Cleveland, Ohio. Rotary pump. 2,183,571; Dec. 19.
Jeffrey, Clarence L., Fairfield, assignor of one-half to W. P. Mautz, Lebanon, Ill. Cutting blade. 2,184,045; Dec. 19.

Jennings, Jarvis S., Jr., assignor to Monarch Governor Company, Detroit, Mich. Spark control mechanism. 2,183,747; Dec. 19.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Adjustable support. 2,183,867; Dec. 19.
Johns-Manville Corporation. (See Rembert, Ernest W., assignor.)
Johnson, Alvin L., Toledo, Ohio, assignor to The American Forging & Socket Company, Pontiac, Mich. Emergency brake handle for automobiles. 2,183,772; Dec. 19.
Johnson, Arnold R., Underwood, N. Dak. Grinding machine. 2,183,914; Dec. 19.
Johnson, Carl E., Pasadena, Calif. Variable-speed pulley structure. 2,183,887; Dec. 19.
Johnson, Erik H., Portland, Oreg. Grate for sawdust burners. 2,183,648; Dec. 19.
Johnson, James E. (See Goodman, Emil, assignor.)
Johnson, Jesse C., Delray Beach, Fla. Hydraulic transmission. 2,184,219; Dec. 19.
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake hanger suspension means. 2,184,122; Dec. 19.
Johnson, Roy W., Milwaukee, Wis. Oil control device. 2,183,815; Dec. 19.
Johnston, Leith. (See Nelson, M. L., and Johnston.)
Jones, John L. (See Stockbarger, D. C., and Jones.)
Jones, John L. (See Whitney, E. C., and Jones.)
Jones, John L., Billerica, assignor to Stockton Profile Gauge Corporation, Lowell, Mass. Area measuring machine. 2,184,157; Dec. 19.
Jones & Lamson Machine Company. (See Flanders, Ralph E., assignor.)
Kahliff, William T., Elyria, Ohio. Clamp for grounding electrical equipment. 2,183,680; Dec. 19.
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J. Making pens, and strip for pen blanks. 2,183,572; Dec. 19.
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J. Production of pens. 2,183,573; Dec. 19.
Kahn, David, Inc. (See Kahn, David, assignor.)
Kahn, Frederick L., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,183,649; Dec. 19.
Kaiser, Christian J., Great Falls, assignor of five per cent to W. H. and I. McQueary, Ferdig, Mont. Pipe cleaner. 2,184,220; Dec. 19.
Kalle & Co. Aktiengesellschaft. (See Sponsel, K., and Daimler, assignors.)
Kampf, Harry E., Jackson Heights, N. Y., assignor to Neptune Meter Company. Hose locking mechanism for dispensing pumps. 2,184,079; Dec. 19.
Kaplan, Saul. (See Bowles, A. F., and Kaplan.)
Kappenberg, William, Queens Village, assignor to Coffee Products Corporation, New York, N. Y. Dispenser. 2,184,253; Dec. 19.
Karinshak, John, Jr., Uniontown, Pa. Track scraper. 2,184,046; Dec. 19.
Karlsson, Hilmer, and W. D. Yerrick, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Air preheater. 2,183,936; Dec. 19.
Kaupang, Oliver E. (See Roan, C. M., Kaupang, and Rohlen.)
Kaupp, Josef. (See Haussmann, H., Scheufler, and Kaupp.)
Kavan, Francis A., Fremont, Nebr., assignor to The Kerrihard Company, Red Oak, Iowa. Water distributor for ice boxes. 2,183,868; Dec. 19.
Keall, Oswold E., Essex, England, assignor to Radio Corporation of America. Modulation control system. 2,183,717; Dec. 19.
Kearns, William S., Providence, R. I. Beverage dispensing system with electrical advertising device. 2,183,840; Dec. 19.
Keasbey & Mattison Company. (See Ledeboer, John W., assignor.)
Kenyon, Alonzo F., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Operation of dynamo-electric machines. 2,183,993; Dec. 19.
Kerrihard Company, The. (See Kavan, Francis A., assignor.)
Kiefer, Karl, Machine Company, The. (See Fechheimer, Paul R., assignor.)
Killingstad, Ralph, New Smyrna, Fla., assignor, by mesne assignments, to General American Precooling Corporation, Chicago, Ill. Treatment of commodities. 2,183,915; Dec. 19.
King, George L., assignor to King Laboratories Inc., Syracuse, N. Y. Multiple getter. 2,183,841; Dec. 19.
King, John R., Dallas, Tex. Combined motor vehicle service cabinet and table. 2,184,047; Dec. 19.
King Laboratories Inc. (See King, George L., assignor.)
King, Laurie B. (See Hawkins, James M., assignor.)
Kinion, Archie A., et al. (See Philippe, George A., assignor.)
Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating apparatus. 2,183,615; Dec. 19.
Klafstad, Erling, Melrose, and G. L. Gundersen, Wollaston, assignors to Crosby Steam Gage & Valve Company, Boston, Mass. Relief valve. 2,183,650; Dec. 19.
Klangfilm G. m. b. H. (See Warncke, Hans, assignor.)
Klattie, Ernest C., assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Ornamenting machine. 2,184,165; Dec. 19.
Klipstein, Kenneth H., New Vernon, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Coloring fruit. 2,184,237; Dec. 19.
Knapp-Monarch Company. (See Newnham, Eugene, assignor.)
Knitting Machines Corporation. (See Lieberknecht, Karl R., assignor.)
Koeberle, Karl. (See Schlichting, O., and Koeberle.)
Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Belt fastener. 2,183,937; Dec. 19.
Koppe, Alexander T., Hasbrouck Heights, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Plate holder and carriage for photographic lettering machines. 2,184,221; Dec. 19.
Koppe, Alexander T., Hasbrouck Heights, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Apparatus for loading and unloading a photographic lettering machine. 2,184,222; Dec. 19.
Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel filter. 2,183,616; Dec. 19.
Koster, Frederick W., Meadville, assignor to American Viscose Corporation, Marcus Hook, Pa. Method and apparatus for the production of broken filament yarn. 2,184,254; Dec. 19.
Kral, Joseph, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Molding and like fastener and installation thereof. 2,184,255; Dec. 19.
Krause, Charles W., Detroit, assignor to The Forging and Casting Corporation, Ferndale, Mich. Ram for extrusion presses. 2,184,048; Dec. 19.
Krauss, Harry C., assignor of one-half to C. J. Green, Oxford, Pa. Hydraulic shock absorber. 2,184,190; Dec. 19.
Kreienfeld, Friedrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Amplifier device. 2,183,748; Dec. 19.
Krekeler, Heinz. (See Mueller-Cunradi, M., and Krekeler.)
Krout, Ray W., Paterson, assignor to Charms Company, Bloomfield, N. J. Folding container. 2,183,681; Dec. 19.
Kudrna, William E., Bunnell, Fla. Wagon. 2,183,682; Dec. 19.
Kurz, Fred, assignor to Sangamo Electric Company, Springfield, Ill. Meter construction. 2,183,617; Dec. 19.
Kyser, Bill N. (See McCline, B. A., and Kyser.)
Ladd, John W. B. (See Parker, M., and Ladd.)
Lambert, Charles F., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Bomb tail. 2,184,145; Dec. 19.
Lambert, Raymond H. (See Sheppard, S. E., and Lambert.)
Lamer, Louis, Ramsey, N. J. Window pane holding device and the like. 2,183,683; Dec. 19.
Landis & Gyr, A.-G. (See Huber, Ernst, assignor.)
Landis Tool Company. (See Balsiger, Harold E., assignor.)
Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,183,854; Dec. 19.
Lane, David O., Fort Valley, Ga. Apparatus and process of packaging fruit. 2,183,888; Dec. 19.
Lane, Guy M., assignor to Motor Products Corporation, Detroit, Mich. Ventilating window construction. 2,183,684; Dec. 19.
Lane, John T. (See Colgrove, Robert D., assignor.)
Langston, Arthur L., and J. I. MacDonald, Los Angeles, Calif.; said Langston assignor to said MacDonald. Multiple contact connector. 2,183,651; Dec. 19.
Lapointe, Donald H., assignor to The Miller Company, Meriden, Conn. Pilot light for oil burners. 2,183,749; Dec. 19.
Lapointe Machine Tool Company, The. (See Monroe, Kenneth C., assignor.)
Lazar, Arthur. (See McCormick, T. F., and Lazar.)
Ledeboer, John W., assignor to Keasbey & Mattison Company, Ambler, Pa. Making shingles. 2,183,965; Dec. 19.
Leermakers, John A., assignor to Eastman Kodak Company, Rochester, N. Y. Direct positive emulsion. 2,184,013; Dec. 19.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flooring. 2,184,146; Dec. 19.
Lehman, Robert E., St. Paul, Minn. Removable spout strainer. 2,183,773; Dec. 19.
Lemp, Charles A., and L. H. Russell, St. Louis, Mo. Venetian blind. 2,184,098; Dec. 19.
Lenning, Alvar, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Ice tray. 2,183,750; Dec. 19.
Levan, John F., assignor to Excel Curtain Company, Elkhart, Ind. Operating mechanism for windshields and the like. 2,183,774; Dec. 19.
Levesque, Louis L. (See Desautels, A. J., and Levesque.)
Levine, Arthur A., and O. W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of unsaturated cyclic compounds. 2,183,574; Dec. 19.

Lewis, Charles A., Lakewood, Colo. Marshmallow toaster. 2,183,938; Dec. 19.

Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Periodic wave-generating system. 2,183,966; Dec. 19.

Liaboe, Edward O., Bartlesville, Okla. Piano keyboard leveler. 2,183,916; Dec. 19.

Liberty Can and Sign Company. (See Rueger, Herman W., assignor.)

Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerator of vulcanization. 2,184,238; Dec. 19.

Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,184,239; Dec. 19.

Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Knitting Machines Corporation. Knitting machine. 2,183,575; Dec. 19.

Lienhard, Fritz, assignor of one-half to E. Gimmi, Zurich, Switzerland. Pedal drive, particularly for cycles. 2,184,049; Dec. 19.

Lindemuth, Lewis B., Port Washington, N. Y. Casting steel ingot. 2,183,576; Dec. 19.

Lindquist, Albert W., Edgewood, R. I., assignor to Freeman Doughaday Company. Key holder. 2,183,994; Dec. 19.

Lindquist, Allan. (See Siebert, D. W., Greenwood, and Lindquist.)

Lingg, Gustav, Berlin, Germany, assignor to General Electric Company. Current responsive apparatus. 2,183,685; Dec. 19.

Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Modulated carrier wave receiving installation. 2,183,718; Dec. 19.

Lippman, Benjamin and J., Brooklyn, N. Y. Knitting machine. 2,183,719; Dec. 19.

Lippman, Julius. (See Lippman, Benjamin and J.)

Lord, Geoffrey, and G. Reeves, Spondon, nera Derby, England, assignors to Celanese Corporation of America. Manufacture of amino compounds of the anthraquinone series. 2,183,652; Dec. 19.

Longee, Frederick G., New Malden, England, and A. J. Horton, White Plains, assignors to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,183,720; Dec. 19.

Lovelace, Charles D., San Antonio, Tex., assignor to C. Lovelace. Fish lure. 2,183,816; Dec. 19.

Lovelace, Claribel. (See Lovelace, Charles D., assignor.)

Lowe, Carl H., assignor to Self-Locking Carton Co., Chicago, Ill. Chain cell carton. 2,184,014; Dec. 19.

Lowe, Wilfrid, Hayfield, near Stockport, England. Mothproofing process and mouthproofed material. 2,184,147; Dec. 19.

Lubs, Herbert A., and L. B. Arnold, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Softening agent. 2,183,721; Dec. 19.

Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Method and apparatus for the operation of steam boilers and accessory devices. 2,184,224; Dec. 19.

Lusk, Myron E., Jr., Quincy, Ill. Dust gun. 2,184,191; Dec. 19.

M and M Wood Working Company. (See Hansen, Ray C., assignor.)

MacDonald, James I. (See Langston, A. L., and MacDonald.)

MacDonald, Sadie, Los Angeles, Calif. Face lifting device. 2,184,099; Dec. 19.

Magnuson, Roy M., assignor to Food Machinery Corporation, San Jose, Calif. Pressure regulator. 2,183,889; Dec. 19.

Magruder, John O., Los Angeles, Calif. Machine for clearing out pipe. 2,183,618; Dec. 19.

Malcom, Vincent V., Mariemont, Ohio, assignor to The Philip Carey Manufacturing Company. Paving joint construction. 2,184,148; Dec. 19.

Mandl, Sigmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Hinge pin pusher. 2,183,842; Dec. 19.

Mankoff, Henry J., Wichita, Kans. Reversible hood and chute for grinding machines. 2,184,123; Dec. 19.

Manly Corporation. (See Centervall, Hugo A., assignor.)

Mansky, Fred, assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Safety shut-off for multiple burners. 2,183,855; Dec. 19.

Manuel, Charles J. (See Sheppard, J. F., Manuel, and Pringle.)

Marr, Walter D., Flint, Mich. Fishing reel. 2,184,149; Dec. 19.

Marvin, John T., Dayton, and E. D. Raney, assignors to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,183,967; Dec. 19.

Maschinenfabrik Augsburg-Nurnberg A. G. (See Schlitte, Alfred, assignor.)

Mathey, Frank H., Tulsa, Okla. Weighing device. 2,183,817; Dec. 19.

Mathisen, Carl F. (See Werner, S. E., and Mathisen.)

Matteson, Elwin A., Youngstown, and B. P. Finkbone, Middletown, assignors to The Aetna Standard Engineering Company, Youngstown, Ohio. Galvanizing machine. 2,183,890; Dec. 19.

Mautz, Ferdinand L., Inglewood, assignor to W. W. Hartman, Los Angeles, Calif. Knife grinding machine. 2,183,995; Dec. 19.

Mautz, W. P. (See Jeffrey, Clarence L., assignor.)

Mayo, Edward L., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Heating and ventilating system. 2,183,996; Dec. 19.

McCline, Bert A., and B. N. Kyser, Monclova, Ohio. Fishing rod holder. 2,184,192; Dec. 19.

McCormick, Thomas F., Oakland, and A. Lazar, Berkeley, assignors, by mesne assignments, to Tide Water Associated Oil Company, San Francisco, Calif. Treating oil. 2,183,968; Dec. 19.

McDuffee, Claude A., Chicago, Ill., and T. W. Creech, Joplin, Mo. Mixing device. 2,184,225; Dec. 19.

McFarlane, John W., assignor to Eastman Kodak Company, Rochester, N. Y. Attachment for cameras. 2,184,015; Dec. 19.

McFedries, George M. (See Dillehay, E. R., and McFedries.)

McInnis, Nellie B., Sedro Woolley, Wash. Neck shield. 2,184,240; Dec. 19.

McKee, Grosvenor S. (See Hearn, T., and McKee.)

McKinney, Elsmere W., assignor to The McKinney Tool and Manufacturing Company, Cleveland, Ohio. Stretching sheet metal. 2,183,969; Dec. 19.

McKinney Tool and Manufacturing Company, The. (See McKinney, Elsmere W., assignor.)

McMahon, George F., Chicago, and A. Ramsey, Evanston, assignors to Schweitzer & Conrad, Inc., Chicago, Ill. Circuit interrupter. 2,183,751; Dec. 19.

McNally, James G. (See Dickey, J. B., and McNally.)

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,183,997; Dec. 19.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,183,998; Dec. 19.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,183,999; Dec. 19.

McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Straining equipment. 2,183,577; Dec. 19.

McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Straining equipment. 2,183,578; Dec. 19.

McQueary, Irene, et al. (See Kaiser, Christian J., assignor.)

McQueary, W. H., et al. (See Kaiser, Christian J., assignor.)

McRae, Edwin C., Huntington Woods, Mich. Battery charge responsive means. 2,184,193; Dec. 19.

Mead, James W., Coleman, Tex. Jack. 2,183,917; Dec. 19.

Mead, Morris W., Jr. (See Irvin, R. R., and Mead.)

Mechanism Limited. (See Moss, Douglas G. K., assignor.)

Meckel, Henry, et al. (See Gentry, Walter A., assignor.)

Meissl, Hugo, Oakville, Conn. Soil moistening device. 2,183,970; Dec. 19.

Mendoza, Mordecai, and G. S. J. White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Dyeing of furs. 2,183,752; Dec. 19.

Meyer, Georg, Cologne-Mulheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Condensation products of hydrolized protein material and their manufacture. 2,183,856; Dec. 19.

Meyer, Harry J., Fords, N. J. Liquid dispensing valve. 2,184,194; Dec. 19.

Meyer, Job L. G., and J. V. Raskie, assignors to Washington Co-Operative Egg and Poultry Association, Seattle, Wash. Preserving eggs and apparatus for carrying out said process. 2,184,063; Dec. 19.

Meyer, Paul F., Gary, Ind. Bicycle. 2,184,244; Dec. 19.

Mid-West Forge Company. (See Ferm, John F., assignor.)

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. 2,184,016; Dec. 19.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 2,184,017; Dec. 19.

Miller, Clyde L., Rock Rapids, Iowa. Brake. 2,184,050; Dec. 19.

Miller, Alfred J. (See Bucknam, J. H., and Miller.)

Miller, Bianca A., Ardmore, Pa. Concentrating trough. 2,183,971; Dec. 19.

Miller Company, The. (See Lapointe, Donald H., assignor.)

Miller, Frank. (See Shuler, Harry V., assignor.)

Miller, Frank M., Santa Monica, Calif. Hamburger press. 2,184,080; Dec. 19.

Miller, Harry W., Lancaster, Pa. Attachment for grinding machines. 2,183,686; Dec. 19.

Miller, Joseph H., San Diego, Calif. Sausage link forming machine. 2,183,687; Dec. 19.

Miller, Tony P., assignor to Teletype Corporation, Chicago, Ill. Control switch. 2,183,653; Dec. 19.

Milwaukee Gas Specialty Company. (See Thornbery, John H., assignor.)

Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)

Minser, William D., Everett, assignor of one-half to E. B. Schwenk, Seattle, Wash. Slip-sinker. 2,183,818; Dec. 19.

Modine Manufacturing Company. (See Spieth, Benjamin, assignor.)

Moise, Bolton C., Pittsburgh, Pa., assignor to National Tube Company. Well casing aligning guide. 2,184,051; Dec. 19.

Molins Machine Company Limited. (See Best, Cyril, assignor.)

Monarch Governor Company. (See Jennings, Jarvis S., Jr., assignor.)

Mondloch, Henry, Cedarburg, Wis., assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif. Can washer. 2,184,100; Dec. 19.

Monopower Corporation, The. (See Aspinwall, R. B., and Tyler, assignors.)

Monroe, Kenneth C., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Hydraulic broaching machine and work support therefor. 2,184,052; Dec. 19.

Monsanto Chemical Company. (See Bertsch, Johann A., assignor.)

Moore, George W., Long Beach, Calif. Safety liner shoe. 2,183,654; Dec. 19.

Moore, Wallace F., Fitchburg, Mass. Door closing and checking device. 2,184,264; Dec. 19.

Morgan, Willard L. (See Wallach, R. N., and Morgan.)

Morgan, William. (See Wilkinson, J. W., Morgan, and Aldham.)

Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjusting vibrating systems. 2,183,655; Dec. 19.

Moss, Douglas G. K., Sanderstead, assignor to Mechanism Limited, Croydon, England. Rolling valve for aircontrolled instruments. 2,183,939; Dec. 19.

Motor Products Corporation. (See Lane, Guy M., assignor.)

Mouw, Andrew, Ann Arbor, assignor to No-Sag Spring Company, Detroit, Mich. Clip. 2,183,843; Dec. 19.

Muehler, Lowell E., assignor to Eastman Kodak Company, Rochester, N. Y. Stable compositions useful in the compounding of photographic developers. 2,184,053; Dec. 19.

Mueller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, and H. Krekeler, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of butadiene from 1,3-butylene glycol. 2,184,164; Dec. 19.

Mulder, Johannes G. W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Rectifier tube and circuit arrangement therefor. 2,183,918; Dec. 19.

Mullen, Chester J., Redding, Calif. Robberyproof window. 2,183,819; Dec. 19.

Muller, Alexander C., Long Island City, assignor of one-half to The Teleregister Corporation, New York, N. Y. Mechanism for testing ignition systems. 2,184,124; Dec. 19.

Murphy, Dan R., assignor to The American Rolling Mill Company, Middletown, Ohio. Metal roof structure. 2,183,844; Dec. 19.

Myers, Harold A. (See Myers, Raymond I. and H. A.)

Myers, Harold A., Hawthorne, N. J. Building construction. 2,183,620; Dec. 19.

Myers, Raymond I. and H. A., Hawthorne, N. J. Door and window frame structure. 2,183,619; Dec. 19.

N. V. Philips' Gloeilampenfabrieken. (See Bertram, Hendrik C., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Mulder, Johannes G. W., assignor.)

Naftali, Henry. (See Naftali, Rudolf, V., and H.)

Naftali, Rudolf V. and H., New York, N. Y., assignors to American Machine & Foundry Company. Tie stitching machine. 2,184,256; Dec. 19.

Naftali, Valentine. (See Naftali, Rudolf, V., and H.)

Nagel, August, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Shutter actuating mechanism for folding cameras. 2,184,000; Dec. 19.

Nakagawa, Shinsaku, Sapporo, assignor to Toyo Tokushu Imono Kabushiki Kaisha, Shimura, Itabashiku, Tokyo, Japan. Manufacturing chilled hollow balls. 2,184,257; Dec. 19.

Nash, Charles P., Jr., assignor of one-half to E. M. Nash, and one-fourth to D. Ribble, Charlottesville, Va. Attachment for smoking appliances. 2,184,054; Dec. 19.

Nash, E. M., et al. (See Nash, Charles P., Jr., assignor.)

National Cash Register Company, The. (See Arnold, Charles H., assignor.)

National Fireproofing Corporation. (See Brewer, Arthur S., assignor.)

National-Standard Company. (See Domm, Elgin C., assignor.)

National Supply Company, The. (See Frame, William M., assignor.)

National Supply Company, The. (See Young, Forrest J., assignor.)

National Technical Laboratories. (See Allison, Donald K., assignor.)

National Tube Company. (See Moise, Bolton C., assignor.)

Nauclér, Johan O., Stockholm, Sweden. Method and apparatus for destroying froth. 2,184,195; Dec. 19.

Naugle, John J. (See Wadsworth, D. V., and Wickenden, assignors.)

Neal, Joseph W., Springfield, assignor of one-fourth to T. S. and G. V. Dayton, and fifty-five per cent to H. C. Kendall, Portland, Oreg. Guitar. 2,183,579; Dec. 19.

Nelson, Martin L., Park Ridge, Ill., and L. Johnston, Providence, R. I., assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Recording system. 2,183,820; Dec. 19.

Nelson, Rudolph S., assignor to The Hoover Company, North Canton, Ohio. House cooling system. 2,183,821; Dec. 19.

Nentume Meter Company. (See Kampf, Harry E., assignor.)

Newill, Edward B., assignor to General Motors Corporation, Dayton, Ohio. Switch for refrigerating apparatus. 2,184,241; Dec. 19.

Newman, Max M., New York, N. Y. Mechanism and method for cutting blanks for neckties. 2,183,722; Dec. 19.

Newnham, Eugene, assignor to Knapp-Monarch Company, St. Louis, Mo. Fan hub and blade structure. 2,183,891; Dec. 19.

Nickerson, Orva O., assignor to Fort Wayne Corrugated Paper Co., Fort Wayne, Ind. Shipping container. 2,184,258; Dec. 19.

Nigh, George W. (See Campbell, F. O., and Nigh.)

Nordberg Manufacturing Company. (See Symons, L. G., assignor.)

Norgard, Wyman D., Davenport, Iowa, assignor to General Luminescent Corporation, Chicago, Ill. Apparatus for coating tubes with luminescent materials. 2,184,266; Dec. 19.

Normington, James B. (See Dickey, J. B., and Normington.)

Northam Warren Corporation. (See Brekke, Marshall T., assignor.)

Norton Company. (See Green, Clarence J., assignor.)

No-Sag Spring Company. (See Mouw, Andrew, assignor.)

Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Spark plug. 2,184,196; Dec. 19.

Nystrom, Gunnar B., Cleveland Heights, assignor to The Republic Brass Company, Cleveland, Ohio. Waste control. 2,184,001; Dec. 19.

Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Circuit controlling device. 2,184,101; Dec. 19.

Ohashi, Allan K., Babylon, N. Y. Carbon paper. 2,183,580; Dec. 19.

O'Keefe, Francis C., Grand Island, Nebr. Combination collar clasp and shirt brace. 2,184,055; Dec. 19.

Olch, Jacob B., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Fabricated multicell shuttle box. 2,184,056; Dec. 19.

Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Rolling screw threads. 2,183,688; Dec. 19.

Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Thread forming mechanism. 2,183,689; Dec. 19.

Opie, William L., Prestatyn, Wales, assignor to Sierra Leone Development Company Limited, London, England. Ore and like concentrator. 2,184,226; Dec. 19.

Ort, Carl, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Lens attachment. 2,184,018; Dec. 19.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,183,581; Dec. 19.

Osmer, Leon E., Western Springs, Ill., and W. Tiddy, assignors to Semet-Solvay Engineering Corporation, New York, N. Y. Making high British thermal units carbureted water gas. 2,183,845; Dec. 19.

Ostline, John E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,183,656; Dec. 19.

Ostrom, Bernard S., Cincinnati, Ohio. Dental instrument. 2,183,690; Dec. 19.

Owens, Howard V., assignor to The Colon Company, Madison, Wis. Container closure and making same. 2,183,691; Dec. 19.

Owens, Jesse C., Los Angeles, Calif. Carpet stretcher. 2,184,019; Dec. 19.

Packard Motor Car Company. (See Christman, John M. assignor.)

Page, Arthur A., Red Wing, Minn. Aerobic filter. 2,183,657; Dec. 19.

Pagel, Lawrence C., Madison, Wis. Manufacture of casein. 2,184,002; Dec. 19.

Parker, J Henry S., and D. H. Stewart, assignors to Eastman Kodak Company, Rochester, N. Y. Film control member for a film magazine. 2,184,003; Dec. 19.

Parker, Morgan, Katonah, and J. W. B. Ladd, Chappaqua, N. Y., assignors to Bard-Parker Company, Inc., Danbury, Conn. Making rib-back blades. 2,184,150; Dec. 19.

Parker, Sydney M., Myton, assignor to Automotive Products Company Limited, London, England. Fluid pressure control system. 2,184,057; Dec. 19.

Parrish, Earl W., et al. (See Blake, Kenneth R., assignor.)

Paschke, Erich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Tuning means of communication or signal equipment. 2,183,723; Dec. 19.

Pass, Sam. (See Trubitz, Philip, assignor.)

Patin, Thaddeus, Anaheim, Calif., assignor to Byron Jackson Co. Elevator gate and latch. 2,183,582; Dec. 19.

Patterson Manufacturing Company. (See Patterson, Richard B., assignor.)

Patterson, Mary F., Berkeley, Calif. Color demonstration apparatus. 2,184,125; Dec. 19.

Patterson, Richard B., assignor to Patterson Manufacturing Company, Chicago, Ill. Application machine for insulating material. 2,183,583; Dec. 19.

Pawsat, Ewald F., assignor to Wald Mfg. Co., Inc., Maysville, Ky. Carrier and mounting therefor. 2,183,822; Dec. 19.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check for looms. 2,184,058; Dec. 19.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let-off for looms. 2,184,059; Dec. 19.

Pedersen, Bjarne, West New York, N. J. Electrical indicator and control means for impurities in solution. 2,183,584; Dec. 19.

Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Runway marker light. 2,184,004; Dec. 19.

Pennsylvania Furnace and Iron Company. (See De Frees, Joseph H., assignor.)

Pennsylvania Industrial Chemical Corporation. (See Burroughs, Samuel G., assignor.)

Perin, Donald W., Greenfield, assignor to Roloff Inc., of Mass., Cambridge, Mass. Freight container. 2,183,794; Dec. 19.

Perkins, Ezra C. (See Hamilton, A. G., and Perkins.)

Perkins, Melville F. (See Betterton, J. O., and Perkins.)

Persson, Ernst, assignor to The International Postal Supply Company, Brooklyn, N. Y. Lock for signature printing machines. 2,183,919; Dec. 19.

Pervel Corporation. (See De Witt, Francis, assignor.)

Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Container. 2,183,585; Dec. 19.

Peterson, Arthur E., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 2,183,621; Dec. 19.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Modulator system. 2,183,795; Dec. 19.

Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 2,184,242; Dec. 19.

Philippe, George A., Henryetta, assignor of one-twentieth to H. B. Dowell, one-twentieth to A. A. Kinion, Sand Springs, one-twentieth to B. M. Slaymaker, and one-twentieth to O. L. Slaymaker, Tulsa, Okla. Glass cutting machine. 2,184,126; Dec. 19.

Phillips, Ewell C., and L. L. Aspelin, Dayton, and R. E. Grey, Osborn, Ohio. Fuel feeding system. 2,183,586; Dec. 19.

Phillips Petroleum Company. (See Schulze, Walter A., assignor.)

Pike, Theodore F., assignor to Automatic Control Company, St. Paul, Minn. Circuit controlling system. 2,183,775; Dec. 19.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Rail truck suspension. 2,184,102; Dec. 19.

Pitsch, Julius A., Hollywood, assignor of one-half to E. C. Harlin, Los Angeles, Calif. Electric switch. 2,183,892; Dec. 19.

Plibrico Jointless Firebrick Company. (See Dunlap, Charles W., assignor.)

Porsche, Ferdinand, Stuttgart, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Vehicle wheel suspension. 2,183,940; Dec. 19.

Porsche, F., Dr. ing. h. c., K.-G. (See Porsche, Ferdinand, assignor.)

Posnansky, Karl W. (See Gottesmann, Edward, assignor.)

Potocek, Paul, Hebron, Conn. Combined strainer and cooler. 2,183,692; Dec. 19.

Potter, Joel S., Valley Cottage, assignor to L. Wilputte, New Rochelle, N. Y. Coke oven door machinery. 2,183,753; Dec. 19.

Price, Nathan C., Berkeley, Calif., assignor to Sirius Corporation. Fluid heater. 2,183,893; Dec. 19.

Pringle, William A. (See Sheppard, F. J., Manuel, and Pringle.)

Pruden, Harold M., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,183,941; Dec. 19.

Pye, David J., Pittsburg, Calif. Cold permanent waving of hair. 2,183,894; Dec. 19.

Quick, Cecil G., London, and H. W. Shadrack, Danbury, England, assignors to R. Hoe & Co., Inc., New York, N. Y. Ball bearing. 2,184,081; Dec. 19.

Racen, Ferdinand, St. Louis, Mo., and W. M. Bruner, New Haven, Conn., assignors to W. G. Shelton Company, St. Louis, Mo. Exothermic mixture. 2,183,587; Dec. 19.

Radio Corporation of America. (See Carter, Philip S., assignor.)

Radio Corporation of America. (See Foster, Dudley E., assignor.)

Radio Corporation of America. (See Green, E., and Clough, assignors.)

Radio Corporation of America. (See Grundmann, Gustave L., assignor.)

Radio Corporation of America. (See Gubin, Samuel, assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Keall, Oswold E., assignor.)

Radio Corporation of America. (See Linsell, Alfred A., assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)

Radio Corporation of America. (See Seeley, Stuart W., assignor.)

Radio Corporation of America. (See Sumner, Raymond S., assignor.)

Radio Corporation of America. (See Wright, George M., assignor.)

Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)

Ralney, Clifton K., assignor of one-fourth to J. F. Baker and one-fourth to F. Andrews, Knoxville, Tenn. Combined typewriting and accounting machine. 2,183,920; Dec. 19.

Ramage, John H., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lamp manufacture. 2,183,972; Dec. 19.

Ramsey, Allan. (See McMahon, G. F., and Ramsey.)

Ranco Incorporated. (See Marvin, J. T., and Raney, assignors.)

Ranco, Incorporated. (See Raney, Estel C., assignor.)

Randall, Walter H., and F. C. Harper, Waterville, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, trustee. Machine for producing molded fibrous pulp articles. 2,183,869; Dec. 19.

Raney, Eldon D. (See Marvin, J. T., and Raney.)

Raney, Estel C., assignor to Ranco, Incorporated, Columbus, Ohio. Control apparatus. 2,183,973; Dec. 19.

Ransome Concrete Machinery Co. (See Faber, John P., assignor.)

Rape, Floyd J., Edenburg, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Package for explosives. 2,184,166; Dec. 19.

Rasch, Henry N., Milwaukee, Wis. Dough cutting machine. 2,183,693; Dec. 19.

Raskie, Joseph V. (See Meyer, J. L. G., and Raskie.)

Reamer, Renton N., Jersey City, N. J. Display sign. 2,183,942; Dec. 19.

Reardon, Robert E., Camden, N. J. Collar decapper. 2,183,588; Dec. 19.

Reconstruction Finance Corporation. (See Hillis, David R., assignor.)

Reed Roller Bit Company. (See Stancliff, Thomas H., assignor.)

Reed, Tiffin W., assignor of one-half to E. H. Harrison, Fort Worth, Tex. Coupling. 2,183,895; Dec. 19.

Rees, Frank X., Albany, assignor to General Railway Signal Company, Rochester, N. Y. Traffic control system for railroads. 2,183,694; Dec. 19.

Reeves, George. (See Lord, G., and Reeves.)

Reich, Gustave T., Philadelphia, Pa. Device for the recovery of carbon dioxide gas. 2,183,943; Dec. 19.

Reichstein, Tadeus, Zurich, and E. Schlittler, Basel, Switzerland, assignors, by mesne assignments, to the firm Roche-Organon Incorporated, Nutley, N. J. Derivatives of compounds of the suprarenal cortical hormone series and making same. 2,183,589; Dec. 19.

Reinhold, B. (See Abegg, Walter A., assignor.)

Rembert, Ernest W., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Decolorizing oils. 2,183,590; Dec. 19.

Repasy, Steve, Los Angeles, Calif. Watch and jewelry cleaning machine. 2,184,020; Dec. 19.

Republic Brass Company, The. (See Nystrom, Gunnar B., assignor.)

Republic Rubber Company, The. (See Campbell, Hugh S., assignor.)

Reuter, René L. E., and O. Huelster, assignors to Scovill Manufacturing Company, Waterbury, Conn. Tube deformer. 2,183,921; Dec. 19.

Reyburn, John R., Fairfield, assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Making antiskid tire chain links. 2,184,127; Dec. 19.

Reynolds Gas Regulator Company. (See Hughes, Ralph C., assignor.)

Rhea, James W. (See Figg, L. J., Jr., and Rhea.)

Ribble, Deane, et al. (See Nash, Charles P., Jr., assignor.)

Richards Chemical Works, Incorporated, The. (See Bowles, A. F., and Kaplan, assignors.)

Richardson, Charles A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for testing tubular members. 2,183,974; Dec. 19.

Richardson Company, The. (See Dillehay, E. R., and McFedries, assignors.)

Roan, Carl M., O. E. Kaupang, and A. W. Rohlen, Minneapolis, Minn., assignors to Beacon Safety Signal Co. Direction turn indicator for vehicles. 2,183,622; Dec. 19.

Robatel, Georges. (See Argant, H., Chanay, and Robatel.)

Robb, Wilbur A., Huntington Park, Calif. Electrode holder. 2,183,846; Dec. 19.

Robbins, Elwin A., Nashua, N. H. Milling cutter. 2,183,922; Dec. 19.

Roberts, Bruno R. (See Sommer, V., Roberts, and Faust.)

Roberts, Edward F., Rye, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Shoe embodying stretchable leather in its construction. 2,184,082; Dec. 19.

Roberts-Gordon Appliance Corporation. (See Gordon, William S., Jr., assignor.)

Roberts, James H., Osceola, Ark. Spring shackle assembly. 2,183,923; Dec. 19.

Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening pulling machine. 2,183,695; Dec. 19.

Robinson, Preston, Williamstown, and J. L. Collins, assignors to Sprague Specialties Co., North Adams, Mass. Electrolytic device. 2,183,776; Dec. 19.

Robl, Rudolf, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the naphthalene series. 2,183,870; Dec. 19.

Robl, Rudolf, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the naphthalene series. 2,183,871; Dec. 19.

Roche-Organon Incorporated. (See Reichstein, T., and Schlittler, assignors.)

Rogers, Thomas C. (See Bell, T. W., and Rogers.)

Rohde, Edith E., executrix. (See Rohde, Otto C.)

Rohde, Otto C., deceased, by E. E. Rohde, executrix, assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio. Radio shielded spark plug. 2,183,696; Dec. 19.

Rohlen, Arthur W. (See Roan, C. M., Kaupang, and Rohlen.)

Rollins, Leroy W., Medford, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe. 2,183,697; Dec. 19.

Roloff Inc., of Mass. (See Perin, Donald W., assignor.)

Rosaire, Esme E. (See Horvitz, Leo, assignor.)

Rose, Ben B., et al. (See Adler, Solomon, assignor.)

Rosenthal, August. (See Rosenthal, Henry L. and A.)

Rosenthal, Henry L. and A., Wauwatosa, assignors to Rosenthal Manufacturing Co., West Allis, Wis. Corn husker and shredder. 2,184,083; Dec. 19.

Rosenthal, Henry L. and A., Wauwatosa, assignors to Rosenthal Manufacturing Co., West Allis, Wis. Trailer implement. 2,184,084; Dec. 19.

Rosenthal Manufacturing Co. (See Rosenthal, Henry L. and A., assignors.)

Ross, Elmer G., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Steam ejector. 2,183,623; Dec. 19.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Wall mounting for electrical device. 2,183,872; Dec. 19.

Royle, Vernon E., Paterson, N. J. Lining and beveling machine. 2,184,128; Dec. 19.

Rueger, Herman W., assignor to Liberty Can and Sign Company, Lancaster, Pa. Metallic dispensing receptacle. 2,184,227; Dec. 19.

Rueppel, Fred R., East Detroit, Mich. Powder packing box. 2,184,151; Dec. 19.

Ruetz, George D., Racine, Wis. Drink mixer. 2,184,085; Dec. 19.

Rupp, George H., and P. M. Frantz, Pueblo, assignors to The Colorado Fuel and Iron Corporation, Denver, Colo. Filtering or dewatering. 2,183,896; Dec. 19.

Ruschig, Heinrich. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller.)

Russell, Leroy H. (See Lemp, C. A., and Russell.)

Rydin, Norval, Chicago, Ill. Centering device for toy train couplers. 2,184,103; Dec. 19.

Saffady, Thomas F., Detroit, Mich. Forming tool. 2,183,796; Dec. 19.

Saffir, Jacob A., Chicago, Ill. Ampoule. 2,184,152; Dec. 19.

Saks, Ira. (See Spase, Charles B., assignor.)

Salisbury, William, Monroeville, Ohio. Producing pottery. 2,183,944; Dec. 19.

Sangamo Electric Company. (See Kurz, Fred, assignor.)

Sattler, Edward J., Mineral City, Ohio. Car supporting construction. 2,184,021; Dec. 19.

Saunders, Walter S., assignor to The American Forging and Socket Company, Pontiac, Mich. Latching mechanism. 2,184,086; Dec. 19.

Savage, Robert H., Salem, Oreg. Cane. 2,183,975; Dec. 19.

Schemmel, R. C., et al. (See Hall, William J., assignor.)

Schering Corporation. (See Schoeller, Walter, assignor.)

Scheufler, Walter. (See Haussmann, H., Scheufler, and Kaupp.)

Schieferstein, Georg H., Berlin-Charlottenburg, Germany. Stone crusher. 2,183,698; Dec. 19.

Schiller, Friedrich. (See Achtermann, O., and Schiller.)

Schlack, Paul, Berlin–Treptow, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Dyeing. 2,183,754; Dec. 19.

Schlichting, Otto, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone series. 2,183,873; Dec. 19.

Schlittler, Emil. (See Reichstein, T., and Schlittler.)

Schnaier, Milton, New York, N. Y. Smoking pipe. 2,183,658; Dec. 19.

Schoch, Eugene P., Austin, Tex. Lignite and producing the same. 2,183,924; Dec. 19.

Schoeller, Walter, Berlin-Charlottenburg, Germany, assignor to Schering Corporation, Bloomfield, N. J. Manufacture of dihydrofollicle hormones by fermentative reduction. 2,184,167; Dec. 19.

Schonitzer, Rudolph I., Shaker Heights, Ohio. Door check. 2,184,201; Dec. 19.

Schottky, Walter, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Thermonegative resistor. 2,183,755; Dec. 19.

Schreiner, Louis R., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Grounding device for coaxial conductor lines. 2,183,945; Dec. 19.

Schröder, Heinrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Remote control device. 2,183,724; Dec. 19.

Schuler, L., A. G. (See Achtermann, O., and Schiller, assignors.)

Schultz, John, New Britain, Conn. Automatic draft regulator. 2,184,228; Dec. 19.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,183,591; Dec. 19.

Schütte, Alfred, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Turbine driven blower. 2,184,197; Dec. 19.

Schwab, Earl H. (See Warr, H. E., and Schwab.)

Schwartz, Edward, assignor to The Sound Publicity Corp., New York, N. Y. Sound reproducing device. 2,183,777; Dec. 19.

Schwartz, Fernand F., Paris, France, assignor, by mesne assignments, to American Ecla Corporation, Dover, Del. Manufacture of elastic fabrics. 2,184,153; Dec. 19.

Schwartz, Jacob R., Brooklyn, N. Y. Laminated bite wafer. 2,183,624; Dec. 19.

Schwarz, Gustav E., Hempstead, N. Y. Composite packing material. 2,184,087; Dec. 19.

Schweiker, Malcolm A., assignor to Franklin Tile Company, Lansdale, Pa. Fashioning tiles. 2,183,699; Dec. 19.

Schweitzer & Conrad, Inc. (See McMahon, G. F., and Ramsey, assignors.)

Schweitzer & Conrad, Inc. (See Triplett, Hugh A., assignor.)

Schwenk, Earl B. (See Minser, William D., assignor.)

Scott, Norman D., Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reacting alkali metals with aromatic hydrocarbons. 2,183,847; Dec. 19.

Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Age resistor. 2,184,168; Dec. 19.

Scovill Manufacturing Company. (See Reuter, R. L. E., and Huelster, assignors.)

Seaman, David J., Battle Creek, assignor to S. D. Cohen, Marquette, and M. L. Seaman, Battle Creek, Mich. Door. 2,184,259; Dec. 19.

Seaman, Maurice L., et al. (See Seaman, David J., assignor.)

Seeber, Peter, Champaign, Ill. Detasseling machine. 2,184,198; Dec. 19.

Seeley, Stuart W., Bayside, Long Island, N. Y., assignor to Radio Corporation of America. Remote control system. 2,183,725; Dec. 19.

Self-Locking Carton Co. (See Lowe, Carl H., assignor.)

Semet-Solvay Engineering Corporation. (See Osmer, L. E., and Tiddy, assignors.)

Servel, Inc. (See Blomqvist, G. M., and Torstensson, assignors.)

Servel, Inc. (See Lenning, Alvar, assignor.)

Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Color photography. 2,184,022; Dec. 19.

Shadrack, Henry W. (See Quick, C. G., and Shadrack.)

Shannon, Paul B., et al. (See Smith, Merton J., assignor.)

Shell Development Company. (See Coltof, Willem, assignor.)

Shell Development Company. (See Groll, H. P. A., and Burgin, assignors.)

Shell Development Company. (See Yabroff, David L., assignor.)

Shelton, W. G., Company. (See Racen, F., and Bruner, assignors.)

Sheppard, Joel F., and C. J. Manuel, Dover, N. H., and W. A. Pringle, deceased, by H. Durk, executor, assignors to American Sales Book Company, Inc., Niagara Falls, N. Y. Autographic register. 2,183,778; Dec. 19.

Sheppard, Samuel E., and R. C. Houck, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic antihalation layer made from alloxan. 2,184,024; Dec. 19.

Sheppard, Samuel E., and R. H. Lambert, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Buffered photographic emulsion. 2,184,023; Dec. 19.

Sherrill, Harry J., Youngstown, Ohio. Hydraulic transmission. 2,183,823; Dec. 19.

Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,183,874; Dec. 19.

Shoop, R. B., et al. (See Gentry, Walter A., assignor.)

Shuler, Harry V., assignor of forty per cent to F. Miller, Ontario, Oreg. Beet topping machine. 2,183,770; Dec. 19.

Shure Brothers. (See Baumzweiger, Benjamin, assignor.)

Shure, Frances, trustee. (See Baumzweiger, Benjamin.)

Shure, S. N. (See Baumzweiger, Benjamin, assignor.)

Siebert, Donald W., A. A. Greenwood, and A. Lindquist, assignors to O. W. Siebert Company, Gardner, Mass. Running gear for baby carriages. 2,184,154; Dec. 19.
Siebert, O. W., Company. (See Siebert, D. W., Greenwood, and Lindquist, assignors.)
Siemens & Halske Aktiengesellschaft. (See Hornickel, Richard, assignor.)
Siemens & Halske Aktiengesellschaft. (See Schottky, Walter, assignor.)
Siemens & Halske Aktiengesellschaft. (See Simon, Franz, assignor.)
Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Etzel, Franz, assignor.)
Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Jauch, E., and Wochinger, assignors.)
Sierra Leone Development Company Limited. (See Opie, William L., assignor.)
Silliman, Horace F., assignor to The American Brass Company, Waterbury, Conn. Electrical conductor. 2,183,592; Dec. 19.
Simon, Franz, Berlin-Friedenau, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 2,183,848; Dec. 19.
Simpson, George H., Toronto, Ontario, Canada. Racket. 2,183,925; Dec. 19.
Sinclair, Jesse H., Burlington, Vt. Braking indicator. 2,183,700; Dec. 19.
Singer, Henry, assignor of one-half to H. Fong, Honolulu, Hawaii. Ventilated and cushioned wrist watch band. 2,184,060; Dec. 19.
Sirius Corporation. (See Price, Nathan C., assignor.)
Skroback, John W., Olean, N. Y. Automobile jack. 2,184,061; Dec. 19.
Slaymaker, Beulah M., et al. (See Philippe, George A., assignor.)
Slaymaker, Otho L., et al. (See Philippe, George A., assignor.)
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing tetrahydrofurfuryl maleate. 2,184,155; Dec. 19.
Smith, John P., Jr., Ridgewood, assignor to The Daven Company, Newark, N. J. Attenuation network. 2,184,104; Dec. 19.
Smith, Kenneth S., Wealdstone, Harrow, and E. V. Casburn, Hitchin, England, assignors to Eastman Kodak Company, Rochester, N. Y. Siphon apparatus. 2,184,025; Dec. 19.
Smith, Merton J., Cleveland, assignor of thirty per cent to P. B. Shannon, Lakewood, twenty per cent to J. P. Geiger, Cleveland, and twenty per cent to R. W. Wilson, Rocky River, Ohio. Liquid feed apparatus. 2,183,875; Dec. 19.
Smith, Percival C. (See Blake, G. C., and Smith.)
Smith, Raymond E., assignor to Globe-Union Inc., Milwaukee, Wis. Shaft extension and coupling therefor. 2,183,824; Dec. 19.
Smith, Robert A., Mahwah, N. J. Shovel. 2,183,976; Dec. 19.
Smith, Samuel H., Olmsted Township, Cuyahoga County, Ohio. Method of and apparatus for making color cards. 2,183,797; Dec. 19.
Société Anonyme "Ateliers Robatel & Buffaud", et al. (See Argant, H., Chanay, and Robatel, assignors.)
Société Anonyme "Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord réunies, Etablissements Kuhlmann," et al. (See Argant, H., Chanay, and Robatel, assignors.)
Soenens, Maurice A., Bruges, assignor to The Automatic Flax Production Units, Courtrai, Belgium. Machine for pulling standing flax or other like plants. 2,183,946; Dec. 19.
Sommer, Eric E. (See Burdick, J. N., and Sommer.)
Sommer, Victor, and B. R. Roberts, Jamaica, and F. M. Faust, St. Albans, N. Y. Apparatus for the treatment of the skin or the like. 2,183,726; Dec. 19.
Sopchack, Carl, New Kensington, Pa. Molding apparatus. 2,183,977; Dec. 19.
Sordahl, Louis O., Chicago, Ill., assignor to United States Steel Corporation. Radiation pyrometer device. 2,184,169; Dec. 19.
Sorenson, Elvira J. (See Sorenson, Wendell L., assignor.)
Sorenson, Wendell L., assignor to E. J. Sorenson, Brooklyn, N. Y. Stapling. 2,183,978; Dec. 19.
Sound Publicity Corp., The. (See Schwartz, Edward, assignor.)
Spase, Charles B., Syracuse, N. Y., assignor to I. Saks, Cleveland, Ohio. Clutch. 2,184,005; Dec. 19.
Spencer, Lon C., Indianapolis, Ind. Trolley splicer. 2,184,006; Dec. 19.
Sperberg, Lawrence R., Habana, Cuba, assignor to Wingfoot Corporation, Wilmington, Del. Preparing selenyl aryl thiazoles. 2,184,170; Dec. 19.
Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)
Spiess, Georg. (See Heinrich, Gerhard, assignor.)
Spiess, Georg, Leipzig, Germany. Control device for sheet feeding apparatus. 2,184,229; Dec. 19.
Spteth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Cooling unit. 2,183,593; Dec. 19.
Sponsel, Kurt, Wiesbaden-Biebrich, and K. Daimler, Frankfort-on-the-Main-Hochst, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Washing composition. 2,184,171; Dec. 19.
Sprague Specialties Co. (See Robinson, P., and Collins, assignors.)
Squibb, E. R., & Sons. (See Werner, S. E., and Mathisen, assignors.)
Staehle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Transparency mount. 2,184,007; Dec. 19.
Stallmann, Otto, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction products of bz-2, bz-2'-dihydroxy-dibenzanthrone and preparing the same. 2,183,625; Dec. 19.
Stallmann, Otto, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the dibenzanthrone series. 2,183,626; Dec. 19.
Stallmann, Otto, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the dibenzanthrone series. 2,183,627; Dec. 19.
Stallmann, Otto, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkyl esters of leuco dibenzanthrone. 2,183,628; Dec. 19.
Stallmann, Otto, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the dibenzanthrone series. 2,183,629; Dec. 19.
Stallmann, Otto, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the dibenzanthrone series. 2,183,630; Dec. 19.
Stancliff, Thomas H., assignor to Reed Roller Bit Company, Houston, Tex. Drilling bit. 2,184,129; Dec. 19.
Standard Container, Inc. (See Fitch, John, assignor.)
Stanolind Oil and Gas Company. (See Hawley, Paul F., assignor.)
Steatit Verkaufsgesellschaft A. G. (Steatite Trading Ltd.). (See Isler, Ernst, assignor.)
Steffen, Elmer G., Cleveland, Ohio. Valve structure. 2,183,825; Dec. 19.
Stein, Elias, Boston, Mass. Needle lubricator. 2,183,659; Dec. 19.
Stein, Hall Manufacturing Company. (See Bauer, Hans F., assignor.)
Steiner, Stanley L., Chicago, Ill. Dental instrument. 2,184,105; Dec. 19.
Stephan, Henry G., Chicago, Ill. Tank magnet. 2,184,199; Dec. 19.
Stern, Charles, Jersey City, N. J. Rail lubricating apparatus. 2,183,727; Dec. 19.
Stevens, Waldo B., Tigerton, Wis. Leg-gripping attachment for milk pails. 2,184,106; Dec. 19.
Stewart, Donald H. (See Parker, J. H. S., and Stewart.)
Stiller, Harry I., Hollywood, Calif. Toilet cabinet. 2,183,897; Dec. 19.
Stockbarger, Donald C., Belmont, and J. L. Jones, North Billerica, assignors to Stockton Profile Gauge Corporation, Lowell, Mass. Apparatus for measuring area. 2,184,159; Dec. 19.
Stockbarger, Donald C., Belmont, and J. L. Jones, North Billerica, assignors to Stockton Profile Gauge Corporation, Lowell, Mass. Apparatus for scanning. 2,184,160; Dec. 19.
Stockbarger, Donald C., Belmont, and J. L. Jones, North Billerica, assignors to Stockton Profile Gauge Corporation, Lowell, Mass. Apparatus for scanning. 2,184,161; Dec. 19.
Stockbarger, Donald C., Belmont, and J. L. Jones, North Billerica, assignors to Stockton Profile Gauge Corporation, Lowell, Mass. Apparatus for measuring area. 2,184,162; Dec. 19.
Stockton Profile Gauge Corporation. (See Bowles, Edward L., assignor.)
Stockton Profile Gauge Corporation. (See Jones, John L., assignor.)
Stockton Profile Gauge Corporation. (See Stockbarger, D. C., and Jones, assignors.)
Stockton Profile Gauge Corporation. (See Whitney, E. C., and Jones, assignors.)
Strong, James H., Hightstown, N. J. Parachute training and amusement device. 2,183,594; Dec. 19.
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Sudmann, Alfred, Vegesack, Germany. Cuff link. 2,184,230; Dec. 19.
Sullivan, Francis W., Cranston, R. I., assignor to United Wire & Supply Corporation. Package for a length of tubular material. 2,183,876; Dec. 19.
Sullivan Machinery Company. (See Graham, James G., assignor.)
Sullivan Machinery Company. (See Johansen, Harry C., assignor.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Sumner, Raymond S., Audubon, N. J., assignor to Radio Corporation of America. Sound film splice. 2,183,947; Dec. 19.
Super Mold Corporation of California. (See Glynn, Edwin A., assignor.)
Sutton, Wilson L., assignor to Fleetwings, Inc., Bristol, Pa. Linkage system. 2,184,260; Dec. 19.
Swanberg, Julius, Chicago, Ill. Bait. 2,183,849; Dec. 19.
Sy-fill Corporation. (See Helberg, Robert J., assignor.)
Sylvania Industrial Corporation. (See Wallach, R. N., and Morgan, assignors.)

Symons, Loren G., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Screen. 2,183,660; Dec. 19.
Taylor, Charles H., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,183,826; Dec. 19.
Taylor, Earl A., Chicago, Ill., assignor to Educational Laboratories, Inc., Brownwood, Tex. Treating eyes. 2,184,131; Dec. 19.
Taylor, Russell C., Greenwich, Conn., assignor to American Can Company, New York, N. Y. Container. 2,183,595; Dec. 19.
Telefunken Gesellschaft für Drahtlose Telegraphie. (See Franke, E., and Ewald, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kreienfeld, Friedrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Paschke, Erich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröder, Heinrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wilhelm, Karl, assignor.)
Teleregister Corporation, The. (See Muller, Alexander C., assignor.)
Teletype Corporation. (See Hanke, E. W. F., and Zenner, assignors.)
Teletype Corporation. (See Miller, Tony P., assignor.)
Terrell Machine Company, The. (See Donahoo, David H., assignor.)
Tew, Wilson W., Elon College, N. C. Flier block brake. 2,183,756; Dec. 19.
Theiss, Harry W., Louisville, Ohio, assignor to Continental Steel Corporation, Kokomo, Ind. Sheet catching and stacking mechanism. 2,183,798; Dec. 19.
Thomas, Calvin I., Texon, Tex. Counterrotating counterbalance. 2,184,200; Dec. 19.
Thornally, Ralph W., Berkeley, Calif. Insulation testing. 2,183,898; Dec. 19.
Thornbery, John H., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermoelectric safety switch and the like. 2,183,827; Dec. 19.
Thornton, William H. (See Garrett, G. B., and Thornton.)
Tiddy, William. (See Osmer, L. E., and Tiddy.)
Tide Water Associated Oil Company. (See McCormick, T. F., and Lazar, assignors.)
Timken-Detroit Axle Company, The. (See Buckendale, Lawrence R., assignor.)
Tizio, Vincent J., Brooklyn, N. Y. Guide holder for writing implements. 2,184,130; Dec. 19.
Todd, Hobart H., Chicago, Ill. Beater. 2,184,132; Dec. 19.
Toner, John A., London, England. Toe protector. 2,183,701; Dec. 19.
Tornberg, Torsten H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oscillating fan. 2,183,979; Dec. 19.
Torstensson, Sture F. (See Blomqvist, G. M., and Torstensson.)
Toyo Tokushu Imono Kabushiki Kaisha. (See Nakagawa, Shinsaku, assignor.)
Transit Research Corporation. (See Piron, Emil H., assignor.)
Trimble, Lyne S., assignor to Cinecolor, Incorporated, Los Angeles, Calif. Coloring photographic images. 2,183,661; Dec. 19.
Trinks, Willibald, Pittsburgh, Pa., assignor to Eastman Kodak Company, Rochester, N. Y. Burner construction. 2,183,596; Dec. 19.
Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse. 2,183,728; Dec. 19.
Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse construction. 2,183,729; Dec. 19.
Trubitz, Philip, assignor to S. Pass, Chicago, Ill. Plaited product and forming the same. 2,183,828; Dec. 19.
Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)
Tschanz, Carl A., Cincinnati, Ohio. Stabilizing system for vehicles. 2,184,202; Dec. 19.
Turkington, Victor H., Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Producing molded articles under heat and pressure. 2,183,857; Dec. 19.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spindle mounting for loom shuttles. 2,184,026; Dec. 19.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cooling means for picker spindles. 2,184,027; Dec. 19.
Twin Disc Clutch Company. (See Batten, Percy H., assignor.)
Tyler, Tracy B. (See Aspinwall, R. B., and Tyler.)
Underwood, Roy C., Sydney, New South Wales, Australia. Bunsen burner. 2,184,203; Dec. 19.
Union Carbide and Carbon Corporation. (See Bucknam, J. H., and Miller, assignors.)
Union Oil Company of California. (See Bray, Ulric B., assignor.)
United-Carr Fastener Corporation. (See Chaffee, Raymond O., assignor.)
United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)
United-Carr Fastener Corporation. (See Kral, Joseph, assignor.)
United Engineering & Foundry Company. (See Richardson, Charles A., assignor.)
United Shoe Machinery Corporation. (See Bray, William N., assignor.)
United Shoe Machinery Corporation. (See Cuozzo, Michele, assignor.)
United Shoe Machinery Corporation. (See Robinson, Charles A., assignor.)
United Shoe Machinery Corporation. (See Rollins, Leroy W., assignor.)
United States Rubber Company. (See Howland, Louis H., assignor.)
United States Rubber Company. (See Roberts, Edward F., assignor.)
United States Rubber Company. (See Vamos, Alfred, assignor.)
United States Steel Corporation. (See Henderson, Quintin McG., assignor.)
United States Steel Corporation. (See Sordahl, Louis O., assignor.)
United Wire & Supply Corporation. (See Sullivan, Francis W., assignor.)
Universal Oil Products Company. (See Angell, Charles H., assignor.)
Universal Oil Products Company. (See Gerhold, Clarence G., assignor.)
Univis Corporation, The. (See Heavyside, Stuart J., assignor.)
Urban, Wesley, Jamaica Plain, Mass. Aircraft bomb. 2,184,028; Dec. 19.
Urbany, Urban, San Diego, Calif. Footwear sole. 2,183,899; Dec. 19.
Urschel, William E., Valparaiso, Ind. Apparatus for separating beets from beet leaves. 2,183,631; Dec. 19.
Utility Trailer Manufacturing Company. (See Dunn, Fred P., assignor.)
Vamos, Alfred, Brooklyn, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Stretchable leather shoe. 2,184,261; Dec. 19.
Vander Clute, William W., Elizabeth, N. J. Clothespin. 2,183,730; Dec. 19.
Van der Does de Bije, Anne J. M. A. (See Van der Graaf, George A., assignor.)
Van der Graaf, George A., Voorburg, assignor to Anne J. M. A. van der Does de Bije, The Hague, Netherlands. Flue tube for steam boilers. 2,183,757; Dec. 19.
Van Derhoef, Henry E., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Film forming process and product. 2,183,520; Dec. 19.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Dispensing device. 2,184,172; Dec. 19.
Volt, William J., Los Angeles, and L. C. Weimer, Southgate, Calif., assignors, by mesne assignments, to said W. J. Volt. Inflation valve. 2,183,900; Dec. 19.
Wachsman, Michael, Brooklyn, N. Y. Stop motion for knitting machines. 2,184,107; Dec. 19.
Wacker, Frederick G., et al. (See Zimmerman, Herman W., assignor.)
Wacker, Grace J., et al. (See Zimmerman, Herman W., assignor.)
Wadsworth, Daniel V., and L. Wickenden, Manhasset, assignors to J. J. Naugle, New York, N. Y. Stabilized sugar sirup. 2,183,597; Dec. 19.
Waffen- und Munitionsfabriken Aktiengesellschaft. (See Wolff, Albert, assignor.)
Wagner Electric Corporation. (See Betts, Laurance M., assignor.)
Wahlmark, Gunnar A., Rockford, Ill. Fluid pump. 2,184,133; Dec. 19.
Wald Mfg. Co. (See Pawsat, Ewald F., assignor.)
Walker, Charles, Fayetteville, N. C. Dishwasher. 2,184,204; Dec. 19.
Walker, William B., Roxboro, N. C. Cleaning apparatus. 2,183,758; Dec. 19.
Wallach, Roger N., Briarcliff Manor, N. Y., and W. L. Morgan, Hammond, Ind., assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Article and making the same. 2,183,948; Dec. 19.
Warncke, Hans, Berlin-Suedende, assignor to Klangfilm G. m. b. H., Berlin, Germany. Light stop for sound recording. 2,183,949; Dec. 19.
Warr, Harry E., Wilkinsburg, and E. H. Schwab, Pittsburgh, Pa. Nail-polish remover dispenser. 2,183,662; Dec. 19.
Warren, Joseph A., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Sized paper. 2,183,858; Dec. 19.
Warren, S. D., Company. (See Warren, Joseph A., assignor.)
Washington Co-Operative Egg and Poultry Association. (See Meyer, J. L. G., and Raskie, assignors.)
Watral, Henry J., Astoria, N. Y. Drainer basket. 2,184,245; Dec. 19.
Weaver, Eastman A., Winchester, assignor to Comstock & Westcott, Inc., Boston, Mass. Making color pictures. 2,183,598; Dec. 19.
Weaver, Everett E., Boulder County, Colo. Pocketknife. 2,183,901; Dec. 19.
Weikel, Harley E., Fort Wayne, Ind. Cover or lid for boxes and cases. 2,184,205; Dec. 19.
Weimer, Leith C. (See Volt, W. J., and Weimer.)

Weinberg, Max, Knitting Co. (See Weinberg, Max, assignor.)
Weinberg, Max, New York, assignor to Max Weinberg Knitting Co., Inc., Brooklyn, N. Y. Knitting machine. 2,184,088; Dec. 19.
Welch, Arthur R., Hoquiam, Wash. Making panels. 2,183,599; Dec. 19.
Wellman, Howard C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture apparatus. 2,183,521; Dec. 19.
Wells-Gardner & Company. (See Clark, Jesse H., assignor.)
Welsbacher, Harry G., Canton, Ohio. Combination table. 2,184,206; Dec. 19.
Wendel, Frans B., Waterbury, Conn. Die assembly for forming hollow metal articles. 2,183,702; Dec. 19.
Wenk, Henry L. C., Jr., Jamaica, N. Y. Tagging seal. 2,183,799; Dec. 19.
Werber, Fred C., Philadelphia, Pa. Making combination yarn. 2,183,703; Dec. 19.
Werner, Stanton E., Highland Park, and C. F. Mathisen, Milltown, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Assembly. 2,183,600; Dec. 19.
Western Electric Company. (See Barker, Virgil D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Anderson, Waldemar E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, Bascum O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bostwick, Myron A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kenyon, Alonzo F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pennow, Willis A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ramage, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tornberg, Torsten H., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Signal-selecting system. 2,183,980; Dec. 19.
Whistler, Lawrence V. and S. A., Kenmore, N. Y. Treating and assembling die elements. 2,183,800; Dec. 19.
Whistler, Sanford A. (See Whistler, Lawrence V. and S. A.)
White, George S. J. (See Mendoza. M., and White.)
White, William S., Denver, Colo. Flushing valve. 2,183,601; Dec. 19.
Whitney, Ernest C., Danvers, and J. L. Jones, Billerica, assignors to Stockton Profile Gauge Corporation, Lowell, Mass. Method of and machine for mensuring. 2,184,158; Dec. 19.
Wickenden, Leonard. (See Wadsworth, D. V., and Wickenden.)
Wicklund, Sanford, Whittier, Calif., assignor to Continental Can Company, Inc., New York, N. Y. Supporting and feeding can ends or the like. 2,183,029; Dec. 19.
Wilcox, Harry A., Bronxville, assignor to Automatic Signal Corporation, New York, N. Y. Traffic actuated control system and apparatus. 2,183,780; Dec. 19.
Wildhaber, Ernest, Irondequoit, assignor to Gleason Works, Rochester, N. Y. Method and apparatus for grinding gears. 2,13,759; Dec. 19.
Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Fabricating vinylidene chloride polymers. 2,183,602; Dec. 19.
Wilhelm, Karl, Berlin-Tempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Capacitive coupling arrangement. 2,183,632; Dec. 19.
Wilkinson, James W., and W. Morgan, Leicester, Mass., and T. E. Aldham, Providence, R. I., assignors to Fleming Manufacturing Company. Oil filter. 2,183,877; Dec. 19.
Willis, Elijah J., Morehead City, assignor of one-half to J. B. Frizzelle, Snow Hill, N. C. Animal trap. 2,183,926; Dec. 19.
Wilputte, Louis. (See Potter, Joel S., assignor.)
Wilputte, Louis, New Rochelle, N. Y. Coke oven door. 2,183,704; Dec. 19.
Wilson, James A., and N. S. Hobson, Meriden, assignors to Bard-Parker Company, Inc., Danbury, Conn. Hematological case. 2,183,663; Dec. 19.
Wilson, Robert W., et al. (See Smith, Merton J., assignor.)
Wiltse, Donald T., Great Neck, N. Y. Preparing vegetables. 2,184,246; Dec. 19.
Wingfoot Corporation. (See Lichty, Joy G., assignor.)
Wingfoot Corporation. (See Scott, Winfield, assignor.)
Wingfoot Corporation. (See Sperberg, Lawrence R., assignor.)
Winterhalter, Martin, Morcote-Castello, near Lugano, Switzerland. Apparatus for the manufacture of sliding clasp fasteners. 2,184,265; Dec. 19.
Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller, assignors.)
Wired Radio, Inc. (See Butler, Henry R., assignor.)
Wittel, Otto, and C. J. Hughey, assignors to Eastman Kodak Company, Rochester, N. Y. Antifriction support for a film holder and a driving clutch for motion picture apparatus. 2,183,522; Dec. 19.
Wochinger, Eduard. (See Jauch, E., and Wochinger.)
Wolff, Albert, Berlin-Dahlem, assignor to Deutsche Waffen- und Munitionsfabriken Aktiengesellschaft, Berlin, Germany. Machine for rolling the bases of cartridge cases. 2,184,030; Dec. 19.
Wollenweber, Julius E., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Container fibricating machine. 2,183,927; Dec. 19.
Wood, Donald L., assignor to Eastman Kodak Company, Rochester, N. Y. View finder. 2,183,523; Dec. 19.
Woodall Industries Incorporated. (See Cunnington, George R., assignor.)
Woodard, William E., Forest Hills, N. Y. Locomotive valve gear. 2,183,603; Dec. 19.
Woodruff, Albert E., Oak Park, and A. F. Horlacher, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Transmitter cell. 2,184,064; Dec. 19.
Woodruff, Albert E., Oak Park, and A. F. Horlacher, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Transmitter head set. 2,184,262; Dec. 19.
Wooten, Carrol R., New York, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display device. 2,183,705; Dec. 19.
Worthington Pump and Machinery Corporation. (See Ross, Elmer G., assignor.)
Wright, George M., Woodham Ferrers, England, assignor to Radio Corporation of America. Electron discharge device amplifier. 2,183,731; Dec. 19.
Wurlitzer, Rudolph, Company, The. (See Ebert, E. A., and Gleiser, assignors.)
Wyatt, John L., Savannah, Ga. Artificial minnow. 2,184,031; Dec. 19.
Wyman, Edwin T., Boston, Mass. Pneumatic tube. 2,183,760; Dec. 19.
Yabroff, David L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Removing acid components from hydrocarbon distillates. 2,183,801; Dec. 19.
Yerrick, William D. (See Karlsson, H., and Yerrick.)
Young, Forrest J., Los Angeles, assignor to The National Supply Company, Torrance, Calif. Lubricating device for cross heads. 2,183,878; Dec. 19.
Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Black printer for photomechanical processes. 2,183,524; Dec. 19.
Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Black printer. 2,183,525; Dec. 19.
Z. Pack Corporation. (See Zarotschenzeff, Mikail T., assignor.)
Zarotschenzeff, Mikail T., New York, N. Y., assignor to Z. Pack Corporation, Jersey City, N. J. Frame freezing. 2,183,732; Dec. 19.
Zenner, Walter J. (See Hanke, E. W. F., and Zenner.)
Zimmerman, Herman W., Highland Park, assignor, by mesne assignments, to F. G. and G. J. Wacker, Lake Forest, Ill. Torque measuring wrench. 2,183,633; Dec. 19.
Zimmers, Wilma M., et al. (See Hall, William J., assignor.)
Zizelsberger, Hans, Munich, assignor to F. Deckel, Munich-Prince Ludwigshohe, Germany. Photographic shutter. 2,183,802; Dec. 19.
Zublin, John A., Los Angeles, Calif. Fluid operated drilling bit. 2,184,065; Dec. 19.
Zublin, John A., Los Angeles, Calif. Fluid operated drilling tool. 2,184,066; Dec. 19.
Zublin, John A., Los Angeles, Calif. Drill bit. 2,184,067; Dec. 19.
Zublin, John A., Los Angeles, Calif. Turbine drill bit. 2,184,068; Dec. 19.
Zworykin, Vladimir K., Philadelphia, Pa., assignor to Radio Corporation of America. Radio course indicator. 2,183,634; Dec. 19.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aircraft. E. B. Wilford. Re. 21,306; Dec. 19.
Apparatus for amplifying electrical currents. J. E. Parker. Re. 21,305; Dec. 19.
Ashtray and cigarette extinguisher. E. Harper. Re. 21,303; Dec. 19.
Button fastener. A. Illsche. Re. 21,304; Dec. 19.
Carbon black. W. H. Grote. Re. 21,302; Dec. 19.
Coin selector for vending machines. B. W. Fry and J. Gottfried. Re. 21,301; Dec. 19.

LIST OF PLANT INVENTIONS

Rose. H. A. Verschuren. 350: Dec. 19.

LIST OF DESIGN INVENTIONS

Antenna and mounting, Combined telescopic radio. R. Kopanski. 118,160; Dec. 19.
Apron. A. N. Spánel. 118,218; Dec. 19.
Ashtray and coaster or similar article, Combination. H. P. C. Keuls. 118,158; Dec. 19.
Automobile truck. C. B. Stevens. 118,221; Dec. 19.
Bar, Rolled metal. F. M. Lambert. 118,162; Dec. 19.
Bath, Collapsible stand-supported. A. G. Feldman. 118,113; Dec. 19.
Belt. E. Nassimbene. 118,168; Dec. 19.
Box or similar article. L. Lelong. 118,163; Dec. 19.
Brooch or similar article. C. E. Pauzat. 118,129–30; Dec. 19.
Cabinet, Refrigerator. R. B. Janes. 118,118; Dec. 19.
Cap, Closure. A. H. Jung. 118,157; Dec. 19.
Cape. A. N. Spánel. 118,219; Dec. 19.
Case, Clock. F. Williams. 118,143; Dec. 19.
Chair. D. Powell. 118,138; Dec. 19.
Chair, Folding. W. H. Bond, Jr. 118,185; Dec. 19.
Chopper or the like, Meat. L. Blazey. 118,154; Dec. 19.
Clip or similar article. A. Katz. 118,121; Dec. 19.
Coat. H. Zuckerman. 118,144; Dec. 19.
Coat or similar article, Fireman's safety. H. J. Callahan. 118,109; Dec. 19.
Collar or similar article, Reversible embroidered. H. Bohn. 118,201; Dec. 19.
Compressor or the like, Portable air. A. J. Lotz and G. W. Tammen. 118,165; Dec. 19.
Cover or similar article, Book. C. D. Trussell. 118,191–9; Dec. 19.
Dispenser, Beverage. J. M. Travis and C. G. Jackson. 118,181; Dec. 19.
Display device and music box, Combined. R. Loewy. 118,164; Dec. 19.
Door plate. L. C. Jones. 118,119; Dec. 19.
Dress. S. S. Berkowitz. 118,203; Dec. 19.
Dress. I. Buchholz. 118,202; Dec. 19.
Dress. J. Cohen. 118,223; Dec. 19.
Dress. P. Fracchia. 118,186–7; Dec. 19.
Dress. M. Galowitz. 118,211; Dec. 19.
Dress. F. Grilli. 118,213; Dec. 19.
Dress. B. Kessler. 118,215; Dec. 19.
Dress. J. Rosener. 118,173; Dec. 19.
Dress. B. Sheer. 118,217; Dec. 19.
Dress. W. Skolnick. 118,189; Dec. 19.
Dress. S. Zahn. 118,222; Dec. 19.
Dress ensemble. S. S. Berkowitz. 118,204; Dec. 19.
Dress ensemble. M. Croizat. 118,209–10; Dec. 19.
Dress ensemble. B. Geffen. 118,212; Dec. 19.
Dress ensemble. L. Kline. 118,188; Dec. 19.
Fabric, Knitted. J. Minoff. 118,126; Dec. 19.
Fabric, Knitted. J. Minoff. 118,216; Dec. 19.
Fabric or similar article, Textile. B. B. Spatz. 118,190; Dec. 19.
Fabric, Textile. H. J. Carragher and T. B. Wilson. 118,205–7; Dec. 19.
Fabric, Textile. B. M. Kaufman. 118,214; Dec. 19.
Fabric, Textile. H. Odzer. 118,166; Dec. 19.
Fabric, Textile. A. Tabin. 118,150; Dec. 19.
Fabric, Textile. H. W. Wilde. 118,183; Dec. 19.
Fabric, Tucked textile. M. B. Kaplan. 118,120; Dec. 19.
Flatiron and clothes dampener, Combination. P. J. Fitzgerald. 118,146; Dec. 19.
Font, Printing type. I. Reiner. 118,171; Dec. 19.
Handle, Implement. R. W. Canfield. 118,156; Dec. 19.
Handle, Lawn mower. M. H. Kluter. 118,159; Dec. 19.
Handle or similar article, Drawer. E. W. Dahlgren. 118,110; Dec. 19.
Heater, Space. J. O. Reinecke. 118,170; Dec. 19.
Holder for a salt block. M. F. MacLean. 118,124; Dec. 19.
Inhaler, Nasal. G. E. Wilhelmy. 118,142; Dec. 19.
Lace. B. Edson. 118,112; Dec. 19.
Lamp and bracket, Combined signal. V. Atwood. 118,200; Dec. 19.
Lamp, Combination desk. A. W. Krueger. 118,161; Dec. 19.
Mat. S. Frye. 118,114; Dec. 19.
Memo-apparatus for automobiles. J. R. Otter. 118,167; Dec. 19.
Mill, Coffee. L. Blazey. 118,149; Dec. 19.
Mitt. A. N. Spánel. 118,220; Dec. 19.
Pendant. A. Katz. 118,122; Dec. 19.
Piano. H. R. Heller. 118,116; Dec. 19.
Pump, Air control. M. W. Hartmann. 118,115; Dec. 19
Rack and toilet article container, Combined tie. J. Romano. 118,172; Dec. 19.
Rack, Merchandise display. M. G. Houle. 118,117; Dec. 19.
Rack, Merchandise display. J. Trojan. 118,140; Dec 19.
Rack, Tie. C. E. Daniels. 118,111; Dec. 19.
Radio set, Automotive. G. W. Bill. 118,151; Dec. 19.
Rug. L. Blyn. 118,152–3; Dec. 19.
Rug or similar article. G. V. Uihlein. 118,182; Dec. 19.
Salt and pepper shaker, Combination. H. S. Broude. 118,148; Dec. 19.
Saucer or similar article. A. Langford. 118,123; Dec. 19.
Separator, Centrifugal. L. D. Jones. 118,147; Dec. 19
Sewing machine. N. V. Christensen. 118,208; Dec. 19.
Shoe. J. R. Weyand. 118,141; Dec. 19.
Shoe or similar article. J. C. Marks. 118,125; Dec. 19.
Shoe or similar article. O. M. Pick. 118,131–7; Dec. 19.
Sign and clock, Combined advertising. S. H. Shapiro. 118,145; Dec. 19.
Sled. W. V. Smith. 118,180; Dec. 19.
Spoon or similar article. M. Bernstein. 118,108; Dec. 19.
Stand, Display. T. Rosenak. 118,139; Dec. 19.
Stand for perfume or the like, Display. A. A. Nudell. 118,128; Dec. 19.
Swing, Inflatable water. R. E. Prince. 118,169; Dec. 19.
Switch plate, Wall. E. A. Seward. 118,174–9; Dec. 19.
Tool, Combination kitchen. J. A. Murdock. 118,127; Dec. 19.
Tooth brush. C. M. Bosak. 118,155; Dec. 19.
Trailer. M. A. Zalimeni. 118,184; Dec. 19.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. C. H. Arnold. 2,183,829; Dec. 19.
Acetal resin sheets containing tetrahydrofurfuryl maleate, Polyvinyl. H. B. Smith. 2,184,155; Dec. 19.
Acid components from hydrocarbon distillates, Removing. D. L. Yabroff. 2,183,801; Dec. 19.
Acid, Manufacture of hydrocyanic. C. R. Harris. 2,184,062; Dec. 19.
Adjustable support. H. C. Johansen. 2,183,867; Dec. 19.
Adjustment means, Automatic. O. M. Burkhardt. 2,183,668; Dec. 19.
Aerobic filter. A. A. Page. 2,183,657; Dec. 19.
Age resistor. W. Scott. 2,184,168; Dec. 19.
Agitating and mixing mechanism. W. O. Chace. 2,183,859; Dec. 19.
Air conditioning system. S. M. Anderson. 2,184,110; Dec. 19.
Air conditioning system. P. F. Shivers. 2,183,874; Dec. 19.
Air preheater. H. Karlsson and W. D. Yerrick. 2,183,936; Dec. 19.
Air treating device. A. J. Desautels and L. L. Levesque. 2,183,766; Dec. 19.
Aircraft. D. S. Fahrney. 2,183,555; Dec. 19.
Aircraft. J. M. Gwinn, Jr. 2,183,676; Dec. 19.
Alcohol containing a lower alkyl amyl mixed ether, Denatured. L. J. Figg, Jr., and J. W. Rhea. 2,184,010; Dec. 19.
Alkene sulphides, Production of. W. Coltof. 2,183,860; Dec. 19.
Alkyl esters of leuco dibenzanthrone. O. Stallmann. 2,183,628; Dec. 19.
Alloy: *See*—
Corrosion resistant steel alloy.
Amines, Preparing cyclohexyl. J. A. Bertsch. 2,184,070; Dec. 19.
Amino compounds of the anthraquinone series, Manufacture of. G. Lord and G. Reeves. 2,183,652; Dec. 19.
Amplifier device. F. Kreienfeld. 2,183,748; Dec. 19.
Amplifier, Electron discharge device. G. M. Wright. 2,183,731; Dec. 19.
Amplifier, Resistance-coupled. W. Buschbeck. 2,183,707; Dec. 19.
Ampoule. J. A. Saffir. 2,184,152; Dec. 19.
Anchor, Wall. C. W. Dunlap. 2,183,712; Dec. 19.
Animal trap. E. J. Willis. 2,183,926; Dec. 19.
Annealing cover. C. C. Clark. 2,183,785; Dec. 19.
Antenna, Directional. P. S. Carter. 2,183,784; Dec. 19.
Antirachitic substances, Preparing dietary. J. K. Elderkin and E. Hofman. 2,183,933; Dec. 19.
Apparatus for cutting threads. W. L. Benninghoff. 2,184,136; Dec. 19.
Apparatus for gauging sheet material. D. Buccicone and B. W. Frazier. 2,184,036; Dec. 19.
Apparatus for making roll-forged articles. J. F. Ferm. 2,183,557; Dec. 19.
Apparatus for measuring area. D. C. Stockbarger and J. L. Jones. 2,184,159; Dec. 19.
Apparatus for measuring area. D. C. Stockbarger and J. L. Jones. 2,184,162; Dec. 19.
Apparatus for testing tubular members. C. A. Richardson. 2,183,974; Dec. 19.
Apparatus for the treatment of the skin or the like. V. Sommer, B. R. Roberts, and F. M. Faust. 2,183,726; Dec. 19.
Application machine for insulating material. R. B. Patterson. 2,183,583; Dec. 19.
Area measuring apparatus and method. E. L. Bowles. 2,184,156; Dec. 19.
Area measuring machine. J. L. Jones. 2,184,157; Dec. 19.
Arm rest for motor vehicles. A. P. Fall. 2,184,181; Dec. 19.
Art work. H. Henriksen. 2,184,121; Dec. 19.
Article and making the same. R. N. Wallach and W. L. Morgan. 2,183,948; Dec. 19.
Article sorting, High speed differentially functioning. L. Day. 2,183,606; Dec. 19.
Articles, Method of and apparatus for making. V. D. Barker. 2,183,635; Dec. 19.
Articles under heat and pressure, Producing molded. V. H. Turkington. 2,183,857; Dec. 19.
Assembly. S. E. Werner and C. F. Mathisen. 2,183,600; Dec. 19.
Attachment for grinding machines. H. W. Miller. 2,183,686; Dec. 19.
Attachment for milk pails, Leg-gripping. W. B. Stevens. 2,184,106; Dec. 19.
Attachment for smoking appliances. C. P. Nash, Jr. 2,184,054; Dec. 19.
Automatic draft regulator. J. Schultz. 2,184,228; Dec. 19.

Automatic volume control circuit. D. E. Foster. 2,183,609; Dec. 19.
Automobile jack. J. W. Skroback. 2,184,061; Dec. 19.
Axle, Dual ration drive. L. R. Buckendale. 2,183,667; Dec. 19.
Azo compounds and coloring therewith. J. G. McNally and J. B. Dickey. 2,183,997–9; Dec. 19.
Bags, Apparatus for making paper. F. J. Coty. 2,184,233; Dec. 19.
Bait. J. Swanberg. 2,183,849; Dec. 19.
Ball bearing. C. G. Quick and H. W. Shadrack. 2,184,081; Dec. 19.
Balls, Manufacturing chilled hollow. S. Nakagawa. 2,184,257; Dec. 19.
Basket, Drainer. H. J. Watral. 2,184,245; Dec. 19.
Bath, Heat ray. B. E. Golder. 2,183,883; Dec. 19.
Battery charge responsive means. E. C. McRae. 2,184,193; Dec. 19.
Bearing: *See*—
Ball bearing. Fan bearing.
Beater. H. H. Todd. 2,184,132; Dec. 19.
Beet topping machine. H. V. Shuler. 2,183,779; Dec. 19.
Beets from beet leaves, Apparatus for separating. W. E. Urschel. 2,183,631; Dec. 19.
Belt fastener. H. Koester. 2,183,937; Dec. 19.
Beverage dispensing system with electrical advertising device. W. S. Kearns. 2,183,840; Dec. 19.
Bias transmitter. E. W. F. Hanke and W. J. Zenner. 2,183,613; Dec. 19.
Bicycle. P. F. Meyer. 2,184,244; Dec. 19.
Bit: *See*—
Drill bit. Turbine drill bit.
Drilling bit.
Black printer for photomechanical processes. J. A. C. Yule. 2,183,524; Dec. 19.
Blade, Cutting. C. L. Jeffrey. 2,184,045; Dec. 19.
Blades, Making rib-back. M. Parker and J. W. B. Ladd. 2,184,150; Dec. 19.
Blind, Venetian. C. A. Lemp and L. H. Russell. 2,184,098; Dec. 19.
Blower, Turbine driven. A. Schütte. 2,184,197; Dec. 19.
Bobbin stripping mechanism. D. H. Donahoo. 2,183,863; Dec. 19.
Boilers and accessory devices, Method and apparatus for the operation of steam. C. E. Lucke. 2,184,224; Dec. 19.
Bomb, Aircraft. W. Urban. 2,184,028; Dec. 19.
Bomb tail. C. F. Lambert. 2,184,145; Dec. 19.
Bottle filler, Carbonated water. R. J. Helberg. 2,183,770; Dec. 19.
Box: *See*—
Powder packing box. Shuttle box.
Brake: *See*—
Filter block brake. Nonskidding brake.
Brake. C. L. Miller. 2,184,050; Dec. 19.
Brake arrangement. W. H. Baselt. 2,183,850; Dec. 19.
Brake control mechanism. L. M. Betts. 2,183,803; Dec. 19.
Brake hanger suspension means. M. S. Johnson. 2,184,122; Dec. 19.
Brake system, Hydraulic. W. E. Garrington. 2,184,042; Dec. 19.
Braking indicator. J. H. Sinclair. 2,183,700; Dec. 19.
Broaching machine and work support therefor, Hydraulic. K. C. Monroe. 2,184,052; Dec. 19.
Buffing machine. G. C. Blake and P. C. Smith. 2,184,175; Dec. 19.
Building construction. S. S. Calafati. 2,184,113; Dec. 19.
Building construction. H. A. Myers. 2,183,620; Dec. 19.
Building member, Composite. A. S. Brewer. 2,184,137; Dec. 19.
Bulldozer. W. W. Crilley. 2,183,670; Dec. 19.
Bunsen burner. R. C. Underwood. 2,184,203; Dec. 19.
Burner: *See*—
Bunsen burner. Fluid fuel burner.
Burner construction. W. Trinks. 2,183,596; Dec. 19.
Burner for depitching beer barrels. N. M. Hansen. 2,184,142; Dec. 19.
Bushing and handling same, Rotary table. W. A. Abegg. 2,183,526; Dec. 19.
Butadiene from 1,3-butylene glycol, Production of. M. Mueller-Cunradi and H. Krekeler. 2,184,164; Dec. 19.
Cabinet: *See*—
Printer's type cabinet. Toilet cabinet.
Cabinet and table, Combined motor vehicle service. J. R. King. 2,184,047; Dec. 19.
Call transmitter. J. C. Field. 2,183,713; Dec. 19.
Cam, Adjustable slip. D. V. Ackerman. 2,183,950; Dec. 19.
Camera, Photographic. J. Mihalyi. 2,184,017; Dec. 19.

Camera with exposure meter. L. Goldhammer. 2,183,768; Dec. 19.
Cameras, Attachment for. J. W. McFarlane. 2,184,015; Dec. 19.
Can bodies, Making. J. Brenzinger. 2,183,738; Dec. 19.
Can ends or the like, Supporting and feeding. S. Wicklund. 2,183,029; Dec. 19.
Can washer. H. Mondloch. 2,184,100; Dec. 19.
Cane. R. H. Savage. 2,183,975; Dec. 19.
Car supporting construction. E. J. Sattler. 2,184,021; Dec. 19.
Carburetor mechanism. R. G. Berry. 2,183,636; Dec. 19.
Cards, Method and apparatus for making color. S. H. Smith. 2,183,797; Dec. 19.
Carrier and gripper for bag filling machines. A. S. Chandler. 2,184,178; Dec. 19.
Carrier and mounting therefor. E. F. Pawsat. 2,183,822; Dec. 19.
Carrier wave receiving installation, Modulated. A. A. Linsell. 2,183,718; Dec. 19.
Carton assembling machine. N. A. Anderson. 2,183,951; Dec. 19.
Carton, Chain cell. C. H. Lowe. 2,184,014; Dec. 19.
Case: *See*—
Hematological case.
Casein, Manufacture of. L. C. Pagel. 2,184,002; Dec. 19.
Cases such as cartridge cases, Production of tubular metal. O. Biginelli. 2,183,637; Dec. 19.
Caster, Swivel. M. E. Dayton. 2,184,038; Dec. 19.
Cellulose, Manufacture of. H. Dreyfus. 2,183,643; Dec. 19.
Centrifuge for chemical reactions. H. Argant, H. Chanay, and G. Robatel. 2,184,033; Dec. 19.
Chain: *See*—
Cutter chain.
Chain links, Making antiskid tire. J. R. Reyburn. 2,184,127; Dec. 19.
Chamfering machine. J. M. Christman. 2,184,232; Dec. 19.
Check-pad holder. E. A. Haveles. 2,183,810; Dec. 19.
Cigarettes, Conveyance of. C. Best. 2,183,664; Dec. 19.
Circuit: *See*—
Automatic volume control circuit. Converter harmonic reduction circuit.
Circuit controlling device. H. F. Obergfell. 2,184,101; Dec. 19.
Circuit controlling system. T. F. Pike. 2,183,775; Dec. 19.
Circuit interrupter. G. F. McMahon and A. Ramsey. 2,183,751; Dec. 19.
Clamp: *See*—
Hose clamp. Wire line clamp.
Clamp for grounding electrical equipment. W. T. Kahliff. 2,183,680; Dec. 19.
Clasp and shirt brace, Combination collar. F. C. O'Keefe. 2,184,055; Dec. 19.
Cleaner: *See*—
Pipe cleaner. Suction cleaner.
Cleaning apparatus. W. B. Walker. 2,183,758; Dec. 19.
Clip. A. Mouw. 2,183,843; Dec. 19.
Closure and making same, Container. H. V. Owens. 2,183,691; Dec. 19.
Closure device for collapsible tubes. E. Isler. 2,183,912; Dec. 19.
Closure for concrete mixing drums. J. P. Faber. 2,184,251; Dec. 19.
Cloth, Framed pastry. E. S. Gandrud. 2,183,767; Dec. 19.
Clothespin. W. W. Vander Clute. 2,183,730; Dec. 19.
Clutch. C. B. Spase. 2,184,005; Dec. 19.
Clutch mechanism. P. H. Batten. 2,184,135; Dec. 19.
Coke oven door. L. Wilputte. 2,183,704; Dec. 19.
Color demonstration apparatus. M. F. Patterson. 2,184,125; Dec. 19.
Color photography. M. W. Seymour. 2,184,022; Dec. 19.
Color transmission. M. K. Goldstein. 2,184,075; Dec. 19.
Combination receptacle. H. B. Dickson. 2,183,807; Dec. 19.
Combination table. H. G. Welsbacher. 2,184,206; Dec. 19.
Commodities, Treatment of. R. Killingstad. 2,183,915; Dec. 19.
Compositions prepared from amylaceous substances. H. F. Bauer. 2,183,736; Dec. 19.
Compounds of the dibenzanthrone series. O. Stallmann. 2,183,626–7; Dec. 19.
Compounds of the dibenzanthrone series. O. Stallmann. 2,183,629–30; Dec. 19.
Condensation products of hydrolized protein material and their manufacture. G. Meyer. 2,183,856; Dec. 19.
Condenser: *See*—
Electrical condenser.
Conductor, Electrical. H. F. Silliman. 2,183,592; Dec. 19.
Connector: *See*—
Knitting needle connector. Separable electrical connector.
Multiple contact connector.
Container: *See*—
Folding container. Sheet metal container.
Freight container. Shipping container.
Container. J. F. Peters. 2,183,585; Dec. 19.
Container. R. C. Taylor. 2,183,595; Dec. 19.
Container fabricating machine. J. E. Wollenweber. 2,183,927; Dec. 19.
Control apparatus. J. T. Marvin and E. D. Raney. 2,183,967; Dec. 19.
Control apparatus. E. C. Raney. 2,183,973; Dec. 19.
Control device. W. S. Landon. 2,183,854; Dec. 19.
Control device for sheet feeding apparatus. G. Spiess. 2,184,229; Dec. 19.
Control for aircraft, Automatic trim. B. G. Carlson. 2,183,932; Dec. 19.
Control switch. T. P. Miller. 2,183,653; Dec. 19.
Control system and apparatus, Traffic actuated. H. A. Wilcox. 2,183,780; Dec. 19.
Converter harmonic reduction circuit. D. E. Foster. 2,183,610; Dec. 19.
Cooling means for picker spindles. R. G. Turner. 2,184,027; Dec. 19.
Cooling system, House. R. S. Nelson. 2,183,821; Dec. 19.
Cooling unit. B. Spieth. 2,183,593; Dec. 19.
Copper compounds of primary resorcinol trisazo-dyestuffs and their manufacture. F. Dobler and H. Buess. 2,183,673; Dec. 19.
Cord rod packing machine. J. M. Binder. 2,183,928; Dec. 19.
Corn husker and shredder. H. L. and A. Rosenthal. 2,184,083; Dec. 19.
Corrosion resistant steel alloy. R. Franks. 2,183,715; Dec. 19.
Counter rack. S. Bloomfield. 2,183,805; Dec. 19.
Counterbalance, Counterrotating. C. I. Thomas. 2,184,200; Dec. 19.
Coupling. R. D. Colgrove. 2,183,546; Dec. 19.
Coupling. J. P. Eastman. 2,184,116; Dec. 19.
Coupling. T. W. Reed. 2,183,895; Dec. 19.
Coupling and supporting structure, Combined. W. J. Bargen. 2,184,173; Dec. 19.
Coupling apparatus. F. P. Dunn. 2,183,990; Dec. 19.
Coupling arrangement, Capacitive. K. Wilhelm. 2,183,632; Dec. 19.
Coupling for toy trains, Automatic. A. Erb. 2,183,608; Dec. 19.
Coupling structure. G. J. Henry. 2,183,614; Dec. 19.
Couplings, Making flexible shaft. M. L. Fykse. 2,184,183; Dec. 19.
Cover: *See*—
Annealing cover. Seat cover.
Cover or lid for boxes and cases. H. E. Weikel. 2,184,205; Dec. 19.
Crusher, Gyratory. R. S. Ellis. 2,184,214; Dec. 19.
Crusher, Stone. G. H. Schieferstein. 2,183,698; Dec. 19.
Cuff link. A. Sudmann. 2,184,230; Dec. 19.
Cultivator attachment. J. L. Croy. 2,184,211; Dec. 19.
Current responsive apparatus. G. Lingg. 2,183,685; Dec. 19.
Current responsive instrument, Propulsion-attraction type. S. C. Hoare. 2,183,566; Dec. 19.
Current to electric arcs, Method and apparatus for supplying alternating. C. S. Ashcraft. 2,183,734; Dec. 19.
Cutter: *See*—
Milling cutter.
Cutter chain. C. F. Osgood. 2,183,581; Dec. 19.
Cutter with a removable handle, Pipe. C. E. Carlsen. 2,184,114; Dec. 19.
Cutting and welding machine. J. H. Bucknam and A. J. Miller. 2,183,605; Dec. 19.
Cyclic compounds, Preparation of unsaturated. A. A. Levine and O. W. Cass. 2,183,574; Dec. 19.
Cyclopentanoperhydrophenanthrene series, Preparing compounds of the. M. Bockmühl, G. Ehrhart, H. Ruschig, and W. Aumüller. 2,183,851; Dec. 19.
Decalcomania transfer. F. Hart. 2,184,077; Dec. 19.
Decapper, Collar. R. E. Reardon. 2,183,588; Dec. 19.
Decompression device. E. H. Godfrey. 2,183,558; Dec. 19.
Defroster, Windshield. P. and T. Fischer. 2,183,907; Dec. 19.
Dehydrogenation of organic compounds, Catalytic. H. P. A. Groll and J. Burgin. 2,184,235; Dec. 19.
Dehydrogenation process. H. P. A. Groll and J. Burgin. 2,184,234; Dec. 19.
Dental instrument. B. S. Ostrom. 2,183,690; Dec. 19.
Dental instrument. S. L. Steiner. 2,184,105; Dec. 19.
Derivatives of compounds of the suprarenal cortical hormone series and making same. T. Reichstein and E. Schlittler. 2,183,589; Dec. 19.
Detasseling machine. P. Seeber. 2,184,198; Dec. 19.
Device for eliminating differences in register. G. Heinrich. 2,184,218; Dec. 19.
Device for the recovery of carbon dioxide gas. G. T. Reich. 2,183,943; Dec. 19.
Die assembly for forming hollow metal articles. F. B. Wendel. 2,183,702; Dec. 19.
Die elements, Treating and assembling. L. V. and S. A. Whistler. 2,183,800; Dec. 19.
Diesel engine, Double-acting two-cycle. C. G. Curtis. 2,184,093; Dec. 19.
Dispenser: *See*—
Nail-polish remover dispenser. Tape dispenser.
Dispenser. W. Kappenberg. 2,184,253; Dec. 19.

Dispensing device. W. M. Venable. 2,184,172; Dec. 19.
Display device. C. R. Wooten. 2,183,705; Dec. 19.
Display sign. B. N. Reamer. 2,183,942; Dec. 19.
Dishwasher. C. Walker. 2,184,204; Dec. 19.
Door: *See*—
Coke oven door.
Door. D. J. Seaman. 2,184,259; Dec. 19.
Door check. R. I. Schonitzer. 2,184,201; Dec. 19.
Door closer. L. Cornwell. 2,183,640; Dec. 19.
Door closing and checking device. W. F. Moore. 2,184,264; Dec. 19.
Door frame construction. F. F. Bell and E. E. Green. 2,183,879; Dec. 19.
Door machinery, Coke oven. J. S. Potter. 2,183,753; Dec. 19.
Double-acting check valve. G. M. Deming. 2,183,709; Dec. 19.
Dough cutting machine. H. N. Rasch. 2,183,693; Dec. 19.
Drilling bit. T. H. Stancliff. 2,184,129; Dec. 19.
Drill bit. J. A. Zublin. 2,184,067; Dec. 19.
Drilling bit, Fluid operated. J. A. Zublin. 2,184,065; Dec. 19.
Drilling tool. J. A. Zublin. 2,184,066; Dec. 19.
Drink mixer. G. D. Ruetz. 2,184,085; Dec. 19.
Driving mechanism. J. W. Allen. 2,184,032; Dec. 19.
Dust gun. M. E. Lusk, Jr. 2,184,191; Dec. 19.
Dyeing. P. Schlack. 2,183,754; Dec. 19.
Dyestuffs of the naphthalene series. R. Robl. 2,183,870–1; Dec. 19.
Dyestuffs of the anthraquinone series, Vat. O. Schlichting and K. Koeberle. 2,183,873; Dec. 19.
Dynamo-electric machines, Operation of. A. F. Kenyon. 2,183,993; Dec. 19.
Dynamo plant, Prime mover. R. M. Heintz. 2,184,236; Dec. 19.
Educational apparatus. R. E. Harris. 2,184,120; Dec. 19.
Eduction device. J. N. Burdick and E. E. Sommer. 2,183,639; Dec. 19.
Eggs and apparatus for carrying out said process, Preserving. J. L. G. Meyer and J. V. Raskie. 2,184,063; Dec. 19.
Electric motor. G. Dalkowitz. 2,183,549; Dec. 19.
Electric switch. J. A. Pitsch. 2,183,892; Dec. 19.
Electrical condenser. A. Deutschmann. 2,183,550; Dec. 19.
Electrical indicator and control means for impurities in solution. B. Pedersen. 2,183,584; Dec. 19.
Electrode holder. W. A. Robb. 2,183,846; Dec. 19.
Electrolytic device. P. Robinson and J. L. Collins. 2,183,776; Dec. 19.
Elevator for shoes, Insertable adjustable height increasing. J. Burger. 2,184,210; Dec. 19.
Emery board and assembled unit of the same. M. T. Brekke. 2,183,930; Dec. 19.
Emulsion, Direct positive. J. A. Leermakers. 2,184,013; Dec. 19.
Engine: *See*—
Diesel engine.
Internal combustion engine.
Engine using hydrogen as fuel, Internal combustion. R. A. Erren. 2,183,674; Dec. 19.
Esters of cellulose containing dicarboxylic acid groups, Manufacture of mixed. L. W. Blanchard, Jr., and C. L. Crane. 2,183,982; Dec. 19.
Esters, Polymerization of vinyl. A. W. Downes. 2,183,642; Dec. 19.
Ether acid compounds containing a higher aliphatic group, Polyoxyalkylene. H. Haussmann, W. Scheufler, and J. Kaupp. 2,183,853; Dec. 19.
Ethylene polymer, Halogenated solid. E. W. Fawcett. 2,183,556; Dec. 19.
Exothermic mixture. F. Racen and W. M. Bruner. 2,183,587; Dec. 19.
Exploration for buried deposits. L. Horvitz. 2,183,964; Dec. 19.
Extensometer device. Q. M. Henderson. 2,183,909; Dec. 19.
Extraction, Process and apparatus for. A. G. Hamilton and E. C. Perkins. 2,183,837; Dec. 19.
Eyes, Treating. E. A. Taylor. 2,184,131; Dec. 19.
Fabric making. J. F. X. Harold. 2,184,041; Dec. 19.
Fabrics, Manufacture of elastic. F. F. Schwartz. 2,184,153; Dec. 19.
Fabricated structure. K. V. Hart. 2,183,563; Dec. 19.
Face lifting device. S. MacDonald. 2,184,099; Dec. 19.
Fan bearing. W. Earl. 2,184,213; Dec. 19.
Fan, Oscillating. T. H. Tornberg. 2,183,979; Dec. 19.
Fastener: *See*—
Belt fastener.
Fastener member and fastener installation. W. H. Churchill. 2,184,249; Dec. 19.
Fasteners, Apparatus for the manufacture of sliding clasp. M. Winterhalter. 2,184,265; Dec. 19.
Fastening pulling machine. C. A. Robinson. 2,183,695; Dec. 19.
Filling machine of the continuous variety. P. R. Fechheimer. 2,184,117; Dec. 19.
Film control member for a film magazine. J. H. S. Parker and D. H. Stewart. 2,184,003; Dec. 19.
Film forming process and product. H. E. Van Derhoef. 2,183,520; Dec. 19.
Film splice, Sound. R. S. Sumner. 2,183,947; Dec. 19.
Filter: *See*—
Aerobic filter.
Fuel filter.
Oil filter.
Vacuum cleaner filter.
Filter for purifying liquids or gases. P. Belyavin. 2,184,243; Dec. 19.
Filtering or dewatering. G. H. Rupp and P. M. Frantz. 2,183,896; Dec. 19.
Fire escape device. L. Androsiglio. 2,183,953; Dec. 19.
Fish lure. C. D. Lovelace. 2,183,816; Dec. 19.
Fishing reel. W. D. Marr. 2,184,149; Dec. 19.
Fishing reel. C. T. Pflueger. 2,184,242; Dec. 19.
Fishing rod holder. B. A. McCline and B. N. Kyser. 2,184,192; Dec. 19.
Flashing structure. J. A. Buick. 2,184,092; Dec. 19.
Flier block brake. W. W. Tew. 2,183,756; Dec. 19.
Flooring. C. W. Leguillon. 2,184,146; Dec. 19.
Fluid fuel burner. W. S. Gordon, Jr. 2,183,836; Dec. 19.
Fluid heater. N. C. Price. 2,183,893; Dec. 19.
Fluid pressure control system. S. M. Parker. 2,184,057; Dec. 19.
Fluid pump. G. A. Wahlmark. 2,184,133; Dec. 19.
Fluorspar, Sintering finely divided. R. W. Hyde. 2,184,078; Dec. 19.
Flushing valve. W. S. White. 2,183,601; Dec. 19.
Folding container. R. W. Krout. 2,183,681; Dec. 19.
Force feed lubricator. E. O. Corey. 2,183,986; Dec. 19.
Form tie extracting means. S. S. Colt. 2,183,806; Dec. 19.
Forming tool. T. F. Saffady. 2,183,796; Dec. 19.
Frame freezing. M. T. Zarotschenzeff. 2,183,732; Dec. 19.
Frame structure, Door and window. R. I. and H. A. Myers. 2,183,619; Dec. 19.
Freewheeling device. J. Christian. 2,184,071; Dec. 19.
Frequency-responsive network. R. L. Freeman. 2,184,072; Dec. 19.
Freight container. D. W. Perin. 2,183,794; Dec. 19.
Froth, Method and apparatus for destroying. J. O. Naudé. 2,184,195; Dec. 19.
Fruit, Apparatus and process of packaging. D. O. Lane. 2,183,888; Dec. 19.
Fruit, Coloring. K. H. Klipstein. 2,184,237; Dec. 19.
Fruit, Method and material for treating. W. W. Bennett. 2,183,981; Dec. 19.
Fruit press. S. Bloomfield. 2,183,804; Dec. 19.
Fruits and foodstuffs, Method and apparatus for classification of. J. M. Hait. 2,183,884; Dec. 19.
Fuel economizer for gas engines. A. J. Dodge. 2,184,141; Dec. 19.
Fuel feeding system. E. C. Phillips, L. L. Aspelin, and R. E. Grey. 2,183,586; Dec. 19.
Fuel filter. A. C. Korte. 2,183,616; Dec. 19.
Furs, Dyeing of. M. Mendoza and G. S. J. White. 2,183,752; Dec. 19.
Fuse. H. A. Triplett. 2,183,728; Dec. 19.
Fuse construction. H. A. Triplett. 2,183,729; Dec. 19.
Fuse lead construction for electric lamps. W. E. Anderson. 2,183,952; Dec. 19.
Galvanizing machine. E. A. Matteson and B. P. Finkbone. 2,183,890; Dec. 19.
Galvanometer, Multiple. C. A. Heiland. 2,183,934; Dec. 19.
Game, Racing. T. T. Hill. 2,183,771; Dec. 19.
Gardening implement. A. M. Guynn. 2,184,217; Dec. 19.
Gas, Making high British thermal units carbureted water. L. E. Osmer and W. Tiddy. 2,183,845; Dec. 19.
Gas washing apparatus. C. M. Gerhold. 2,184,185; Dec 19.
Gate and latch, Elevator. T. Patin. 2,183,582; Dec. 19.
Gate for railroads, Highway and stock. J. S. Bretz. 2,184,207; Dec. 19.
Gauge: *See*—
Pressure gauge.
Gear: *See*—
Locomotive valve gear.
Gears, Method and apparatus for grinding. E. Wildhaber. 2,183,759; Dec. 19.
Generator: *See*—
Mechanical foam generator.
Getter, Multiple. G. L. King. 2,183,841; Dec. 19.
Glass bodies, Manufacturing multilayer hollow. H. Fischer. 2,183,961; Dec. 19.
Glass cutting machine. G. A. Philippe. 2,184,126; Dec. 19.
Goods treating machine and unloading means therefor. F. W. A. Henrici. 2,183,910; Dec. 19.
Grate for sawdust burners. E. H. Johnson. 2,183,648; Dec. 19.
Grinding machine. R. E. Flanders. 2,184,011; Dec. 19.
Grinding machine. A. R. Johnson. 2,183,914; Dec. 19.
Grounding device for coaxial conductor lines. L. R. Schreiner. 2,183,945; Dec. 19.
Guard, Saw. E. W. Griebling. 2,183,675; Dec. 19.
Guide for rolling mills and other machines. W. J. Glenn. 2,184,118; Dec. 19.
Guide holder for writing implements. V. J. Tizio. 2,184,130; Dec. 19.
Guitar. J. W. Neal. 2,183,579; Dec. 19.
Hacksaw. T. Chucto. 2,183,669; Dec. 19.

Hair, Cold permanent waving of. D. J. Pye. 2,183,894; Dec. 19.
Hair net. S. Henry. 2,183,963; Dec. 19.
Halo-benzenes, Alkylated poly-isoproyl. R. R. Dreisbach and G. B. Heusted. 2,183,552; Dec. 19.
Hamburger press. F. M. Miller. 2,184,080; Dec. 19.
Hammer, Rotary. J. P. Brooks. 2,183,880; Dec. 19.
Hand tool. A. R. Erickson. 2,183,960; Dec. 19.
Hand tool. E. W. Gent. 2,184,074; Dec. 19.
Handle for automobiles, Emergency brake. A. L. Johnson. 2,183,772; Dec. 19.
Hasp and latch, Combined. W. D. Ferris. 2,183,834; Dec. 19.
Heat exchange apparatus. F. O. Campbell and G. W. Nigh. 2,183,956; Dec. 19.
Heater: *See*—
Fluid heater.
Oil heater.
Heating and air conditioning apparatus. R. E. Daly and B. Goerg. 2,184,095; Dec. 19.
Heating and ventilating system. E. L. Mayo. 2,183,996; Dec. 19.
Helmet, Safety. H. R. Heilstedt and S. D. Jackson. 2,184,043; Dec. 19.
Hematological case. J. A. Wilson and N. S. Hobson. 2,183,663; Dec. 19.
Hinge pin pusher. S. Mandl. 2,183,842; Dec. 19.
Hitch, Floating tractor. E. P. Hoepfner. 2,184,044; Dec. 19.
Hoist or movable scaffold, Portable hydraulic. D. R. Hillis. 2,183,679; Dec. 19.
Hoisting apparatus. A. J. Chantry. 2,183,542; Dec. 19.
Holder: *See*—
Check-pad holder.
Electrode holder:
Fishing rod holder.
Key holder.
Supporter and cravat holder.
Holder and carriage for photographic lettering machines, Plate. A. T. Koppe. 2,184,221; Dec. 19.
Holder and dentifrice dispenser, Sanitary tooth brush. K. K. Davidson. 2,184,212; Dec. 19.
Hood and chute for grinding machines, Reversible. H. J. Mankoff. 2,184,123; Dec. 19.
Hood construction. W. J. Hall. 2,183,809; Dec. 19.
Hood latch. A. E. Peterson. 2,183,621; Dec. 19.
Hormones by fermentative reduction, Manufacture of dihydrofollicle. W. Schoeller. 2,184,167; Dec. 19.
Hose clamp. A. L. Dold. 2,183,551; Dec. 19.
Hose locking mechanism for dispensing pumps. H. E. Kampf. 2,184,079; Dec. 19.
Hub and blade structure, Fan. E. Newnham. 2,183,891; Dec. 19.
Humidifying apparatus. R. E. Daly and B. Goerg. 2,184,094; Dec. 19.
Hydraulic shock absorber valve. C. W. Gerhardt. 2,184,184; Dec. 19.
Hydrocarbons, Treatment of. W. A. Schulze. 2,183,591; Dec. 19.
Ice creeper. C. J. Derwing. 2,183,988; Dec. 19.
Ignition systems, Mechanism for testing. A. C. Muller. 2,184,124; Dec. 19.
Index mechanism. C. J. Green. 2,183,864; Dec. 19.
Indicator: *See*—
Braking indicator.
Radio course indicator.
Indicator for vehicles, Direction turn. C. M. Roan, O. E. Kaupang, and A. W. Rohlen. 2,183,622; Dec. 19.
Inflation valve. W. J. Volt and L. C. Weimer. 2,183,900; Dec. 19.
Inking mechanism for printing machines. F. G. Lougee and A. J. Horton. 2,183,720; Dec. 19.
Insulation material, Electrical. E. C. Homan. 2,183,811; Dec. 19.
Insulation material, Laminated thermoplastic. G. R. Cunnington. 2,184,139–40; Dec. 19.
Insulation testing. R. W. Thornally. 2,183,898; Dec. 19.
Interference eliminator. E. Franke and W.-F. Ewald. 2,183,714; Dec. 19.
Internal combustion engine. F. C. Alarie. 2,183,527; Dec. 19
Jack: *See*—
Automobile jack.
Jack. J. W. Mead. 2,183,917; Dec. 19.
Joint and apparatus for making it, Threaded. W. M. Frame. 2,183,644; Dec. 19.
Joint construction, Paving. V. V. Malcom. 2,184,148; Dec. 19.
Juices derived from plants of the cashew family, Desensitizing. M. B. Cayo. 2,183,957–8; Dec. 19.
Key holder. A. W. Lindquist. 2,183,994; Dec. 19.
Knife grinding machine. F. L. Mautz. 2,183,995; Dec. 19.
Knife-sharpening mechanism for cutting machines. F. J. Clark. 2,183,786–7; Dec. 19.
Knife-sharpening mechanism for cutting machines. F. J. Clark and C. F. Hilgeman. 2,183,788; Dec. 19.
Knitted wear. R. E. Davis, Jr. 2,183,862; Dec. 19.
Knitting machine. K. R. Lieberknecht. 2,183,575; Dec. 19.
Knitting machine. B. and J. Lippman. 2,183,719; Dec. 19.
Knitting machine. M. Weinberg. 2,184,088; Dec. 19.
Knitting needle connector. W. H. R. Dunn. 2,183,791; Dec. 19.
Lamp manufacture. J. H. Ramage. 2,183,972; Dec. 19.
Lasting machine. W. N. Bray. 2,183,666; Dec. 19.
Latch: *See*—
Hood latch.
Latch mechanism. W. C. Devereaux. 2,183,672; Dec. 19.
Latching mechanism. W. S. Saunders. 2,184,086; Dec. 19.
Lawn trimming tool. P. Broward, Sr. 2,184,034; Dec. 19.
Leader for fly-fishing. H. H. Hildebrandt. 2,184,187; Dec. 19.
Lens. S. J. Heavyside. 2,183,885; Dec. 19.
Lens attachment. C. Ort. 2,184,018; Dec. 19.
Let-off for looms. O. V. Payne. 2,184,059; Dec. 19.
Letter proportion varying device. H. A. Horman. 2,184,223; Dec. 19.
Light: *See*—
Runway marker light.
Light. J. L. Brown and B. S. Horton. 2,184,208; Dec. 19.
Light for oil burners, Pilot. D. H. Lapointe. 2,183,749; Dec. 19.
Light stop for sound recording. H. Warncke. 2,183,949; Dec. 19.
Lighter. R. B. Bass. 2,183,706; Dec. 19.
Lighting fixture. D. H. Holden. 2,183,647; Dec. 19.
Lignite and producing the same. E. P. Schoch. 2,183,924; Dec. 19.
Liner, Shoe, Safety. G. W. Moore. 2,183,654; Dec. 19.
Lining and beveling machine. V. E. Royle. 2,184,128; Dec. 19.
Linkage system. W. L. Sutton. 2,184,260; Dec. 19.
Liquid coating composition. J. E. Flint. 2,184,182; Dec. 19.
Liquid dispensing valve. H. J. Meyer. 2,184,194; Dec. 19.
Liquid feed apparatus. M. J. Smith. 2,183,875; Dec. 19.
Liquids, Stabilizing volatile. P. D. Barton, K. Finsterbusch, and N. M. Floyd. 2,183,604; Dec. 19.
Lock: *See*—
Nut and bolt lock.
Permutation lock.
Lock for signature printing machines. E. Persson. 2,183,919; Dec. 19.
Locomotive. O. Jabelmann. 2,183,913; Dec. 19.
Locomotive valve gear. W. E. Woodard. 2,183,603; Dec. 19.
Loudspeaker. J. F. Blackburn. 2,183,528; Dec. 19.
Lubricating device for cross heads. F. J. Young. 2,183,878; Dec. 19.
Lubricator: *See*—
Force feed lubricator.
Needle lubricator.
Machine for clearing out pipe. J. O. Magruder. 2,183,618; Dec. 19.
Machine for hand seaming in vacuum. G. L. Ardron. 2,183,903; Dec. 19.
Machine for producing molded fibrous pulp articles. W. H. Randall and F. C. Harper. 2,183,869; Dec. 19.
Machine for pulling standing flax or other like plants. M. A. Soenens. 2,183,946; Dec. 19.
Machine for rolling the bases of cartridge cases. A. Wolff. 2,184,030; Dec. 19.
Magazine ejectors. H. N. Fairbanks. 2,183,529; Dec. 19.
Magnet, Tank. H. G. Stephan. 2,184,199; Dec. 19.
Mat, Process and apparatus for a formed. H. S. Campbell. 2,183,984; Dec. 19.
Material, Apparatus for placing cementitious. B. C. Collier. 2,183,547; Dec. 19.
Measuring, Method of and machine for. E. C. Whitney and J. L. Jones. 2,184,158; Dec. 19.
Mechanical foam generator. C. M. Hamblin. 2,183,561; Dec. 19.
Mechanism and method for cutting blanks for neckties. M. M. Newman. 2,183,722; Dec. 19.
Metal extrusion machine. P. Dunsbeath. 2,183,959; Dec. 19.
Metal, Stretching sheet. E. W. McKinney. 2,183,969; Dec. 19.
Metals with aromatic hydrocarbons, Reacting alkali. N. D. Scott. 2,183,847; Dec. 19.
Metallic dispensing receptacle. H. W. Rueger. 2,184,227; Dec. 19.
Meter construction. F. Kurz. 2,183,617; Dec. 19.
Microphone apparatus. B. Baumzweiger. 2,184,247; Dec. 19.
Milling cutter. E. A. Robbins. 2,183,922; Dec. 19.
Minnow, Artificial. J. L. Wyatt. 2,184,031; Dec. 19.
Mixer: *See*—
Drink mixer.
Mixing device. C. A. McDuffee and T. W. Creech. 2,184,225; Dec. 19.
Modulation control system. O. E. Keall. 2,183,717; Dec. 19.
Modulator system. H. O. Peterson. 2,183,795; Dec. 19.
Moisture distributing mechanism for printing machines. W. F. Huck. 2,183,558; Dec. 19.
Molding and like fastener and installation thereof. J. Kral. 2,184,255; Dec. 19.
Molding apparatus. C. Sopchack. 2,183,977; Dec. 19.
Mothproofing and mothproofed material. W. Lowe. 2,184,147; Dec. 19.
Motor: *See*—
Electric motor.
Motor control system. B. O. Austin. 2,183,762; Dec. 19.

Mount, Transparency. H. C. Staehle. 2,184,007; Dec. 19.
Mounting for electrical devices, Wall. R. N. Rowe. 2,183,872; Dec. 19.
Mounting for radio condensers. J. H. Clark. 2,183,985; Dec. 19.
Mower. R. D. Clemson. 2,183,545; Dec. 19.
Multiple contact connector. A. L. Langston and J. I. MacDonald. 2,183,651; Dec. 19.
Multiple spindle machine tool. C. A. Hoefer. 2,183,743; Dec. 19.
Nail-polish remover dispenser. H. E. Warr and E. H. Schwab. 2,183,662; Dec. 19.
Needle for woven and knitted goods, Relooping. B. H. Gostkowski. 2,183,716; Dec. 19.
Needle lubricator. E. Stein. 2,183,659; Dec. 19.
Network, Attenuation. J. P. Smith, Jr. 2,184,104; Dec. 19.
Nonskidding brake. A. P. Aulicino. 2,183,954; Dec. 19.
Nut and bolt lock. W. E. Isle. 2,183,814; Dec. 19.
Nuts, Attaching clinch. P. E. Double. 2,183,641; Dec. 19.
Off-centering device for lens grinding machines. E. Grasser. 2,183,962; Dec. 19.
Oil control device. R. W. Johnson. 2,183,815; Dec. 19.
Oil, Desulphurizing. U. B. Bray. 2,183,782; Dec. 19.
Oil filter. J. W. Wilkinson, W. Morgan, and T. E. Aldham. 2,183,877; Dec. 19.
Oil heater. M. Horns. 2,183,812; Dec. 19.
Oil, Lubricating. U. B. Bray. 2,183,783; Dec. 19.
Oil, Spray. U. B. Bray. 2,183,781; Dec. 19.
Oil, Treating. T. F. McCormick and A. Lazar. 2,183,968; Dec. 19.
Oils and gases, Treatment of hydrocarbon. C. G. Gerhold. 2,184,096; Dec. 19.
Oils, Decolorizing. E. W. Rembert. 2,183,590; Dec. 19.
Oils, Treatment of hydrocarbon. C. H. Angell. 2,184,069; Dec. 19.
Opaque materials for X-ray and radium work or the like. E. R. Dillehay and G. M. McFedries. 2,183,790; Dec. 19.
Optical effects, Method and apparatus for producing. G. H. Corey. 2,184,138; Dec. 19.
Orchard heating apparatus. C. H. Ames. 2,184,109; Dec. 19.
Ore and like concentrator. W. L. Opie. 2,184,226; Dec. 19.
Ores, Apparatus for flotation concentration of. H. W. Coke. 2,184,115; Dec. 19.
Ornamenting machine. E. C. Klattie. 2,184,165; Dec. 19.
pH meter. D. K. Allison. 2,183,531; Dec. 19.
Package for a length of tubular material. F. W. Sullivan. 2,183,876; Dec. 19.
Package for explosives. F. J. Rape. 2,184,166; Dec. 19.
Packing material, Composite. G. E. Schwarz. 2,184,087; Dec. 19.
Pane holding device and the like, Window. L. Lamer. 2,183,683; Dec. 19.
Panels, Making. A. R. Welch. 2,183,599; Dec. 19.
Paper, Carbon. A. K. Ohashi. 2,183,580; Dec. 19.
Paper making apparatus. C. W. Howard. 2,184,189; Dec. 19.
Paper, Pregummed hanging. H. F. Bauer. 2,183,532; Dec. 19.
Paper, Sized. J. A. Warren. 2,183,858; Dec. 19.
Paper, Treating. F. De Witt. 2,183,711; Dec. 19.
Parachute training and amusement device. J. H. Strong. 2,183,594; Dec. 19.
Pedal drive, particularly for cycles. F. Lienhard. 2,184,049; Dec. 19.
Peepers. T. D. Blue. 2,183,665; Dec. 19.
Pens, and strip for pen blanks, Making. D. Kahn. 2,183,572; Dec. 19.
Pens, Production of. D. Kahn. 2,183,573; Dec. 19.
Permutation lock. J. A. Eden and P. Chase. 2,183,792; Dec. 19.
Photographic antihalation layer made from alloxan. S. E. Sheppard and R. C. Houck. 2,184,024; Dec. 19.
Photographic apparatus. J. Mihalyi. 2,184,016; Dec. 19.
Photographic developing machine. S. Hershberg. 2,183,742; Dec. 19.
Photographic emulsion, Buffered. S. E. Sheppard and R. H. Lambert. 2,184,023; Dec. 19.
Photographic enlarging apparatus. F. Busse. 2,183,764; Dec. 19.
Photographic images, Coloring. L. S. Trimble. 2,183,661; Dec. 19.
Photographic lettering machine, Apparatus for loading and unloading a. A. T. Koppe. 2,184,222; Dec. 19.
Photographic reproducing machine copy holder therefor. R. S. Hopkins. 2,184,012; Dec. 19.
Piano keyboard leveler. E. O. Liaboe. 2,183,916; Dec. 19.
Picture apparatus, Motion. H. C. Wellman. 2,183,521; Dec. 19.
Pictures, Making color. E. A. Weaver. 2,183,598; Dec. 19.
Pictures, Method and apparatus for the projection of motion. C. S. Ashcraft. 2,183,733; Dec. 19.
Pilot wire relaying. M. A. Bostwick. 2,183,537; Dec. 19.
Pipe cleaner. W. G. Evenson. 2,183,906; Dec. 19.
Pipe cleaner. C. J. Kaiser. 2,184,220; Dec. 19.
Pitch determining device. S. L. Alexander. 2,183,902;
Pitch propeller mechanism, Variable. W. S. Hoover. 2,184,143; Dec. 19.
Plaited product and forming the same. P. Trubitz. 2,183,820; Dec. 19.
Plug: *See*—
Spark plug.
Plugs in extraction units, Method and mechanism for continuously forming liquid-impervious. M. Bonotto. 2,184,248; Dec. 19.
Pneumatic tube. E. T. Wyman. 2,183,760; Dec. 19.
Pocketknife. E. E. Weaver. 2,183,901; Dec. 19.
Polymers, Fabricating vinylidene chloride. R. M. Wiley. 2,183,602; Dec. 19.
Pottery, Producing. W. Salisbury. 2,183,944; Dec. 19.
Powder packing box. F. R. Rueppel. 2,184,151; Dec. 19.
Power system, Fluid pressure. H. A. Centervall. 2,183,541; Dec. 19.
Press: *See*—
Fruit press. Printing press.
Hamburger press.
Press. H. C. Bostwick. 2,183,983; Dec. 19.
Pressure gauge. F. A. Barnes. 2,184,163; Dec. 19.
Pressure regulator. R. C. Hughes. 2,183,569; Dec. 19.
Pressure regulator. R. M. Magnuson. 2,183,889; Dec. 19.
Printer, black. J. A. C. Yule. 2,183,525; Dec. 19.
Printing press. C. S. Crafts. 2,183,739; Dec. 19.
Printer's type cabinet. A. B. Bell. 2,184,111; Dec. 19.
Protector: *See*—
Toe protector.
Pulley structure, Variable-speed. C. E. Johnson. 2,183,887; Dec. 19.
Pump: *See*—
Fluid pump. Rotary pump.
Pumping system. A. M. and J. M. Gurley. 2,183,560; Dec. 19.
Rack: *See*—
Counter rack.
Racket. G. H. Simpson. 2,183,925; Dec. 19.
Radiation pyrometer device. L. O. Sordahl. 2,184,169; Dec. 19.
Radio apparatus. L. A. Hyland. 2,183,746; Dec. 19.
Radio change-over system, Wired. H. R. Butler. 2,183,931; Dec. 19.
Radio course indicator. V. K. Zworykin. 2,183,634; Dec. 19.
Radio receiving system. G. L. Grundmann. 2,183,741; Dec. 19.
Radio relaying system. C. W. Hansell. 2,183,562; Dec. 19.
Rail lubricating apparatus. C. Stern. 2,183,727; Dec. 19.
Ram for extrusion presses. C. W. Krause. 2,184,048; Dec. 19.
Razor, Safety. J. C. Evans. 2,183,554; Dec. 19.
Razor, Safety. C. R. Fairey. 2,184,180; Dec. 19.
Reamer. S. M. Akeyson. 2,184,108; Dec. 19.
Receptacle: *See*—
Combination receptacle.
Metallic dispensing receptacle.
Recording system. M. L. Nelson and L. Johnston. 2,183,820; Dec. 19.
Reduction products of bz-2, bz-2'-dihydroxydibenzanthrone and preparing the same. O. Stallmann. 2,183,625; Dec. 19.
Reel: *See*—
Fishing reel.
Regulator: *See*—
Automatic draft regulator. Thermostatic temperature regulator.
Pressure regulator. regulator.
Refrigerating apparatus. J. Kirgan. 2,183,615; Dec. 19.
Refrigeration. G. M. Blomqvist and S. F. Torstensson. 2,184,112; Dec. 19.
Refrigerator. C. E. Herman. 2,183,678; Dec. 19.
Register, Autographic. J. F. Sheppard, C. J. Manuel, and W. A. Pringle. 2,183,778; Dec. 19.
Relay attenuator, Shielded. S. Gubin. 2,183,612; Dec. 19.
Relaying apparatus. E. L. Harder. 2,183,646; Dec. 19.
Relief valve. E. Klafstad and G. L. Gundersen. 2,183,650; Dec. 19.
Remote control device. H. Schröder. 2,183,724; Dec. 19.
Remote control system. S. W. Seeley. 2,183,725; Dec. 19.
Rivet and applying the same. C. W. Cherry. 2,183,543; Dec. 19.
Rock drilling mechanism. J. G. Graham. 2,183,793; Dec. 19.
Roof structure, Metal. D. R. Murphy. 2,183,844; Dec. 19.
Rotary pump. J. F. Jaworowski. 2,183,571; Dec. 19.
Rubber coated article. E. C. Domm. 2,184,179; Dec. 19.
Rubber substitute (factice), Production of. E. Gottesmann. 2,184,076; Dec. 19.
Rubber treatment. L. H. Howland. 2,183,567; Dec. 19.
Rubber, Vulcanization of. J. G. Lichty. 2,184,239; Dec. 19.
Running gear for baby carriages. D. W. Siebert, A. A Greenwood, and A. Lindquist. 2,184,154; Dec. 19.

Runway marker light. W. A. Pennow. 2,184,004; Dec. 19.
Sausage link forming machine. J. H. Miller. 2,183,687; Dec. 19.
Scanning, Apparatus for. D. C. Stockbarger and J. L. Jones. 2,184,160–1; Dec. 19.
Scraper, Track. J. Karinshuk, Jr. 2,184,046; Dec. 19.
Screen. L. G. Symons. 2,183,660; Dec. 19.
Screw threads, Rolling. C. G. Olson. 2,183,688; Dec. 19.
Seal, Tagging. H. L. C. Wenk, Jr. 2,183,799; Dec. 19.
Seat cover. R. A. and J. F. Cramer. 2,184,037; Dec. 19.
Seesaw operated vehicle. A. Grampp. 2,184,097; Dec. 19.
Selector mechanism for automatic phonographs, Sequence. E. A. Ebert and N. J. Gleiser. 2,183,607; Dec. 19.
Selenyl aryl thiazoles, Preparing. L. R. Sperberg. 2,184,170; Dec. 19.
Separable electrical connector. M. L. Howell. 2,183,911; Dec. 19.
Shade and curtain fixture, Combined. R. V. Aiello. 2,184,134; Dec. 19.
Shaft extension and coupling therefor. R. E. Smith. 2,183,824; Dec. 19.
Sharpener, Electric pencil. K. R. Blake. 2,184,176; Dec. 19.
Shearing device. R. D. Clemson. 2,183,544; Dec. 19.
Sheet catching and stacking mechanism. H. W. Theiss. 2,183,798; Dec. 19.
Sheet metal container. J. F. Fenn and J. Henchert. 2,184,039; Dec. 19.
Sheller, Pea and bean. J. M. Hawkins. 2,183,769; Dec. 19.
Shield, Neck. N. B. McInnis. 2,184,240; Dec. 19.
Shingles, Making. J. W. Ledeboer. 2,183,965; Dec. 19.
Shipping container. O. O. Nickerson. 2,184,258; Dec. 19.
Shock absorber, Hydraulic. H. C. Krauss. 2,184,190; Dec. 19.
Shoe. L. W. Rollins. 2,183,697; Dec. 19.
Shoe, Adjustable height increasing. J. Burger. 2,184,209; Dec. 19.
Shoe embodying stretchable leather in its construction. E. F. Roberts. 2,184,082; Dec. 19.
Shoe, Flexible. M. Cuozzo. 2,183,671; Dec. 19.
Shoe heel nailer. W. W. De Rusha and L. L. Gish. 2,183,789; Dec. 19.
Shoe, Stretchable leather. A. Vamos. 2,184,261; Dec. 19.
Shovel. R. A. Smith. 2,183,976; Dec. 19.
Shut-off for multiple burners, Safety. F. Mansky. 2,183,855; Dec. 19.
Shutter actuating mechanism for folding cameras. A. Nagel. 2,184,000; Dec. 19.
Shutter, Photographic. H. Zizelsberger. 2,183,802; Dec. 19.
Shuttle box, Fabricated multicell. J. B. Oleh. 2,184,056; Dec. 19.
Shuttle check for looms. O. V. Payne. 2,184,058; Dec. 19.
Sighting apparatus with automatic correction. R. Alkan. 2,183,530; Dec. 19.
Sign: *See*—
Display sign.
Signal-selecting system. H. A. Wheeler. 2,183,980; Dec. 19.
Signaling system. G. C. Cummings and R. B. Hearn. 2,183,708; Dec. 19.
Signaling system. H. M. Pruden. 2,183,941; Dec. 19.
Siphon apparatus. K. S. Smith and E. V. Casburn. 2,184,025; Dec. 19.
Sirup, Stabilized sugar. D. V. Wadsworth and L. Wickenden. 2,183,597; Dec. 19.
Sizing device. H. E. Balsiger. 2,184,090; Dec. 19.
Sled. J. M. Bowen and F. G. Birkhead. 2,183,638; Dec. 19.
Slip. H. Allen. 2,184,231; Dec. 19.
Slip deaerator. D. Brown. 2,183,763; Dec. 19.
Slip-sinker. W. D. Minser. 2,183,818; Dec. 19.
Smoking pipe. M. Schnaier. 2,183,658; Dec. 19.
Snap fastener stud. R. O. Chaffee. 2,184,250; Dec. 19.
Snare, Minnow. S. J. Fulks. 2,184,073; Dec. 19.
Softening agent. H. A. Lubs and L. R. Arnold, Jr. 2,183,721; Dec. 19.
Soil moistening device. H. Meissl. 2,183,970; Dec. 19.
Sole, Footwear. U. Urbany. 2,183,899; Dec. 19.
Solvent extraction. J. H. Boyd, Jr. 2,183,852; Dec. 19.
Sound reproducing device. E. Schwartz. 2,183,777; Dec. 19.
Spark control mechanism. J. S. Jennings, Jr. 2,183,747; Dec. 19.
Spark plug. E. B. Nowosielski. 2,184,196; Dec. 19.
Spark plug, Radio shielded. O. C. Rohde. 2,183,696; Dec. 19.
Spindle mounting for loom shuttles. R. G. Turner. 2,183,026; Dec. 19.
Spring shackle assembly. J. H. Roberts. 2,183,923; Dec. 19.
Spring structure and making same, Fabricated. K. V. Hart. 2,183,564; Dec. 19.
Spring suspension for vehicles. I. Hinshaw. 2,184,188; Dec. 19.
Stable compositions useful in the compounding of photographic developers. L. E. Muehler. 2,184,053; Dec. 19.
Stapling, Method of and means for. W. L. Sorenson. 2,183,978; Dec. 19.
Steam ejector. E. G. Ross. 2,183,623; Dec. 19.
Steel ingot, Casting. L. B. Lindemuth. 2,183,576; Dec. 19.
Still residues, Decolorization of. S. G. Burroughs. 2,183,830; Dec. 19.
Stop motion for knitting machines. M. Wachsman. 2,184,107; Dec. 19.
Stove, Electric. H. G. Hutchens and J. H. Crosier. 2,183,866; Dec. 19.
Stove top, Supplemental panel. F. R. Howe. 2,183,935; Dec. 19.
Strainer and cooler, Combined. P. Potocek. 2,183,692; Dec. 19.
Strainer apparatus. B. S. Burrell. 2,184,177; Dec. 19.
Strainer, Removable spout. R. E. Lehman. 2,183,773; Dec. 19.
Straining equipment. D. R. McNeal. 2,183,577–8; Dec. 19.
Stretcher, Carpet. J. C. Owens. 2,184,019; Dec. 19.
Strip for automobile windows, Sealing. H. D. Geyer. 2,184,186; Dec. 19.
Strip width measuring device. D. Buccicone. 2,184,035; Dec. 19.
Suction cleaner. C. H. Taylor. 2,183,826; Dec. 19.
Sulphonation product. A. F. Bowles and S. Kaplan. 2,183,929; Dec. 19.
Support: *See*—
Adjustable support. Vibrator screen support.
Ventilator and roof support.
Support for a film holder and a driving clutch for motion picture apparatus, Antifriction. O. Wittel and C. J. Hughey. 2,183,522; Dec. 19.
Supporter and cravat holder, Combined brace. W. Dusablond. 2,183,831; Dec. 19.
Switch: *See*—
Control switch. Time switch.
Electric switch.
Switch and the like, Thermoelectric safety. J. H. Thornbery. 2,183,827; Dec. 19.
Switch for refrigerating apparatus. E. B. Newill. 2,184,241; Dec. 19.
Table: *See*—
Combination table.
Tap, Receptacle. S. Adler. 2,184,263; Dec. 19.
Tape dispenser. A. Bennett. 2,184,091; Dec. 19.
Target towing device. D. H. Campbell and H. H. England. 2,183,540; Dec. 19.
Telephone instrument. J. P. Hubbell. 2,183,744; Dec. 19.
Telephone system. F. Etzel. 2,183,832; Dec. 19.
Telephone system. R. Hornickel. 2,183,838; Dec. 19.
Telephone system. F. Simon. 2,183,848; Dec. 19.
Telephone system, Automatic. E. Jauch and E. Wochinger. 2,183,839; Dec. 19.
Telephone system, Automatic. F. L. Kahn. 2,183,649; Dec. 19.
Telephone system, Automatic. J. E. Ostline. 2,183,656; Dec. 19.
Temperature compensation for gas meters. G. M. Deming. 2,183,710; Dec. 19.
Textiles and oils therefor, Treating. W. Garner. 2,184,040; Dec. 19.
Thermonegative resistor. W. Schottky. 2,183,755; Dec. 19.
Thermostatic temperature regulator. E. Huber. 2,183,745; Dec. 19.
Thread and apparatus therefor, Manufacturing artificial silk. C. A. Huttinger. 2,184,144; Dec. 19.
Thread forming mechanism. C. G. Olson. 2,183,689; Dec. 19.
Thread winding machine. D. G. Baker. 2,183,735; Dec. 19.
Tie stitching machine. R., V., and H. Naftali. 2,184,256; Dec. 19.
Tiles, Fashioning. M. A. Schweiker. 2,183,699; Dec. 19.
Time switch. J. A. Hjulian. 2,183,886; Dec. 19.
Timing device. W. C. Crisp and W. E. Barnes. 2,183,548; Dec. 19.
Tins and feeding them to soldering or folding mandrels, Receiving bodies of. O. Achtermann and F. Schiller. 2,184,089; Dec. 19.
Tire from a vulcanizing mold, Removing a. E. A. Glynn. 2,184,119; Dec. 19.
Toaster, Marshmallow. C. A. Lewis. 2,183,938; Dec. 19.
Toe protector. J. A. Toner. 2,183,701; Dec. 19.
Toilet cabinet. H. I. Stiller. 2,183,897; Dec. 19.
Token or coin handling apparatus. E. Goodman. 2,183,611; Dec. 19.
Tool: *See*—
Drilling tool. Lawn trimming tool.
Forming tool. Multiple spindle machine tool.
Hand tool.
Top, Milk bottle. F. W. Geyer. 2,184,215; Dec. 19.
Torque conveying and converting apparatus. R. B. Aspinwall and T. B. Tyler. 2,183,761; Dec. 19.
Torque measuring wrench. H. W. Zimmerman. 2,183,633; Dec. 19.

Toy train couplers, Centering device for. N. Rydin. 2,184,103; Dec. 19.
Traffic control system for railroads. F. X. Rees. 2,183,694; Dec. 19.
Trailer implement. H. L. and A. Rosenthal. 2,184,084; Dec. 19.
Transmission, Hydraulic. J. C. Johnson. 2,184,219; Dec. 19.
Transmission, Hydraulic. H. J. Sherrill. 2,183,823; Dec. 19.
Transmitter cell. A. E. Woodruff and A. F. Horlacher. 2,184,064; Dec. 19.
Transmitter head set. A. E. Woodruff and A. Horlacher. 2,184,262; Dec. 19.
Transmitter, Modulated carrier wave. E. Green and N. H. Clough. 2,183,865; Dec. 19.
Transmitter, Phase modulation. M. L. Dull. 2,183,905; Dec. 19.
Transmitting apparatus. B. L. Green. 2,183,559; Dec. 19.
Trap: *See*—
Animal trap.
Tray, Ice. A. Lenning. 2,183,750; Dec. 19.
Tray, Letter. T. Hearn and G. S. McKee. 2,183,992; Dec. 19.
Tray unit for beauty parlor chairs. J. A. Borges. 2,183,536; Dec. 19.
Triangle measuring instrument, Spherical. J. H. Coleman. 2,183,765; Dec. 19.
Trolley splicer. L. C. Spencer. 2,184,006; Dec. 19.
Trough, Concentrating. B. A. Miller. 2,183,971; Dec. 19.
Truck suspension, Rail. E. H. Piron. 2,184,102; Dec. 19.
Tube: *See*—
Pneumatic tube.
Tube and circuit arrangement therefor, Rectifier. J. G. W. Mulder. 2,183,918; Dec. 19.
Tube deformer. R. L. E. Reuter and O. Huelster. 2,183,921; Dec. 19.
Tube for steam boilers, Flue. G. A. van der Graaf. 2,183,757; Dec. 19.
Tubes, Machining interior surfaces of. W. W. Cotter, Sr. 2,183,861; Dec. 19.
Tubes with luminescent materials, Apparatus for coating. W. D. Norgard. 2,184,266; Dec. 19.
Tubers for virus infection, Testing. F. E. Eldmann. 2,183,553; Dec. 19.
Tuning means of communication or signal equipment. E. Paschke. 2,183,723; Dec. 19.
Turbine drill bit. J. A. Zublin. 2,184,068; Dec. 19.
Two-well method of electrical logging and apparatus therefor. P. F. Hawley. 2,183,565; Dec. 19.
Typewriting and accounting machine, Combined. C. K. Rainey. 2,183,920; Dec. 19.
Umbrella, Beach. J. A. Farhar. 2,183,833; Dec. 19.
Utensil, Olive. E. H. Gross. 2,184,216; Dec. 19.
Vacuum cleaner filter. T. E. D. Bilde. 2,183,737; Dec. 19.
Valve: *See*—
Double-acting check valve. | Inflation valve.
Flushing valve. | Liuid dispensing valve.
Hydraulic shock absorber valve. | Relief valve.
Valve. W. B. Foulke. 2,183,835; Dec. 19.
Valve for air-controlled instruments, Rolling. D. G. K. Moss. 2,183,939; Dec. 19.
Valve for sprayers. J. Fitch. 2,183,740; Dec. 19.
Valve mechanism for motors of pumps. F. D. Butler. 2,183,539; Dec. 19.
Valve mechanism for motors of reciprocating pumps, Expansive fluid-actuated, pilot-controlled. F. D. Butler. 2,183,538; Dec. 19.
Valve operating mechanism for tank vehicles. J. H. De Frees. 2,183,987; Dec. 19.
Valve structure. E. G. Steffen. 2,183,825; Dec. 19.
Vegetables, Preparing. D. T. Wiltse. 2,184,246; Dec. 19.
Vehicle: *See*—
Seesaw operated vehicle.
Vehicle. A. H. Bernier. 2,183,534; Dec. 19.
Vehicle, Raising and tipping. R. R. Howard and W. C. Anthony. 2,183,813; Dec. 19.
Vehicles, Stabilizing system for. C. A. Tschanz. 2,184,202; Dec. 19.
Vending machine. W. A. Gentry. 2,183,808; Dec. 19.
Vent for folding cameras, Air. H. O. Drotning. 2,183,980; Dec. 19.
Ventilating means for beds and the like. A. C. Benedict. 2,183,533; Dec. 19.
Ventilator and roof support. R. C. Hansen. 2,183,645; Dec. 19.
Ventilator, Automatic. L. H. Bean. 2,183,955; Dec. 19.
Vibrating systems, Adjusting. E. R. Morton. 2,183,655; Dec. 19.
Vibrator screen support. J. Hasman. 2,183,991; Dec. 19.
View finder. D. L. Wood. 2,183,523; Dec. 19.
Vulcanization, Accelerator of. J. G. Lichty. 2,184,238; Dec. 19.
Wafer, Laminated bite. J. R. Schwartz. 2,183,624; Dec. 19.
Wagon. W. E. Kudrna. 2,183,682; Dec. 19.
Washer: *See*—
Can washer.
Washer and the like, Spring lock. G. B. Garrett and W. H. Thornton. 2,184,252; Dec. 19.
Washing composition. K. Sponsel and K. Daimler. 2,184,171; Dec. 19.
Waste control. G. B. Nystrom. 2,184,001; Dec. 19.
Watch and jewelry cleaning machine. S. Repasy. 2,184,020; Dec. 19.
Watch band, Ventilated and cushioned wrist. H. Singer. 2,184,060; Dec. 19.
Water control for flush tanks. F. M. Heath. 2,183,677; Dec. 19.
Water distributor for ice boxes. F. A. Kavan. 2,183,868; Dec. 19.
Wave-generating system, Periodic. H. M. Lewis. 2,183,966; Dec. 19.
Weighing device. F. H. Mathey. 2,183,817; Dec. 19.
Welding device. W. Gladitz. 2,183,908; Dec. 19.
Well casing aligning guide. B. C. Moise. 2,184,051; Dec. 19.
Wheel suspension, Vehicle. F. Porsche. 2,183,940; Dec. 19.
Window construction, Ventilating. G. M. Lane. 2,183,684; Dec. 19.
Window, Robberyproof. C. J. Mullen. 2,183,819; Dec. 19.
Windshields and the like, Operating mechanism for. J. F. Levan. 2,183,774; Dec. 19.
Wire line clamp. T. W. Bell and T. C. Rogers. 2,183,904; Dec. 19.
Wrench: *See*—
Torque measuring wrench.
Wringer drain board mechanism. N. L. Etten. 2,183,882; Dec. 19.
Wringer mechanism, Toggle top. N. L. Etten. 2,183,881; Dec. 19.
X-ray apparatus. H. C. Bertram. 2,184,174; Dec. 19.
Yarn, Making combination. F. C. Werber. 2,183,703; Dec. 19.
Yarn, Method and apparatus for the production of broken filament. F. W. Koster. 2,184,254; Dec. 19.
Yarn treating process and composition therefor. J. B. Dickey and J. B. Normington. 2,184,009; Dec. 19.
Yarns to adapt them for textile operations, Conditioning of. J. B. Dickey and J. G. McNally. 2,184,008; Dec. 19.
Yeast, Production of. R. R. Irvin and M. W. Mead, Jr. 2,183,570; Dec. 19.
Zinc, Recovering. J. O. Betterton and M. F. Perkins. 2,183,535; Dec. 19.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 19, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1—	32:	2,183,789	31—	54:	2,184,106	57—	2:	2,184,254	90—	1:	2,184,232	113—	23:	2,183,903	155—	182:	2,183,828
	49:	2,183,978	32—	19:	2,183,624		116:	2,183,756		33:	2,184,052		32:	2,183,572			2,184,037
2—	3:	2,184,043		26:	2,183,690		162:	2,183,703		58:	2,184,128			2,183,573	156—	17:	2,184,098
	132:	2,184,055		70:	2,184,105	59—	35:	2,184,127	91—	12.7:	2,183,890		114:	2,184,029	158—	28:	2,183,967
	174:	2,184,240	33—	1:	2,183,765	60—	53:	2,183,541		55:	2,184,266		120:	2,183,738			2,183,973
4—	10:	2,183,897		32:	2,184,126			2,184,219		68:	2,183,532	116—	52:	2,183,622		36.4:	2,183,586
	18:	2,183,677		49:	2,183,530		105:	2,184,224			2,183,580	120—	96:	2,184,176		91:	2,183,812
	199:	2,184,001	123:	2,184,156	62—	1:	2,183,639				2,183,711		103:	2,184,130		94:	2,183,749
8—	10:	2,183,752		2,184,157		7:	2,183,615				2,184,153	121—	9:	2,183,793		99:	2,183,836
	50:	2,183,997		2,184,158		53:	2,183,868		68.2:		2,184,179		157:	2,183,538		109:	2,183,596
		2,183,998		2,184,159		89:	2,183,678	92—	9:		2,183,643			2,183,539		111:	2,184,203
		2,183,999		2,184,160		104:	2,183,732		40:		2,183,858	122—	250:	2,183,893		112:	2,184,142
	57.	2,183,754		2,184,161		108.5:	2,183,750		54:		2,183,965		511:	2,183,757		117.1:	2,183,827
10—	101:	2,183,644		2,184,162			2,184,112		56:		2,183,869	123—	25:	2,184,141			2,183,855
	107:	2,184,136	147:	2,183,909		129:	2,183,821	93—	12:		2,184,233		27:	2,183,674	161—	17:	2,183,548
12—	2:	2,183,666		2,184,035		140:	2,183,593		36.3:		2,183,951		61:	2,184,093	164—	28:	2,183,722
	16:	2,183,695		2,184,036	66—	71:	2,183,719		53:		2,183,927		78:	2,183,527		93:	2,184,165
15—	16:	2,183,826	148:	2,184,090		93:	2,184,088	94—	12:		2,184,146		117:	2,183,747		113:	2,183,820
	20:	2,183,758	215:	2,183,902		96:	2,183,575		18:		2,184,148		136:	2,183,875	166—	1:	2,183,654
	93:	2,184,189	35—	9:	2,184,120	117:	2,183,716	95—	2:		2,183,524		169:	2,183,696	170—	159:	2,183,891
16—	22:	2,184,038		12:	2,183,594		2,183,791				2,183,525			2,184,196		163:	2,184,143
	56:	2,184,264		26:	2,184,125	163:	2,184,107				2,183,598		182:	2,183,558	171—	34:	2,183,617
	70:	2,183,640	36—	12:	2,183,671	172:	2,183,862		4.5:		2,184,221	126—	211:	2,183,935		95:	2,183,566
	86:	2,184,201			2,183,697	67—	7.1:	2,183,706			2,184,222	128—	24.1:	2,183,726			2,183,685
	128.1:	2,183,809		51:	2,184,082	68—	142:	2,183,910			2,184,223		76:	2,184,099			2,183,934
17—	18:	2,184,132			2,184,261		263:	2,183,881		6:	2,184,022		153:	2,183,701		224:	2,183,993
	34:	2,183,687		59:	2,183,899		271:	2,183,882		7:	2,184,013		272:	2,184,152	172—	36:	2,183,549
18—	5:	2,183,928		62:	2,183,988	70—	25:	2,183,792			2,184,023	130—	5:	2,184,083		179:	2,183,765
	8:	2,184,144		71:	2,184,209		458:	2,183,994		9:	2,184,024			2,184,084		239:	2,183,725
	16:	2,183,983			2,184,210	72—	68:	2,184,137		14:	2,183,742		30:	2,183,769	173—	273:	2,183,680
	18:	2,184,119	37—	105:	2,184,046		101:	2,183,712		39:	2,184,017	131—	198:	2,184,054		328:	2,183,651
	19:	2,183,984	141:	2,184,045	73—	51:	2,183,655			40:	2,184,000		213:	2,183,658		330:	2,183,911
	42:	2,184,265	39—	7:	2,184,207			2,183,700		45:	2,183,989		235:	Re 21,303	174—	57:	2,183,872
	47.5:	2,183,691	40—	10:	2,184,039			2,183,974			2,184,018		246:	2,183,906		134:	2,183,592
		2,183,948		11:	2,183,805		110:	2,184,163		57:	2,184,016			2,184,220	175—	41:	2,183,550
	55:	2,183,602		32:	2,183,705		355:	2,184,169		63:	2,183,802	132—	33:	2,183,894		182:	2,183,565
		2,183,857		101:	2,183,942	74—	41:	2,184,200		64:	2,184,015		49:	2,183,963		183:	2,183,531
	57:	2,183,520		130:	2,183,840		194:	2,183,618		88:	2,183,661		81:	2,183,807			2,183,584
20—	5:	2,183,620	41—	24:	2,184,121		230.17:	2,183,887			2,184,053		84:	2,184,212			2,183,898
	11:	2,183,619		33:	2,184,077		294:	2,183,823	97—	65:	2,184,217	134—	23.4:	2,183,736			2,184,193
		2,183,879	43—	27:	2,184,073		327:	2,183,667		179:	2,184,211	135—	20:	2,183,833		294:	2,183,537
	16:	2,184,259		28:	2,184,187		336.5:	2,183,761		227:	2,184,034		47:	2,183,975			2,183,646
	40.5:	2,183,907		42:	2,183,849		389:	2,184,032	98—	19:	2,184,110	137—	20:	2,184,025		315:	2,183,776
	56.4:	2,183,683		46:	2,183,815		531:	2,183,772		42:	2,183,645		21:	2,183,987		320:	2,183,775
21—	5:	2,184,147			2,184,031		568:	2,183,950		89:	2,183,533		53:	2,183,650		363:	2,183,918
22—	200:	2,184,257		52:	2,183,818		594.3:	2,184,049		95:	2,183,955		68:	2,183,815		367:	2,184,199
	216:	2,183,576		75:	2,183,926	75—	5:	2,184,078	99—	13:	2,183,933		93:	2,183,601	176—	7:	2,183,972
23—	151:	2,184,062		147:	2,184,191		26:	2,183,535		103:	2,184,237		139:	2,183,939		12:	2,183,734
	230:	2,183,553	44—	1:	2,183,924		126:	2,183,715		142:	2,183,597		153:	2,183,889		38:	2,183,952
	232:	2,183,964		3:	2,183,587	76—	104:	2,184,150		161:	2,184,063	139—	100:	2,184,059		119:	2,183,846
	268:	2,183,837	45—	89:	2,184,019		107:	2,183,800		168:	2,183,981		158:	2,184,027	177—	311:	2,184,124
	270:	2,184,248	46—	11:	2,183,681	77—	22:	2,183,743		186:	2,184,246		184:	3,184,056		337:	2,183,780
24—	19:	2,183,551	47—	2:	2,184,109	78—	39:	2,183,670	100—	42:	2,183,804		185:	2,184,058		380:	2,183,941
	33:	2,183,937		38:	2,183,970	80—	9:	2,183,688	101—	46:	2,183,920		208:	2,184,026	178—	17:	2,183,559
	73:	2,184,255		61:	Pl.Pt.350			2,183,689		91:	2,183,919	140—	71:	2,183,635		44:	2,183,612
	102:	2,184,230	48—	38:	2,183,709		26:	2,183,557		93:	2,183,829	141—	1:	2,184,020			2,183,945
	105:	Re.21,304		235:	2,183,845		40:	2,184,030		148:	2,183,568		7:	2,184,100			2,184,104
	135:	2,183,904	49—	83:	2,183,961		51:	2,184,118		350:	2,183,739		9:	2,184,204		58:	2,183,708
	213:	2,184,250	50—	4:	2,183,569	83—	6:	2,183,583	102—	2:	2,184,028		11:	2,184,245		69:	2,183,613
	255:	2,183,730		17:	2,183,710		10:	2,184,214			2,184,145	143—	159:	2,183,675			2,183,653
	263:	2,184,231	51—	3:	2,183,914		11:	2,183,880	103—	42:	2,184,133	144—	309:	2,183,599	179—	1:	2,184,247
25—	156:	2,183,944		52:	2,183,759			2,184,123		44:	2,183,560	145—	33:	2,183,669		2.5:	2,184,075
28—	1:	2,183,721		74:	2,183,995		53:	2,183,698		161:	2,183,571	146—	85:	2,183,631		15:	2,183,931
		2,184,008		95:	2,184,011		94:	Re.21,302	105—	2:	2,183,913		202:	2,183,915		17:	2,183,839
		2,184,009		97:	2,184,175	84—	317:	2,183,579		4:	2,184,021	151—	25:	2,183,814		27:	2,183,649
		2,184,041		101:	2,183,864		432:	2,183,916		37:	2,183,603		36:	2,184,252			2,183,656
	19:	2,183,863			2,183,962	87—	5:	2,184,171		182:	2,184,102	152—	348:	2,183,760			2,183,832
29—	1.3:	2,183,637		122:	2,183,686		9:	2,184,040		366:	2,183,704	153—	48:	2,183,702			2,183,848
	84:	2,183,600		246:	2,183,786			2,184,182	107—	8:	2,183,977		54:	2,183,969		78:	2,183,838
	86.1:	2,183,842			2,183,787	88—	1.5:	2,183,523		14:	2,183,693		79:	2,183,921		90:	2,183,713
	96:	2,183,706			2,183,788		17:	2,183,529		15:	2,184,080	154—	2:	2,183,790		100:	2,183,744
	103:	2,183,922		278:	2,183,699			2,184,003		46:	2,183,767			2,184,140		100.3:	2,183,949
	148:	2,183,641			2,183,930		18:	2,183,733	108—	21:	2,183,844		2.6:	2,183,811		122:	2,184,064
		2,184,183	53—	5:	2,183,938		20:	2,184,131		26:	2,184,092		44:	2,184,139		157:	2,184,262
30—	43:	2,184,180	54—	11:	2,183,665		23:	2,183,768	109—	19:	2,183,819	155—	112:	2,184,181		171:	2,183,707
	84:	2,183,554	55—	66:	2,183,946		24:	2,183,764	110—	7:	2,183,648		123:	2,183,536			2,183,731
	96:	2,184,114		107:	2,183,779			2,184,012	112—	171:	2,184,256			2,184,047		171.5:	2,183,717
	161:	2,183,901	56—	294:	2,183,544		26:	2,184,007		256:	2,183,659		128:	2,184,173			2,183,865
31—	4:	2,183,692			2,183,545		54:	2,183,885	113—	7:	2,184,089		179:	2,183,843	180—	1:	2,184,198

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183— 2.5: 2,183,763
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71: 2,183,737
111: 2,183,766
184— 3: 2,183,727
7: 2,183,986
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52: 2,183,850
78: 2,184,050
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189— 1: 2,184,113
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191— 44: 2,184,006
192— .01: 2,184,071
13: 2,183,803
48: 2,184,135
68: 2,184,005
111: 2,183,668
194— 10: 2,183,611
101: Re.21,301
195— 37: 2,184,167
93: 2,183,570
196— 8: 2,183,604
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13: 2,183,852
28: 2,183,782
32: 2,183,801
52: 2,183,591
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198— 25: 2,183,664
200— 38: 2,183,886
83: 2,184,241
105: 2,184,101
117: 2,183,728
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120: 2,183,729
137: 2,183,745
163: 2,183,892

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207— 2: 2,183,959
19: 2,184,048
209— 12: 2,183,971
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23: 2,184,091
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55: 2,184,251
66: 2,184,151
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62: 2,183,585
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230— 95: 2,183,623
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240— 1.2: 2,184,004
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18: Re.21,306
19: 2,183,555
78: 2,183,932
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246— 3: 2,183,694
248— 39: 2,184,192
255: 2,184,134
358: 2,183,985
250— 11: 2,183,634
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15: 2,183,562
17: 2,183,795
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2,183,714
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1939

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aladdin Radio Industries, Incorporated, Chicago, Ill. Magnetic powder and cores. Serial No. 424,983; Dec. 26. Class 21.
Allen Industries, Incorporated, Detroit, Mich. Rubberized or latex-coated cotton padding. Serial No. 425,037; Dec. 26. Class 50.
Altshul-Stern & Co., New York, N. Y. Handkerchiefs. Serial No. 423,588; Dec. 26. Class 39.
Aluminum Goods Mfg. Co., Manitowoc, Wis. Base metal food warmer and server. Serial No. 424,456; Dec. 26. Class 13.
Armand Co., The, Des Moines, Iowa. Shaving cream. Serial No. 425,038; Dec. 26. Class 4.
Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 418,912; Dec. 26. Class 6.
Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 424,190; Dec. 26. Class 6.
Associated Retail Millinery, Incorporated, Dallas, Tex. Hats for women. Serial Nos. 424,335–7; Dec. 26. Class 39.
Atlas Powder Company, Wilmington, Del. Coated fabric. Serial No. 424,709; Dec. 26. Class 50.
Atmozone, Oregon City, Oreg. Electric ozonizer. Serial No. 418,672; Dec. 26. Class 21.
Barker, Moore & Mein Company, Philadelphia, Pa. Ointment, lice exterminator, disinfectant, etc. Serial No. 424,950; Dec. 26. Class 6.
Beebe Brothers Rubber Company, Nashua, N. H. Heels and soles of rubber and rubber composition. Serial Nos. 424,460–1; Dec. 26. Class 39.
Behr-Manning Corporation, Troy, N. Y. Coated abrasives. Serial No. 424,990; Dec. 26. Class 4.
Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. Serial No. 423,849; Dec. 26. Class 42.
Benson, N. P., Optical Company, Inc., assignor to Cosmet Corporation, Minneapolis, Minn. Eyeglass lenses and eyeglass edge finishes. Serial Nos. 424,020–1; Dec. 26. Class 26.
Binney & Smith Co., New York, N. Y. Powder paint. Serial No. 425,084; Dec. 26. Class 16.
Bloomingdale Bros., Inc., New York, N. Y. Tables, chairs, buffets, etc. Serial No. 424,635; Dec. 26. Class 32.
Boccia, Charles, doing business as Boccia Pastry Shop, New York, N. Y. Frozen confection. Serial No. 389,762; Dec. 26. Class 46.
Boeing Aircraft Company, Seattle, Wash. Airplanes and structural parts thereof. Serial No. 422,438; Dec. 26. Class 19.
Brundin, Ernest W., Montebello, Calif. Receptacles. Serial No. 419,655; Dec. 26. Class 30.
Buckeye Ribbon & Carbon Company, The, Cleveland, Ohio. Manifolding and computing sheets. Serial No. 424,864; Dec. 26. Class 37.
Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 421,233; Dec. 26. Class 27.
Castle, A. M., & Co., Chicago, Ill. Fabricated structural shapes. Serial No. 421,638; Dec. 26. Class 12.
Cenci Brothers, doing business as Feminine-Aid Co., Fresno, Calif. Antiseptic and cleansing preparation. Serial No. 424,192; Dec. 26. Class 6.
Chameo Trading Corporation, assignor to The Pozzorite Corporation, New York, N. Y. Volcanic pozzolana. Serial No. 399,953; Dec. 26. Class 1.
Chemical Bank & Trust Company, New York, N. Y. Occasional bulletins, serial publications, and periodical reports. Serial No. 423,521; Dec. 26. Class 38.
Clark, Joseph L., Pittsburgh, Pa. Chewing gum. Serial No. 424,833; Dec. 26. Class 46.
Clearing Machine Corporation, Chicago, Ill. Metal working presses and parts therefor. Serial No. 424,080; Dec. 26. Class 23.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Hair lotion. Serial No. 420,741; Dec. 26. Class 6.
Columbia Plush & Puff Co., Inc., New York, N. Y. Powder puffs. Serial No. 424,868; Dec. 26. Class 29.
Columbia Ribbon & Carbon Manufacturing Co., Inc., Glen Cove, N. Y. Carbon paper and typewriter ribbons. Serial No. 424,681; Dec. 26. Class 11.
Commercial Stationery & Supply Co., Chattanooga, Tenn. Wood encased lead pencils. Serial No. 423,491; Dec. 26. Class 37.
Community Produce Co. (See Piazza, Lawrence P.)
Consumers Brewing Company, The, Newark, Ohio. Beer and ale. Serial No. 423,725; Dec. 26. Class 48.
Cosmet Corporation. (See Benson, N. P., Optical Company, Inc.)
Cosmetics, Incorporated, St. Paul, Minn. Cosmetics. Serial No. 424,386; Dec. 26. Class 6.
Cowles Detergent Company, The, Cleveland, Ohio. Detergent compound. Serial No. 424,216; Dec. 26. Class 4.
Cross, Mark, Company, New York, N. Y. Leather gloves. Serial No. 424,195; Dec. 26. Class 39.
Curry, E. J., & Co., Brucetown, Va. Salad dressing. Serial No. 424,469; Dec. 26. Class 46.
Daniels, Burley A., doing business as Nu-Life Hair Growing System, Beverly Hills, Calif. Hair conditioning preparation. Serial No. 423,697; Dec. 26. Class 6.
Dant Distillery Company, Inc., The, Dant, Ky. Whiskey. Serial No. 422,736; Dec. 26. Class 49.
Delettrez, Inc., Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 424,387; Dec. 26. Class 6.
De Roos Laboratories, Inc., Chicago, Ill. Permanent waving pads. Serial Nos. 424,796–8; Dec. 26. Class 44.
Dorgan Packing Corp., Mobile, Ala. Canned shrimp and oysters. Serial No. 422,693; Dec. 26. Class 46.
Downing, S. Joseph, New York, N. Y. Perpetual calendar telephone call tabulating device. Serial No. 423,902; Dec. 26. Class 26.
Draper Corporation, Portland, Maine, and Hopedale, Mass. Looms. Serial Nos. 424,225–8; Dec. 26. Class 23.
Drug Products, Incorporated, Newark, N. J. Pile medicine. Serial No. 420,991; Dec. 26. Class 6.
Dumont, Vve. Th., fils et Cie., Succ. de Th. Dumont fils, Montignes, Switzerland. Tweezers, cutting nippers, flat pliers, etc. Serial No. 421,682; Dec. 26. Class 23.
Elcor Inc., Chicago, Ill. Dynamotors, motors, generators, etc. Serial No. 423,851; Dec. 26. Class 21.
Electric Service Systems, Incorporated, Minneapolis, Minn. Electric fence controllers. Serial No. 424,381; Dec. 26. Class 21.
Embalmers' Supply Company, The, Westport, Conn. Embalming supplies. Serial No. 419,747; Dec. 26. Class 6.
Embalmers' Supply Company, The, Westport, Conn. Casket church trucks, casket display trucks, and casket pedestal trucks. Serial No. 419,748; Dec. 26. Class 19.
Embalmers' Supply Company, The, Westport, Conn. Embalming instruments. Serial No. 419,749; Dec. 26. Class 44.
Enro Shirt Company, The, Louisville, Ky. Collars. Serial No. 418,706; Dec. 26. Class 39.
Fair-Play Manufacturing Company. (See Foster, Elmer E.)
Federal Fabrics Corporation, New York, N. Y. Rayon fabrics. Serial No. 424,581; Dec. 26. Class 42.
Feminine-Aid Co. (See Cenci Brothers.)
Ferrell, Jean, Inc., Chicago, Ill. Laxative compound. Serial No. 409,917; Dec. 26. Class 6.
Feuerheerd Bros. & Companhia Limitada, Oporto, Portugal. Port wines. Serial No. 420,716; Dec. 26. Class 47.
Fisher, Simon, Berlin, N. J. Nightgowns, pajamas, panties, etc. Serial No. 424,582; Dec. 26. Class 39.
Fleming Manufacturing Company, East Providence, R. I. Ventilating apparatus for the crank case of an internal combustion engine. Serial No. 422,506; Dec. 26. Class 23.
Foster, Elmer E., doing business as Fair-Play Manufacturing Company, Des Moines, Iowa. Automatic electric game timers or a combination automatic electric game timer, clock, and scoreboard. Serial No. 422,131; Dec. 26. Class 22.
Fruitvale Canning Company, Oakland, Calif. Canned fruits, canned vegetables. Serial Nos. 425,049–52; Dec. 26. Class 46.
General Mills, Inc., Minneapolis, Minn. Cartons. Serial No. 424,349; Dec. 26. Class 2.
General Mills, Inc., Minneapolis, Minn. Oat cereal breakfast food. Serial No. 425,405; Dec. 26. Class 46.
General Ribbon Mills, Inc., Dover, Del., and New York, N. Y. Textile ribbons. Serial No. 425,199; Dec. 26. Class 42.
Geyer, William O., doing business as Scientific Glass Apparatus Co., Bloomfield, N. J. Glass chemical apparatus and glass scientific appliances for laboratory uses. Serial No. 424,268; Dec. 26. Class 26.
Geyer, William O., doing business as Scientific Glass Apparatus Co., Bloomfield, N. J. Ground glass joints, stoppers and stop-cocks for glass chemical apparatus and scientific appliances. Serial No. 424,269; Dec. 26. Class 26.
Geyer, William O., doing business as Scientific Glass Apparatus Co., Bloomfield, N. J. Glass chemical apparatus and scientific appliances. Serial No. 424,270; Dec. 26. Class 26.
Guth, Edwin F., Company, The, St. Louis, Mo. Lighting fixtures. Serial No. 424,085; Dec. 26. Class 21.
Halco Publishing & Manufacturing Company, Inc., Hobart, Ind. Bookkeeping system of account books having columns for income tax, etc. Serial No. 422,794; Dec. 26. Class 37.
Hamilton Corporation, The, Minneapolis, Minn. Liquid pumps. Serial No. 417,688; Dec. 26. Class 23.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. Serial No. 417,219; Dec. 26. Class 22.
Hellmuth, Charles, Printing Ink Corporation, New York, N. Y. Printing and lithographic inks. Serial No. 424,772; Dec. 26. Class 11.
Holliday, C. Crawford, Ltd., Boston, Mass. Hosiery. Serial No. 424,942; Dec. 26. Class 39.
Homasote Company, Inc., Fernwood, N. J. Glue. Serial No. 425,570; Dec. 26. Class 5.
Houze, L. J., Convex Glass Company, Point Marion, Pa. Glass disks for goggles. Serial No. 423,500; Dec. 26. Class 26.
Hulsh, B. M., doing business as Trojan Products & Mfg. Co., Chicago, Ill. Portable cleaning machines. Serial No. 424,354; Dec. 26. Class 23.
Hussmann-Ligonier Company, St. Louis, Mo. Meat choppers. Serial No. 424,041; Dec. 26. Class 23.
Hussmann-Ligonier Company, St. Louis, Mo. Coffee mills. Serial No. 424,044; Dec. 26. Class 23.
HyLo Company, Incorporated, Houston, Tex. Cleansing compounds. Serial No. 421,881; Dec. 26. Class 4.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Rust proofing agents and corrosion inhibitors. Serial Nos. 423,729–30; Dec. 26. Class 6.
Keel & Company, Inc., Philadelphia, Pa. Wire machine brushes, tire groovers, rasps, etc. Serial No. 423,563; Dec. 26. Class 23.
Laymon, Herman B., doing business as World's Products Company, Spencer, Ind. Safety razor blades. Serial No. 424,481; Dec. 26. Class 23.
Layne, Leslie A., Houston, Tex. Portable machine for use in pressure gravelling of wells. Serial No. 411,502; Dec. 26. Class 23.
Lelong, Lucien, Inc., Chicago, Ill. Perfume. Serial No. 424,201; Dec. 26. Class 6.
Lempco Products, Inc., Bedford, Ohio. Water pumps, lathes, presses, etc. Serial No. 422,937; Dec. 26. Class 23.
Levich, Morris C., Kansas City, Mo. Ball game. Serial No. 404,901; Dec. 26. Class 22.
Lobica, Incorporated, New York, N. Y. Medicinal preparation. Serial No. 423,484; Dec. 26. Class 6.
MacMillan & Cameron Co., Wilmington, N. C. Motor oil. Serial No. 424,238; Dec. 26. Class 15.
Manufacturers Charcoal Company, Bradford, Pa. Charcoal. Serial No. 424,751; Dec. 26. Class 1.
Marks, L. Y., & Sons Co., The, Cincinnati, Ohio. Women's and misses' shoes. Serial No. 424,134; Dec. 26. Class 39.
Mendex Corporation, Cleveland, Ohio. Fabric patching kits. Serial No. 422,858; Dec. 26. Class 5.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Flavored preparation of calcium mandelate powder. Serial No. 424,816; Dec. 26. Class 6.
Mid-West Coolers, Inc., St. Louis, Mo. Refrigerant-separator-recirculator units. Serial No. 424,137; Dec. 26. Class 31.
Midwest Smokeless Fuel Corporation, St. Louis, Mo. Processed coal fuel. Serial No. 425,286; Dec. 26. Class 1.
Milwaukee Lace Paper Company, Milwaukee, Wis. Shelf paper. Serial No. 424,096; Dec. 26. Class 37.
Mobile Paint Mfg. Company, Inc., Mobile, Ala., and Wilmington, Del. Paste paint, ready mixed paint, paint enamels, etc. Serial No. 423,768; Dec. 26. Class 16.
Monk, Albert, Los Angeles, Calif. Preparation for the treatment of paroxysms of bronchial asthma and of hay fever. Serial No. 423,706; Dec. 26. Class 6.
National Accessories Stores Inc., Utica, N. Y. Anti-freezing solution. Serial No. 423,044; Dec. 26. Class 6.
National Blouse Corporation, New York, N. Y. Ladies' dresses. Serial No. 423,857; Dec. 26. Class 39.
National Carbon Company, Inc., New York, N. Y. Electric dry cell batteries. Serial No. 420,335; Dec. 26. Class 21.
National Carbon Company, Inc., New York, N. Y. Electric dry cell batteries. Serial No. 424,177; Dec. 26. Class 21.
National Distillers Products Corporation, New York, N. Y. Whiskey. Serial No. 425,482; Dec. 26. Class 49.
National Lead & Oil Company of Pa., Pittsburgh, Pa. White lead. Serial No. 418,847; Dec. 26. Class 16.
New England Tank & Tower Company, Everett, Mass. Agitating and mixing machinery. Serial No. 419,036; Dec. 26. Class 23.
Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Insecticidal composition for use on plants. Serial No. 424,439; Dec. 26. Class 6.
Nicholson, Roscoe M., doing business as Nicholson Chemical Co., Los Angeles, Calif. Liquid medicine. Serial No. 423,708; Dec. 26. Class 6.
Northern Malleable Iron Company, St. Paul, Minn. Malleable iron castings. Serial No. 424,818; Dec. 26. Class 14.
Nu-Life Hair Growing System. (See Daniels, Burley A.)
Oliver Farm Equipment Company, Chicago, Ill. Plows, plow shares, and parts thereof. Serial No. 424,666; Dec. 26. Class 23.
Parfums Corday, Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 420,540; Dec. 26. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation used in the treatment of retarded or impaired sexual development and function. Serial No. 424,364; Dec. 26. Class 6.
Peerless Manufacturing Corp., Louisville, Ky. Stokers. Serial No. 424,972; Dec. 26. Class 34.
Penn Electric Switch Co., Goshen, Ind. Electric damper motors. Serial No. 420,185; Dec. 26. Class 21.
Pepperell Manufacturing Company, Boston, Mass. Bed sheets, pillow slips, sheeting, etc. Serial No. 425,426; Dec. 26. Class 42.
Petrol Corporation, The, Los Angeles, Calif. Gasoline. Serial No. 419,346; Dec. 26. Class 15.
Piazza, Lawrence P., doing business as Community Produce Co., Boston, Mass. Fresh celery. Serial No. 423,032; Dec. 26. Class 46.
Pittsburgh Crucible Steel Company, Midland, Pa. Tin. Serial No. 424,555; Dec. 26. Class 14.
Powell, William, & Sons (Gunmakers) Limited, Birmingham, England. Sporting guns and rifles. Serial No. 422,486; Dec. 26. Class 9.
Pozzorite Corporation, The. (See Chamco Trading Corporation, assignor.)
Prendiville, Jane, New York, N. Y. Children's dresses and rompers. Serial No. 422,296; Dec. 26. Class 39.
Printz-Biederman Company, The, Cleveland, Ohio. Women's coats. Serial No. 422,150; Dec. 26. Class 39.
Rachelson, Sam, doing business as Southern Merchandise Company, Atlanta, Ga. Handkerchiefs. Serial No. 424,312; Dec. 26. Class 39.
Rachelson, Sam, doing business as Southern Merchandise Company, Atlanta, Ga. Handkerchiefs. Serial No. 424,314; Dec. 26. Class 39.
Rostone Corporation, Lafayette, Ind. Molded articles of electrical-insulating material. Serial No. 422,072; Dec. 26. Class 21.
Rubin, Samuel, New York, N. Y. Perfume. Serial No. 424,410; Dec. 26. Class 6.
Saine, Leonard W., Orlando, Fla. Cast iron pipe and pipe fittings. Serial No. 423,510; Dec. 26. Class 13.
Salto, A., Societa Anonima, Trieste, Italy. Cigarette paper. Serial No. 411,909; Dec. 26. Class 8.
Sayles Finishing Plants, Inc., Saylesville, R. I. Piece goods. Serial No. 423,741; Dec. 26. Class 42.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 424,208; Dec. 26. Class 6.
Scientific Glass Apparatus Co. (See Geyer, William O.)
Sears, Roebuck and Co., Chicago, Ill. Corsets. Serial No. 406,069; Dec. 26. Class 39.
Seven Smith Brothers, Inc., Fair Haven, Vt. Shampoo. Serial No. 422,602; Dec. 26. Class 6.
Seymour, Mary, San Francisco, Calif. Hand-blocked piece goods. Serial No. 415,069; Dec. 26. Class 42.
Shapiro, Morris, doing business as Western Sportswear Co., Los Angeles, Calif. Sportswear. Serial No. 424,141; Dec. 26. Class 39.
Sherco Products Corporation, Syracuse, N. Y. Garbage deodorant and disinfectant, insect and animal repellent. Serial No. 424,210; Dec. 26. Class 6.
Shuffle-Bowl Corporation, New York, N. Y. Combination shuffleboard and bowling table game. Serial No. 423,397; Dec. 26. Class 22.
Shuron Optical Company, Inc., Geneva, N. Y. Optical instruments and parts thereof. Serial No. 423,342; Dec. 26. Class 26.
Sigurdson, Thomas, Vernita, Wash. Fresh, packed peaches. Serial No. 422,382; Dec. 26. Class 46.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Silk, rayon, and cotton piece goods and combinations thereof. Serial No. 424,670; Dec. 26. Class 42.
Smart-Maid Coat Co. Inc., New York, N. Y. Coats. Serial No. 420,391; Dec. 26. Class 39.
Sodus Fruit Exchange, Sodus, Mich. Fresh deciduous fruits. Serial No. 423,931; Dec. 26. Class 46.
Southern Merchandise Company. (See Rachelson, Sam.)
Special Milk Products, Inc., Los Angeles, Calif. Milk product. Serial No. 422,420; Dec. 26. Class 46.
Speedtrol, Inc., Lewistown, Pa. Photo-electrically actuated speed control device. Serial No. 419,453; Dec. 26. Class 26.
Speedtrol, Inc., Lewiston, Pa. Photo-electrically actuated speed control device. Serial No. 424,607; Dec. 26. Class 26.
Sports Guild, Inc., New York, N. Y. Dresses, skirts, blouses, etc. Serial No. 424,743; Dec. 26. Class 39.
Square D Company, Detroit, Mich. Float operated electric switches. Serial No. 425,125; Dec. 26. Class 21.
Squibb, E. R., & Sons, New York, N. Y. Laxative preparation. Serial No. 424,316; Dec. 26. Class 6.
Standard Drug Company, Inc., Richmond, Va. Wines. Serial Nos. 425,032–3; Dec. 26. Class 47.
Standard Stoker Company, Inc., The, New York, N. Y. Fuel stokers. Serial No. 424,932; Dec. 26. Class 34.
Steep-A-Lax Company. (See Way, Chester M.)
Stevens, J. & E., Company, The, Cromwell, Conn. Toy pistols. Serial No. 424,114; Dec. 26. Class 22.
Stronge & Lightner Co., Minneapolis, Minn. Women's hats. Serial No. 424,528; Dec. 26. Class 39.
Sword, James, & Son, Limited, Glasgow, Scotland. Whisky. Serial No. 423,184; Dec. 26. Class 49.

Syntron Company, Homer City, Pa. Conveyors, feeder conveyers, dry feeding machines, etc. Serial No. 420,977; Dec. 26. Class 23.
Targ & Dinner, Inc., Chicago, Ill. Wind musical instruments. Serial No. 423,185; Dec. 26. Class 36.
Tripodi, Joseph M., New York, N. Y. Stomach bitters. Serial No. 424,247; Dec. 26. Class 6.
Trojan Products & Mfg. Co. (See Hulsh, B. M.)
Van Ameringen-Haebler, Inc., New York, N. Y. Carbonated beverages and artificial flavors for the manufacture of carbonated beverages. Serial No. 425,169; Dec. 26. Class 45.
Vita-Var Corporation, Newark, N. J. Paints, varnishes, and paint enamels. Serial No. 424,281; Dec. 26. Class 16.
Voigt, J. L., doing business as Voigt's Drug Store, Appleton, Wis. True and false question games. Serial No. 410,156; Dec. 26. Class 22.
Walker Manufacturing Company, Racine, Wis. Automobile jacks. Serial Nos. 424,146–7; Dec. 26. Class 23.
Walsh, James, & Co. Inc., Lawrenceburg, Ind. Corn whiskey. Serial No. 425,442; Dec. 26. Class 49.
Way, Chester M., doing business as Steep-A-Lax Company, Burlington, Vt. Laxative tea. Serial No. 423,448; Dec. 26. Class 6.
Western Sportswear Co. (See Shapiro, Morris.)
Westinghouse Electric & Manufacturing Company, Bloomfield, N. J. Vacuum or gas-filled tubes employed for the generation of radiations. Serial No. 423,019; Dec. 26. Class 21.
Wolf, Milton G., Chicago, Ill. Musical instrument strings. Serial No. 424,320; Dec. 26. Class 36.
Woodling, George V., Cleveland, Ohio. Instrument for giving a measurement of the human body comfort. Serial No. 411,351; Dec. 26. Class 26.
World's Products Company. (See Laymon, Herman B.)
Wright Brothers Company, Lisbon, Ohio. Files. Serial No. 424,453; Dec. 26. Class 23.
Yankee Metal Products Corp., Norwalk, Conn. Vehicle electric directional signals. Serial No. 408,297; Dec. 26. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Medicinal compound. 373,858; Dec. 26; Serial No. 420,241; published Oct. 17, 1939. Class 6.
Acme Chemical Company, Milwaukee, Wis. Powdered chemical for the treatment of water. 373,810; Dec. 26; Serial No. 410,211; published Oct. 17, 1939. Class 6.
Agfa Ansco Corporation, Binghamton, N. Y. Photographic film. 374,001; Dec. 26; Serial No. 422,686; published Oct. 17, 1939. Class 26.
Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic paper. 374,002; Dec. 26; Serial No. 422,687; published Oct. 17, 1939. Class 26.
Agfa Ansco Corporation, Binghamton, N. Y. Photographic goods. 374,003; Dec. 26; Serial No. 422,689; published Oct. 17, 1939. Class 26.
Ahern, Albert M., Santa Monica, Calif. Beverages. 373,975; Dec. 26; Serial No. 422,434; published Oct. 17, 1939. Class 45.
Aktiebolaget Skånska Spisbrödsfabriken, Kristianstad, Sweden. Rye-bread. 373,828; Dec. 26; Serial No. 414,586; published Oct. 17, 1939. Class 46.
Alberto-Culver. (See Culver, Blaine.)
Alco-Gravure Division of Publication Corporation, Chicago, Ill. House organ. 373,892; Dec. 26; Serial No. 421,174; published Oct. 10, 1939. Class 38.
Alfa Company. (See Schade, Marion E.)
Allegheny Chemical Corporation. (See Standard Chemical Works, assignor.)
Allegheny Chemical Corporation, Reading and Womelsdorf, Pa. Insecticides and fungicides. 373,852; Dec. 26; Serial No. 419,492; published Sept. 19, 1939. Class 6.
American Brake Shoe and Foundry Company, The, New York, N. Y. Ferrous metals and ferrous metal castings and forgings. 373,934; Dec. 26; Serial No. 421,833; published Oct. 17, 1939. Class 14.
American Cabinet Hardware Corp., Rockford, Ill. Drawer and door pulls, knobs and hinges. 374,058; Dec. 26. Class 13.
American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Valves, cocks, pipe fittings, etc. 373,895; Dec. 26; Serial No. 421,229; published Oct. 17, 1939. Class 13.
American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Hoists and parts thereof, trolleys for traveling hoists, winches, etc. 373,896; Dec. 26; Serial No. 421,230; published Oct. 17, 1939. Class 23.
American Hair & Felt Company, Chicago, Ill. Thermal insulation blanket and other thermal insulation materials. 373,918; Dec. 26; Serial No. 421,629; published Oct. 10, 1939. Class 12.
American Locomotive Company, Schenectady and New York, to American Locomotive Company, New York, N. Y. Steam-engine reverse-gear. 131,278; renewed May 11, 1940.
American-London Shrinkers Corp., New York, N. Y. Textile fabrics. 373,819; Dec. 26; Serial No. 414,049; published Sept. 12, 1939. Class 42.
American Tool & Machine Co., Boston, to American Tool & Machine Co., Hyde Park, Mass. Machinery and tools. 131,402; renewed May 18, 1940.
American Waltham Watch Company, Waltham, Mass., and New York, N. Y., assignor, by mesne assignments, to Waltham Watch Company, Waltham, Mass. Watch movements. 17,838; re-renewed Apr. 29, 1940.
Anderson Company, The, Gary, Ind. Sleet removing windshield wiper blades. 373,951; Dec. 26; Serial No. 422,118; published Oct. 17, 1939. Class 19.
Anderson, Karl O., Omaha, Nebr. Perfume, toilet water, face powder, etc. 373,903; Dec. 26; Serial No. 421,366; published Oct. 17, 1939. Class 6.
Anglo-American Pharmaceutical Corporation, assignor, by mesne assignments, to Etna Chemical Company, Inc., New York, N. Y. Menthol and wintergreen cream. 127,575; renewed Nov. 18, 1939.
Anton Sales Company, Philadelphia, Pa. Disinfectants. 373,848; Dec. 26; Serial No. 419,137; published Sept. 19, 1939. Class 6.
Anton Sales Company, Philadelphia, Pa. Vitamin product. 373,968; Dec. 26; Serial No. 422,394; published Oct. 10, 1939. Class 6.
Apsley Rubber Company, Hudson, Mass., assignor to United Rubber Company, New York, N. Y. Shoes, outing shoes, and rubber footwear. 128,610; renewed Jan. 13, 1940.
Archer, Pauline A., doing business as Archer Chemical Co., Grand Rapids, Mich. Insecticides. 373,987; Dec. 26; Serial No. 422,502; published Sept. 19, 1939. Class 6.
Arden, Elizabeth, Inc. (See Lewis, Florence N., assignor.)
Arthur, Edna, Inc., Los Angeles, Calif. Face powder, powder foundation, cleansing cream, etc. 373,976; Dec. 26; Serial No. 422,436; published Oct. 17, 1939. Class 6.
Atlantic Mills, Providence, R. I., assignor to A. D. Juilliard & Co., Inc., New York, N. Y. Woolen piece goods. 128,130; renewed Dec. 23, 1939.
Augstein, S., & Co., College Point, N. Y. Piece goods. 373,943; Dec. 26; Serial No. 421,989; published Oct. 17, 1939. Class 42.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Powders. 373,909; Dec. 26; Serial No. 421,506; published Sept. 19, 1939. Class 6.
Bailey Meter Company, Cleveland, Ohio. Meters and devices and charts for use therewith. 374,046; Dec. 26. Class 26.
Baldinger, H., & Company, assignor to Samuel C. Baldinger, doing business as Baldinger Bakery Co., St. Paul, Minn. Bread. 127,759; renewed Nov. 18, 1939.
Basic Dolomite, Inc., Cleveland, Ohio. Refractory clinker preparations and furnace linings. 373,809; Dec. 26; Serial No. 409,455; published Oct. 17, 1939. Class 12.
Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Manicuring kits and implements. 374,011; Dec. 26; Serial No. 422,770; published Oct. 17, 1939. Class 44.
Baxter Laboratories, Inc., Glenview, Ill. Parenteral solutions for injection intravenously and subcutaneously in patients. 373,804–5; Dec. 26; Serial Nos. 408,083–4; published Sept. 19, 1939. Class 6.
Becton, Dickinson & Co., Rutherford, N. J. All-cotton elastic bandage. 130,635; renewed May 4, 1940.
Behr-Manning Corporation, Watervliet and Troy, N. Y. Cylindrical rolls of coated abrasive material. 373,994; Dec. 26; Serial No. 422,653; published Oct. 17, 1939. Class 4.
Belber Trunk & Bag Company, The, Philadelphia, Pa., assignor to The Belber Trunk & Bag Company, Woodbury, N. J. Trunks, suitcases, handbags, etc. 129,977; renewed Mar. 16, 1940.
Boott Mills, Lowell, Mass. Corduroy in the piece. 374,017; Dec. 26; Serial No. 422,889; published Oct. 17, 1939. Class 42.
Boston Varnish Company, Everett, Mass. Paints and enamels. 129,333; renewed Feb. 17, 1940.
Bowes Seal Fast Corporation, Indianapolis, Ind. Tire spreading machines. 374,008; Dec. 26; Serial No. 422,732; published Oct. 17, 1939. Class 23.
Bridgeport Switch Company, Bridgeport, Conn. Electrical supplies. 373,939; Dec. 26; Serial No. 421,917; published Oct. 17, 1939. Class 21.
Brough, Edward, doing business as Brough Bottlers Supply Co., Cleveland, Ohio. Beverages, sirups, and extracts for making the same. 374,027; Dec. 26; Serial No. 423,204; published Oct. 17, 1939. Class 45.
Brown, W. Fulford, doing business as Health Products Co., Sacramento, Calif. Vegetable mineral product used as a supplementary food. 373,908; Dec. 26; Serial No. 421,472; published Sept. 19, 1939. Class 6.

Buckley & Cohen, Incorporated, New York, N. Y. Piece goods. 374,020; Dec. 26; Serial No. 422,923; published Oct. 17, 1939. Class 42.

Burco Products Co. (See Burnstein, Louis.)

Burnett, Joseph, Company, Boston, Mass. Medicinal preparation. 373,854; Dec. 26; Serial No. 419,899; published Oct. 3, 1939. Class 6.

Burnstein, Louis, doing business as Burco Products Co., Platte City, Mo. Cold tablets. 374,022; Dec. 26; Serial No. 423,054; published Oct. 17, 1939. Class 6.

Caled Products Company, Inc., Brentwood, Md. Detergents. 373,989; Dec. 26; Serial No. 422,575; published Oct. 17, 1939. Class 4.

Callaway Mills, La Grange, Ga. Cotton tire fabric in the piece. 373,874; Dec. 26; Serial No. 420,665; published Oct. 17, 1939. Class 42.

Cartmell, H. H., doing business as Old Hickory Laboratories, Chattanooga, Tenn. Ointment. 373,847; Dec. 26; Serial No. 419,100; published Oct. 10, 1939. Class 6.

Chandler-Evans Corporation, South Meriden, Conn. Carburetors and fuel pumps. 373,872; Dec. 26; Serial No. 420,612; published Oct. 17, 1939. Class 23.

Charles of the Ritz, Inc., New York, N. Y. Perfume. 373,862; Dec. 26; Serial No. 420,289; published Sept. 19, 1939. Class 6.

Chicago Pneumatic Tool Company, Chicago, Ill., to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic riveting-hammers. 125,618–19; renewed June 3, 1939.

Chicago Pneumatic Tool Company, Chicago, Ill., to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic riveting-hammers. 125,621; renewed June 3, 1939.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 374,030–1; Dec. 26. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Newspaper column. 374,032; Dec. 26. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 374,033–42; Dec. 26. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Newspaper column. 374,043; Dec. 26. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 374,044; Dec. 26. Class 38.

Clem Chemical Co. (See Fitch, F. W., Company, The.)

Cleveland Twist Drill Company, The, Cleveland, Ohio. Twist drills, reamers, taps, etc. 373,888–9; Dec. 26; Serial Nos. 421,126–7; published Oct. 17, 1939. Class 23.

Coan, Nicholas C., doing business as Redi-Rice Company, Houston, Tex. Rice. 374,049; Dec. 26. Class 46.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 373,835; Dec. 26; Serial No. 417,202; published Oct. 17, 1939. Class 42.

Colgate-Palmolive-Peet Company. (See Peet Bros. Manufacturing Company, assignor.)

Conkey, G. E., Co., The, Cleveland, Ohio. Remedies for diseases of poultry and stock. 127,594–5; renewed Nov. 18, 1939.

Continental Blade Corporation, Brooklyn, N. Y. Razors and razor blades. 374,021; Dec. 26; Serial No. 422,926; published Oct. 17, 1939. Class 23.

Continental Grill, The, Wichita, Kans. Cakes, pies, and pastries. 373,793; Dec. 26; Serial No. 390,631; published Oct. 17, 1939. Class 46.

Contracid Company. (See McNeir, Burrows.)

Cook Coffee Company, Cleveland, Ohio. Soap flakes. 374,054; Dec. 26. Class 4.

Cotopa Limited, Bradford, England. Cotton piece goods. 374,025; Dec. 26; Serial No. 423,128; published Oct. 17, 1939. Class 42.

Cotopa Limited, Bradford, England. Cotton piece goods. 374,026; Dec. 26; Serial No. 423,130; published Oct. 17, 1939. Class 42.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 373,906; Dec. 26; Serial No. 421,421; published Oct. 17, 1939. Class 6.

Coty, Inc., Wilmington, Del., and New York, N. Y. Face powder, dusting powder, toilet water, etc. 373,995; Dec. 26; Serial No. 422,659; published Oct. 17, 1939. Class 6.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 373,996–7; Dec. 26; Serial Nos. 422,660–1; published Oct. 17, 1939. Class 6.

Cowdrey Products Company, Inc., Fitchburg, Mass. Bottle capping equipment. 373,949; Dec. 26; Serial No. 422,087; published Oct. 17, 1939. Class 23.

Creo-Dipt Co., Inc., North Tonawanda, N. Y. Fabricated compressed insulation board, or wall board. 373,961; Dec. 26; Serial No. 422,322; published Oct. 10, 1939. Class 12.

Crowl Chemical Co. (See Dry, Robert L.)

Culver, Blaine, doing business as Alberto-Culver, Los Angeles, Calif. Combined yeast and milk beauty mask. 373,798; Dec. 26; Serial No. 404,691; published June 14, 1938. Class 6.

Curtis, Thomas S., Laboratories, Huntington Park, Calif. Photographic chemicals. 373,954–5; Dec. 26; Serial Nos. 422,198–9; published Oct. 10, 1939. Class 6.

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Perfumes, toilet waters, toilet and face powders, etc. 373,921–2; Dec. 26; Serial Nos. 421,694–5; published Sept. 26, 1939. Class 6.

Davies, William, Company, Limited, The, Chicago, Ill. Bacon, hams, pure lard, etc. 130,695; renewed May 4, 1940.

Davison Chemical Corporation, The, Baltimore, Md. Compound for dehumidification of interior of packages. 373,979; Dec. 26; Serial No. 422,466; published Oct. 17, 1939. Class 6.

Dawn Manufacturing Corp., The, Rochester, N. Y. Desk lamps. 373,942; Dec. 26; Serial No. 421,966; published Oct. 17, 1939. Class 21.

Del Cano, Henry P., doing business as National Cycle Co., Los Angeles, Calif. Vehicle bicycle carriers. 373,864; Dec. 26; Serial No. 420,362; published Oct. 17, 1939. Class 19.

De Luxe Clock & Mfg. Co. Inc., New York, N. Y., assignor to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Alarm-clocks and other clocks. 130,058; renewed Apr. 6, 1940.

Demase, Dominico, doing business as Dominico Demase Co., Ironwood, Mich. Preparation for stimulating growth of hair, scalp invigorator, and for dandruff. 373,956; Dec. 26; Serial No. 422,200; published Sept. 19, 1939. Class 6.

Demotex, Inc., Long Island City, N. Y. Chemical preparation. 373,940; Dec. 26; Serial No. 421,930; published Oct. 3, 1939. Class 6.

Denisk Co., The. (See Eager, James A.)

Dentists' Supply Company of New York, The, New York, N. Y. Artificial teeth. 374,045; Dec. 26; Serial No. 423,494; published Oct. 17, 1939. Class 44.

De Witt, Macdonald, assignor to The News Syndicate Co., Inc., assignor to News Syndicate Co. Inc. Publication. 127,824; renewed Dec. 9, 1939.

Dimaio & Company, Bradford, Pa. Hair tonic. 373,962; Dec. 26; Serial No. 422,357; published Oct. 10, 1939. Class 6.

Drake Laboratories. (See Sun Ray Drug Company.)

Dry, Robert L., doing business as Crowl Chemical Co., Shamokin, Pa. Medicinal preparation for coughs and colds. 373,861; Dec. 26; Serial No. 420,277; published Sept. 19, 1939. Class 6.

Duart Manufacturing Co. Ltd., San Francisco, Calif. Chemical solution. 373,803; Dec. 26; Serial No. 407,370; published Oct. 10, 1939. Class 6.

Duart Manufacturing Co., Ltd., San Francisco, Calif. Chemical heating pads. 374,060; Dec. 26. Class 44.

Dudley, Frank T., Vancouver, British Columbia, Canada. Electric light fixtures. 374,055; Dec. 26. Class 21.

Dudley, Willie R., doing business as Mme. W. R. Dudley Mfg. Co., Washington, D. C. Preparation for stimulating the growth of the hair, hair dressings, etc. 374,024; Dec. 26; Serial No. 423,089; published Oct. 17, 1939. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Airplane dopes and airplane finishes, paint coatings, etc. 373,894; Dec. 26; Serial No. 421,227; published Oct. 17, 1939. Class 16.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Insecticides. 373,992; Dec. 26; Serial No. 422,621; published Oct. 17, 1939. Class 6.

Duryea, Thomas A., Clarkson, N. Y. Newspaper feature. 373,857; Dec. 26; Serial No. 420,220; published Oct. 10, 1939. Class 38.

Eager, James A., doing business as The Denisk Co., Detroit, Mich. Hemostatic preparation. 373,969; Dec. 26; Serial No. 422,400; published Oct. 17, 1939. Class 6.

Eisendrath, B. D., Tanning Company, Chicago, Ill. Leather. 373,811; Dec. 26; Serial No. 410,426; published Oct. 17, 1939. Class 1.

Eisenhart, Dr. W. E., Health Products Company, Inc., Kansas City, Mo. Laxative. 373,980; Dec. 26; Serial No. 422,469; published Oct. 17, 1939. Class 6.

Eisenhart, Dr. W. E., Health Products Co., Incorporated, Kansas City, Mo. Rectal salve. 373,981; Dec. 26; Serial No. 422,470; published Oct. 17, 1939. Class 6.

Elkram & Company. (See Markle, George B., Jr.)

Embalmers' Supply Company, The, Westport, Conn. Embalming fluid. 131,453; renewed May 18, 1940.

Etna Chemical Company, Inc. (See Anglo-American Pharmaceutical Corporation, assignor.)

Euclid Road Machinery Company, The, Euclid, Ohio. Motor driven and trailer materials-handling equipment. 373,795; Dec. 26; Serial No. 394,481; published Oct. 17, 1939. Class 19.

Eureka Fire Hose Company, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Hydraulic hose. 17,641; re-renewed Mar. 11, 1940.

Evan's, L. B., Son Company, Wakefield, Mass. Moccasin slippers. 373,836; Dec. 26; Serial No. 417,207; published June 13, 1939. Class 39.

Faith, Charles, doing business as Standard Health Products Company, Cincinnati, Ohio. Preparation for use as a digestant. 373,890; Dec. 26; Serial No. 421,133; published Oct. 17, 1939. Class 6.

Falk Products Company, Cadillac, Mich. Bread. 373,875; Dec. 26; Serial No. 420,754; published Oct. 17, 1939. Class 46.

Fasteeth, Incorporated, Binghamton, N. Y. Dental plate powder. 373,915; Dec. 26; Serial No. 421,601; published Sept. 26, 1939. Class 6.

Fasteeth, Incorporated, Binghamton, N. Y. Dental plate powder. 373,925; Dec. 26; Serial No. 421,768; published Oct. 3, 1939. Class 6.

Fawcett Publications, Inc., Greenwich, Conn. Magazines. 373,794; Dec. 26; Serial No. 391,269; published Oct. 17, 1939. Class 38.

Federal Snap Fastener Corporation, New York, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners and placket-fasteners. 128,693; renewed Jan. 13, 1940.

Fitch, F. W., Company, The, Des Moines, Iowa. Liquid product for use in stopping runs in hosiery. 373,907; Dec. 26; Serial No. 421,427; published Sept. 19, 1939. Class 6.

Fitch, F. W., Company, The, doing business as Clem Chemical Co., Des Moines, Iowa. Liquid product for use in water solution for treating hosiery. 373,880; Dec. 26; Serial No. 420,946; published Oct. 10, 1939. Class 6.

Fitzpatrick, W. J., Company, The, Chicago, Ill. Lecithinated salt. 373,986; Dec. 26; Serial No. 422,500; published Oct. 17, 1939. Class 46.

Fleisher Yarns, Inc., New York, N. Y. Yarns. 374,047; Dec. 26. Class 43.

Fletcher Products, Inc., Los Angeles, Calif. Cough syrup and expectorant. 373,807; Dec. 26; Serial No. 408,881; published Nov. 29, 1939. Class 6.

Foundation Worsted Mills, Portland, Oreg. Interlining materials in the piece. 373,970; Dec. 26; Serial No. 422,403; published Oct. 17, 1939. Class 42.

Franklin Simon & Co., Inc., New York, N. Y. Garments. 130,575; renewed Apr. 27, 1940.

French-Wolf Paint Products Corporation, Philadelphia, Pa. Thinner, mixer, and diluting material. 373,960; Dec. 26; Serial No. 422,310; published Oct. 17, 1939. Class 16.

General Electric Company, Schenectady, N. Y. Shut-off valves. 373,916; Dec. 26; Serial No. 421,607; published Oct. 17, 1939. Class 13.

Geuda Mineralized Health Food Co. (See Miller, Samuel H.)

Glarden, Alfred, New York, N. Y. Watches and parts thereof. 374,004; Dec. 26; Serial No. 422,699; published Oct. 17, 1939. Class 27.

Grand, Benzion I., Brooklyn, N. Y. Pamphlets. 373,791; Dec. 26; Serial No. 371,535; published Oct. 10, 1939. Class 38.

Hamilton Watch Company, Lancaster, Pa. Pocket watches and wrist watches, watch cases, etc. 373,853; Dec. 26; Serial No. 419,574; published Oct. 17, 1939. Class 27.

Hamilton Watch Company, Lancaster, Pa. Pocket watches and wrist watches, watch cases, etc. 373,859; Dec. 26; Serial No. 420,251; published Oct. 17, 1939. Class 27.

Hamilton Watch Company, Lancaster, Pa. Pocket watches and wrist watches, watch cases, etc. 373,860; Dec. 26; Serial No. 420,253; published Oct. 17, 1939. Class 27.

Hanke, Emil J., Beverly Hills, Calif. Medical preparation for relieving pain. 373,990; Dec. 26; Serial No. 422,581; published Sept. 19, 1939. Class 6.

Haveg Corporation, Newark, Del. Corrosion resistant chemical compound. 374,009; Dec. 26; Serial No. 422,746; published Oct. 17, 1939. Class 6.

Hawkins Food Processing Company, Seattle, Wash. Color preservative for foodstuffs. 373,958; Dec. 26; Serial No. 422,246; published Oct. 17, 1939. Class 6.

Health Products Co. (See Brown, W. Fulford.)

Hemingway, H. C., & Company, Auburn, N. Y. Canned fruits and vegetables. 373,885; Dec. 26; Serial No. 421,039; published Oct. 17, 1939. Class 46.

Hercules Powder Company, Wilmington, Del. Rosin size and aluminum sulphate. 373,868; Dec. 26; Serial No. 420,525; published Oct. 17, 1939. Class 6.

Hirsch, Helen, doing business as Transatlantique Export Co., New York, N. Y. Smoked fish. 373,926; Dec. 26; Serial No. 421,775; published Oct. 17, 1939. Class 46.

Holton & Adams, New York, N. Y. Powdered preparation in the nature of a soap. 131,492; renewed May 18, 1940.

Hooker, Alby L., Otterville, Ontario, Canada. Medicinal treatment for fungous affections of the skin. 373,865; Dec. 26; Serial No. 420,439; published Sept. 19, 1939. Class 6.

Huttig Sash & Door Company, St. Louis, Mo. Liquid insecticides. 373,840; Dec. 26; Serial No. 418,640; published Oct. 10, 1939. Class 6.

Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Disodium salt of disulphonate of phenol-tetrabrom-phthalein, and solutions of the same. 373,899; Dec. 26; Serial No. 421,306; published Sept. 19, 1939. Class 6.

Infant Industries Inc., San Francisco, Calif. Infant bottle holders. 373,952; Dec. 26; Serial No. 422,135; published Oct. 17, 1939. Class 50.

International Union of United Brewery, Flour, Cereal, and Soft Drink Workers of America, The, Cincinnati, Ohio. Hops. 374,010; Dec. 26; Serial No. 422,747; published Oct. 17, 1939. Class 1.

Jewel Tea Co., Inc., Barrington, Ill. Glass ovenware. 373,841; Dec. 26; Serial No. 418,779; published Oct. 17, 1939. Class 33.

Jindrich, E. S., Cicero, Ill. Mosquito repellent creams. 373,917; Dec. 26; Serial No. 421,613; published Sept. 26, 1939. Class 6.

Johnson Oil Refining Company, Chicago, Ill. Motor oil. 373,957; Dec. 26; Serial No. 422,212; published Oct. 10, 1939. Class 15.

Johnson, Robert L., Magazines, Inc., New York, N. Y. Magazine. 373,944–5; Dec. 26; Serial Nos. 422,055–6; published Oct. 10, 1939. Class 38.

Jordan, Charles D., doing business as C. D. Jordan's Laboratory, Monticello, Ga. Vermifuge. 374,018; Dec. 26; Serial No. 422,899; published Oct. 17, 1939. Class 6.

Juillard, A. D., & Co., Inc. (See Atlantic Mills, assignor.)

Kann, Lee H., doing business as The M. J. Laboratories, Guttenberg, Iowa. Ointment for cuts, burns, boils, etc. 373,867; Dec. 26; Serial No. 420,486; published Sept. 19, 1939. Class 6.

Karp, Joseph H., New York, N. Y. Liquid soap shampoo and compound shampoo. 373,878; Dec. 26; Serial No. 420,862; published Oct. 10, 1939. Class 6.

Katakura Seishi Boseki Kabushiki Kaisha, Tokyo, Japan. Raw silk, rayon, tussah silk fabric, etc. 373,823–5; Dec. 26; Serial Nos. 414,297–9; published Oct. 17, 1939. Class 1.

Kaykitt, Annette, doing business as Kittanne Laboratory, New York, N. Y. Preparation for removing corns and callouses and for relieving rheumatic and lumbago pains. 373,935; Dec. 26; Serial No. 421,851; published Oct. 17, 1939. Class 6.

Keasbey & Mattison Company, Ambler, Pa. Magnesium carbonate and magnesium oxide. 373,963; Dec. 26; Serial No. 422,362; published Oct. 10, 1939. Class 6.

Kellogg Seed Company, Milwaukee, Wis. Field and grass seeds. 131,150; renewed May 4, 1940.

Kittanne Laboratory. (See Kaykitt, Annette.)

Kost, John W., Newton Falls, Ohio. Preparation for removing corns, callouses, warts, etc. 373,851; Dec. 26; Serial No. 419,483; published Oct. 17, 1939. Class 6.

Lauterbach, John, Company, Philadelphia, Pa. Dental floss and applicator. 373,812; Dec. 26; Serial No. 410,740; published Oct. 17, 1939. Class 44.

La Varre, William, New York, N. Y. News column or section and a news feature. 373,919; Dec. 26; Serial No. 421,662; published Oct. 10, 1939. Class 38.

Laxa-Seltzer Laboratories, Pittsburgh, Pa., assignor, by mesne assignments, to Miles Laboratories, Inc. Laxative. 373,801; Dec. 26; Serial No. 405,849; published Mar. 21, 1939. Class 6.

Lea, R. J., Limited, Manchester, assignor to John Sinclair Limited, Newcastle-on-Tyne, England. Cigarettes. 128,100–1; renewed Dec. 23, 1939.

Lewis, Florence N., assignor to Elizabeth Arden, Inc., New York, N. Y. Cake face-powder. 131,532; renewed May 18, 1940.

Light & Power Patented Utilities Co., Inc., New York, N. Y. Reflectors. 373,834; Dec. 26; Serial No. 417,176; published Oct. 17, 1939. Class 34.

Loewenstein, Hermann, New York, N. Y. Calf leather and shoe upper leathers. 373,993; Dec. 26; Serial No. 422,630; published Oct. 17, 1939. Class 1.

Lombardi Wines Ltd., also doing business as Lombardi Products, Los Angeles, Calif. Wine vinegar. 373,959; Dec. 26; Serial No. 422,291; published Oct. 17, 1939. Class 46.

Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft, Gampel and Basel, Switzerland. Preparations for destroying snails and mollusks. 373,813; Dec. 26; Serial No. 411,000; published June 27, 1939. Class 6.

Lorenz Company, The, Everett, Mass., assignor to Mihalovitch Brothers Company, assignor, by mesne assignments, to The Zanol Products Company, Cincinnati, Ohio. Toilet lotion. 131,539; renewed May 18, 1940.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and syrups or concentrates for making the same. 373,829; Dec. 26; Serial No. 415,723; published Oct. 17, 1939. Class 46.

Lux Clock Manufacturing Company, Inc., The. (See De Luxe Clock & Mfg. Co. Inc., assignor.)

Lynn Chemical Co. (See Pfeiffer, S., Mfg. Co.)

M. J. Laboratories, The. (See Kann, Lee H.)

Macy, R. H., & Co., Inc., New York, N. Y. Slide fasteners. 373,991; Dec. 26; Serial No. 422,589; published Oct. 17, 1939. Class 13.

Malott, H. F., Shoe Co., Chicago, Ill. Boys' and girls' shoes. 130,810; renewed May 4, 1940.

Maltine Company, The, New York, N. Y. Medicinal compounds. 373,936; Dec. 26; Serial No. 421,854; published Oct. 3, 1939. Class 6.

Markle, George B., Jr., doing business as Elkram & Company, Hazleton, Pa. Suction-headed metal pins. 373,806; Dec. 26; Serial No. 408,653; published Oct. 17, 1939. Class 13.

Marta Cigar Co., New York, N. Y. Cigars. 374,019; Dec. 26; Serial No. 422,904; published Oct. 17, 1939. Class 17.

McCauley, J. E., Mfg. Co., Chicago, Ill. Electric arc lamps. 373,883; Dec. 26; Serial No. 421,003; published Oct. 17, 1939. Class 26.

McNeir, Burrows, doing business as Contracid Company, Warrenton, Va. Medicinal preparation for acidity. 373,843; Dec. 26; Serial No. 418,885; published Sept. 19, 1939. Class 6.

Medical Chemicals, Inc., Baltimore, Md. Germicidal and fungicidal preparations. 373,904; Dec. 26; Serial No. 421,386; published Sept. 19, 1939. Class 6.

Merrell, Wm S., Company, The, Cincinnati, Ohio. Antiseptic and germicidal preparation. 373,950; Dec. 26; Serial No. 422,112; published Oct. 10, 1939. Class 6.

Meyer & Lange, Inc., New York, N. Y. Rum. 374,059; Dec. 26. Class 49.

Meyerhoff, Frieda, Milwaukee, Wis. Cleansing cream, skin freshener, astringent, etc. 373,845; Dec. 26; Serial No. 419,002; published Oct. 17, 1939. Class 6.

Mihalovitch Brothers Company. (See Lorenz Company, The, assignor.)

Miles Laboratories, Inc. (See Laxa-Seltzer Laboratories, assignor.)

Miller, Samuel H., doing business as The Geuda Mineralized Health Food Co., Rock Island, Ill. Therapeutic health foods. 373,822; Dec. 26; Serial No. 414,200; published Oct. 10, 1939. Class 6.

Milton Manufacturing Company, Limited, assignor to Milton Proprietary Limited, London, England. Disinfecting fluids. 129,379; renewed Feb. 17, 1940.

Minnesota and Ontario Paper Company, The, Minneapolis and International Falls, Minn. A-2 printing paper. 374,016; Dec. 26; Serial No. 422,844; published Oct. 17, 1939. Class 37.

Moore, Walter B., Inc., West Lafayette, Ohio. Hollow ware, porcelain. 374,053; Dec. 26. Class 30.

National Coal Association, Washington, D. C. House organ. 373,964–5; Dec. 26; Serial Nos. 422,373–4; published Oct. 10, 1939. Class 38.

National Cycle Co. (See Del Cano, Henry P.)

National Institute of Nutrition, Los Angeles, Calif. Tablets containing vitamin C. 373,831; Dec. 26; Serial No. 415,994; published Mar. 28, 1939. Class 6.

National Steel & Copper Plate Co., Chicago, Ill. Metals. 130,554; renewed Apr. 27, 1940.

Neurite Medicine Company. (See Sines, L. F.)

Newport Industries, Inc., Pensacola, Fla. Emulsifiable pine oil. 373,905; Dec. 26; Serial No. 421,395; published Sept. 19, 1939. Class 6.

News Syndicate Co. Inc. (See De Witt, Macdonald, assignor.)

Noonan, T., & Sons Company, Boston, Mass. Hair-tonic. 128,472; renewed Jan. 6, 1940.

North American Lace Co., Inc., New York, N. Y., and Philadelphia, Pa. Lace fabrics in the piece and lace curtains. 374,005; Dec. 26; Serial No. 422,711; published October 17, 1939. Class 42.

Norwich Pharmacal Company, The, Norwich, N. Y. Skin cream. 373,838; Dec. 26; Serial No. 418,260; published May 23, 1939. Class 6.

Old Hickory Laboratories. (See Cartmell, H. H.)

Omaha Flour Mills Co., assignor to Omar Incorporated, Omaha, Nebr. Flour. 130,220; renewed Apr. 13, 1940.

Omar Incorporated. See Omaha Flour Mills Co., assignor.)

Opotow Dental Manufacturing Corporation, New York, N. Y. Bite plates, dental articulators, etc. 374,012; Dec. 26; Serial No. 422,784; published October 17, 1939. Class 44.

Optimus Pharmaceuticals Company, Taylors, S. C. Preparation for treatment of dysmenorrhea. 373,927; Dec. 26; Serial No. 421,812; published Oct. 3, 1939. Class 6.

Orlik, Hedwig, New York, N. Y. Perfumes, lotions, bath oil, etc. 373,814; Dec. 26; Serial No. 412,827; published Mar. 21, 1939. Class 6.

Osthy and Barton Company, Providence, R. I. Jewelry. 373,832; Dec. 26; Serial No. 416,157; published Oct. 10, 1939. Class 28.

Oster Manufacturing Company, The, Cleveland, Ohio. Power and hand pipe and rod threading and cutting machines and parts for the same, etc. 373,792; Dec. 26; Serial No. 379,710; published Oct. 17, 1939. Class 23.

Ottoboni, Fred L., Santa Rosa, Calif. Italian food seasoning. 374,056; Dec. 26. Class 46.

Oxford University Press New York, Inc., New York, N. Y. Books, pamphlets, periodicals, etc. 373,900–1; Dec. 26; Serial Nos. 421,317–18; published Oct. 10, 1939. Class 38.

Parfumerie Caron. (See Daltroff, E., & Cie.)

Parfums Corday, Inc., New York, N. Y. Perfume. 373,886; Dec. 26; Serial No. 421,050; published Sept. 26, 1939. Class 6.

Parke, Davis & Company, Detroit, Mich. Surgical pad which exerts an antiseptic and germicidal effect. 373,881; Dec. 26; Serial No. 420,965; published Sept. 19, 1939. Class 6.

Peet Bros. Manufacturing Company, Kansas City, Kans., assignor, by mesne assignments, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 131,208; renewed May 4, 1940.

Pepper, Dr., Bottling Company, Marion, Va. Beverages, syrups, extracts, etc. 374,028; Dec. 26; Serial No. 423,209; published Oct. 17, 1939. Class 45.

Perfect Circle Company, The, Hagerstown, Ind. Trade publication. 373,799; Dec. 26; Serial No. 405,663; published Oct. 17, 1939. Class 38.

Perret et Berthoud, Société Anonyme, Geneva, Switzerland. Watches and parts thereof, stop watches, alarm clocks, etc. 373,897; Dec. 26; Serial No. 421,293; published Oct. 17, 1939. Class 27.

Perry Brothers, Incorporated, Lufkin, Tex. Writing paper and envelopes. 374,006; Dec. 26; Serial No. 422,715; published Oct. 17, 1939. Class 37.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Cough syrup. 373,966; Dec. 26; Serial No. 422,376; published Oct. 10, 1939. Class 6.

Pfeiffer, S., Mfg. Co., doing business as Lynn Chemical Co., St. Louis, Mo. Medicinal preparation. 373,846; Dec. 26; Serial No. 419,041; published Oct. 17, 1939. Class 6.

Pillsbury Flour Mills Company, Minneapolis, Minn. Durum wheat flour. 373,855; Dec. 26; Serial No. 419,977; published Oct. 17, 1939. Class 46.

Piso Company, The, Warren, Pa. Preparation for coughs and colds. 131,363; renewed May 11, 1940.

Plomocite Products, Inc., Denver, Colo. Fluid composition for cleansing glass and similar surfaces. 373,967; Dec. 26; Serial No. 422,377; published Oct. 17, 1939. Class 4.

Price, Joice W., doing business as San Jose Pharmacy Company and Price Co. Chemists, San Benito, Tex. Fly spray insecticide, skin liquid for treatment of athlete's foot, etc. 373,928; Dec. 26; Serial No. 421,814; published Oct. 17, 1939. Class 6.

Price, Marian E., Mount Morris, Ill. Periodical. 373,849; Dec. 26; Serial No. 419,235; published Oct. 10, 1939. Class 38.

Price, Thalia, and Ethel Usher, Los Angeles, Calif. Nail cream. 373,898; Dec. 26; Serial No. 421,294; published Oct. 3, 1939. Class 6.

Princeton Knitting Mills, Incorporated, Watertown, Conn., and New York, N. Y. Knitted rayon textile fabrics in the piece. 374,029; Dec. 26; Serial No. 423,229; published Oct. 17, 1939. Class 42.

Public Utilities Honduras Corporation, Wilmington, Del., and New York, N. Y. Coffee. 373,978; Dec. 26; Serial No. 422,459; published Oct. 17, 1939. Class 46.

Pupfume Company, The, Noroton, Conn. Liquid preparation to be applied to dogs' fur for elimination of odors. 373,913; Dec. 26; Serial No. 421,580; published Oct. 3, 1939. Class 6.

Purepac Corporation, New York, N. Y. Tablets taken internally for the relief of hay fever symptoms and the like. 373,929; Dec. 26; Serial No. 421,815; published Oct. 3, 1939. Class 6.

Pyrene Manufacturing Company, Newark, N. J. Chemical charges for fire extinguishers. 373,902; Dec. 26; Serial No. 421,323; published Sept. 19, 1939. Class 6.

Ray, John M., Copiague, N. Y. Cosmetics. 373,808; Dec. 26; Serial No. 409,139; published Oct. 17, 1939. Class 6.

Redi-Rice Company. (See Coan, Nicholas C.)

Rennick, William H., Macon, Mo. Beverage. 373,971; Dec. 26; Serial No. 422,419; published Oct. 17, 1939. Class 45.

Renold and Coventry Chain Company Limited, The, Didsbury, England. Chain wheels, mortise chains, stationary-operated conveyor machinery, etc. 373,826; Dec. 26; Serial No. 414,509; published Oct. 17, 1939. Class 23.

Renold and Coventry Chain Company Limited, The, Didsbury, England. Power transmission chains and spigot pins and stay bars therefor. 373,827; Dec. 26; Serial No. 414,510; published Oct. 10, 1939. Class 13.

Revlon Products Corporation, New York, N. Y. Enamel adapted for coating finger nails. 373,953; Dec. 26; Serial No. 422,151; published Sept. 19, 1939. Class 6.

Rhoads, Edwin K., assignor to Rhoads & Company, Philadelphia, Pa. Bedspreads, sheets, pillowcases, etc. 131,220; renewed May 4, 1940.

Roe, A. V., & Co. Limited, Manchester, England. Turnbuckles, metal name-plates, and metal instruction-plates. 129,209–10; renewed Jan. 27, 1940.

Rogers, William L., Long Beach, Calif. General body tonic. 373,833; Dec. 26; Serial No. 416,519; published Oct. 17, 1939. Class 6.

Rossmar Laboratories, Philadelphia, Pa. Hematinic and hemogenic. 373,891; Dec. 26; Serial No. 421,161; published Sept. 26, 1939. Class 6.

Rubinstein, Helena, Inc., New York, N. Y. Lipsticks, nail enamel, rouge, etc. 373,876; Dec. 26; Serial No. 420,781; published Oct. 17, 1939. Class 6.

Rubinstein, Helena, Inc., New York, N. Y. Mascara and eye shadow cream. 373,924; Dec. 26; Serial No. 421,747; published Oct. 17, 1939. Class 6.

Sage, Peggy, Inc., New York, N. Y. Nail polish. 374,013; Dec. 26; Serial No. 422,785; published Oct. 17, 1939. Class 6.

Sahuara Chemical Company, Downey, Calif. Soap and soap preparations. 373,937; Dec. 26; Serial No. 421,904; published Oct. 17, 1939. Class 4.

San Jose Pharmacy Company. (See Price, Joice W.)

Scadron, Joseph, New York, N. Y. Ophthalmic lenses; eyeglass and spectacle frames and mountings. 373,923; Dec. 26; Serial No. 421,715; published Oct. 17 1939. Class 26.

Schade, Marion E., doing business as Alfa Company, St. Louis, Mo. Beverages. 373,839; Dec. 26; Serial No. 418,313; published Oct. 17, 1939. Class 45.

Scherk, Ludwig, Inc., New York, N. Y. After shaving lotion. 373,796; Dec. 26; Serial No. 395,631; published Oct. 17, 1939. Class 6.

Schoenberger, W. J., Company, The, Cleveland, Ohio. Valves and valve fittings. 373,893; Dec. 26; Serial No. 421,202; published Oct. 17, 1939. Class 13.

Schoenhofen Edelweiss Company, Chicago, Ill. Malt tonic. 373,982; Dec. 26; Serial No. 422,488; published Oct. 17, 1939. Class 48.

Service Beauty & Barber Supply Co., The, Wichita, Kans. Permanent waving solution, shampoo, wave oil, etc. 373,873; Dec. 26; Serial No. 420,646; published Oct. 17, 1939. Class 6.

Seydel Products Company. (See Wagenknecht, Martha C.)

Simmons Hardware Company, St. Louis, Mo. Skates. 127,786; renewed Dec. 2, 1939.

Simmons Hardware Company, St. Louis, Mo. Shovels, spades, and scoops. 127,989; renewed Dec. 16, 1939.

Simmons Hardware Company, St. Louis, Mo. Bicycle-tires and inner tubes. 128,169; renewed Dec. 23, 1939.

Sinclair, John, Limited. (See Lea, R. J., Limited, assignor.)

Sines, L. F., doing business as Neurite Medicine Company, Jonesboro, Ind. Medical preparation for rheumatism, neuritis, etc. 373,869; Dec. 26; Serial No. 420,546; published Sept. 19, 1939. Class 6.

Smith, Hobart H., Paducah, Ky. Preparation for the hair and scalp. 373,941; Dec. 26; Serial No. 421,951; published Sept. 19, 1939. Class 6.

Southwestern Drug Corporation, Waco, Tex. Boric acid, carbolic acid, alum, etc. 373,820–1; Dec. 26; Serial Nos. 414,165–6; published Sept. 19, 1939. Class 6.

Sparaga, John F., Center Line, Mich. Ointment for treatment of piles. 373,863; Dec. 26; Serial No. 420,292; published Sept. 19, 1939. Class 6.

Speedograph Corporation of America, Los Angeles, Calif. Speed recorder for motor vehicles and airplanes. 373,800; Dec. 26; Serial No. 404,782; published Oct. 17, 1939. Class 26.

Spencerian Pen Company, The, New York, N. Y. Lettering and sketching pens. 374,007; Dec. 26; Serial No. 422,717; published Oct. 17, 1939. Class 37.

Sproule, Mary M., Westmount, Quebec, Canada. Laxatives. 373,815; Dec. 26; Serial No. 413,422; published Sept. 26, 1939. Class 6.

Standard Chemical Works, assignor to Allegheny Chemical Corporation, Reading, Pa. Combined insecticide and fungicide. 131,626; renewed May 18, 1940.

Standard Distillers Products, Inc., Baltimore, Md. Whiskey, gin, rum, brandy, etc. 374,061; Dec. 26. Class 49.

Standard Health Products Company. (See Faith, Charles.)

Stanis. (See Stanley, Sinclair G.)

Stanley, Sinclair G., doing business as Stanis, Chicago, Ill. Cologne. 373,884; Dec. 26; Serial No. 421,017; published Sept. 19, 1939. Class 6.

Star-Peerless Brewery Company, Belleville, Ill. Beer. 373,818; Dec. 26; Serial No. 413,961; published Oct. 17, 1939. Class 48.

Stearns, Frederick, & Company, Detroit, Mich. Hop flavoring for malt beverages. 374,023; Dec. 26; Serial No. 423,074; published Oct. 17, 1939. Class 48.

Stedfast Rubber Company, Inc., Boston, Mass. Rubberized hospital sheeting. 373,946; Dec. 26; Serial No. 422,076; published Oct. 17, 1939. Class 44.

Steel Products Manufacturing Company, St. Louis, Mo. Can openers. 373,866; Dec. 26; Serial No. 420,470; published Oct. 17, 1939. Class 23.

Stephens, Truman E., doing business as Trulyn Shippers, Edinburg, Tex. Fresh vegetables and fruits. 373,877; Dec. 26; Serial No. 420,785; published Oct. 17, 1939. Class 46.

Stroock & Wittenberg Corporation, New York, N. Y. Resins. 373,998–374,000; Dec. 26; Serial Nos. 422,676–8; published Oct. 17, 1939. Class 1.

Sun Ray Drug Company, doing business as Drake Laboratories, Philadelphia, Pa. Deodorant. 373,797; Dec. 26; Serial No. 400,661; published Mar. 8, 1938. Class 6.

Swartzbaugh Manufacturing Company, The. (See Toledo Cooker Company, The.)

Syfo Spring Water Company, Kansas City, Mo. Beverage. 373,988; Dec. 26; Serial No. 422,558; published Oct. 17, 1939. Class 45.

Tabin-Picker & Company, Chicago, Ill. Piece goods. 373,887; Dec. 26; Serial No. 421,106; published Oct. 17, 1939. Class 42.

Taylor, K., Distilling Co., Inc., The, Frankfort, Ky. Whiskey. 374,052; Dec. 26. Class 49.

Taylor Wine Company, The, Hammondsport, N. Y. Wines. 373,930–2; Dec. 26; Serial Nos. 421,818–20; published Oct. 17, 1939. Class 47.

Tiedemann & McMorran, San Francisco, Calif. Canned fruits, vegetables, fruit cocktail, etc. 373,983; Dec. 26; Serial No. 422,495; published Oct. 17, 1939. Class 46.

Todd, A. M., Company, Kalamazoo, Mich. Rectified oil of peppermint. 373,947; Dec. 26; Serial No. 422,078; published Sept. 26, 1939. Class 6.

Toledo Cooker Company, The, Toledo, Ohio, now, by change of name, to The Swartzbaugh Manufacturing Company. Steam-cookers. 130,585; renewed Apr. 27, 1940.

Tower Brand Yarn Corp., New York, N. Y. Embroidered imitation Persian lamb fur. 373,870; Dec. 26; Serial No. 420,549; published Oct. 17, 1939. Class 42.

Transatlantique Export Co. (See Hirsch, Helen.)

Trulyn Shippers. (See Stephens, Truman E.)

Tummins, S. H., Houston, Tex. Metal clips. 373,882; Dec. 26; Serial No. 420,981; published Oct. 17, 1939. Class 13.

Turner-Plister Chemical Corporation, Ridgefield, N. J. Moth-proofing compositions. 373,972; Dec. 26; Serial No. 422,422; published Oct. 17, 1939. Class 6.

Turner-Plister Chemical Corporation, Ridgefield, N. J. Moth-proofing compositions. 373,973; Dec. 26; Serial No. 422,427; published Oct. 17, 1939. Class 6.

Turner & Walls, assignor, by mesne assignments, to Albert H. Vandam Co., Inc., New York, N. Y. Broadcloth. 131,644; renewed May 18, 1940.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 374,051; Dec. 26. Class 43.

United Co-Operatives, Inc., Indianapolis, Ind. Forks, hoes, rakes, etc. 373,837; Dec. 26; Serial No. 417,561; published Oct. 17, 1939. Class 23.

United States Gypsum Company, Chicago, Ill. Casting plaster composition comprising mainly calcined gypsum. 373,842; Dec. 26; Serial No. 418,798; published Oct. 17, 1939. Class 12.

United States Rubber Company. (See Apsley Rubber Company, assignor.)

United States Rubber Company. (See Eureka Fire Hose Company, assignor.)

United States Rubber Company, New Brunswick, N. J., and New York, N. Y., to United States Rubber Company, New York, N. Y. Rubber mats and mattings. 129,235; renewed Jan. 27, 1940.

Upjohn Company, The, Kalamazoo, Mich. Medicinal substance. 373,984; Dec. 26; Serial No. 422,497; published Oct. 17, 1939. Class 6.

Usher, Ethel. (See Price, Thalia, and Ethel Usher.)

Val-A Company, Chicago, Ill. Formaldehyde, pine oil disinfectant, dip and disinfectant, etc. 373,871; Dec. 26; Serial No. 420,351; published Oct. 17, 1939. Class 6.

Valley Equipment Corporation, New York, N. Y. Computing registers for liquid dispensing apparatus. 373,856; Dec. 26; Serial No. 420,633; published Oct. 17, 1939. Class 26.

Vallis & Carametos, Reno, Nev. Laxative. 373,850; Dec. 26; Serial No. 419,283; published Oct. 17, 1939. Class 6.

Vandam, Albert H., Co., Inc. (See Turner & Walls, assignor.)

Vanity Fair Silk Mills, Reading, Pa. Hosiery. 130,430; renewed Apr. 20, 1940.

Vasenolwerke, Dr. Arthur Kopp Kommanditgesellschaft, Leipzig, Germany. Foot powder, baby powder, body powder, etc. 373,816; Dec. 26; Serial No. 413,846; published Sept. 26, 1939. Class 6.

Volckening Inc., Brooklyn, N. Y. Bottle brushes. 373,938; Dec. 26; Serial No. 421,913; published Oct. 17, 1939. Class 29.

Wagenknecht, Martha C., doing business as Seydel Products Company, Milwaukee, Wis. Medicated salve and/or intment for brushes, etc. 373,830; Dec. 26; Serial No. 415,866; published Sept. 19, 1939. Class 6.

Waldes & Co., Prague, Bohemia, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Placket-fasteners, glove-fasteners, buttons, etc. 130,971; renewed May 4, 1940.

Waldes & Co., Prague, Bohemia, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Notions. 130,978; renewed May 4, 1940.

Waldes Koh-I-Noor, Inc. (See Federal Snap Fastener Corporation, assignor.)

Wall Chemicals Corporation, Detroit, Mich. Acetylene and oxygen gas, nitrous oxide gas, etc. 373,879; Dec. 26; Serial No. 420,923; published Sept. 26, 1939. Class 6.

Walterson, J. V., Sr., Miami, Fla. Preparation for tonsiloral and throat irritations. 373,974; Dec. 26; Serial No. 422,432; published Oct. 17, 1939. Class 6.

Waltham Watch Company. (See American Waltham Watch Company, assignor.)

Warner, R. F., New York, N. Y. Canned fruits, fish and crab. 373,910; Dec. 26; Serial No. 421,552; published Oct. 17, 1939. Class 46.

Warner, R. F., New York, N. Y. Canned fish and crab. 373,911; Dec. 26; Serial No. 421,553; published Oct. 17, 1939. Class 46.

Warner, William R., & Co., Inc., New York, N. Y. Stabilized solution of the total, undenatured, purified glycosides of digitalis. 373,948; Dec. 26; Serial No. 422,081; published Oct. 10, 1939. Class 6.

Webster Electric Company, Racine, Wis. Oil burner apparatus. 374,057; Dec. 26. Class 34.

Wells, Chas. E., Music Company, The, Denver, Colo. Accordions. 373,802; Dec. 26; Serial No. 406,699; published Oct. 17, 1939. Class 36.

West Disinfecting Co., Long Island, N. Y. Deodorizer. 373,920; Dec. 26; Serial No. 421,684; published Oct. 3, 1939. Class 6.
West Disinfecting Company, Long Island City, N. Y. Pine disinfectant. 374,014; Dec. 26; Serial No. 422,790; published Oct. 17, 1939. Class 6.
West Disinfecting Company, Long Island City, N. Y. Deodorizing fluid. 374,015; Dec. 26; Serial No. 422,791; published Oct. 17, 1939. Class 6.
Western Electric Company, Incorporated, New York, N. Y. Bar-solder and resin-core solder. 127,895; renewed Dec. 9, 1939.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus for electric welders. 373,912; Dec. 26; Serial No. 421,535; published Oct. 17, 1939. Class 21.
White, Robert C., Company, Falls of Schuylkill, Philadelphia, Pa. Medical and compressed tablets possessing digestive, stomachic, etc. properties. 373,977; Dec. 26; Serial No. 422,457; published Sept. 19, 1939. Class 6.
Whitehead Metal Products Company, Inc., New York, N. Y. Sinks. 373,985; Dec. 26; Serial No. 422,498; published Oct. 17, 1939. Class 13.
Wholesale Photographic Supply Company, New York, N. Y. Shields to prevent scattering of broken glass of photo bulbs. 374,050; Dec. 26. Class 26.
Williams, Edward H. T., doing business as Thomas Williams, Reboboth Beach, Del. Preparation for the relief of eczema, athlete's foot, ring worm, etc. 373,914; Dec. 26; Serial No. 421,591; published Sept. 26, 1939. Class 6.
Woolworth, F. W., Co., Watertown and New York, to F. W. Woolworth Co., New York, N. Y. Writing-paper, envelops, and paperteries, etc. 128,209; renewed Dec. 23, 1939.
Yale Rubber Company Inc., The, Akron, Ohio. Rubber tires and tubes. 374,048; Dec. 26. Class 35.
Zanol Products Company, The. (See Lorenz Company, The, assignor.)
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 373,817; Dec. 26; Serial No. 413,752; published Oct. 17, 1939. Class 21.
Ziff-Davis Publishing Company, Chicago, Ill. Periodical publication. 373,844; Dec. 26; Serial No. 418,958; published Oct. 3, 1939. Class 38.

LIST OF REGISTRANTS OF LABELS

American Fork & Hoe Company, The, Cleveland, Ohio. "Stead" True Temper Rail Anchors. For Rail Anchors. 54,040; Dec. 26.
Ashland Milling Company, Ashland, Ky. Blue Ribbon Quality Feeds. For Dairy Feed. 54,041; Dec. 26.
Barmon Brothers Company, Inc., Buffalo, N. Y. Gracious Lady Dresses. For Dresses. 54,042; Dec. 26.
California Fruit Growers Exchange, Los Angeles, Calif. Bottlers' Lemon. For Bottlers' Lemon. 54,043; Dec. 26.
Chojnacki Tobacco Company, Erie, Pa. Monopol. For Cigarettes. 54,044; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. American Made Shoes. For Shoes. 54,045; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Bond Better Shoes. For Shoes. 54,046; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Bond Hill. For Footwear. 54,047; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Distinctive Footwear. For Footwear. 54,048; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Dunhill English Trend Shoes. For Shoes. 54,049; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Exquisite Footwear. For Footwear. 54,050; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. The Hamilton Shoe. For Shoes. 54,051; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Police Shoe. For Shoes. 54,052; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Snappy Shoes. For Shoes. 54,053; Dec. 26.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Sports-On Fine Shoes. For Shoes. 54,054; Dec. 26.
Cleveland Home Brewing Company, The, Cleveland, Ohio. Sonny's Black Forest. For Beer. 54,055; Dec. 26.
Clyman Canning Company, Inc., also doing business as Clyman Canning Co., Hartford, Wis. Aunt Nellie's Garden Green. For Canned Peas. 54,056; Dec. 26.
Colonial Works, Brooklyn, N. Y. Colonial Tiz-lite Exterior Soft Paste Paint. For an Exterior Soft Paste Paint. 54,057; Dec. 26.
Deknatel, J. A., & Son Inc., Queens Village, N. Y. Deknatel Silk Re-Stringing Cord. For Silk Re-Stringing Cords for Beads. 54,058; Dec. 26.
Der-Ma-Tex Company. (See Lewis, May R.)
Eldridge, R. W., Company, Inc., Charlotte, N. C. Pickwick Club. For Handkerchiefs. 54,059; Dec. 26.
Fleischmann, E. M., Distilling Corp., Lansdowne, Md. Olde Rye. For a Blend of Straight Rye Whiskies. 54,060; Dec. 26.
Ful-O-Tone Company, Houston, Tex. Fulotōn. For a Family Medicine. 54,061; Dec. 26.
Graef, Charles J., New York, N. Y. Hotelier. For California Rhine Wine. 54,062; Dec. 26.
Hamlin, Dwight, Co., Pittsburgh, Pa. Sūp R Popt. For Popcorn. 54,063; Dec. 26.
Hazard Lead Works, Inc., The, Brooklyn, N. Y. Haz-A-Wear Haz-A-Seal. For Reinforcing and Extender Vehicles Used in Mixing Paste Whites and Colors. 54,064; Dec. 26.
Hazard Lead Works, Inc., The, Brooklyn, N. Y. Haz-A-Wear Exterior Primer White. For an Exterior Primer. 54,065; Dec. 26.
Hazard Lead Works, Inc., The, Brooklyn, N. Y. Haz-A-Wear Haz-A-Lux White Enamel. For a White Enamel. 54,066; Dec. 26.
Howe Anderson Bakery, Galesburg, Ill. Hobo Light Bread. For Bread. 54,067; Dec. 26.
Knorpp Corporation, doing business as Knorpp's, Brooklyn, N. Y. "Happy Birthday" Edible Candy Birthday Cake Letters. For Edible Candy Birthday Cake Letters. 54,068; Dec. 26.
Lengacher, Godfrey, Sugarcreek, Ohio. Lengacher's Swiss Cheese. For Sliced Swiss Cheese. 54,069; Dec. 26.
Lewis, May R., doing business as Der-Ma-Tex Company, Little Rock, Ark. Der-Ma-Tex, a Penetrable Treatment for Indications of Psoriasis. For a Penetrable Treatment for Indications of Psoriasis. 54,070; Dec. 26.
Little Crow Milling Company, Inc., Warsaw, Ind. Coco-Wheats. For Cocoa Coated Wheat Cereal. 54,071; Dec. 26.
Markwell Mfg. Co., Inc., New York, N. Y. Markwell 5000 RU Staples. For Staples. 54,072; Dec. 26.
Markwell Mfg. Co., Inc., New York, N. Y. Markwell 5000 RUD Staples. For Staples. 54,073; Dec. 26.
McClain Brothers Company, Canton, Ohio. Klenzip. For a General Cleanser, Water Softener and Grease Remover. 54,074; Dec. 26.
Mead Johnson & Company, Evansville, Ind. Mead's Ascorbic Acid Tablets. For Ascorbic Acid Tablets. 54,075; Dec. 26.
Mead Johnson & Company, Evansville, Ind. Mead's Nicotinic Acid Tablets. For Nicotinic Acid Tablets. 54,076; Dec. 26.
Mead Johnson & Company, Evansville, Ind. Mead's Thiamin Chloride Tablets. For Thiamin Chloride Tablets. 54,077; Dec. 26.
Menasha Products Company, Menasha, Wis. Flambeau Land Creamery Butter. For Butter. 54,078; Dec. 26.
Minnesota Valley Canning Company, Le Sueur, Minn. Del Maiz. For Cream Style Golden Canned Corn. 54,079; Dec. 26.
Mitsui & Co., Ltd., Tokyo, Japan. Gayway Lager Beer. For Lager Beer. 54,080; Dec. 26.
Nahigian, Diran C., Chicago, Ill. Spra-It. For a Moth Repellent. 54,081; Dec. 26.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Sleeping Beauty Night Cream. For a Skin Cream. 54,082; Dec. 26.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown One Minute Skin Lightener. For a Skin Cream. 54,083; Dec. 26.
Palmer, Stanley D., Joplin, Mo. Ac'cent. For a Card Game. 54,084; Dec. 26.
Parco Products Co. (See Parrott, C. F.)
Parrott, C. F., doing business as Parco Products Co., Allentown, Pa. Dragon. For Fire Tanks. 54,085; Dec. 26.
Patterson, V. S., Fayette, Ala. Golden Eagle. For Table Syrup. 54,086; Dec. 26.
Raymond, Charles A., doing business as Raymond Products Company, Marion, Ohio. Vita-Hi. For Select Processed Soy Beans. 54,087; Dec. 26.
Schlosser Brothers, Inc., Frankfort, Ind. Schlosser's Oak Grove Butter. For Butter. 54,088; Dec. 26.
Serra, Arthur, and Co., Chicago, Ill. Cuban Girl. For Canned Sliced Pineapple. 54,089; Dec. 26.
Southern Handkerchief Mfg. Co., Greenville, S. C. All American. For Handkerchiefs. 54,090; Dec. 26.
Spang, J., Baking Company, The, Cleveland, Ohio. American Rye Bread. For Rye Bread. 54,091; Dec. 26.
Valmor Products Company. (See Neumann, Morton G.)
White, William L., Rochester, Minn. The Candy House. For Candy and Nuts. 54,092; Dec. 26.
Wight, Frank L., Distilling Company, The, Loreley, Md. Wight's Sherbrook. For Straight Rye Whiskey. 54,093; Dec. 26.
"X" Laboratories, Inc., New York, N. Y. "X" Welder. For a Leak Stopping Compound for Radiators. 54,094; Dec. 26.

LIST OF REGISTRANTS OF PRINTS

B. V. D. Corporation, The, New York, N. Y. Ski-Jama. For Knit Pajamas. 17,767; Dec. 26.
Barrett Company, The, New York, N. Y. I Buy Everything From Homefolks. Arcadian, The American Nitrate of Soda. For Nitrate of Soda. 17,768; Dec. 26.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Spearmint Chewing Gum. For Spearmint Chewing Gum. 17,769; Dec. 26.
Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. "Try On" Your New Room at Home. For Pile Fabric Floor Coverings. 17,770; Dec. 26.
Celanese Corporation of America, New York, N. Y. Presenting The Greatest Collar Improvement in Recent Years. For Collars and Shirts. 17,771; Dec. 26.
Jones, Howard E., Jr., Ferndale, Mich. Jones "Radiant Heat" Baffle. For Oilburner Baffles. 17,772; Dec. 26.
McGraw Electric Company, Elgin, Ill. Mary Gets Her Man. For Toast and Jam Sets consisting of a Walnut Tray, Jam and Marmalade Jars and an Automatic Toaster. 17,773; Dec. 26.
Paramount Premiums Inc., New York, N. Y. A Different Unit of Hand-Brushed, Maroon-Enameled, 22-Karat Coin-Gold Scroll Border Royal Rajah Maroon Dinnerware Consisting of 2 Pieces Each Week for 49¢. For Dinnerware and Food Products. 17,774; Dec. 26.
Paramount Premiums Inc., New York, N. Y. Royal Rajah Maroon Dinnerware Consisting of Two Pieces Each Week for 49¢. For Dinnerware and Food Products. 17,775; Dec. 26.
Schantz, William A., Advertising Agency, The, doing business as Wm. A. Schantz Co., Scranton, Pa. Now! A Raisin Loaf Made With Sun-Kist Natural Sun Dried Seedless Raisins. For Bread. 17,776; Dec. 26.
Schantz, William A., Advertising Agency, The, doing business as Wm. A. Schantz Co., Scranton, Pa. Serve Your Family This New Loaf. For Bread. 17,777; Dec. 26.
Schantz, William A., Advertising Agency, The, doing business as Wm. A. Schantz Co., Scranton, Pa. Sun-Kist—Enjoy It Daily! For Bread. 17,778; Dec. 26.
Schantz, William A., Advertising Agency, The, doing business as Wm. A. Schantz Co., Scranton, Pa. From the Land of Sunshine. For Bread. 17,779–80; Dec. 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Hops. International Union of United Brewery, Flour, Cereal and Soft Drink Workers of America. 374,010; Dec. 26; Serial No. 422,747; published Oct. 17, 1939.
Leather. B. D. Eisendrath Tanning Company. 373,811; Dec. 26; Serial No. 410,426; published Oct. 17, 1939.
Leather and shoe upper leathers, Calf. H. Loewenstein. 373,993; Dec. 26; Serial No. 422,630; published Oct. 17, 1939.
Resins. Stroock & Wittenberg Corporation. 373,998–374,000; Dec. 26; Serial Nos. 422,676–8; published Oct. 17, 1939.
Seeds, Field and grass. Kellogg Seed Company. 131,150; renewed May 4, 1940.
Silk, rayon, tussah silk fabric, etc., Raw. Katakura Seishi Boseki Kabushiki Kaisha. 373,823–5; Dec. 26; Serial Nos. 414,297–9; published Oct. 17, 1939.

CLASS 3

Trunks, suitcases, handbags, etc. Belber Trunk & Bag Company. 129,977; renewed Mar. 16, 1940.

CLASS 4

Abrasive material, Cylindrical rolls of coated. Behr-Manning Corporation. 373,994; Dec. 26; Serial No. 422,653; published Oct. 17, 1939.
Composition for cleaning glass and similar surfaces, Fluid. Plomocite Products, Inc. 373,967; Dec. 26; Serial No. 422,377; published Oct. 17, 1939.
Detergents. Caled Products Company. 373,989; Dec. 26; Serial No. 422,575; published Oct. 17, 1939.
Preparation in the nature of a soap, Powdered. Holton & Adams. 131,492; renewed May 18, 1940.
Soap. Peet Bros. Manufacturing Company. 131,208; renewed May 4, 1940.
Soap and soap preparations. Sahuara Chemical Company. 373,937; Dec. 26; Serial No. 421,904; published Oct. 17, 1939.
Soap flakes. Cook Coffee Company. 374,054; Dec. 26.

CLASS 6

Acetylene and oxygen gas, nitrous oxide gas, etc. Wall Chemicals Corporation. 373,879; Dec. 26; Serial No. 420,923; published Sept. 26, 1939.
Acid, carbolic acid, alum, etc., Boric. Southwestern Drug Corporation. 373,820–1; Dec. 26; Serial Nos. 414,165–6; published Sept. 19, 1939.
Antiseptic and germicidal preparation. Wm. S. Merrell Company. 373,950; Dec. 26; Serial No. 422,112; published Oct. 10, 1939.
Beauty mask, Combined yeast and milk. B. Culver. 373,798; Dec. 26; Serial No. 404,691; published June 14, 1938.
Chemical charges for fire extinguishers. Pyrene Manufacturing Company. 373,902; Dec. 26; Serial No. 421,323; published Sept. 19, 1939.
Chemical compound, Corrosion resistant. Haveg Corporation. 374,009; Dec. 26; Serial No. 422,746; published Oct. 17, 1939.
Chemical for the treatment of water, Powdered. Acme Chemical Company. 373,810; Dec. 26; Serial No. 410,211; published Oct. 17, 1939.
Chemical preparation. Demotex, Inc. 373,940; Dec. 26; Serial No. 421,930; published Oct. 3, 1939.
Chemical solution. Duart Manufacturing Co. Ltd. 373,803; Dec. 26; Serial No. 407,370; published Oct. 10, 1939.
Chemicals, Photographic. Thomas S. Curtis Laboratories. 373,954–5; Dec. 26; Serial Nos. 422,198–9; published Oct. 10, 1939.
Cold Tablets. L. Burnstein. 374,022; Dec. 26; Serial No. 423,054; published Oct. 17, 1939.
Cologne. S. G. Stanley. 373,884; Dec. 26; Serial No. 421,017; published Sept. 19, 1939.
Color preservative for foodstuffs. Hawkins Food Processing Company. 373,958; Dec. 26; Serial No. 422,246; published Oct. 17, 1939.
Compound for dehumidification of interior of packages. Davison Chemical Corporation. 373,979; Dec. 26; Serial No. 422,466; published Oct. 17, 1939.
Cosmetics. J. M. Ray. 373,808; Dec. 26; Serial No. 409,139; published Oct. 17, 1939.
Cough syrup. S. Pfeiffer Mfg. Co. 373,966; Dec. 26; Serial No. 422,376; published Oct. 10, 1939.
Cough syrup and expectorant. Fletcher Products, Inc. 373,807; Dec. 26; Serial No. 408,881; published Nov. 29, 1938.
Cream, Menthol and wintergreen. Anglo-American Pharmaceutical Corporation. 127,575; renewed Nov. 18, 1939.
Cream, Nail. Thalia Price and Ethel Usher. 373,898; Dec. 26; Serial No. 421,294; published Oct. 3, 1939.
Cream, Skin. Norwich Pharmacal Company. 373,838; Dec. 26; Serial No. 418,260; published May 23, 1939.
Cream, skin freshener, astringent, etc., Cleaning. F. Meyerhoff. 373,845; Dec. 26; Serial No. 419,002; published Oct. 17, 1939.
Creams, Mosquito repellent. E. S. Jindrich. 373,917; Dec. 26; Serial No. 421,613; published Sept. 26, 1939.
Deodorant. Sun Ray Drug Company. 373,797; Dec. 26; Serial No. 400,661; published Mar. 8, 1938.
Deodorizer. West Disinfectant Co. 373,920; Dec. 26; Serial No. 421,684; published Oct. 3, 1939.
Deodorizing fluid. West Disinfecting Company. 374,015; Dec. 26; Serial No. 422,791; published Oct. 17, 1939.
Disinfecting fluids. Milton Manufacturing Company. 129,379; renewed Feb. 17, 1940.
Disinfectant, Pine. West Disinfectant Company. 374,014; Dec. 26; Serial No. 422,790; published Oct. 17, 1939.
Disinfectants. Anton Sales Company. 373,848; Dec. 26; Serial No. 419,137; published Sept. 19, 1939.
Embalming fluid. Embalmers' Supply Company. 131,453; renewed May 18, 1940.
Enamel adapted for coating finger nails. Revlon Products Corporation. 373,953; Dec. 26; Serial No. 422,151; published Sept. 19, 1939.
Formaldehyde, pine oil disinfectant, dip and disinfectant, etc. Val-A Company. 373,871; Dec. 26; Serial No. 420,551; published Oct. 17, 1939.
Hair tonic. Dimaio & Company. 373,962; Dec. 26; Serial No. 422,357; published Oct. 10, 1939.
Hair-tonic. T. Noonan & Sons Company. 128,472; renewed Jan. 6, 1940.
Hematinic and homogenic. Rossmar Laboratories. 373,891; Dec. 26; Serial No. 421,161; published Sept. 26, 1939.
Hemostatic preparation. J. A. Eager. 373,968; Dec. 26; Serial No. 422,400; published Oct. 17, 1939.
Insecticide and fungicide, Combined. Standard Chemical Works. 131,626; renewed May 18, 1940.
Insecticide, skin liquid for treatment of athlete's foot, etc., Fly spray. J. W. Price. 373,928; Dec. 26; Serial No. 421,814; published Oct. 17, 1939.
Insecticides. P. A. Archer. 373,987; Dec. 26; Serial No. 422,502; published Sept. 19, 1939.
Insecticides. E. I. du Pont de Nemours and Company. 373,992; Dec. 26; Serial No. 422,621; published Oct. 17, 1939.

Insecticides and fungicides. Allegheny Chemical Corporation. 373,852; Dec. 26; Serial No. 419,492; published Sept. 19, 1939.
Insecticides, Liquid. Huttig Sash & Door Company. 373,840; Dec. 26; Serial No. 418,640; published Oct. 10, 1939.
Laxative. Dr. W. E. Eisenhart Health Products Company. 373,980; Dec. 26; Serial No. 422,469; published Oct. 17, 1939.
Laxative. Laxa-Seltzer Laboratories. 373,801; Dec. 26; Serial No. 405,849; published Mar. 21, 1939.
Laxative. Vallis & Caramelos. 373,850; Dec. 26; Serial No. 419,283; published Oct. 17, 1939.
Laxatives. M. M. Sproule. 373,815; Dec. 26; Serial No. 413,422; published Sept. 26, 1939.
Lipsticks, nail enamel, rouge, etc. H. Rubinstein. 373,876; Dec. 26; Serial No. 420,781; published Oct. 17, 1939.
Liquid product for use in water solutions for treating hosiery. F. W. Fitch Company. 373,880; Dec. 26; Serial No. 420,946; published Oct. 10, 1939.
Lotion, After shaving. Scherk, Ludwig, Inc. 373,796; Dec. 26; Serial No. 395,631; published Oct. 17, 1939.
Lotion, Toilet. Lorenz Company. 131,539; renewed May 18, 1940.
Magnesium carbonate and magnesium oxide. Keasbey & Mattison Company. 373,963; Dec. 26; Serial No. 422,362; published Oct. 10, 1939.
Mascara and eye shadow cream. Helena Rubinstein, Inc. 373,924; Dec. 26; Serial No. 421,747; published Oct. 17, 1939.
Medical and compressed tablets possessing digestive, stomachic, etc. properties. Robert C. White Company. 373,977; Dec. 26; Serial No. 422,457; published Sept. 19, 1939.
Medical preparation for relieving pain. E. J. Hanke. 373,990; Dec. 26; Serial No. 422,581; published Sept. 19, 1939.
Medical preparation for rheumatism, neuritis, etc. L. F. Sines. 373,869; Dec. 26; Serial No. 420,546; published Sept. 19, 1939.
Medicinal compound. Abbott Laboratories. 373,858; Dec. 26; Serial No. 420,241; published Oct. 17, 1939.
Medicinal compounds. Maltine Company. 373,936; Dec. 26; Serial No. 421,854; published Oct. 3, 1939.
Medicinal preparation. J. Burnett. 373,854; Dec. 26; Serial No. 419,899; published Oct. 3, 1939.
Medicinal preparation. S. Pfeiffer Mfg. Co. 373,846; Dec. 26; Serial No. 419,041; published Oct. 17, 1939.
Medicinal preparation for coughs and colds. R. L. Dry. 373,861; Dec. 26; Serial No. 420,277; published Sept. 19, 1939.
Medicinal substance. Upjohn Company. 373,984; Dec. 26; Serial No. 422,497; published Oct. 17, 1939.
Medicinal treatment for fungous affections of the skin. A. L. Hooker. 373,865; Dec. 26; Serial No. 420,439; published Sept. 19, 1939.
Moth-proofing compositions. Turner-Pfister Chemical Corporation. 373,972; Dec. 26; Serial No. 422,422; published Oct. 17, 1939.
Moth-proofing compositions. Turner-Pfister Chemical Corporation. 373,973; Dec. 26; Serial No. 422,427; published Oct. 17, 1939.
Nail polish. Peggy Sage, Inc. 374,013; Dec. 26; Serial No. 422,785; published Oct. 17, 1939.
Oil of peppermint, Rectified. A. M. Todd Company. 373,947; Dec. 26; Serial No. 422,078; published Sept. 26, 1939.
Ointment. H. H. Cartmell. 373,847; Dec. 26; Serial No. 419,100; published Oct. 10, 1939.
Ointment for cuts, burns, boils, etc. L. H. Kann. 373,867; Dec. 26; Serial No. 420,486; published Sept. 19, 1939.
Ointment for treatment of piles. J. F. Sparaga. 373,863; Dec. 26; Serial No. 420,292; published Sept. 19, 1939.
Perfume. Charles of the Ritz, Inc. 373,862; Dec. 26; Serial No. 420,289; published Sept. 19, 1939.
Perfume. Parfums Corday, Inc. 373,886; Dec. 26; Serial No. 421,050; published Sept. 26, 1939.
Perfume, toilet water, face powder, etc. K. O. Anderson. 373,903; Dec. 26; Serial No. 421,366; published Oct. 17, 1939.
Perfumes, lotions, bath oil, etc. H. Orlik. 373,814; Dec. 26; Serial No. 412,827; published Mar. 21, 1939.
Perfumes, toilet waters, toilet and face powders, etc. E. Daltroff & Cie. 373,921–2; Dec. 26; Serial Nos. 421,694–5; published Sept. 26, 1939.
Pine oil, Emulsifiable. Newport Industries, Inc. 373,905; Dec. 26; Serial No. 421,395; published Sept. 19, 1939.
Powder, baby powder, body powder, etc., Foot. Vasenolwerke Dr. Arthur Kopp Kommanditgesellschaft. 373,816; Dec. 26; Serial No. 413,846; published Sept. 26, 1939.
Powder, Cake face. F. N. Lewis. 131,532; renewed May 18, 1940.
Powder, Dental plate. Fasteeth, Incorporated. 373,915; Dec. 26; Serial No. 421,601; published Sept. 26, 1939.
Powder, Dental plate. Fasteeth, Incorporated. 373,925; Dec. 26; Serial No. 421,768; published Oct. 3, 1939.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 373,906; Dec. 26; Serial No. 421,421; published Oct. 17, 1939.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 373,995; Dec. 26; Serial No. 422,659; published Oct. 17, 1939.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 373,996–7; Dec. 26; Serial Nos. 422,660–1; published Oct. 17, 1939.
Powder, powder foundation, cleansing cream, etc., Face. Edna Arthur, Inc. 373,976; Dec. 26; Serial No. 422,436; published Oct. 17, 1939.
Powders. Harriet Hubbard Ayer, Inc. 373,900; Dec. 26; Serial No. 421,506; published Sept. 19, 1939.
Preparation for acidity, Medicinal. B. McNeir. 373,843; Dec. 26; Serial No. 418,885; published Sept. 19, 1939.
Preparation for coughs and colds. Piso Company. 131,363; renewed May 11, 1940.
Preparation for removing corns and callouses and for relieving rheumatic and lumbago pains. A. Knyklitt. 373,935; Dec. 26; Serial No. 421,851; published Oct. 17, 1939.
Preparation for removing corns, callouses, warts, etc. J. W. Kost. 373,851; Dec. 26; Serial No. 419,483; published Oct. 17, 1939.
Preparation for stimulating the growth of the hair, hair dressings, etc. W. R. Dudley. 374,024; Dec. 26; Serial No. 423,089; published Oct. 17, 1939.
Preparation for stimulating growth of hair, scalp invigorator, and for dandruff. D. Demase. 373,956; Dec. 26; Serial No. 422,200; published Sept. 19, 1939.
Preparation for the hair and scalp. H. H. Smith. 373,941; Dec. 26; Serial No. 421,951; published Sept. 19, 1939.
Preparation for the relief of eczema, athlet's foot, ring worm, etc. E. H. T. Williams. 373,914; Dec. 26; Serial No. 421,591; published Sept. 26, 1939.
Preparation for tonsiloral and throat irritations. J. V. Walterson, Sr. 373,974; Dec. 26; Serial No. 422,432; published Oct. 17, 1939.
Preparation for treatment of dysmenorrhea. Optimus Pharmaceuticals Company. 373,927; Dec. 26; Serial No. 421,812; published Oct. 3, 1939.
Preparation for use as a digestant. C. Faith. 373,890; Dec. 26; Serial No. 421,133; published Oct. 17, 1939.
Preparation to be applied to dogs' fur for elimination of odors, Liquid. Pupfume Company. 373,913; Dec. 26; Serial No. 421,580; published Oct. 3, 1939.
Preparations for destroying snails and mollusks. Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft. 373,813; Dec. 26; Serial No. 411,000; published June 27, 1939.
Preparations, Germicidal and fungicidal. Medical Chemicals, Inc. 373,904; Dec. 26; Serial No. 421,386; published Sept. 19, 1939.
Product for use in stopping runs in hosiery, Liquid. F. W. Fitch Company. 373,907; Dec. 26; Serial No. 421,427; published Sept. 19, 1939.
Remedies for diseases of poultry and stock. G. E. Conkey Co. 127,594–5; renewed Nov. 18, 1939.
Rosin size and aluminum sulphate. Hercules Powder Company. 373,868; Dec. 26; Serial No. 420,525; published Oct. 17, 1939.
Salve and/or ointment for bruises, etc., Medicated. M. C. Wagenknecht. 373,830; Dec. 26; Serial No. 415,866; published Sept. 19, 1939.
Salve, Rectal. Dr. W. E. Eisenhart Health Products Co. 373,981; Dec. 26; Serial No. 422,470; published Oct. 17, 1939.
Salt of disulphonate of phenol-tetra-brom-phthalein, and solutions of the same, Disodium. Hynson, Westcott & Dunning, Incorporated. 373,899; Dec. 26; Serial No. 421,306; published Sept. 19, 1939.
Shampoo and compound shampoo, Liquid soap. J. H. Karp. 373,878; Dec. 26; Serial No. 420,862; published Oct. 10, 1939.
Solution of the total, undenatured, purified glycosides of digitalis, Stabilized. William R. Warner & Co. 373,948; Dec. 26; Serial No. 422,081; published Oct. 10, 1939.
Solutions for injection intravenously and subcutaneously in patients, Parenteral. Baxter Laboratories, Inc. 373,804–5; Dec. 26; Serial Nos. 408,083–4; published Sept. 19, 1939.
Surgical pad which exerts an antiseptic and germicidal effect. Parke, Davis & Company. 373,881;; Dec. 26; Serial No. 420,965; published Sept. 19, 1939.
Tablets containing vitamin C. National Institute of Nutrition. No. 373,831; Dec. 26; Serial No. 415,994; published Mar. 28, 1939.
Tablets taken internally for the relief of hay fever symptoms and the like. Purepac Corporation. 373,929; Dec. 26; Serial No. 421,815; published Oct. 3, 1939.
Therapeutic health foods. S. H. Miller. 373,822; Dec. 26; Serial No. 414,200; published Oct 10, 1939.
Tonic, General body. W. L. Rogers. 373,833; Dec. 26; Serial No. 416,519; published Oct. 17, 1939.
Vegetable mineral product used as a supplementary food. W. F. Brown. 373,908; Dec. 26; Serial No. 421,472; published Sept. 19, 1939.
Vermifuge. C. D. Jordan. 374,018; Dec. 26; Serial No. 422,899; published Oct. 17, 1939.
Vitamin product. Anton Sales Company. 373,968; Dec. 26; Serial No. 422,394; published Oct. 10, 1939.
Waving solution, shampoo, wave oil, etc., Permanent. Service Beauty & Barber Supply Co. 373,873; Dec. 26; Serial No. 420,646; published Oct. 17, 1939.

CLASS 12

Clinker preparations and furnace linings, Refractory. Basic Dolomite, Inc. 373,809; Dec. 26; Serial No. 409,455; published Oct. 17, 1939.
Insulation blanket and other thermal insulation materials, Thermal. American Hair & Felt Company. 373,918; Dec. 26; Serial No. 421,629; published Oct. 10, 1939.
Insulation board, or wall board, Fabricated compressed. Creo-Dipt Co. 373,961; Dec. 26; Serial No. 422,322; Oct. 10, 1939.
Plaster composition comprising mainly calcined gypsum, Casting. United States Gypsum Company. 373,842; Dec. 26; Serial No. 418,798; published Oct. 17, 1939.

CLASS 13

Chains and spigot pins and stay bars therefor, Power transmission. Renold and Coventry Chain Company Limited. 373,827; Dec. 26; Serial No. 414,510; published Oct. 10. 1939.
Clips, Metal. S. H. Tummins. 373,882; Dec. 26; Serial No. 420,981; published Oct. 17, 1939.
Cookers, Steam. Toledo Cooker Company. 130,585; renewed Apr. 27, 1940.
Drawer and door pulls, knobs and hinges. American Cabinet Hardware Corp. 374,058; Dec. 26.
Fasteners, Slide. R. H. Macy & Co. 373,991; Dec. 26; Serial No. 422,589; published Oct. 17, 1939.
Pins, Suction-headed metal. G. B. Markle, Jr. 373,806; Dec. 26; Serial No. 408,653; published Oct. 17, 1939.
Sinks. Whitehead Metal Products Company. 373,985; Dec. 26; Serial No. 422,498; published Oct. 17, 1939.
Turnbuckles, metal name-plates, and metal instruction-plates. A. V. Row & Co. Limited. 129,209–10; renewed Jan. 27, 1940.
Valves and valve fittings. W. J. Schoenberger Company. 373,893; Dec. 26; Serial No. 421,202; published Oct. 17, 1939.
Valves, cocks, pipe fittings, etc. American Chain & Cable Company. 373,895; Dec. 26; Serial No. 421,229; published Oct. 17, 1939.
Valves, Shut-off. General Electric Company. 373,916; Dec. 26; Serial No. 421,607; published Oct. 17, 1939.

CLASS 14

Metals. National Steel & Copper Plate Co. 130,554; renewed Apr. 27, 1930.
Metals and ferrous metal castings and forgings, Ferrous. American Brake Shoe and Foundry Company. 373,934; Dec. 26; Serial No. 421,833; published Oct. 17, 1939.
Solder, Bar-solder and resin-core. Western Electric Company. 127,895; renewed Dec. 9, 1939.

CLASS 15

Oil, Motor. Johnson Oil Refining Company. 373,957; Dec. 26; Serial No. 422,212; published Oct. 10, 1939.

CLASS 16

Dopes and airplane finishes, paint coatings, etc., Airplane. E. I. du Pont de Nemours and Company. 373,894; Dec. 26; Serial No. 421,227; published Oct. 17, 1939.
Paints and enamels. Boston Varnish Company. 129,333; renewed Feb. 17, 1940.
Thinner, mixer, and diluting material. French-Wolf Paint Products Corporation. 373,960; Dec. 26; Serial No. 422,310; published Oct. 17, 1939.

CLASS 17

Cigars. Marta Cigar Co. 374,019; Dec. 26; Serial No. 422,904; published Oct. 17, 1939.
Cigarettes. R. J. Lea, Limited. 128,100–1; renewed Dec. 23, 1939.

CLASS 19

Materials handling equipment, Motor driven and trailer. Euclid Road Machinery Company. 373,795; Dec. 26; Serial No. 394,481; published Oct. 17, 1939.
Vehicle bicycle carriers. H. P. Del Cano. 373,864; Dec. 26; Serial No. 420,362; published Oct. 17, 1939.
Windshield wiper blades, Sleet removing. Anderson Company. 373,951; Dec. 26; Serial No. 422,118; published Oct. 17, 1939.

CLASS 21

Control apparatus for electric welders. Westinghouse Electric & Manufacturing Company. 373,912; Dec. 26; Serial No. 421,555; published Oct. 17, 1939.
Electric light fixtures. F. T. Dudley. 374,055; Dec. 26.
Electrical supplies. Bridgeport Switch Company. 373,939; Dec. 26; Serial No. 421,917; published Oct. 17, 1939.
Lamps, Desk. Dawn Manufacturing Corp. 373,942; Dec. 26; Serial No. 421,966; published Oct. 17, 1939.
Radio and television receiving sets and parts thereof. Zenith Radio Corporation. 373,817; Dec. 26; Serial No. 413,752; published Oct. 17, 1939.

CLASS 22

Skates. Simmons Hardware Company. 127,786; renewed Dec. 2, 1939.

Class 23

Bottle capping equipment. Cowdrey Products Company. 373,949; Dec. 26; Serial No. 422,087; published Oct. 17, 1939.
Carburetors and fuel pumps. Chandler-Evans Corporation. 373,872; Dec. 26; Serial No. 420,612; published Oct. 17, 1939.
Chain wheels, mortise chains, stationary-operated conveyor machinery, etc. Renold and Coventry Chain Company Limited. 373,826; Dec. 26; Serial No. 414,509; published Oct. 17, 1939.
Drills, reamers, taps, etc., Twist. Cleveland Twist Drill Company. 373,888–9; Dec. 26; Serial Nos. 421,126–7; published Oct. 17, 1939.
Forks, hoes, rakes, etc. United Co-Operatives, Inc. 373,837; Dec. 26; Serial No. 417,561; published Oct. 17, 1939.
Gear, steam-engine reverse. American Locomotive Company. 131,278; renewed May 11, 1940.
Hoists and parts thereof, trolleys for traveling hoists, winches, etc. American Chain & Cable Company. 373,896 Dec. 26; Serial No. 421,230; published Oct. 17, 1939.
Machinery and tools. American Tool & Machine Co. 131,402; renewed May 18, 1940.
Openers, Can. Steel Products Manufacturing Company. 373,866; Dec. 26; Serial No. 420,470; published Oct. 17, 1939.
Pipe and rod threading and cutting machines and parts for the same, etc., Power and hand. Oster Manufacturing Company. 373,792; Dec. 26; Serial No. 379,710; published Oct. 17, 1939.
Razors and razor blades. Continental Blade Corporation. 374,021; Dec. 26; Serial No. 422,926; published Oct. 17, 1939.
Riveting-hammers, Pneumatic. Chicago Pneumatic Tool Company. 125,618–19; renewed June 3, 1939.
Riveting-hammers, Pneumatic. Chicago Pneumatic Tool Company. 125,621; renewed June 3, 1939.
Shovels, spades, and scoops. Simmons Hardware Company; 127,989; renewed Dec. 23, 1939.
Tire spreading machines. Bowes Seal Fast Corporation. 374,008; Dec. 26; Serial No. 422,732; published Oct. 17, 1939.

CLASS 26

Lamps, Electric arc. J. E. McAuley Mfg. Co. 373,883; Dec. 26; Serial No. 421,003; published Oct. 17, 1939.
Lenses, eye-glass and spectacle frames and mountings, Ophthalmic. J. Scadron. 373,923; Dec. 26; Serial No. 421,715; published Oct. 17, 1939.
Meters and devices and charts for use therewith. Bailey Meter Company. 374,046; Dec. 26.
Photographic film. Agfa Ansco Corporation. 374,001; Dec. 26; Serial No. 422,686; published Oct. 17, 1939.
Photographic goods. Agfa Ansco Corporation. 374,003; Dec. 26; Serial No. 422,689; published Oct. 17, 1939.
Photographic paper, Sensitized. Agfa Ansco Corporation. 374,002; Dec. 26; Serial No. 422,687; published Oct. 17, 1939.
Registers for liquid dispensing apparatus, Computing. Valley Equipment Corporation. 373,856; Dec. 26; Serial No. 420,033; published Oct. 17, 1939.
Shields to prevent scattering of broken glass of photo bulbs. Wholesale Photographic Supply Company. 374,050; Dec. 26.
Speed recorder for motor vehicles and airplanes. Speedograph Corporation of America. 373,800; Dec. 26; Serial No. 404,782; published Oct. 17, 1939.

CLASS 27

Clocks and other clocks, Alarm. De Luxe Clock & Mfg. Co. Inc. 130,058; renewed Apr. 6, 1940.
Watch movements. American Waltham Watch Company. 17,838; re-renewed Apr. 29, 1940.
Watches and parts thereof. A. Glarden. 374,004; Dec. 26; Serial No. 422,699; published Oct. 17, 1939.
Watches and parts thereof, stop watches, alarm clocks, etc. Perret et Berthoud, Société Anonyme. 373,897; Dec. 26; Serial No. 421,293; published Oct. 17, 1939.
Watches and wrist watches, watch cases, etc., Pocket. Hamilton Watch Company. 373,853; Dec. 26; Serial No. 419,574; published Oct. 17, 1939.
Watches and wrist watches, watch cases, etc., Pocket. Hamilton Watch Company. 373,859; Dec. 26; Serial No. 420,251; published Oct. 17, 1939.
Watches and wrist watches, watch cases, etc., Pocket. Hamilton Watch Company. 373,860; Dec. 26; Serial No. 420,253; published Oct. 17, 1939.

CLASS 28

Jewelry. Ostby and Barton Company. 373,832; Dec. 26; Serial No. 416,157; published Oct. 10, 1939.

CLASS 29

Brushes, Bottle. Volckening Inc. 373,938; Dec. 26; Serial No. 421,913; published Oct. 17, 1939.

CLASS 30

Hollow ware, porcelain. Walter B. Moore, Inc. 374,053; Dec. 26.

CLASS 33

Glass ovenware. Jewel Tea Co. 373,841; Dec. 26; Serial No. 418,779; published Oct. 17, 1939.

CLASS 34

Burner apparatus, Oil. Webster Electric Company. 374,057; Dec. 26.
Reflectors. Light & Power Patented Utilities Co. 373,834; Dec. 26; Serial No. 417,176; published Oct. 17, 1939.

CLASS 35

Hose, Hydraulic. Eureka Fire Hose Company. 17,641; re-renewed Mar. 11, 1940.
Tires and inner tubes, Bicycle. Simmons Hardware Company. 128,169; renewed Dec. 23. 1939.
Tires and tubes, Rubber. Yale Rubber Company Inc. 374,048; Dec. 26.

CLASS 36

Accordions. Chas. E. Wells Music Company. 373,802; Dec. 26; Serial No. 406,699; published Oct. 17, 1939.

CLASS 37

Paper, A–2 printing. Minnesota and Ontario Paper Company. 374,016; Dec. 26; Serial No. 422,844; published Oct. 17, 1939.
Paper and envelopes, Writing. Perry Brothers, Incorporated. 374,006; Dec. 26; Serial No. 422,715; published Oct. 17, 1939.
Paper, envelops, and papeteries, etc., Writing. F. W. Woolworth Co. 128,209; renewed Dec. 23, 1939.
Pens, Lettering and sketching. Spencerian Pen Company. 374,007; Dec. 26; Serial No. 422,717; published Oct. 17, 1939.

CLASS 38

Books, pamphlets, periodicals, etc. Oxford University Press New York, Inc. 373,900–1; Dec. 26; Serial Nos. 421,317–18; published Oct. 10, 1939.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 374,030–1; Dec. 26.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 374,033–42; Dec. 26.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 374,044; Dec. 26.
House organ. Alco-Gravure Division of Publication Corporation. 373,892; Dec. 26; Serial No. 421,174; published Oct. 10, 1939.
House organ. National Coal Association. 373,964–5; Dec. 26; Serial Nos. 422,373–4; published Oct. 10, 1939.
Magazine. Robert L. Johnson Magazines, Inc. 373,944–5; Dec. 26; Serial Nos. 422,055–6; published Oct. 10, 1939.
Magazines. Fawcett Publications, Inc. 373,794; Dec. 26; Serial No. 391,269; published Oct. 17, 1939.
News column or section and a news feature. William La Varre. 373,919; Dec. 26; Serial No. 421,662; published Oct. 10, 1939.
Newspaper column. Chicago Tribune-New York News Syndicate, Inc. 374,032; Dec. 26.
Newspaper column. Chicago Tribune-New York News Syndicate, Inc. 374,043; Dec. 26.
Newspaper feature. T. A. Duryea. 373,857; Dec. 26; Serial No. 420,220; published Oct. 10, 1939.
Pamphlets. B. I. Grand. 373,791; Dec. 26; Serial No. 371,535; published Oct. 10, 1939.
Periodical. M. E. Price. 373,849; Dec. 26; Serial No. 419,235; published Oct. 10, 1939.
Publication. M. De Witt. 127,824; renewed Dec. 9, 1939.
Publication, Periodical. Ziff-Davis Publishing Company. 373,844; Dec. 26; Serial No. 418,958; published Oct. 3, 1939.
Publication, Trade. Perfect Circle Company. 373,799; Dec. 26; Serial No. 405,663; published Oct. 17, 1939.

CLASS 39

Garments. Franklin Simon & Co. 130,575; renewed Apr. 27, 1940.
Hosiery. Vanity Fair Silk Mills. 130,430; renewed Apr. 20, 1940.
Shoes, Boys' and girls'. H. F. Malott Shoe Co. 130,810; renewed May 4, 1940.
Shoes, outing-shoes, and rubber footwear. Apsley Rubber Company. 128,610; renewed Jan. 13, 1940.
Slippers, Moccasin. L. B. Evan's Son Company. 373,836; Dec. 26; Serial No. 417,207; published June 13, 1939.

CLASS 40

Fasteners and placket-fasteners, Snap. Federal Snap Fastener Corporation. 128,693; renewed Jan. 13, 1940.
Fasteners, glove-fasteners, buttons, etc., Placket. Waldes & Co. 130,971; renewed May 4, 1940.
Notions. Waldes & Co. 130,978; renewed May 4, 1940.

CLASS 42

Bedspreads, sheets, pillowcases, etc. E. K. Rhoads. 131,220; renewed May 4, 1940.
Broadcloth. Turner & Walls. 131,644; renewed May 18, 1940.
Corduroy in the piece. Boott Mills. 374,017; Dec. 26; Serial No. 422,889; published Oct. 17, 1939.
Cotton piece goods. Cotopa Limited. 374,025; Dec. 26; Serial No. 423,128; published Oct. 17, 1939.
Cotton piece goods. Cotopa Limited. 374,026; Dec. 26; Serial No. 423,130; published Oct. 17, 1939.
Embroidered imitation Persian lamb fur. Tower Brand Yarn Corp. 373,870; Dec. 26; Serial No. 420,549; published Oct. 17, 1939.
Fabric in the piece, Cotton tire. Callaway Mills. 373,874; Dec. 26; Serial No. 420,665; published Oct. 17, 1939.
Fabrics, Textile. American-London Shrinkers Corp. 373,819; Dec. 26; Serial No. 414,049; published Sept. 12, 1939.
Lace fabrics in the piece and lace curtains. North American Lace Co. 374,005; Dec. 26; Serial No. 422,711; published Oct. 17, 1939.
Materials in the piece, Interlining. Foundation Worsted Mills. 373,970; Dec. 26; Serial No. 422,403; published Oct. 17, 1939.
Piece goods. S. Augstein & Co. 373,943; Dec. 26; Serial No. 421,989; published Oct. 17, 1939.
Piece goods. Buckley & Cohen, Incorporated. 374,020; Dec. 26; Serial No. 422,923; published Oct. 17, 1939.
Piece goods. Cohn-Hall-Marx Co. 373,835; Dec. 26; Serial No. 417,202; published Oct. 17, 1939.
Rayon textile fabrics in the piece, Knitted. Princeton Knitting Mills, Incorporated. 374,029; Dec. 26; Serial No. 423,229; published Oct. 17, 1939.
Woolen, cotton, and rayon piece goods. Tabin-Picker & Company. 373,887; Dec. 26; Serial No. 421,106; published Oct. 17, 1939.
Woolen piece goods. Atlantic Mills. 128,130; renewed Dec. 23, 1939.

CLASS 43

Yarns. Bernhard Ulmann Co. Inc. 374,051; Dec. 26.
Yarns. Fleisher Yarns, Inc. 374,047; Dec. 26.

CLASS 44

Bandage, All-cotton elastic. Becton, Dickinson & Co. 130,635; renewed May 4, 1940.
Bite plates, dental articulators, etc. Opotow Dental Manufacturing Corporation. 374,012; Dec. 26; Serial No. 422,784; published Oct. 17, 1939.
Dental floss and applicator. John Lauterbach Company. 373,812; Dec. 26; Serial No. 410,740; published Oct. 17, 1939.
Heating pads, Chemical. Duart Manufacturing Co. 374,060; Dec. 26.
Hospital sheeting, Rubberized. Stedfast Rubber Company. 373,946; Dec. 26; Serial No. 422,076; published Oct. 17, 1939.
Manicuring kits and implements. H. C. Bates. 374,011; Dec. 26; Serial No. 422,770; published Oct. 17, 1939.
Teeth, Artificial. Dentists' Supply Company of New York. 374,045; Dec. 26; Serial No. 423,494; published Oct. 17, 1939.

CLASS 45

Beverage. W. H. Rennick. 373,971; Dec. 26; Serial No. 422,419; published Oct. 17, 1939.
Beverage. Syfo Spring Water Company. 373,988; Dec. 26; Serial No. 422,558; published Oct. 17, 1939.
Beverages. A. M. Ahern. 373,975; Dec. 26; Serial No. 422,434; published Oct. 17, 1939.
Beverages. M. E. Schade. 373,839; Dec. 26; Serial No. 418,313; published Oct. 17, 1939.
Beverages, sirups, and extracts for making the same. E. Brough. 374,027; Dec. 26; Serial No. 423,204; published Oct. 17, 1939.
Beverages, syrups, extracts, etc. Dr. Pepper Bottling Company. 374,028; Dec. 26; Serial No. 423,209; published Oct. 17, 1939.

CLASS 46

Bacons, hams, pure lard, etc. William Davies Company. 130,695; renewed May 4, 1940.
Bread. H. Baldinger & Company. 127,579; renewed Nov. 18, 1939.
Bread. Falk Products Company. 373,875; Dec. 26; Serial No. 420,754; published Oct. 17, 1939.
Bread, Rye. Aktiebolaget Skånska Spisbrödsfabriken. 373,828; Dec. 26; Serial No. 414,586; published Oct. 17, 1939.
Cakes, pies, and pastries. Continental Grill. 373,793; Dec. 26; Serial No. 390,631; published Oct. 17, 1939.
Canned fish and crab. R. F. Warner. 373,911; Dec. 26; Serial No. 421,553; published Oct. 17, 1939.
Canned fruits and vegetables. H. C. Hemingway & Company. 373,885; Dec. 26; Serial No. 421,039; published Oct. 17, 1939.
Canned fruits, fish and crab. R. F. Warner. 373,910; Dec. 26; Serial No. 421,552; published Oct. 17, 1939.
Canned fruits, vegetables, fruit cocktail, etc. Tiedemann & McMorran. 373,983; Dec. 26; Serial No. 422,495; published Oct. 17, 1939.
Coffee. Public Utilities Honduras Corporation. 373,978; Dec. 26; Serial No. 422,459; published Oct. 17, 1939.
Confections and syrups or concentrates for making the same. Joe Lowe Corporation. 373,829; Dec. 26; Serial No. 415,723; published Oct. 17, 1939.
Fish, Smoked. H. Hirsch. 373,926; Dec. 26; Serial No. 421,775; published Oct. 17, 1939.
Flour. Omaha Flour Mills Co. 130,220; renewed Apr. 13, 1940.
Flour, Durum wheat. Pillsbury Flour Mills Company. 373,855; Dec. 26; Serial No. 419,977; published Oct. 17, 1939.

Rice. N. C. Coan. 374,049; Dec. 26.
Salt, Lecithinated. W. J. Fitzpatrick Company. 373,986; Dec. 26; Serial No. 422,500; published Oct. 17, 1939.
Seasoning, Italian food. F. L. Ottoboni. 374,056; Dec. 26.
Vegetables, Fresh. T. E. Stephens. 373,877; Dec. 26; Serial No. 420,785; published Oct. 17, 1939.
Vinegar, Wine. Lombardi Wines Ltd. 373,959; Dec. 26; Serial No. 422,291; published Oct. 17, 1939.

CLASS 47

Wines. Taylor Wine Company. 373,930–2; Dec. 26; Serial Nos. 421,818–20; published Oct. 17, 1939.

CLASS 48

Beer. Star-Peerless Brewery Company. 373,818; Dec. 26; Serial No. 413,961; published Oct. 17, 1939.
Hop flavoring for malt beverages. Frederick Stearns & Company. 374,023; Dec. 26; Serial No. 423,074; published Oct. 17, 1939.
Malt tonic. Schoenhofen Edelweiss Company. 373,982; Dec. 26; Serial No. 422,488; published Oct. 17, 1939.

CLASS 49

Rum. Meyer & Lange, Inc. 374,059; Dec. 26.
Whiskey. K. Taylor Distilling Co. 374,052; Dec. 26.
Whiskey, gin, rum, brandy, etc. Standard Distillers Products, Inc. 374,061; Dec. 26.

CLASS 50

Bottle holders, Infant. Infant Industries Inc. 373,952; Dec. 26; Serial No. 422,135; published Oct. 17, 1939.
Mats and mattings, Rubber. United States Rubber Company. 129,235; renewed Jan. 27, 1940.

LIST OF LABELS

Ac'cent. For a Card Game. S. D. Palmer. 54,084; Dec. 26.
All American. For Handkerchiefs. Southern Handkerchief Mfg. Co. 54,090; Dec. 26.
American Made Shoes. For Shoes. M. B. Claff & Sons, Inc. 54,045; Dec. 26.
American Rye Bread. For Rye Bread. J. Spang Baking Company. 54,091; Dec. 26.
Aunt Nellie's Garden Green. For Canned Peas. Clyman Canning Company. 54,056; Dec. 26.
Blue Ribbon Quality Feeds. For Dairy Feed. Ashland Milling Company. 54,041; Dec. 26.
Bond Better Shoes. For Shoes. M. B. Claff & Sons, Inc. 54,046; Dec. 26.
Bond Hill. For Footwear. M. B. Claff & Sons, Inc. 54,047; Dec. 26.
Bottlers' Lemon. For Bottlers' Lemon. California Fruit Growers Exchange. 54,043; Dec. 26.
Coco-Wheats. For Cocoa Coated Wheat Cereal. Little Crow Milling Company. 54,071; Dec. 26.
Colonial Tiz-lite Exterior Soft Paste Paint. For an Exterior Soft Paste Paint. Colonial Works. 54,057; Dec. 26.
Cuban Girl. For Canned Sliced Pineapple. Arthur Serra and Co. 54,089; Dec. 26.
Deknatel Silk Re-Stringing Cord. For Silk Re-Stringing Cords for Beads. J. A. Deknatel & Son Inc. 54,058; Dec. 26.
Del Maiz. For Cream Style Golden Canned Corn. Minnesota Valley Canning Company. 54,079; Dec. 26.
Der-Ma-Tex, a Penetrable Treatment for Indications of Psoriasis. For a Penetrable Treatment for Indications of Psoriasis. M. R. Lewis. 54,070; Dec. 26.
Distinctive Footwear. For Footwear. M. B. Claff & Sons, Inc. 54,048; Dec. 26.
Dragon. For Fire Tanks. C. F. Parrott. 54,085; Dec. 26.
Dunhill English Trend Shoes. M. B. Claff & Sons, Inc. 54,049; Dec. 26.
Exquisite Footwear. For Footwear. M. B. Claff & Sons, Inc. 54,050; Dec. 26.
Flambeau Land Creamery Butter. For Butter. Menasha Products Company. 54,078; Dec. 26.
Fulotōn. For a Family Medicine. Ful-O-Tone Company. 54,061; Dec. 26.
Gayway Lager Beer. For Lager Beer. Mitsui & Co. 54,080; Dec. 26.
Golden Eagle. For Table Syrup. V. S. Patterson. 54,086; Dec. 26.
Gracious Lady Dresses. For Dresses. Barmon Brothers Company. 54,042; Dec. 26.
"Happy Birthday" Edible Candy Birthday Cake Letters. For Edible Candy Birthday Cake Letters. Knorpp Corporation. 54,068; Dec. 26.
Haz-A-Wear Exterior Primer White. For an Exterior Primer. Hazard Lead Works, Inc. 54,065; Dec. 26.
Haz-A-Wear Haz-A-Lux White Enamel. For a White Enamel. Hazard Lead Works, Inc. 54,066; Dec. 26.
Haz-A-Wear Haz-A-Seal. For Reinforcing and Extender Vehicles Used in Mixing Paste Whites and Colors. Hazard Lead Works, Inc. 54,064; Dec. 26.
Hobo Light Bread. For Bread. Howe Anderson Bakery. 54,067; Dec. 26.
Hotelier. For California Rhine Wine. C. J. Graef. 54,062; Dec. 26.
Klenzip. For a General Cleanser, Water Softener, and Grease Remover. McClain Brothers Company. 54,074; Dec. 26.
Lengacher's Swiss Cheese. For Sliced Swiss Cheese. G. Lengacher. 54,069; Dec. 26.
Markwell 5000 RU Staples. For Staples. Markwell Mfg. Co. 54,072; Dec. 26.
Markwell 5000 RUD Staples. For Staples. Markwell Mfg. Co. 54,073; Dec. 26.
Mead's Ascorbic Acid Tablets. For Ascorbic Acid Tablets. Mead Johnson & Company. 54,075; Dec. 26.
Meads Nicotinic Acid Tablets. For Nicotinic Acid Tablets. Mead Johnson & Company. 54,076; Dec. 26.
Mead's Thiamin Chloride Tablets. For Thiamin Chloride Tablets. Mead Johnson & Company. 54,077; Dec. 26.
Monopol. For Cigarettes. Chojnacki Tobacco Company. 54,044; Dec. 26.
Olde Rye. For a Blend of Straight Rye Whiskies. E. M. Fleischmann Distilling Corp. 54,060; Dec. 26.
Pickwick Club. For Handkerchiefs. R. W. Eldridge Company. 54,059; Dec. 26.
Police Shoe. For Shoes. M. B. Claff & Sons, Inc. 54,052; Dec. 26.
Schlosser's Oak Grove Butter. For Butter. Schlosser Brothers, Inc. 54,088; Dec. 26.
Snappy Shoes. For Shoes. M. B. Claff & Sons, Inc. 54,053; Dec. 26.
Sonny's Black Forest. For Beer. Cleveland Home Brewing Company. 54,055; Dec. 26.
Sports-On Fine Shoes. For Shoes. M. B. Claff & Sons, Inc. 54,054; Dec. 26.
Spra-It. For a Moth Repellent. D. C. Nahigian. 54,081; Dec. 26.
"Stead" True Temper Rail Anchors. For Rail Anchors. American Fork & Hoe Company. 54,040; Dec. 26.
Sūp R Popt. For Popcorn. Dwight Hamlin Co. 54,063; Dec. 26.
Sweet Georgia Brown One Minute Skin Lightener. For a Skin Cream. M. G. Neumann. 54,083; Dec. 26.
Sweet Georgia Brown Sleeping Beauty Night Cream. For a Skin Cream. M. G. Neumann. 54,082; Dec. 26.
The Candy House. For Candy and Nuts. W. L. White. 54,092; Dec. 26.
The Hamilton Shoe. For Shoes. M. B. Claff & Sons, Inc. 54,051; Dec. 26.
Vita-Hi. For Select Processed Soy Beans. C. A. Raymond. 54,087; Dec. 26.
Wight's Sherbrook. For Straight Rye Whiskey. Frank L. Wight Distilling Company. 54,093; Dec. 26.
"X" Welder. For a Leak Stopping Compound for Radiators. "X" Laboratories, Inc. 54,094; Dec. 26.

LIST OF PRINTS

A Different Unit of Hand-Brushed Maroon-Enameled, 22-Karat Coin-Gold Scroll Border Royal Rajah Maroon Dinnerware Consisting of 2 Pieces Each Week for 49¢. For Dinnerware and Food Products. Paramount Premiums Inc. 17,774; Dec. 26.

Beech-Nut Spearmint Chewing Gum. For Spearmint Chewing Gum. Beech-Nut Packing Company. 17,769; Dec. 26.

From the Land of Sunshine. For Bread. William A. Schautz Advertising Agency. 17,779–80; Dec. 26.

I Buy Everything From Homefolks. Arcadian, The American Nitrate of Soda. For Nitrate of Soda. Barrett Company. 17,768; Dec. 26.

Jones "Radiant Heat" Baffle. For Oilburner Baffles. H. E. Jones, Jr. 17,772; Dec. 26.

Mary Gets Her Man. For Toast and Jam Sets Consisting of a Walnut Tray, Jam and Marmalade Jars and an Automatic Toaster. McGraw Electric Company. 17,773; Dec. 26.

Now! A Raisin Loaf Made With Sun-Kist Natural Sun Dried Seedless Raisins. For Bread. William A. Schautz Advertising Agency. 17,776; Dec. 26.

Presenting The Greatest Collar Improvement in Recent Years. For Collars and Shirts. Celanese Corporation of America. 17,771; Dec. 26.

Royal Rajah Maroon Dinnerware Consisting of Two Pieces Each Week for 49¢. For Dinnerware and Food Products. Paramount Premiums Inc. 17,775; Dec. 26.

Serve Your Family This New Loaf. For Bread. William A. Schautz Advertising Agency. 17,777; Dec 26.

Ski-Jama. For Knit Pajamas. B. V. D. Corporation. 17,767; Dec. 26.

Sun-Kist—Enjoy It Daily! For Bread. William A. Schautz Advertising Agency. 17,778; Dec. 26.

"Try On" Your New Room at Home. For Pile Fabric Floor Coverings. Bigelow-Sanford Carpet Co. Inc. 17,770; Dec. 26.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Arms, Leland J., San Francisco, Calif. Soap holder and applicator. Re. 21,307; Dec. 26.

Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)

Coppus, Frans H. C., Princeton, Mass., assignor, by mesne assignments, to L. M. Erskine and V. W. and F. H. C. Coppus, as trustees. System of drafting locomotives in roundhouses. Re. 21,308; Dec. 26.

Coppus, Vera W., et al., trustees. (See Coppus, Frans H. C., assignor.)

Erskine, Linwood M., et al., trustees. (See Coppus, Frans H. C., assignor.)

General Electric Company. (See Alexanderson, Ernest F. W., assignor.)

Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Recording and control system and apparatus therefor. Re. 21,309; Dec. 26.

Mackey, Alexander S., Clearview, Ontario, Canada, assignor, by mesne assignments, to A. E. Staley Manufacturing Company, Decatur, Ill. Container structure. Re. 21,310; Dec. 26.

LIST OF PLANT PATENTEES

Campbell, Vine C., Yakima County, assignor to W. D. Plough, Wenatchee, Wash. Peach tree. 351; Dec. 26.

Plough, Walter D. (See Campbell, Vine C., assignor.)

LIST OF DESIGN PATENTEES

Adlake Company, The. (See Verhagen, Christian M., assignor.)

Advance Aluminum Castings Corp. (See Grundstrom, Erik G., assignor.)

Alwell, Murry, New York, N. Y. Dress. 118,317; Dec. 26.

American Optical Company. (See Lehmberg, William H., assignor.)

Armour and Company. (See Garson, Otto A., assignor.)

Armstrong Cork Company. (See Roberts, Earla M., assignor.)

Armstrong Cork Company. (See Smith, Mary M., assignor.)

Bagedonow, Max, New York, N. Y. Coat. 118,256; Dec. 26.

Bagedonow, Max, New York, N. Y. Coat. 118,257; Dec. 26.

Bagedonow, Max, New York, N. Y. Coat. 118,332; Dec. 26.

Baker, Perkins, Inc. (See Van Doren, H., and Little, assignors.)

Barnes, James F., and J. O. Reinecke, Chicago, Ill., assignors to Scovill Manufacturing Company, Waterbury, Conn. Motor. 118,224; Dec. 26.

Barnes, James F., and J. O. Reinecke, Chicago, Ill., assignors to Scovill Manufacturing Company, Waterbury, Conn. Drink mixer. 118,225; Dec. 26.

Barry, William H., Bridgeport, and W. O. Stauffer, Fairfield, Conn., assignors to Remington Arms Company, Inc. Slicing knife. 118,274; Dec. 26.

Bausch & Lomb Optical Company. (See Trautmann, Otto E., assignor.)

Behr, Siegfried, Flushing, assignor to Ben Hur Products, Inc., New York, N. Y. Sunglasses. 118,275; Dec. 26.

Ben Hur Products, Inc. (See Behr, Siegfried, assignor.)

Benners, Walter S., Elizabeth, assignor to New Jersey State Funeral Directors Association, Inc., Newark, N. J. Plaque or similar article. 118,226; Dec. 26.

Bloomfield, Samuel, Chicago, Ill. Napkin holder. 118,258; Dec. 26.

Boker, H., & Co. (See Hausmann, Frederick W., assignor.)

Borregard, Ernst, Woodmere, N. Y. Display stand for packaged merchandise. 118,276; Dec. 26.

Bowman, Harry and P., Larned, Kans. Sock turner. 118,227; Dec. 26.

Bowman, Paul. (See Bowman, Harry and P.)

Burch Manufacturing Company. (See Manley, Charles T., assignor.)

California Growers Wineries. (See Cobb, Earle M., assignor.)

Canelstein, Gotel, New York, N. Y. Textile fabric or similar article. 118,339; Dec. 26.

Carlson, Ernest O., Rockford, Ill. Make-up cabinet. 118,259; Dec. 26.

Case, Harold W., Dayton, Ohio. Pursuit airplane. 118,277; Dec. 26.

Cobb, Earle M., assignor to California Growers Wineries, Cutler, Calif. Bottle or similar article. 118,299; Dec. 26.

Cohen, David C. et al. (See Trojan, Jose, assignor.)

Constantine, George, New York, N. Y. Dress. 118,340; Dec. 26.

Constantine, George, New York, N. Y. Dress. 118,341; Dec. 26.

Crowley, Thomas C., Jackson Heights, N. Y. Key ring screw driver. 118,329; Dec. 26.

Crystal Manufacturing Co. (See Trojan, Jose.)

Dean, Frank, San Jose, Calif. Boot-spur body. 118,278; Dec. 26.

De Vilbiss Company, The. (See Vuillemenot, Frederic A., assignor.)

Doering, Charles, assignor of one-half to H. H. Doering, Chicago, Ill. Package wrapper. 118,342; Dec. 26.

Doering, Henry H. (See Doering, Charles, assignor.)

Dormeyer, A. F., Mfg. Co. (See Strauss, Hermann M. A., assignor.)

Eastman Kodak Company. (See Hood, Henry J., assignor.)

Eckles, Charles E., Washington, D. C. Ashtray or similar article. 118,300; Dec. 26.

Edison, Thomas A., Incorporated. (See La Forest, Louis Z., assignor.)

Edson, Bert, Pawtucket, R. I. Lace. 118,260; Dec. 26.

Egerton, Clifford, Kew Gardens, N. Y. Game board. 118,229; Dec. 26.

Elting, August O., Chicago, Ill. Arm for lamp fixtures. 118,301; Dec. 26.

Elting, August O., Chicago, Ill. Arm for lamp fixtures. 118,302; Dec. 26.

Elting, August O., Chicago, Ill. Arm for lamp fixtures. 118,303; Dec. 26.

Elting, August O., Chicago, Ill. Arm for lamp fixtures. 118,304; Dec. 26.

Engel, Alice, New York, N. Y. Dress. 118,333; Dec. 26.

Engel, Alice, New York, N. Y. Dress ensemble. 118,343; Dec. 26.

Engel, Alice, New York, N. Y. Dress. 118,334; Dec. 26.

Fader, William, Newark, N. J. Plant box. 118,230; Dec. 26.

Federal Glass Company, The. (See Nicholson, Albert H., assignor.)

Flowers, Henry F., Findlay, Ohio. Mine locomotive. 118,261; Dec. 26.

Forman, Sol, New York, N. Y. Broiler or similar article. 118,231; Dec. 26.

Fortunati, Alexander J., Boston, Mass. Tongue scraper. 118,318; Dec. 26.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered collar or similar article. 118,335; Dec. 26.

Garson, Otto A., Oak Park, assignor to Armour and Company, Chicago, Ill. Combined sausage display and container unit or the like. 118,305; Dec. 26.

Gentile, Robert, New York, N. Y. Textile fabric. 118,344; Dec. 26.

Granat, Joseph, San Francisco, Calif. Medal or similar article. 118,232; Dec. 26.

Granat, Joseph, San Francisco, Calif. Medal or similar article. 118,233; Dec. 26.

Grundstrom, Erik G., assignor to Advance Aluminum Castings Corp., Chicago, Ill. Broiler grill. 118,234; Dec. 26.

Guthrie, James M., Pittsburgh, assignor of one-half to J. C. Keaney, Mount Lebanon, Pa. Bottle. 118,330; Dec. 26.
Hansen, Ray C., assignor to M and M Wood Working Company, Portland, Oreg. Greenhouse. 118,279; Dec. 26.
Harris, Herbert M., New York, N. Y. Dress. 118,345; Dec. 26.
Hausmann, Frederick W., Maplewood, assignor to H. Boker & Co., Inc., New York, N. Y. Shears or the like. 118,280; Dec. 26.
Heit, Philip, New York, N. Y. Dress ensemble. 118,346; Dec. 26.
Herdegen, Ilsa, New York, N. Y. Negligee. 118,336; Dec. 26.
Hersey, William A., assignor to Waterbury Button Company, Waterbury, Conn. Condiment shaker. 118,235; Dec. 26.
Hersey, William A., assignor to The Waterbury Button Company, Waterbury, Conn. Condiment shaker. 118,236; Dec. 26.
Hersey, William A., assignor to The Waterbury Button Company, Waterbury, Conn. Condiment shaker. 118,237; Dec. 26.
Higham, William W., assignor to Universal Cooler Corporation, Detroit, Mich. Refrigerating cabinet. 118,281; Dec. 26.
Hoenigsberger, Harry L., Chicago, Ill. Portable sample carrier. 118,283; Dec. 26.
Hood, Henry J., assignor to Eastman Kodak Company, Rochester, N. Y. Lantern slide tray. 118,282; Dec. 26.
Housholder, Owen, et al. (See Trojan, Jose, assignor.)
Jackson, Henry J., assignor to Mystoplane Company, Inc., New York, N. Y. Spectacle frame. 118,284; Dec. 26.
Junior Toy Corporation. (See Rideout, John G., assignor.)
Junior Toy Corporation. (See Smith, Walter V., assignor.)
Kalter, Harold E., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle. 118,262; Dec. 26.
Kandell, Allen, New York, N. Y. Pillow. 118,319; Dec. 26.
Katz, Louis, New York, N. Y. Dress. 118,337; Dec. 26.
Keaney, Joseph C. (See Guthrie, James M., assignor.)
Kemmer, Paul H., and C. E. Reichert, Dayton, Ohio. Monoplane. 118,285; Dec. 26.
Kent, Elizabeth S., Waterbury, Conn., and W. R. Westfall, Kew Gardens, N. Y., assignors to Scovill Manufacturing Company, Waterbury, Conn. Lawn sprinkler. 118,263; Dec. 26.
Kent, Elizabeth S., Waterbury, Conn., and W. R. Westfall, Kew Gardens, N. Y., assignors to Scovill Manufacturing Company, Waterbury, Conn. Lawn sprinkler. 118,264; Dec. 26.
Kessler, Betty, New York, N. Y. Dress. 118,347; Dec. 26.
Kessler, Betty, New York, N. Y. Dress. 118,348; Dec. 26.
Kloos, Gerard, Mount Vernon, assignor to Philips Metalix Corporation, New York, N. Y. X-ray control stand. 118,286; Dec. 26.
Klusmeyer, Harry B., Chicago, Ill. Cooking vessel or similar article. 118,238; Dec. 26.
Krim Beverage Company. (See Strand, B. F., Jr., and Meyer, assignors.)
Kuhns, Theodore L., Salem, Oreg. Hand truck. 118,239; Dec. 26.
Kushman, Louis, New York, N. Y. Dress. 118,349; Dec. 26.
La Forest, Louis Z., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Lamp casing. 118,306; Dec. 26.
Law, Edgar H., Cricklewood, Broadway, London, England, assignor to Rolls Razor Limited. Dry shaver. 118,240; Dec. 26.
Lehmberg, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Respirator facepiece. 118,241; Dec. 26.
Little, John M. (See Van Doren, H., and Little.)
M and M Wood Working Company. (See Hansen, Ray C., assignor.)
MacFadden, Glenn E. and L., assignors to Markel Electric Products, Inc., Buffalo, N. Y. Combined wall bracket lamp, pot, and support therefor. 118,287; Dec. 26.
MacFadden, Glenn E. and L., assignors to Markel Electric Products, Inc., Buffalo, N. Y. Wall bracket lamp. 118,288; Dec. 26.
MacFadden, Glenn E. and L., assignors to Markel Electric Products, Inc., Buffalo, N. Y. Wall bracket lamp. 118,307; Dec. 26.
MacFadden, Leland. (See MacFadden, Glenn E. and L.)
Manley, Charles T., assignor to Burch Manufacturing Company, Kansas City, Mo. Combined popcorn machine cabinet and bag compartment. 118,331; Dec. 26.
Markel Electric Products, Inc. (See MacFadden, Glenn E. and L., assignors.)
Maulsby, Helen S., New York, N. Y. Hair drier hood shield. 118,320; Dec. 26.
McKay, John A., Coshocton, Ohio. Lamp housing. 118,308; Dec. 26.
Meyer, Walter H. (See Strand, B. F., Jr., and Meyer.)
Minoff, Jack, Newark, N. J. Knitted fabric. 118,242; Dec. 26.
Mladinich, Thomas C., and S. Nicosia, New York, N. Y. Fur sewing machine. 118,243; Dec. 26.
Moeller, Fred. (See Watling, William, assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Lavatory. 118,289; Dec. 26.
Mystoplane Company. (See Jackson, Henry J., assignor.)
Nagel, Arthur, Cleveland Heights, Ohio. Phonograph cabinet or similar article. 118,244; Dec. 26.
New Jersey State Funeral Directors Association, Inc. (See Benners, Walter S., assignor.)
Nicholson, Albert H., assignor to The Federal Glass Company, Columbus, Ohio. Glass jug or article of similar nature. 118,309; Dec. 26.
Nicosia, Michael, Brooklyn, N. Y. Tooth pick dispenser. 118,290; Dec. 26.
Nicosia, Salvatore. (See Mladinich, T. C., and Nicosia.)
Norman, Benjamin, New York, N. Y. Pillow covering or similar article. 118,265; Dec. 26.
Panzer, William C., assignor to Russakor Can Company, Chicago, Ill. Smoker's ashtray or similar article. 118,310; Dec. 26.
Pass & Seymour, Inc. (See Poor, Alfred E., assignor.)
Philips Metalix Corporation. (See Kloos, Gerard, assignor.)
Poor, Alfred E., Locust, N. J., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Wall bracket for electric light. 118,311; Dec. 26.
Pope, Orson M., Los Angeles, Calif. Directional signal casing. 118,312; Dec. 26.
Reinecke, Jean O. (See Barnes, J. F., and Reinecke.)
Reichert, Carl E. (See Kemmer, P. H., and Reichert.)
Remington Arms Company. (See Barry, W. H., and Stauffer, assignors.)
Rideout, John G., Cleveland, Ohio, assignor to Junior Toy Corporation, Hammond, Ind. Scooter footboard or similar article. 118,245; Dec. 26.
Rinaldi, Albert, Chicago, Ill. Dress. 118,350; Dec. 26.
Roberts, Earla M., assignor to Armstrong Cork Company, Lancaster, Pa. Water bottle or similar article. 118,246; Dec. 26.
Roberts, Earla M., assignor to Armstrong Cork Company, Lancaster, Pa. Water bottle or similar article. 118,247; Dec. 26.
Roche, William J., Hewlett, N. Y. Textile fabric. 118,351; Dec. 26.
Rolls Razor Limited. (See Law, Edgar H., assignor.)
Rosener, Jane, New York, N. Y. Dress. 118,338; Dec. 26.
Roseman, Zoltan, assignor to V. R. Saunt, Cleveland, Ohio. Window frame. 118,248; Dec. 26.
Roth, Andrew W., assignor to Roth-Getzoff & Company, New York, N. Y. Woven textile fabric. 118,266; Dec. 26.
Roth, Andrew W., assignor to Roth-Getzoff & Company, New York, N. Y. Woven textile fabric. 118,267; Dec. 26.
Roth-Getzoff & Company. (See Roth, Andrew W., assignor.)
Rubenstein, Louis M., New York, N. Y. Handbag. 118,321; Dec. 26.
Russakor Can Company. (See Panzer, William C., assignor.)
Salit, Jonah, New York, N. Y. Tooth brush. 118,268; Dec. 26.
Saunt, Violet R. (See Roseman, Zoltan, assignor.)
Schenley Import Corporation. (See Wile, Oscar J., assignor.)
Schmerler, Charles, New York, N. Y. Dress. 118,352; Dec. 26.
Schmerler, Charles, New York, N. Y. Dress. 118,353; Dec. 26.
Schmerler, Charles, New York, N. Y. Dress. 118,354; Dec. 26.
Scovill Manufacturing Company. (See Barnes, J. F., and Reinecke, assignors.)
Scovill Manufacturing Company. (See Kent, E. S., and Westfall, assignors.)
Scovill Manufacturing Company. (See Seyfried, Arthur W., assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Seyfried, Arthur W., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Drink mixer agitator. 118,249; Dec. 26.
Sherman, Jacob S., Chicago, Ill. Combined scratch pad and pencil holder. 118,291; Dec. 26.
Sherman, Jacob S., Chicago, Ill. Desk clock. 118,292; Dec. 26.
Silverstein, Abraham, New York, N. Y. Coat. 118,322; Dec. 26.
Smith, Mary M., assignor to Armstrong Cork Company, Lancaster, Pa. Water bottle or similar article. 118,250; Dec. 26.
Smith, Mary M., assignor to Armstrong Cork Company, Lancaster, Pa. Syringe bag or similar article. 118,251; Dec. 26.
Smith, Walter V., assignor to Junior Toy Corporation, Hammond, Ind. Velocipede deck plate. 118,252; Dec. 26.
Stauffer, William O. (See Barry, W. H., and Stauffer.)
Steinhardt, Irving, New York, N. Y. Puzzle. 118,253; Dec. 26.

Stimell, Samuel, New York, N. Y. Coat. 118,269; Dec. 26.
Stinson, Jack B., Jackson Heights, N. Y. Pin. 118,254; Dec. 26.
Stolkin, Jack, New York, N. Y. Dress. 118,323; Dec. 26.
Strand, Bert F., Jr., Toledo, Ohio, and W. H. Meyer, Erie, Mich., assignors to Krim Beverage Company, Lebanon, Pa. Bottle. 118,313; Dec. 26.
Strauss, Hermann M. A., assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill. Combined electric mixer and food chopper unit. 118,270; Dec. 26.
Trautmann, Otto E., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Light projector. 118,293; Dec. 26.
Tritt, Olga, New York, N. Y. Necklace. 118,255; Dec. 26.
Trojan, Jose, assignor to O. Housholder and D. C. Cohen, copartners doing business as Crystal Manufacturing Co., Chicago, Ill. Merchandise display stand. 118,294; Dec. 26.
Tropauer, Henry, Los Angeles, Calif. Stool. 118,295; Dec. 26.
Troxel Manufacturing Company, The. (See Kalter, Harold E., assignor.)
Tuomey, John, New York, N. Y. Casing for a cinematograph. 118,296; Dec. 26.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 118,355; Dec. 26.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 118,356; Dec. 26.
Universal Cooler Corporation. (See Higham, William W., assignor.)
Van Doren, Harold, and J. M. Little, Toledo, Ohio, assignors to Baker Perkins Inc., Saginaw, Mich. Dough divider. 118,271; Dec. 26.
Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company. Combined baggage rack and lighting fixture, or similar article. 118,272; Dec. 26.
Vuilliemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 118,228; Dec. 26.
Walther, John, New York, N. Y. Textile fabric. 118,324; Dec. 26.
Waterbury Button Company, The. (See Hersey, William A., assignor.)
Watling, William, Chicago, assignor to F. Moeller, Wheeling, Ill. Weighing scale. 118,273; Dec. 26.
Waxelbaum, Sol J., Atlanta, Ga. Pump. 118,297; Dec. 26.
Wechsler, Daniel A., New York, N. Y. Textile fabric or similar article. 118,325; Dec. 26.
Wechsler, Daniel A., New York, N. Y. Textile fabric or similar article. 118,326; Dec. 26.
Wechsler, Daniel A., New York, N. Y. Textile fabric or similar article. 118,357; Dec. 26.
Wellins, Sidney, New York, N. Y. Dress. 118,314; Dec. 26.
Wellins, Sidney, New York, N. Y. Dress. 118,315; Dec. 26.
Wellins, Sidney, New York, N. Y. Dress ensemble. 118,327; Dec. 26.
Wellins, Sidney, New York, N. Y. Dress ensemble. 118,328; Dec. 26.
Westfall, William R. (See Kent, E. S., and Westfall.)
Wile, Oscar J., assignor to Schenley Import Corporation, New York, N. Y. Bottle. 118,316; Dec. 26.
Williams, Arthur F., assignor to Wils-edge Corporation, St. Paul, Minn. Pair of semirimless spectacles. 118,298; Dec. 26.
Wils-edge Corporation. (See Williams, Arthur F., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aalberg, John O., Los Angeles, Calif., assignor to R K O Studios, Inc. Metronome. 2,184,728; Dec. 26.
Abell, Everett, Niagara Falls, N. Y. Hydraulic brake disconnector. 2,184,806 Dec. 26.
Acme Electric & Manufacturing Company, The. (See Comstock, James A., assignor.)
Adair, Arthur B. (See Freud, Joseph, assignor.)
Adams, Charles F., New York, N. Y. Stamping wheel. 2,184,510; Dec. 26.
Adams, Elmer W. (See MacLaren, F. H., and Adams.)
Adams, Frederic H. (See Lecher, H. Z., Adams, and Orem.)
Adams, Leland R., Akron, Ohio. Storage battery. 2,184,373; Dec. 26.
Addie, Herbert G., Cresco, Iowa. Buried cable terminal. 2,184,574; Dec. 26.
Adlake Company, The. (See Hagerty, A. T., and Verhagen, assignors.)
Ahearn, Clive D., Detroit, Mich. Battery cable connector. 2,184,807; Dec. 26.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor mounting and belt tightener. 2,184,541; Dec. 26.
Airmobile Aircraft Company. (See Broome, Thorne K., assignor.)
Aktiengesellschaft Cilander. (See Hefti, Fridolin, assignor.)
Albert Specialty Company. (See Moore, Francis, assignor.)
Alcoran, Mateo S., Honokaa, Hawaii. Electric switch. 2,185,071; Dec. 26.
Alexander, Albert N., Brookline, Mass., assignor to Ton-Tex Corporation, Grand Rapid, Mich. Portable belt vulcanizer. 2,184,630; Dec. 26.
Alexander, Peter P., assignor to Metal Hydrides, Inc., Marblehead, Mass. Zirconium magnetic alloy. 2,184,769; Dec. 26.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Course guiding system. 2,184,267; Dec. 26.
Allan, Stephen G., Kansas City, Kans. Shirt board. 2,184,374; Dec. 26.
Allen, Earl M., Swissvale, and H. A. Thompson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Interlocking control apparatus. 2,184,787; Dec. 26.
Allen, Frank M., Summit, N. J., assignor to Congoleum-Nairn Inc. Flexible smooth surface rug and making same. 2,184,970; Dec. 26.
Allen, Frank M., Summit, N. J., assignor to Congoleum-Nairn Inc. Flexible smooth surface rug and making same. 2,184,971; Dec. 26.
Allen, George A., Denver, Colo. Rail wetting device for railroads. 2,184,969; Dec. 26.
Allis-Chalmers Manufacturing Company. (See Hill, Leland H., assignor.)
Aluminum Company of America. (See Willmore, Charles B., assignor.)
American Automatic Garage Door, Inc. (See Palumbo, Donato, assignor.)
American Car and Foundry Company. (See Clade, Robert, assignor.)
American Car and Foundry Company. (See Schroeder, Ernest R., assignor.)
American Cyanamid Company. (See Crossley, M. L., and Lytle, assignors.)
American Cyanamid Company. (See Lecher, H. Z., and Orem, assignors.)
American Cyanamid Company. (See Lecher, H. Z., Adams, and Orem, assignors.)
American Locomotive Company. (See Jabelmann, O., and Finch, assignors.)
American Lurgi Corporation. (See Brücke, Otto, assignor.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Metal Company, The. (See Eppensteiner, William F., assignor.)
American Smelting and Refining Company. (See Smith, Herman L., assignor.)
American Telephone and Telegraph Company. (See Campbell, James, Jr., assignor.)
American Telephone and Telegraph Company. (See Freeman, A. E., and Smith, assignors.)
American Telephone and Telegraph Company. (See Howle, Louis W., assignor.)
American Type Founders, Incorporated. (See Seybold, Frederick W., assignor.)
American Type Founders, Incorporated. (See Stobb, Anton, assignor.)

Anaconda Wire and Cable Company. (See Lowe, William, assignor.)
Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
Anderson, George A., Elmwood Park, Ill. Wood carving machine. 2,185,011; Dec. 26.
Anschütz & Co., G. m. b. H. (See Beyerle, Konrad, assignor.)
Anton, Kurt. (See Jenny, A., Budiloff, Becker, and Anton.)
Antony, Henry, Brooklyn, N. Y. Hand protector for knives. 2,184,902; Dec. 26.
Arbogast, Johnson A., Akron, Ohio. Fish lure. 2,184,330; Dec. 26.
Arms, George L., and F. E. McGovern, Columbus, Ohio, assignors to The Jeffrey Manufacturing Company. Material handling apparatus. 2,184,788; Dec. 26.
Armstrong Cork Company. (See Clark, Ralph R., assignor.)
Armstrong, Frank E., et al. (See Fuller, Cornell G., assignor.)
Arthur, James L., Anderson, Ind., and H. A. G. Boller, Walled Lake; said Arthur assignor to General Motors Corporation. Detroit, Mich. Ignition apparatus. 2,184,789; Dec. 26.
Askania-Werke A. G. (See Günther, Wolfgang, assignor.)
Atherton, Alfred L. (See Farley, W. R., Atherton, and Gonano.)
Attick, Purdy E., Chicago, Ill. Sash and store front construction. 2,184,659; Dec. 26.
Aubrey, William H., assignor to Frick Company, Waynesboro, Pa. Air conditioning apparatus. 2,184,481; Dec. 26.
Austin, Harry M., and J. A. Muir, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Vibration absorbing composition and structure embodying the same. 2,184,482; Dec. 26.
Auto Specialties Manufacturing Company. (See Unruh, W. D., and Seelig, assignors.)
Automatic Devices Corporation. (See Cohen, Joseph H., assignor.)
Automotive Products Company Limited. (See Clench, Edward C. S., assignor.)
Avery, Clarence W., Detroit, Mich., assignor to The Murray Corporation of America. Upholstery forming machine. 2,184,660; Dec. 26.
Avery-Hardoll Limited. (See Fraser, John, assignor.)
Babcock, Jesse H., and A. Loverde, Niagara Falls, assignors to Hooker Electro-chemical Company, New York, N. Y. Di alkylhalobenzenoid sulphides and producing the same. 2,185,009; Dec. 26.
Babcock, Roger S., Newark, N. J., and J. M. Gaines, Jr., Kenmore, N. Y., assignors to The Linde Air Products Company. Method of and apparatus for cutting metals. 2,184,561; Dec. 26.
Baehr, Henry, Grafton, Ohio. Grinding mill. 2,184,903; Dec. 26.
Baer, John M., Chicago, Ill., assignor to The Guardite Corporation. Redrying of tobacco. 2,184,275; Dec. 26.
Bagno, Samuel M. New York, and A. Barnett, Brooklyn, N. Y. Method and apparatus for measuring impedance. 2,184,511; Dec. 26.
Bailey, Arnold B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,184,729; Dec. 26.
Baird, William, and M. Jones, Blackley, England, assignors to Imperial Chemical Industries Limited. Preservation of rubber. 2,184,512; Dec. 26.
Baker, Benjamin P., Turtle Creek, and L. W. Dyer, Swissvale, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,184,763; Dec. 26.
Baker, Leslie C., McAllister, Wis. Fuel injection pump. 2,184,483; Dec. 26.
Baker Perkins Company. (See Thürlings, Hermann, assignor.)
Barnett, Abraham. (See Bagno, S. M., and Barnett.)
Barrell Fitting & Seal Corporation. (See Schwartz, Sol, assignor.)
Barrett, Clarence A., Detroit, Mich., assignor by mesne assignments, to Trolley Conveyors Development Foundation, Inc. Hanger construction. 2,184,860; Dec. 26.
Barrett Company, The. (See Hall, Ocie C., assignor.)
Bartoli, Lino, Pittsburgh, Pa. Mute holder. 2,184,790; Dec. 26.
Batchelder, Howard R. (See Shoemaker, B. H., and Batchelder.)
Bates, Beulah H. (See Bates, Walter A., assignor.)
Bates, Walter A., assignor to B. H. Bates, Joliet, Ill. Grating. 2,184,407; Dec. 26.

Bauer, Wilhelm, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the anthraquinonebenzacridone series. 2,185,140; Dec. 26.
Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
Bausch & Lomb Optical Company. (See Dittmer, Arthur F., assignor.)
Bausch & Lomb Optical Company. (See Ellestad, Gerhard A., assignor.)
Bausch & Lomb Optical Company. (See Jobe, Frederick W., assignor.)
Bausch & Lomb Optical Company. (See Kimball, Donald E., assignor.)
Bausch & Lomb Optical Company. (See Laurer, C. J., and Markell, assignors.)
Beck, Adolf, and H. Bohner, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Free cutting alloys. 2,184,693; Dec. 26.
Becker, Hans. (See Jenny, A., Budiloff, Becker, and Anton.)
Becker, Helmut, and O. Sanger, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Roll film camera. 2,184,331; Dec. 26.
Beckham, William K., et al. (See Fuller, Cornell G., assignor.)
Beckmann, Werner N., et al. (See Browning, James E., assignor.)
Beede, Robert J., Providence, assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Apparatus for drying and shaping the shoulders of garments. 2,184,375; Dec. 26.
Behr-Manning Corporation. (See Oglesby, Nicholas E., assignor.)
Beidler, George C., Rochester, N. Y. Sensitizing coating machine. 2,185,049; Dec. 26.
Belar, Herbert, Philadelphia, Pa., assignor to Radio Corporation of America. Acoustical measuring device. 2,184,542; Dec. 26.
Belding, John. (See Smith, R. P., and Belding.)
Belian, Anthony M., Detroit, Mich. Bed or seat cover or cushion. 2,184,808; Dec. 26.
Bell Telephone Laboratories, Incorporated. (See Bailey, Arnold B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horton, Arthur W., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. See Newson, James B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nyquist, Harry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Pearson, Gerald L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rea, Wilton T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rockwood, George H., Jr., assignor.)
Bell, William E., assignor of one-half to C. C. Cummings, Paducah, Ky. Device for setting and timing locomotive valves. 2,184,449; Dec. 26.
Bellamy, Gervas E., Bethel, and M. C. Jett, Kansas City, Kans. Seeder. 2,185,021; Dec. 26.
Bendix Home Appliances Inc. (See Loweke, Aaron A., assignor.)
Bendex Products Corporation. (See Brewer, Charles A., assignor.)
Bendix Products Corporation. (See Warren, Kenneth W., assignor.)
Benner, Raymond C. (See Kirchner, H. P., Melton, and Benner.)
Bennett, Frank M., Joplin, Mo. Air operated gasoline, water, or other fluid pump. 2,184,706; Dec. 26.
Bensel, Duryea, assignor, by mesne assignments, to A. Borden, New York, N. Y. Paper bottle cap. 2,184,869; Dec. 26.
Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Elastic fluid turbine. 2,184,661; Dec. 26.
Berl, Ernst, Allegheny County, Pa. Pressure synthesis of sulphuric acid. 2,184,707; Dec. 26.
Bernay, Henri B., New York, N. Y. Pruning implement. 2,184,332; Dec. 26.
Berolzheimer, Clarence P., assignor to Diamond Braiding Mills, Chicago Heights, Ill. Shoelace package. 2,185,100; Dec. 26.
Bettendorf Company, The. (See Hamilton, Karl M., assignor.)
Beutner, Reinhard, Philadelphia, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Drying ointment. 2,184,575; Dec. 26.
Beyer, Walter O., and T. R. Tarn, Pittsburgh, Pa., Coupling device. 2,184,376; Dec. 26.
Beyerle, Konrad, assignor to Anschütz & Co., G. m. b. H., Kiel-Neumuhlen, Germany. System for the electrical transfer of rotary motion. 2,184,576; Dec. 26.
Bickel, Clifford A., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Taper forming machine. 2,184,377; Dec. 26.
Bickel, Clifford A., assignor to The Monarch Machine Tool Co., Sidney, Ohio. Form producing machine. 2,184,684; Dec. 26.
Bielenberg, Carl F. (See Peiserich, F. P., and Bielenberg.)

Bigelow, Oliver P., Roanoke, Ind. Ophthalmic chart. 2,184,920; Dec. 26.
Biggs, Leonard R., Schenectady, N. Y., assignor to General Electric Company. Mercury boiler. 2,184,333; Dec. 26.
Biggs, William H., trustee. (See Kraft, Arthur A., assignor.)
Biner, George M., Los Angeles, Calif. Labeling machine. 2,184,378; Dec. 26.
Bingham, George. (See Mellor, A., Bingham, and Pool.)
Binks Manufacturing Company. (See Della Chiesa, A. D., and Frochlich, assignors.)
Birkhead, Claude V., et al. (See Browning, James E., assignor.)
Blackburn, George F. (See Peters, M. F., and Blackburn.)
Blakemore, John H., Chicago, Ill. Division block for baling presses. 2,184,577; Dec. 26.
Blazier, Jacob D., Wichita, Kans. Spotlight. 2,185,012; Dec. 26.
Blosser, Herman G., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Approach control apparatus for railway signaling systems. 2,184,543; Dec. 26.
Bodenman, Hans. (See Hallbauer, Otto, assignor.)
Boehme, John O., Washington, D. C. Flower bed border. 2,184,904; Dec. 26.
Boering Specialty Co. (See Lindgren, Ferdinand, assignor.)
Bogart, Ernest, et al. (See Major, Charles W., assignor.)
Bohner, Hans. (See Beck, A., and Bohner.)
Boiler Room Equipment, Inc. (See Roth, Paul C., assignor.)
Boisseau, Jesse W., assignor of one-half to S. D. Bowles, Dallas, Tex. Dispensing device. 2,184,830; Dec. 26.
Bojner, Gustav, Stockholm, Sweden. System for ventilating rooms. 2,184,484; Dec. 26.
Bolas, John T., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Milling machine. 2,184,708; Dec. 26.
Bold, Ralph E., Lansdowne, Pa., assignor to General Electric Company. Electric circuit breaker. 2,185,166; Dec. 26.
Boller, Hendrik A. G. (See Arthur, J. L., and Boller.)
Bone, Herbert L., Forest Hills, and K. J. J. McGowan, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating mechanism. 2,184,870; Dec. 26.
Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,184,871; Dec. 26.
Bonetti, Domenic, Portland, Maine. Decoy device. 2,185,013; Dec. 26.
Borden, Albert. (See Bensel, Duryea, assignor.)
Botham, Arthur R., New York, N. Y., assignor to Coty, Inc., Wilmington, Del. Cosmetic container. 2,184,730; Dec. 26.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eyeglass case. 2,184,408; Dec. 26.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Goggle. 2,184,409; Dec. 26.
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Silencer. 2,184,891; Dec. 26.
Bowen, George W. (See Osmun, F. N., and Kinzbach, assignors.)
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,185,072; Dec. 26.
Bowles, S. D. (See Boisseau, Jesse W., assignor.)
Boyer, Richard P., Jr., Newton, Mass. Supervisory circuit for telephone switchboards. 2,184,268; Dec. 26.
Brace, Edwin T., assignor to Buckeye Incubator Company, Springfield, Ohio. Incubator. 2,184,685; Dec. 26.
Brammer, George R., Indianapolis, Ind. Well flow stimulator. 2,184,809; Dec. 26.
Brammer, Harry. (See Evans, P. T., Wright, and Brammer.)
Brannas, Earle C. (See Watson, G. W., and Brannas.)
Brassert, H. A., & Company. (See Holmboe, Ralph, assignor.)
Brecknock, Howard. (See Williams, G. A., and Brecknock.)
Brell, Jules J., New York, N. Y., assignor to O-Cedar Corp'n, Chicago, Ill. Mop shaking device. 2,185,101; Dec. 26.
Brennan, Daniel A., Chicago, Ill. Fastener. 2,184,276; Dec. 26.
Brewer, Charles A., Noroton Heights, Conn., assignor to Bendix Products Corporation, South Bend, Ind. Vacuum cleaner. 2,184,731; Dec. 26.
Brewer, Charles A., Noroton Heights, Conn., assignor to Bendix Products Corporation, South Bend, Ind. Vacuum cleaner. 2,184,732; Dec. 26.
Brintnall, Harry W., assignor to Harry W. Brintnall Company, San Francisco, Calif. Conveyer speed changing device. 2,184,905; Dec. 26.
Brintnall, Harry W., Company. (See Brintnall, Harry W., assignor.)

Bristol Aeroplane Company Limited, The. (See Bolas, John T., assignor.)
Brittain, Richard J., Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Axle and housing construction. 2,184,578; Dec. 26.
Britton, Joseph W., G. H. Coleman, and B. C. Hadler, assignors to The Dow Chemical Company, Midland, Mich. Preparation of beta-phenylethyl alcohol. 2,185,141; Dec. 26.
Broderick Company, The. (See Smith, V. W., and Wolf, assignors.)
Brodie, Ralph N., Company. (See Meyers, Leo L., assignor.)
Brooks, Herbert D., Oceanside, and A. A. Roberts, Rockville Centre, assignors to General Railway Signal Company, Rochester, N. Y. Train describer system. 2,184,544; Dec. 26.
Broome, Thorne K., assignor to Airmobile Aircraft Company, Mechanic Falls, Maine. Ski and making the same. 2,184,791; Dec. 26.
Brown, Carl A., Chardon, and C. E. Hahn, Cleveland, Ohio, assignors to General Electric Company. Base for incandescent lamps and similar devices. 2,184,269; Dec. 26.
Brown Instrument Company, The. (See MacConville, J. E., Cockley, and Whitten, assignors.)
Brown Instrument Company, The. (See Moore, C. B., and Jauss, assignors.)
Brown Instrument Company, The. (See Moore, C. B., and Trumbower, assignors.)
Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vehicle suspension. 2,184,933; Dec. 26.
Brown, Wallace, Oakland, Calif. Air conditioner. 2,184,277; Dec. 26.
Browning, James E., assignor of one-half to C. V. Birkhead and W. N. Beckmann, San Antonio, Tex. Pressurestat. 2,184,773; Dec. 26.
Browning, James E., assignor of one-half to C. V. Birkhead and W. N. Beckmann, San Antonio, Tex. Door operating and locking mechanism. 2,184,774; Dec. 26.
Brücke, Otto, Hochspeyer, Pfalz, Germany, assignor to American Lurgi Corporation, New York, N. Y. Distillation of mixtures of high boiling point liquids. 2,184,579; Dec. 26.
Brucker, James W., assignor to Skenandon Rayon Corporation, Utica, N. Y. Apparatus for winding yarn. 2,184,334; Dec. 26.
Bruijnes, Johannes, Mount Vernon, N. Y., and D. M. Duinker and J. G. W. Mulder, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken. Rectifier tube. 2,184,709; Dec. 26.
Bruson, Herman A., and R. N. Washburne, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of esters of methacrylic acid. 2,184,934; Dec. 26.
Bruson, Herman A., and C. W. MacMullen, assignors to Röhm & Haas Company, Philadelphia, Pa. Sulphonated aromatic ether alcohols. 2,184,935; Dec. 26.
Bryan, Andrew B., Tulsa, Okla., assignor to Standard Oil Development Company. Time lines recording apparatus. 2,184,953; Dec. 26.
Buchanan, Hugh, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bumper guard structure. 2,184,631; Dec. 26.
Buckeye Incubator Company. (See Brace, Edwin T., assignor.)
Buckwalter, Tracy V., Massillon, assignor to The Timken Roller-Bearing Company, Canton, Ohio. Apparatus for determining bearing play. 2,185,142; Dec. 26.
Budd, Edward G., Manufacturing Company. (See Farr, William W., assignor.)
Budlioff, Nikolai. (See Jenny, A., Budlioff, Becker, and Anton.)
Buff, Carl T., Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ship propulsion system. 2,184,764; Dec. 26.
Bührmann, Heinrich, Meererbusch, near Dusseldorf, Germany. Machine for paving streets. 2,184,906; Dec. 26.
Burdick, Harry J. McC., Anaheim, Calif. Valve. 2,185,016; Dec. 26.
Burgien, Herbert E., Norristown, Pa. Steel for musical instruments. 2,184,733; Dec. 26.
Burner, Leonard C., Marshfield, Oreg. Wire stretcher. 2,184,379; Dec. 26.
Burnette, Wyatt T. (See Pugh, Samuel T., assignor.)
Campbell Hausfeld Company, The. (See Small, Clyde E., assignor.)
Campbell, James, Jr., Upper Darby, Pa., assignor to American Telephone and Telegraph Company. Telephone ringing system. 2,184,967; Dec. 26.
Campbell, James R., Ontario, Calif., assignor to General Electric Company. Heating device. 2,184,270; Dec. 26.
Campbell, James T., assignor to Douthitt Corporation, Detroit, Mich. Compensating device for combination negatives. 2,184,831; Dec. 26.
Candor, Robert R., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,185,022; Dec. 26.
Capita, Emil R., New York, N. Y. Method and apparatus for securing elements together. 2,184,282; Dec. 26.
Capita, Emil R., New York, N. Y. Heating apparatus and supply therefor. 2,184,283; Dec. 26.
Carborundum Company, The. (See Kirchner, H. P., Melton, and Benner, assignors.)
Carlson, George W., assignor to R. H. McClintic, Pittsburgh, Pa. Carriage return mechanism for automatic typewriters. 2,184,278; Dec. 26.
Carpenter, James H., and W. A. Gabrielson, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Assembly fixture for multiple-slip forms. 2,184,987; Dec. 26.
Case, J. I., Company. (See White, Carl E., assignor.)
Celanese Corporation of America. (See Mellor, A., Bingham, and Pool, assignors.)
Celanese Corporation of America. (See Oxley, H. F., Thomas, and Downing, assignors.)
Challet, Etienne, Paris, France, assignor of one-fourth to Entreprises Electriques Fribourgeoises, Fribourg, Switzerland. Low power heating element. 2,184,485; Dec. 26.
Chamberlain, Julius P., Homestead, Pa. Portable weighing device. 2,185,073; Dec. 26.
Champion, Necols, Orange, N. J. Photograph indentification. 2,184,832; Dec. 26.
Chance, Britton, Mantoloking, N. J. Steering apparatus. 2,185,074; Dec. 26.
Chantland, Sherman A. (See Goebel, G., and Chantland.)
Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Arc welding. 2,184,335; Dec. 26.
Chavicourt, A. L. (See Harrison, Ted, assignor.)
Chemical Construction Corporation. (See Smith, R. P., and Belding, assignor.)
Chenicek, Albert G. (See Muskat, I. E., and Chenicek.)
Chew, William, Carterton, New Zealand. Stepladder, trestle, and the like. 2,184,486; Dec. 26.
Chilton, Roland, Ridgewood, assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Rocking dynamic damper. 2,184,734; Dec. 26.
Chinoin Gyogyszer És Vegyészeti Termékek Gyára R. T. (Dr. Kereszty and Dr. Wolf.) (See Földi, Zoltán, assignor.)
Chiraelio, Peter, Attica, N. Y. Combined brush and comb. 2,185,050; Dec. 26.
Christiansen, Walter G., Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Amino-aliphatic sulphonamides and preparing them. 2,184,279; Dec. 26.
Church, George T., assignor to The Fretz-Moon Tube Company, Inc., Butler, Pa. Coating apparatus. 2,184,610; Dec. 26.
Churchill, David C., Berea, Ky. Loom harness mechanism. 2,184,410; Dec. 26.
Clade, Robert, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y. Universal valve. 2,184,513; Dec. 26.
Clark, John W., De Witt, Iowa. Folding chock. 2,184,487; Dec. 26.
Clark, Leverett M., Snyder, assignor to Waugh Equipment Company, New York, N. Y. Cushioning mechanism. 2,184,936; Dec. 26.
Clark, Ralph R., assignor to Armstrong Cork Company, Lancaster, Pa. Closure assembly apparatus. 2,184,280; Dec. 26.
Clark, Ralph R., assignor to Armstrong Cork Company, Lancaster, Pa. Making closures. 2,184,281; Dec. 26.
Clarke, Charles J., Kingsburg, Calif. Artificial bait or lure. 2,184,792; Dec. 26.
Clawson, Philip E., assignor of one-half to M. M. Lappe, Oak Park, Ill. Can discharge spout. 2,184,632; Dec. 26.
Cleesattel, Carlos G., Olivos, Argentina, assignor of one-third to H. C. Gollmer, New York, N. Y. Shoe for driving piles. 2,184,514; Dec. 26.
Clench, Edward C. S., Leamington Spa, assignor to Automotive Products Company Limited, London, England. Controlling valve for liquid pressure control systems. 2,184,793; Dec. 26.
Clerk, Robert C. (See Sinclair, H., and Clerk.)
Cleveland Punch & Shear Works Company, The. (See Treer, Ross R., assignor.)
Cliffe, Wilfrid H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of new azo dyestuffs. 2,184,515; Dec. 26.
Coban, Harold, New York, N. Y. Hand grenade. 2,184,284; Dec. 26.
Cobb, Louis R., Hopkinsville, Ky. Shutter for motion picture machines. 2,184,710; Dec. 26.
Cobbett, Leonard, assignor to The Foxboro Company, Foxboro, Mass. Switch. 2,184,611; Dec. 26.
Cobert, Joseph K., Sherbrooke, Quebec, Canada. Producing a stocking. 2,184,937; Dec. 26.
Cockley, Neel I. (See MacConville, J. E., Cockley, and Whitten.)
Codling, Eldred P., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,184,285; Dec. 26.
Coey, Stewart C. (See Scott, L. N., and Coey.)
Cohen, Joseph H., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,184,694; Dec. 26.
Cole, Sanford S., Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Preparation of pigment compositions. 2,184,938; Dec. 26.

Coleman, Gerald H. (See Britton, J. W., Coleman, and Hadler.)
Coleman, Orville K. (See Johansson, E. G., and Coleman.)
Coleman, Roy E., Chicago, Ill., assignor to The Zein Corporation of America. Zein solution and coating composition. 2,185,110; Dec. 26.
Coleman, Roy E., Chicago, Ill., assignor to The Zein Corporation of America. Zein solution and coating composition. 2,185,111; Dec. 26.
Coleman, Roy E., Chicago, Ill., assignor to The Zein Corporation of America. Zein solution and coating composition. 2,185,112; Dec. 26.
Coleman, Roy E., Chicago, Ill., assignor to The Zein Corporation of America. Zein solution and coating composition. 2,185,113; Dec. 26.
Coleman, Roy E., Chicago, Ill., assignor to The Zein Corporation of America. Zein solution and coating composition. 2,185,114; Dec. 26.
Coleman, Roy E., Chicago, Ill., assignor to The Zein Corporation of America. Zein solution and coating composition. 2,185,115; Dec. 26.
Coleman, Roy E., Chicago, Ill., assignor to The Zein Corporation of America. Zein solution and coating composition. 2,185,116; Dec. 26.
Coleman, Roy E., Chicago, Ill., assignor to The Zein Corporation of America. Zein solution and coating composition. 2,185,117; Dec. 26.
Coleman, Roy E., Meriden, Conn., assignor to The Zein Corporation of America. Substantially nongelling zein coating composition. 2,185,118; Dec. 26.
Coleman, Roy E., Meriden, Conn., assignor to The Zein Corporation of America. Substantially nongelling coating composition of zein in closed-chain alcohols. 2,185,119; Dec. 26.
Coleman, Roy E., Meriden, Conn., assignor to The Zein Corporation of America. Substantially nongelling coating composition of zein in diacetone alcohol. 2,185,120; Dec. 26.
Coleman, Roy E., Meriden, Conn., assignor to The Zein Corporation of America. Heat hardening coating composition. 2,185,121; Dec. 26.
Coleman, Roy E., Meriden, Conn., assignor to The Zein Corporation of America. Zein containing coating compositions. 2,185,122; Dec. 26.
Coleman, Roy E., Meriden, Conn., assignor to The Zein Corporation of America. Producing stable zein solutions with auxiliary solvents. 2,185,123; Dec. 26.
Coleman, Roy E., Meriden, Conn., assignor to The Zein Corporation of America. Coating composition. 2,185,124; Dec. 26.
Coleman, Roy E., Meriden, Conn., assignor to The Zein Corporation of America. Coating printed surfaces and article formed thereby. 2,185,125; Dec. 26.
Coleman, Roy E., Chicago, Ill., assignor, by mesne assignments, to The Zein Corporation of America. Coated article and forming the same. 2,185,126; Dec. 26.
Collier, David R., and H. W. Sheldrick, assignors to Collier-Keyworth Company, Gardner, Mass. Chair iron. 2,184,988; Dec. 26.
Collier, David R., and H. W. Sheldrick, assignors to Collier-Keyworth Company, Gardner, Mass. Chair iron. 2,184,989; Dec. 26.
Collier-Keyworth Company. (See Collier, D. R., and Sheldrick, assignors.)
Collier, William B., Talmage, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Belt pulley. 2,184,545; Dec. 26.
Collins, Howard W., Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Fibrous bat marking. 2,184,286; Dec. 26.
Collins, Milford E., Hollywood, Calif., assignor to Radio Corporation of America. Film identifying apparatus. 2,184,546; Dec. 26.
Colomb, Henri, Lausanne, Switzerland. Cap jewel bearing for clockwork mechanism. 2,184,580; Dec. 26.
Colson Corporation, The. (See Johnson, Wilfred G., assignor.)
Colton, H. Seymour, et al., trustee. (See Colton, Henry S., assignor.)
Colton, Henry S., Shaker Heights, Ohio, assignor to H. S. Colton, M. J. Rentschler, and J. A. Weeks, as trustees. Moldable material and forming same. 2,184,271; Dec. 26.
Columbian Rope Company. (See Metcalf, Frank R., assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Villem, R., and Goudet, assignors.)
Comstock, James A., assignor to The Acme Electric & Manufacturing Company, Cleveland, Ohio. High leakage reactance transformer. 2,184,581; Dec. 26.
Congoleum-Nairn Inc. (See Allen, Frank M., assignor.)
Conley, Brooks L., assignor of one-half to F. S. Kingston, Jersey City, N. J. Electric motor switch. 2,184,411; Dec. 26.
Conley, Brooks L., assignor of one-half to F. S. Kingston, Jersey City, N. J. Electric motor switch. 2,184,412; Dec. 26.
Conn, Chester J., Suffolk County, N. Y. Quick freezing of food products. 2,184,954; Dec. 26.
Conn, Chester J., Smithtown Branch, N. Y. Method and apparatus for quick freezing of food products. 2,184,990; Dec. 26.
Consolidated Expanded Metal Companies, The. (See Leary, Marshall L., assignor.)
Consolidated Machine Tool Corporation. (See Trosch, Alfred, assignor.)
Continental Can Company. (See Fink, Henry A., assignor.)
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Continental-Diamond Fibre Company. (See Haroldson, Arthur, assignor.)
Continental-Diamond Fibre Company. (See Jones, Norman G., assignor.)
Conwell, William A., Cincinnati, Ohio. Air circulating attachment for refrigerator cars. 2,184,488; Dec. 26.
Cook, Howard D., Elyria, Ohio, assignor to National Tube Company. Edge rolling. 2,184,582; Dec. 26.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Rectifier for absorption refrigerators. 2,184,991; Dec. 26.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration system. 2,184,992; Dec. 26.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,184,993; Dec. 26.
Copeman, Lloyd G., Flint, Mich. Mounting bracket. 2,184,633; Dec. 26.
Cork, Edward C., London, and J. L. Pawsey, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Aerial mounting. 2,184,940; Dec. 26.
Corning Glass Works. (See Gray, David E., assignor.)
Corning Glass Works. (See Snyder, Harold H., assignor.)
Coster, Frank R., Scarsdale, assignor of one-half to H. G. Kimball, Bronxville, N. Y. Underground valve. 2,184,516; Dec. 26.
Cottrell, William P., Los Angeles, Calif. Manufacturing cutting tools. 2,184,776; Dec. 26.
Coty, Inc. (See Botham, Arthur R., assignor.)
Cramer, H. S., et al. (See Dils, Logan A., assignor.)
Crandall, George S. (See Nygaard, E. M., and Crandall.)
Crane, Harold C., assignor to Turnbull Elevator Company Limited, Toronto, Ontario, Canada. Vibration damper. 2,185,023; Dec. 26.
Crede, Charles E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car. 2,184,810; Dec. 26.
Crickmer, Charles S., and R. A. Lamb, assignors to Merla Tool Company, Dallas, Tex. Packing element. 2,184,634; Dec. 26.
Crickmer, Charles S., and R. A. Lamb, assignors to Merla Tool Company, Dallas, Tex. Flow valve. 2,184,635; Dec. 26.
Crickmer, Charles S., and H. C. Glitsch, assignors to Merla Tool Company, Dallas, Tex. Well flowing device. 2,184,636; Dec. 26.
Crompton, Abraham A., near Uttoxeter, Staffordshire, England. Scissors. 2,184,909; Dec. 26.
Cross, Mark, Company. (See Willmot, Frank, assignor.)
Crossley, Moses L., and L. D. Lytle, Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Vat printing black. 2,185,143; Dec. 26.
Crown Cork & Seal Company. (See Austin, H. M., and Muir, assignors.)
Crown Cork & Seal Company. (See Enkur, E. M., and Lauve, assignors.)
Crown Cork & Seal Company. (See Gladfelter, Wiltie I., assignor.)
Crown Cork & Seal Company. (See Goebel, G., and Chantland, assignors.)
Crutchfield, Jack B. (See Zimmer, J. C., and Crutchfield.)
Cummings, Clarence C. (See Bell, William E., assignor.)
Currah, Launcelot E. (See Willans, P. W., and Currah.)
Curtis, Harry A., Knoxville, Tenn. Making calcium metaphosphate. 2,184,287; Dec. 26.
Daigle, Oscar J., New Orleans, La. Automatic bed light. 2,185,051; Dec. 26.
Damsleth, Olaf, assignor to Kaldnes Mek. Verksted A/S, Tonsberg, Norway. Arrangement of main boilers for steamships. 2,184,711; Dec. 26.
Dangelmajer, Charles. (See Meigs, F. M., and Dangelmajer.)
Dangelmajer, Charles, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic and printing media. 2,184,288; Dec. 26.
Dangelmajer, Charles, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic and printing media. 2,184,289; Dec. 26.
Danko, Michael, Millfield, Ohio. Fishing rod holder. 2,184,583; Dec. 26.
Danley, Rhett G., Lawrenceburg, Tenn. Plumb bob windshield. 2,184,505; Dec. 26.
Darrah, William A., Chicago, Ill. Treating metal. 2,184,972; Dec. 26.
Daugherty, Samuel W., Greencastle, Pa. Pavement joint cleaning. 2,185,052; Dec. 26.
Dearborn Chemical Company. (See Hinsch, Walter H., assignor.)
Deere & Company. (See Strandlund, Carl G., assignor.)
De Groote, Melvin, University City, Mo., assignor, by mesne assignments, to Petrolite Corporation, Ltd. Mixed esters. 2,184,794; Dec. 26.
Deibel, Ernest C., Akron, Ohio. Thermal exchange barrel 2,184,380; Dec. 26.

De Lavaud, Dimitri S., Paris, France. Hydraulic power transmission. 2,184,606; Dec. 26.
Della Chiesa, A. D., New York, N. Y., and L. P. Froehlich, East Rutherford, N. J., assignors to Binks Manufacturing Company, Chicago, Ill. Pressure fluid control valve device. 2,184,413; Dec. 26.
Dellachiesa, Hector A., Buenos Aires, Argentina. Water closet valve mechanism. 2,184,584; Dec. 26.
Delves, Francis J. (See Hermsen, W., and Delves.)
Dennedy, James H., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Freezing tray release. 2,184,662; Dec. 26.
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
Dentists' Supply Company of New York, The. (See Martin, Archibald, assignor.)
De Smet, Edgard C. (See Johnson, P. C., and De Smet.)
Deutschmann, Arnold, Brookline, assignor to Tobe Deutschmann Corporation, Canton, Mass. Electrolytic condenser. 2,184,686; Dec. 26.
Deutschmann, Tobe, Corporation. (See Deutschmann, Arnold, assignor.)
Devine, James H., Ste. Genevieve, Mo., assignor, by mesne assignments, to Dev-Insular Company. Lunch box. 2,184,336; Dec. 26.
Devine, John J., Middletown, Conn. Writing instrument. 2,184,585; Dec. 26.
Dev-Insular Company. (See Devine, James H., assignor.)
Dewey, David B., Pasadena, Calif. Self-contained auto cooling unit. 2,184,833; Dec. 26.
Diamond Braiding Mills. (See Berolzheimer, Clarence P., assignor.)
Dickinson, John A., Montreal, Quebec, Canada. Valve. 2,184,892; Dec. 26.
Dienstel, Arthur, Tucson, Ariz. Journal box packing retainer. 2,185,075; Dec. 26.
Dietzgen, Eugene, Company. (See Langsner, Adolph, assignor.)
Dillow, William H., Pasadena, Calif. Piston expander. 2,184,489; Dec. 26.
Dils, Logan A., Stuttgart, assignor, by mesne assignments of nine-twentieths to R. M. Foster, Helena, Ark., one-half to H. S. Cramer, New York, N. Y., and one-twentieth to D. McCabe, Chicago, Ill. Process and composition for treating food materials. 2,185,053; Dec. 26.
Dils, Logan A., Stuttgart, assignor, by mesne assignments, of nine-twentieths to R. M. Foster, Helena, Ark., one-half to H. S. Cramer, New York, N. Y., and one-twentieth to D. McCabe, Chicago, Ill. Preparation of cereal foods. 2,185,054; Dec. 26.
Dimmick, Glenn L., Eriton, N. J., assignor to Radio Corporation of America. Sound recording and reproducing. 2,184,547; Dec. 26.
Dimmick, Glenn L., Haddonfield, N. J., assignor to Radio Corporation of America. Recording of electrical impulses. 2,184,548; Dec. 26.
Dittmer, Arthur F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Otoscope. 2,184,414; Dec. 26.
Dittmer, Arthur F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projector. 2,184,415; Dec. 26.
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,184,735; Dec. 26.
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,184,736; Dec. 26.
Dodge, Wesley, Oakland, assignor to Paterson Pacific Parchment Company, San Francisco, Calif. Lettuce packing machine. 2,184,290; Dec. 26.
Do Huu Chan, André, Sceaux, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Ibis, France. Device for regulating the temperature of metal cylinders. 2,184,908; Dec. 26.
Dolan, George A. (See Smith, H. B., and Dolan.)
Dole Valve Company, The. (See Drapeau, Harold B., assignor.)
Donagemma, Giuseppe and P., assignors to "Snia-Viscosa" Società Nazionale Industria Applicazioni Viscosa, Milan, Italy. Conversion of waste regenerated cellulose to cellulose xanthate. 2,184,586; Dec. 26.
Donagemma, Piero. (See Donagemma, Giuseppe and P.)
Donahue, A. J., Corporation, The. (See Jacobs, Joseph, assignor.)
Donnelly, Victor J. F. (See Morgan, J. E. H., and Donnelly.)
Dorgelo, Eduard G. (See Elenbaas, W., Dorgelo, and Lemmens.)
Dorozinski, Julia, New York, N. Y. Medicine feeding device. 2,184,857; Dec. 26.
Douthitt Corporation. (See Campbell, James T., assignor.)
Dow Chemical Company, The. (See Britton, J. W., Coleman, and Hadler, assignors.)
Downing, John. (See Oxley, H. F., Thomas, and Downing.)
Drapeau, Harold B., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Valve for engine temperature control. 2,184,291; Dec. 26.
Driftmeyer, Herbert L., Fort Wayne, Ind., assignor to General Electric Company. Electrical winding. 2,184,272; Dec. 26.
Duinker, Daniel M. (See Bruijnes, J., Duinker, and Mulder.)
Driscoll, Wilmer C., Roanoke, Va. Game. 2,185,055; Dec. 26.
Dukas, James K., Kingston, Pa. Furnace grate. 2,184,292; Dec. 26.
Du Pont, E. I., de Nemours & Company. (See Dangelmajer, Charles, assignor.)
Du Pont, E. I., de Nemours & Company. (See Edgar, D. E., and Stauffer, assignors.)
Du Pont, E. I., de Nemours & Company. (See Larson, Louis L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Meigs, Frederick M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Meigs, F. M., and Dangelmajer, assignors.)
Du Pont, E. I., de Nemours & Company. (See Merrill, Warner J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Meuly, Walter C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wende, Charles W. J., assignor.)
Du Pont Film Manufacturing Corporation. (See Jennings, A. B., and Middleton, assignors.)
Durant, Lyndon A. (See Williams, H. E., and Durant.)
Duryea, O. C., Corporation. (See Duryea, Otho C., assignor.)
Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, New York, N. Y. Car body bolster. 2,184,337; Dec. 26.
Duvall, William J., and G. W. Froemke, assignors to Smith & Davis Manufacturing Company, St. Louis, Mo. Bedspring. 2,184,517; Dec. 26.
Dye, Glen M., Minneapolis, Minn. Print drying apparatus. 2,184,663; Dec. 26.
Dyer, Lloyd W. (See Baker, B. P., and Dyer.)
Dyke, Herbert G., Larchmont, N. Y. Ashtray. 2,184,994; Dec. 26.
Eash, John T., Cranford, and T. J. Wood, Nutley, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Welding rod and hard overlay deposited therefrom. 2,184,518; Dec. 26.
Eason, Clarence M., assignor to Industrial Clutch Company, Waukesha, Wis. Clutch. 2,184,506; Dec. 26.
Eastman Kodak Company. (See Gramkee, Bruce E., assignor.)
Eastman Kodak Company. (See Kenyon, William O., assignor.)
Eastman Kodak Company. (See Kocher, N. S., and Smith, assignors.)
Eastman Kodak Company. (See Othmer, Donald F., assignor.)
Eastman Kodak Company. (See Smith, Henry B., assignor.)
Eastman Kodak Company. (See Smith, H. B., and Swan, assignors.)
East Shore Machine Products Company, The. (See Glenny, Robert E., assignor.)
Eaton, Charles F., Methuen, Mass., assignor of one-half to North American Holding Corporation, and one-half to Parshad Holding Corporation, Syracuse, N. Y. Lubricating holder for knives. 2,184,612; Dec. 26.
Eberly, Walter C. (See Smellie, D. G., and Eberly.)
Eddy, Forrest R., Gary, Ind. Apparatus for winding scrap from multiple slitting shears. 2,185,076; Dec. 26.
Eddy, Nelson, Beverly Hills, Calif. Extension for gearshift levers. 2,185,024; Dec. 26.
Edgar, Donald E., Philadelphia, and H. G. Stauffer, Drexel Hill, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Abrasive. 2,184,293; Dec. 26.
Edison General Electric Appliance Company. (See Ettinger, Wallace J., assignor.)
Edison, Thomas A., Incorporated. (See Gramann, Heinrich F. M.)
Edison, Thomas A., Incorporated. (See Huenlich, Charles, assignor.)
Edison, Thomas A., Incorporated. (See Jacobs, C. T., and La Forest, assignors.)
Edison, Thomas A., Incorporated. (See Somers, Richard M., assignor.)
Edwards, Martin A. (See Libman, E. E., and Edwards.)
Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection pump. 2,185,144; Dec. 26.
Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel pump. 2,185,145; Dec. 26.
Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection pump. 2,185,146; Dec. 26.
Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Speed governing pump. 2,185,147; Dec. 26.
Eggerss, Hans A., Van Wert, Ohio. Tool for applying split clamping rings to containers. 2,184,921; Dec. 26.
Ego, George R., Brantford, Ontario, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Earth working implement. 2,184,416; Dec. 26.
Ehret, Clement, White Plains, N. Y. Antiskid device for motor vehicles. 2,184,664; Dec. 26.

Ehrlich, Karl, Milan, Italy. Cone bearing. 2,185,056; Dec. 26.
Einbeck, Friedrich, and O. Korbmacher, assignors to the firm Aug. Klonne, Dortmund, Germany. Gas holder. 2,184,795; Dec. 26.
Ekhard, Willy, Berlin-Pankow, Germany. Fermentation process for treating crude ethereal oils. 2,184,637; Dec. 26.
Ekstrand, Karl H., Skarplinge, Sweden. Supporting arm device. 2,184,587; Dec. 26.
Electric & Musical Industries Limited. (See Cork, E. C., and Pawsey, assignors.)
Electric Storage Battery Company, The. (See Graf, Ernest, assignor.)
Electric Storage Battery Company, The. (See Woodbridge, Joseph L., assignor.)
Elenbaas, Willem, E. G. Dorgelo, and H. J. Lemmens, Eindhoven, Netherlands, assignors to General Electric Company. Electric lamp. 2,185,025; Dec. 26.
Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,184,417; Dec. 26.
Elliott, Harmon P., Watertown, Mass. Addressing machine and card feeding mechanism therefor. 2,185,014; Dec. 26.
Elliott, Harry S., Des Moines, Iowa. Meat tenderer. 2,184,450; Dec. 26.
Embury, Frederick B., assignor to Embury Manufacturing Company, Warsaw, N. Y. Holding means for flares and the like. 2,184,273; Dec. 26.
Embury Manufacturing Company. (See Embury, Frederick B., assignor.)
Emulsol Corporation, The. (See Katzman, Morris B., assignor.)
Enkur, Edward M., and L. L. Lauve, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus and method of vacuumizing containers. 2,184,490; Dec. 26.
Ennis, George H., assignor of one-half to R. V. Funk, Long Beach, Calif. Method of and apparatus for locating water leakages into wells. 2,184,338; Dec. 26.
Entreprises Electriques Fribourgeoises. (See Challet, Etienne, assignor.)
Eppensteiner, William F., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Receiving device for castings. 2,184,519; Dec. 26.
Erickson, Prentis E., Minneapolis, Minn. Automobile steering wheel. 2,184,588; Dec. 26.
Erickson, Robert B., Philadelphia, Pa. Recovery of lead. 2,184,520; Dec. 26.
Ericksen, Oliver H., Chico, Calif. Bug deflector. 2,184,995; Dec. 26.
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del. Double-acting hydraulic press. 2,184,638; Dec. 26.
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del. Self-centering servomotor. 2,184,665; Dec. 26.
Etherington, Duke. (See Lewis, Cyril E., assignor.)
Ettinger, Wallace J., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Temperature control device. 2,184,339; Dec. 26.
Evans, Percival T., and J. H. Wright, Coventry, and H. Brammer, Leeds, England. Belting. 2,184,796; Dec. 26.
Evans, William B., and D. A. Lawson, assignors to Tennessee Enamel Manufacturing Company, Nashville, Tenn. Coin changing machine. 2,185,148; Dec. 26.
Ever Ready Calendar Manufacturing Co. (See Kemp, William H., assignor.)
Evleth, Everett B., Bryn Mawr, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Evaporative cooling system. 2,184,613; Dec. 26.
Exhibit Supply Company, The. (See Radtke, Bruno, assignor.)
Exline, Katherine M., et al. (See Exline, Marcus P., assignor.)
Exline, Marcus P., assignor of one-half to T. L. Jaggars, and one-half to K. M. Exline, Dallas, Tex. Toy. 2,184,639; Dec. 26.
Fabian, Carl M. (See Hooker, D. L., and Fabian.)
Faigle, Arthur A., assignor to Zelda Radow Salon of Body Sculpture, Inc., New York, N. Y. Massage table. 2,184,418; Dec. 26.
Fallar, James, Forest Hills, N. Y. Necktie. 2,184,737; Dec. 26.
Farley, William R., Wilkinsburg, Pa., A. L. Atherton, Longmeadow, Mass., and O. Gonano, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrode control for searchlights. 2,184,765; Dec. 26.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed controlled brake. 2,184,549; Dec. 26.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retardation controller. 2,184,550; Dec. 26.
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Cold cathode electron discharge tube. 2,184,910; Dec. 26.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Farr, William W., Penn Valley, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle construction. 2,184,614; Dec. 26.
Fend, Kurt, Pforzheim, Germany. Pressure feed pencil. 2,184,911; Dec. 26.
Fergueson, Arthur P., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Variable ratio brake lever. 2,184,294; Dec. 26.
Ferlin, Dale E., Meadville, Pa. Combination wrench and slide feeler gauge. 2,184,340; Dec. 26.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Garage door construction. 2,184,341; Dec. 26.
Fiat Societa Anonima. (See Valletta, Vittorio, assignor.)
Figgie, Harry E., Cleveland, and N. E. Hendrickson, assignors to The Mather Spring Company, Toledo, Ohio. Spring leaf manufacture. 2,184,381; Dec. 26.
Finch, Raymond J. (See Jabelmann, O., and Finch.)
Finch, William G. H., New York, N. Y. Stylus for facsimile recorders. 2,184,973; Dec. 26.
Findley, Joshua V., Bumble Bee, Ariz. Table. 2,184,695; Dec. 26.
Fink, Henry A., Pelham Manor, assignor to Continental Can Company Inc., New York, N. Y. Sheet metal can body. 2,185,057; Dec. 26.
Fireman, Peter, Lambertville, N. J., assignor to Magnetic Pigment Company, New York, N. Y. Production of iron oxide. 2,184,738; Dec. 26.
Firestone Tire & Rubber Company, The. (See Brown, Roy W., assignor.)
Firth, Lewis G. (See Welch, E. B., and Firth.)
Firth-Sterling Steel Company. (See Welch, E. B., and Firth, assignors.)
Fleissig, Ernst W., Vienna, Austria. Container. 2,184,712; Dec. 26.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Tag. 2,184,777; Dec. 26.
Fluor Corporation, The. (See Hutchinson, Arthur J. L., assignor.)
Földi, Zoltán, Budapest, assignor to the firm Chinoin Gyogyszer És Vegyészeti Termékek Gyára R. T. (Dr. Kereszty and Dr. Wolf), Ujpest, Hungary. Production of polydroxyfushsone derivatives by means of aliphatic groups. 2,184,491; Dec. 26.
Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Fluorescent materials. 2,184,274; Dec. 26.
Forstner Chain Corporation. (See Schoeninger, Adolf O., assignor.)
Foster Machine Company. (See Foster, W. H., and Tyson, assignors.)
Foster, Robert M., et al. (See Dils, Logan A., assignor.)
Foster, William H., and L. D. Tyson, assignors to Foster Machine Company, Elkhart, Ind. Surface finishing. 2,184,640; Dec. 26.
Fountain Comb Company, The. (See Slaney, John E., assignor.)
Fowler, Theodore V., Pelham, N. Y., and H. F. Merriam, West Orange, N. J., assignors to General Chemical Company, New York, N. Y. Manufacture of ferric sulphate. 2,184,419; Dec. 26.
Foxboro Company, The. (See Cobbett, Leonard C., assignor.)
Foxboro Company, The. (See Macdonald, Waldron S., assignor.)
Frank, Irving. (See Manne, M., and Frank.)
Frantz Manufacturing Co. (See Ferris, William D., assignor.)
Fraser, John, assignor to Avery-Hardoll Limited, Clerkenwell Green, London, England. Transfer mechanism for counting and computing mechanism. 2,184,420; Dec. 26.
Froch, Charles, and J. E. Nilsson, London, England. Articles of furniture, such as bedchairs and bedsettees. 2,184,713; Dec. 26.
Fredericks, William M., Spokane, Wash. Colored flame candle. 2,184,666; Dec. 26.
Freeman, Albert E., South Orange, and T. C. Smith, Westfield, N. J., assignors to American Telephone and Telegraph Company. Cable and wire laying machine. 2,184,912; Dec. 26.
Freeman, Olen I., Atlanta, Ga. Building construction. 2,184,714; Dec. 26.
Freer, Robert M., Saltcoats and G. Morris, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Flooring. 2,184,811; Dec. 26.
French, James D., Austin, Tex., assignor of five per cent to V. Lowrey and J. M. Mason. Highway stripe. 2,184,492; Dec. 26.
Fretz-Moon Tube Company, The. (See Church, George T., assignor.)
Freud, Joseph, Chicago, Ill., assignor to A. B. Adair. Cigar capping machine. 2,184,687; Dec. 26.
Frey, Charles N. (See Light, R. F., and Frey.)
Frey, Frederick E., and R. D. Snow, assignors to Phillips Petroleum Company, Bartlesville, Okla. Producing olefin-sulphur dioxide resins. 2,184,295; Dec. 26.
Frick Company. (See Aubrey, William H., assignor.)
Fricke, Hans. (See Meinhardt, F., and Fricke.)
Froehlich, Louis P. (See Della Chiesa, A. D., and Froehlich.)
Froemke, Gerald W. (See Duvall, W. J., and Froemke.)

Fromhart, Herman S., Kamloops, British Columbia, Canada. Warning signal for air brakes. 2,184,715; Dec. 26.

Fuller, Cornell G., Barnwell, assignor of one-third to W. K. Beckham, Columbia, and one-third to F. E. Armstrong, Greenville, S. C. Road machine. 2,184,913; Dec. 26.

Funk, Robert V. (See Ennis, George H., assignor.)

Funseh Aktiengesellschaft. (See Günzel, E., and Ruska, assignors.)

Fyles, Lyndon F., Rochester, Vt. Wire-transport reel. 2,184,739; Dec. 26.

Gabrielson, William A. (See Carpenter, J. H., and Gabrielson.)

Gacioppo, Alfonso, Tucuman, Argentina. Shock absorber. 2,185,127; Dec. 26.

Gaines, John M., Jr. (See Babcock, R. S., and Gaines.)

Gallagher, Arthur D. See Lindgren, A. C., and Gallagher.)

Galusha, Albert L., Caldwell, N. J. Controlling the production of water vapor by and supply to gas producers. 2,185,077; Dec. 26.

Gamewell Company, The. (See Little, Elmer H., assignor.)

Gehrke, Max. (See Schwenk, E., Hildebrandt, and Gehrke.)

Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)

Geiger, Russel C. (See Meeker, D. A., and Geiger.)

General Aniline Works, Inc. (See Bauer, Wilhelm, assignor.)

General Aniline Works, Inc. (See Schultis, C. T., and Korten, assignors.)

General Chemical Company. (See Fowler, T. V., and Merriam, assignors.)

General Chemical Company. (See Swaine, James W., assignor.)

General Electric Company. (See Biggs, Leonard R., assignor.)

General Electric Company. (See Bold, Ralph E., assignor.)

General Electric Company. (See Brown, C. A., and Hahn, assignors.)

General Electric Company. (See Campbell, James R. assignor.)

General Electric Company. (See Chapman, Verni J., assignor.)

General Electric Company. (See Driftmeyer, Herbert L., assignor.)

General Electric Company. (See Elenbaas, W., Gordelo, and Lemmens, assignors.)

General Electric Company. (See Fonda, Gorton R., assignor.)

General Electric Company, et al. (See (Grupe, H. L., and Moran, assignors), and Robertson.)

General Electric Company. (See Hemphill, Lawrence F., assignor.)

General Electric Company. (See Jewell, Richard G., assignor.)

General Electric Company. (See Levine, Samuel J., assignor.)

General Electric Company. (See Lewis, Walter W., assignor.)

General Electric Company. (See Libman, E. E., and Edwards, assignors.)

General Electric Company. (See Marsh, Myrle O., assignor.)

General Electric Company. (See Morrill, W. J., and Schaefer, assignors.)

General Electric Company. (See Mueller, Adolf G., assignor.)

General Electric Company. (See Powers, James H., assignor.)

General Electric Company. (See Rowell, Ralph M., assignor.)

General Electric Company. (See Stubbs, A., and Townend, assignors.)

General Electric Company. (See Thompson, Louis W., assignor.)

General Electric Company. (See Tritle, John F., assignor.)

General Electric Company. (See von Hoorn, Fred G., assignor.)

General Electric Company. (See Williams, G. A., and Brecknock, assignors.)

General Electric Company. (See Wood, Orla L., assignor.)

General Motors Corporation. (See (Arthur, J. L., assignor), and Boller.)

General Motors Corporation. (See Brittain, Richard J., Jr., assignor.)

General Motors Corporation. (See Candor, Robert R., assignor.)

General Motor Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Smith, H. F., and Waring, assignors.)

General Railway Signal Company. (See Brooks, H. D., and Roberts, assignors.)

General Railway Signal Company. (See Hailes, William D., assignor.)

General Railway Signal Company. (See Phinney, Robert M., assignor.)

General Steel Castings Corporation. (See Pagenkemper, Arthur H., assignor.)

General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)

Genter, Theodore L., Oakland, assignor to Oliver United Filters Incorporated, San Francisco, Calif. Filter. 2,184,451; Dec. 26.

Geophysical Research Corporation. (See Owen, John E., assignor.)

George, Douglas F., London, England, assignor to Radio Corporation of America. Radio and other high frequency telegraph transmitters. 2,184,382; Dec. 26.

Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Bag pressure indicator for suction cleaners. 2,184,421; Dec. 26.

Gerber, Isidor, Brooklyn, N. Y. Glove forming and pressing machine. 2,184,521; Dec. 26.

Gerlach, Erwin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Grinding and polishing machine. 2,184,955; Dec. 26.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ice tray. 2,184,797; Dec. 26.

Gillette Safety Razor Company. (See Young, Louis H., assignor.)

Gilliland, Edwin R., Cambridge, Mass., and R. Rosen, Elizabeth, N. J., assignors to Standard Oil Development Company. Blending agent for gasoline. 2,184,956; Dec. 26.

Gilpin, Garth G. (See Jumper, F. J., and Gilpin.)

Gladfelter, Wiltie I., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling and crowning mechanism. 2,184,493; Dec. 26.

Glanz, Victor, Chicago, Ill. Stereoscopic moving picture apparatus. 2,184,641; Dec. 26.

Glass, Edwin B., Los Angeles, Calif. Rectal electrode. 2,184,642; Dec. 26.

Glass, John V. S., Sutton Weaver, near Warrington, England, assignor to Imperial Chemical Industries Limited. Manufacture of gelatin. 2,184,494; Dec. 26.

Gleason, Anthony H., and R. Rosen, Elizabeth, N. J., assignors to Standard Oil Development Company. Polymerization with boron fluoride. 2,184,957; Dec. 26.

Glekler, John T. (See Sholes, J. G., and Glekler.)

Glenny, Robert E., assignor of forty-nine one-hundredths to The East Shore Machine Products Company, Cleveland, Ohio. Expansible broach. 2,184,383; Dec. 26.

Glitsch, Hans C. (See Crickmer, C. S., and Glitsch.)

Globe Steel Abrasive Company, The. (See Kann, Gustave H., assignor.)

Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Electromechanical drive. 2,184,958; Dec. 26.

Goebel, George, and S. A. Chantland, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Sheet feeder. 2,184,296; Dec. 26.

Goecke, Rudolph F., Elyria, Ohio, assignor to The Pfandler Co., Rochester, N. Y. Tank and insulating means therefor. 2,185,026; Dec. 26.

Golden State Company. (See Peebles, David D., assignor.)

Gollmer, Hugo C. (See Cleesattel, Carlos G., assignor.)

Gonano, Otto. (See Farley, W. R., Atherton, and Gonano.)

Goodman, Jean, New York, N. Y. Drier for polished nails. 2,184,858; Dec. 26.

Goodrich, B. F., Company, The. (See Collier, William B., assignor.)

Goudet, Hugo. (See Villem, R., and Goudet.)

Graban, Martin. (See Land, E. H., and Graban.)

Gracey, Glen A., Grand Rapids, Mich. Device for deflecting air streams. 2,184,798; Dec. 26.

Graenacher, Charles, Riehen, and M. Matter, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Printing assistant. 2,184,495; Dec. 26.

Graf, Ernest, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Vent and filling means for storage battery cells. 2,185,102; Dec. 26.

Graff, George B., Company. (See Stewart, Robert A., assignor.)

Graham, Charlie A., Apple Springs, Tex. Wrench. 2,185,058; Dec. 26.

Graham, William S., Canton, Ill., assignor to International Harvester Company. Harvesting machine for beets and the like. 2,184,422; Dec. 26.

Gramann, Heinrich F. M., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,184,914; Dec. 26.

Grankee, Bruce E., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing tributyrin. 2,184,423; Dec. 26.

Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Conveyer. 2,184,915; Dec. 26.

Green, Norval H., North Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Weld splash shield. 2,184,939; Dec. 26.

Greenawalt, John E., Bronxville, N. Y. Fuel burner and fuel combustion. 2,184,861; Dec. 26.

Greenwood, Henry B., assignor to F. X. Hooper Company, Inc., Glenarm, Md. Web cut-off. 2,184,522; Dec. 26.

Gregoric, Brand F., assignor to Pneumatic Truck Body Corporation, Detroit, Mich. Pneumatic loader. 2,184,384; Dec. 26.

Griffith, Charles H., Miami, Fla. Fishline releaser. 2,184,589; Dec. 26.

Grindle, Aubrey J., Chicago, assignor to A. F. Pitzner, Winnetka, Ill. Melting apparatus. 2,184,297; Dec. 26.

Groene, William F., and W. F. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chuck. 2,184,590; Dec. 26.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Orbital lathe. 2,184,591; Dec. 26.

Groff, Emory L., Washington, D. C. Articulated train. 2,184,298; Dec. 26.

Grunert, Kurt, Zittau, Germany. Machine for cutting lengths of thread or the like. 2,184,452; Dec. 26.

Grupe, Herman L., Scotia, N. Y., J. A. Robertson, Framingham, Mass., and D. E. Moran, Scotia, N. Y.; said Grupe and said Moran assignors to General Electric Company, and said Robertson assignor to Warren Telechron Company. Electrical coil and making the same. 2,184,342; Dec. 26.

Guardite Corporation, The. (See Baer, John M., assignor.)

Günther, Wolfgang, Berlin-Friedenau, Germany, assignor to Askania-Werke A. G. Optical device. 2,184,615; Dec. 26.

Günzel, Erwin, Berlin-Lichterfelde Sud, and E. Ruska, Berlin-Zehlendorf, assignors to the firm of Fernsch Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Producing sectional coatings in vacuum vessels. 2,184,922; Dec. 26.

Gutmann, Franz. (See Homberger, Ernst, assignor.)

Haast, William E., Hawthorne, N. J. Thermostatically controlled fuel enrichment device. 2,184,834; Dec. 26.

Hadler, Bartholdt C. (See Britton, J. W., Coleman, and Hadler.)

Hagerty, Andrew T., and C. M. Verhagen, Elkhart, Ind., assignors to The Adlake Company. Combination baggage rack and lighting fixture. 2,185,078; Dec. 26.

Hahn, Clarence E. (See Brown, C. A., and Hahn.)

Hahnemann, Walter M., Berlin-Marienfelde, and A. Wiessner, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. System for transmitting communications. 2,184,835; Dec. 26.

Hailes, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,184,696; Dec. 26.

Hale, Elbert D., Glasgow, Mont. Pump. 2,184,496; Dec. 26.

Hale, Lloyd, Westfield, N. J., and E. McM. Pennock, Excelsior, and E. E. Price, assignors to G. H. Tennant Company, Minneapolis; M. T. Price, Hennepin County, Minn., special administratrix of E. E. Price, deceased. Abrading implement and making and assembling the same. 2,185,027; Dec. 26.

Hall, Isaac L., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Chain drive. 2,185,079; Dec. 26.

Hall, Ocie C., Chicago, Ill., assignor to The Barrett Company, New York, N. Y. Shingle. 2,184,385; Dec. 26.

Hallbauer, Otto, Grantwood, assignor of one-half to H. Bodenman, North Bergen, N. J. Vanity case. 2,185,149; Dec. 26.

Haltmeier, Alfred, Cologne, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovering ammonia from used cuprammonium artificial silk precipitation liquors. 2,184,923; Dec. 26.

Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Hopper construction. 2,184,924; Dec. 26.

Hammond, Laurens, Chicago, Ill. Electrical musical instrument. 2,184,424; Dec. 26.

Hannan, Richard J., Pittsburgh, Pa. Implement holder. 2,184,667; Dec. 26.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electric arc discharge lamp. 2,184,386; Dec.26 .

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Mercury arc oscillator. 2,184,740; Dec. 26.

Hansen, Julius W. and W. L., and I. N. Hurst, assignors to Hansen Manufacturing Company, Inc., Princeton, Ind. Synchronized clock escapement. 2,184,668; Dec. 26.

Hansen Manufacturing Company. (See Hansen, Julius W., and W. L., and Hurst, assignors.)

Hansen Mfg. Company. (See Hansen, William L., assignor.)

Hansen, William L., assignor to Hansen Mfg. Company, Inc., Princeton, Ind. Gear casing. 2,184,669; Dec. 26.

Hansen, William L. (See Hansen, Julius W. and W. L., and Hurst.)

Harding, William R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cross-field generator. 2,184,766; Dec. 26.

Haroldson, Arthur, assignor to Continental-Diamond Fibre Company, Newark, Del. Resinous product and making the same. 2,185,080; Dec. 26.

Harrington, Ferris T., assignor to Vickers, Incorporated, Detroit, Mich. Reducing valve. 2,184,670; Dec. 26.

Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Core taking apparatus. 2,184,343; Dec. 26.

Harrison, Ted, assignor of one-half to A. L. Chavicourt, Erwin, Tenn. Collapsible container closure. 2,184,592; Dec. 26.

Hartley, George C. (See Wright, E. P. G., and Hartley.)

Hartley, George C., and M. S. Snell, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Private branch exchange system. 2,184,523; Dec. 26.

Hartmann, Fritz, Dortmund, assignor to Kohle- und Eisenforschung G. m. b. H., Dusseldorf, Germany. High frequency smelting furnace. 2,184,741; Dec. 26.

Havemann, Hinrich, and K. Smeykal, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purification of tricresyl phosphate used for the extraction of phenols. 2,184,697; Dec. 26.

Hayes, John P., Los Angeles, Calif. Punching bag. 2,184,453; Dec. 26.

Head, Casimir J., assignor to Metallurgical Development Company Limited, Montreal, Quebec, Canada. Making alloys of iron and steel. 2,185,081; Dec. 26.

Hefti, Fridolin, assignor to the firm Aktiengesellschaft Cilander, Herisau, Switzerland. Ornamenting textiles. 2,184,593; Dec. 26.

Heigis, Henry E., West Orange, assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Fluid pressure operated apparatus and fluid control valve therefor. 2,185,103; Dec. 26.

Heller, Harry, Ardmore, Pa., assignor to Sun Oil Company. Temperature control apparatus. 2,185,104; Dec. 26.

Helmert, Robert, Berlin-Lankwitz, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Telegraph system. 2,184,836; Dec. 26.

Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,184,742; Dec. 26.

Henning, Harold, Dedham, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Heat exchange unit. 2,184,837; Dec. 26.

Hemphill, Lawrence F., Fort Wayne, Ind., assignor to General Electric Company. Electric circuit. 2,184,344; Dec. 26.

Henderson, Albert, assignor to W. P. Witherow, Pittsburgh, Pa. Retaining wall. 2,184,974; Dec. 26.

Hendrickson, Niels E. (See Figgie, H. E., and Hendrickson.)

Hendrix, Nathan A., Reno, Nev. Safety hook. 2,184,812; Dec. 26.

Henry, Frederick G., New York, N. Y. Container. 2,184,799; Dec. 26.

Hercules Powder Company. (See Giggam, David R., assignor.)

Hermann, Theodor. (See Stotter, H., and Hermann.)

Hermsen, Wilhelmus, and F. J. Deives, Paris, France. Making an alloy. 2,184,716; Dec. 26.

Hersey, Donald S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Finned cylinder. 2,184,345; Dec. 26.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,184,551; Dec. 26.

Heybourne, Victor C., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Copy holder for cameras. 2,184,698; Dec. 26.

Hickey, Walter R., Butler, Pa. Safety device. 2,184,497; Dec. 26.

Hildebrandt, Friedrich. (See Schwenk, E., Hildebrandt, and Gehrke.)

Hildebrandt, Friedrich, Hohen Neuendorf, near Berlin, Germany, assignor to Schering Corporation, Bloomfield, N. J. Keto cyclopentano dimethyl polyhydro phenanthroles and producing the same. 2,184,299; Dec. 26.

Hill, Bruce L., Chicago, Ill. Squeezer device. 2,184,454; Dec. 26.

Hill, Edward G., assignor to Hill Engineering Corporation, Richmond, Va. Clutch control mechanism for motor vehicles. 2,184,616; Dec. 26.

Hill Engineering Corporation. (See Hill, Edward G., assignor.)

Hill, Leland H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical apparatus. 2,185,105; Dec. 26.

Hillis, David R., Detroit, Mich., assignor to Trahon Engineering Corporation, Cleveland, Ohio. Reversible multiple outlet feeder. 2,184,778; Dec. 26.

Hinsch, Walter H., assignor to Dearborn Chemical Company, Chicago, Ill. Water treatment apparatus. 2,184,346; Dec. 26.

Hinsky, Anthony P., assignor to Pyro Products Corporation, Brooklyn, N. Y. Machine for marking electric conductors. 2,184,552; Dec. 26.

Hirsch, Paul A. (See Hodson, F., and Hirsch.)

Hobart Manufacturing Company. (See Meeker, D. A., and Geiger, assignors.)

Hodaly, Emerick, Detroit, Mich. Electric blending vaporizer. 2,184,872; Dec. 26.

Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Traveling cleaner. 2,184,880; Dec. 26.

Hodgins, Theodore S., Detroit, and A. G. Hovey, Pleasant Ridge, assignors, by mesne assignments, to Reichhold Chemicals, Inc., Detroit, Mich. Water-soluble urea-formaldehyde ethylene glycol condensation products. 2,185,167; Dec. 26.

Hodson, Frank, and P. A. Hirsch, New York, N. Y. Beneficiating or reducing ores to metal. 2,184,300; Dec. 26.

Hofmann, George F. (See Nathanson, P., and Hofmann.)

Hofmann, Harry E., Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Record blank. 2,184,524; Dec. 26.

Holland, Albert, Fargo, N. Dak. Grate. 2,185,028; Dec. 26.

Hollander, Joseph J., Chicago, Ill. Eliminating odors in cooking. 2,184,671; Dec. 26.

Holmboe, Ralph, assignor to H. A. Brassert & Company, Chicago, Ill. Indicator for liquid flow. 2,184,643; Dec. 26.

Homberger, Ernst, Frankfort-on-the-Main, Germany, assignor to F. Gutmann, Brooklyn, N. Y. Climate cabinet. 2,184,644; Dec. 26.

Hooker, Douglas L., Woodbury, N. J., and C. M. Fabian, Beaumont, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treating oils. 2,184,838; Dec. 26.

Hooker Electrochemical Company. (See Babcock, J. H., and Loverde, assignors.)

Hooker Electrochemical Company. (See Wojcik, Bruno H., assignor.)

Hooks, Herbert C., Bellerose, N. Y., assignor to Moore Push-Pin Co., Philadelphia, Pa. Clip pin. 2,185,082; Dec. 26.

Hooper, F. X., Company. (See Greenwood, Henry B., assignor.)

Hoover Company, The. (See Coons, Curtis C., assignor.)

Hoover Company, The. (See Gerber, Dale C., assignor.)

Hoover Company, The. (See Nelson, Rudolph S., assignor.)

Hoover Company, The. (See Reed, Robert M., assignor.)

Hoover Company, The. (See Sellers, William D., assignor.)

Hoover Company, The. (See Smellie, D. G., and Eberly, assignors.)

Hoover Company, The. (See Snyder, Eugene L., assignor.)

Hoover Company, The. (See Troxler, Charles G., assignor.)

Horn, George B. (See Starring, D. S., and Horn.)

Horton, Arthur W., Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,184,743; Dec. 26.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Thermostatic switch. 2,184,699; Dec. 26.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,184,700; Dec. 26.

Horton, Gilbert L., Paynesville, Minn. Boat lifting rack. 2,185,083; Dec. 26.

Houdaille-Hershey Corporation. (See Buchanan, Hugh, assignor.)

Houdaille-Hershey Corporation. (See Ferguson, Arthur P., assignor.)

Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)

Houde Engineering Corporation. (See Peo, R. F., and Magrum, assignors.)

Hovey, Almon G. (See Hodgins, T. S., and Hovey.)

Howard, Frank A., Elizabeth, N. J. Mechanical movement. 2,184,839; Dec. 26.

Howle, Louis W., Nashville, Tenn., assignor to American Telephone and Telegraph Company. Start-stop printing telegraph system. 2,184,916; Dec. 26.

Hoyois, Léon, Gilly, Belgium. Quantitative separation of materials. 2,184,594; Dec. 26.

Huber, J. M., Corporation. (See Price, Howard W., assignor.)

Huber, James W. (See Orlando, D. N., and Huber.)

Hudson, Harry W., Ellwood City, Pa., assignor to National Tube Company. Manufacture of steel or alloy tubes. 2,184,498; Dec. 26.

Huenlich, Charles, Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record shaving machine. 2,184,366; Dec. 26.

Huenlich, Charles, Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record shaving machine. 2,184,367; Dec. 26.

Huenlich, Charles, Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record resurfacing machine. 2,184,368; Dec. 26.

Huenlich, Charles, Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record resurfacing machine. 2,184,369; Dec. 26.

Hughes, Robert H. S., assignor of one-half to M. Roberts, Baltimore, Md. Stabilizing device. 2,184,301; Dec. 26.

Hughes, Robert H. S., Baltimore, Md., assignor of one-half to M. Roberts, Chicago, Ill. Recoil control of firearms. 2,184,595; Dec. 26.

Hull, Thelma L. (See Hull, Willard P. and T. L.)

Hull, Willard P. and T. L., Portland, Oreg. Condiment dispenser. 2,184,302; Dec. 26.

Hurd, Loren C., Glenside, assignor to Röhm & Haas Company, Philadelphia, Pa. Stabilized cuprous oxide. 2,184,617; Dec. 26.

Hurst, Ira N. (See Hansen, Julius W. and W. L., and Hurst.)

Husted, Harry A., St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio., Steering wheel rim and spoke construction. 2,184,800; Dec. 26.

Hutaff, George H., Jr., Wilmington, N. C. License plate holder. 2,185,084; Dec. 26.

Hutaff, George H., Jr., Wilmington, N. C. License plate holder. 2,185,085; Dec. 26.

Hutchinson, Arthur J. L., Palo Alto, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Treating gases. 2,184,596; Dec. 26.

Hutchison, Frank C., Kansas City, Mo., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Welding nozzle. 2,184,499; Dec. 26.

Hydraulic Braking Company. (See Bowen, Herbert C., assignor.)

Hydraulic Coupling Patents Limited. (See Sinclair, H., and Clerk, assignors.)

Hydraulic Press Corp. Inc. (See Ernst, Walter, assignor.)

Hydraulic Press Corporation, The. (See Ernst, Walter, assignor.)

Hygrade Sylvania Corporation. (See Krahl, Walter L., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Beck, A., and Bohner, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Haltmeier, Alfred, assignor.)

I. G. Farbenindustrie Aktiengesellschaft (See Havemann, H., and Smeykal, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Mauthe, G., and Noerr, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Pattock, K., and Wassenegger, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Siedler, P., Kayser, Korte, and Waibel, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, Heinrich, assignor.)

Iglehart, Carroll M., Burtonsville, Md. End gate. 2,184,597; Dec. 26.

Imperial Chemical Industries Limited. (See Baird, W., and Jones, assignors.)

Imperial Chemical Industries Limited. (See Cliffe, Wilfrid H., assignor.)

Imperial Chemical Industries Limited. (See Freer, R. McD., and Morris, assignors.)

Imperial Chemical Industries Limited. (See Glass, John V. S., assignor.)

Industrial Clutch Company. (See Eason, Clarence M., assignor.)

Industrial Rayon Corporation. (See Lovett, Louis E., assignor.)

Interchemical Corporation. (See Wurzburg, Francis L., Jr., assignor.)

International Harvester Company. (See Graham, William S., assignor.)

International Harvester Company. (See Lindgren, A. C., and Gallagher, assignors.)

International Harvester Company. (See Morkoski, James, assignor.)

International Harvester Company. (See Scarlett, Arthur A., assignor.)

International Nickel Company, The. (See Eash, J. T., and Wood, assignors.)

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical scanning apparatus. 2,184,525; Dec. 26.

Jabelmann, Otto, Omaha, Nebr., and R. J. Finch, Schenectady, assignors to American Locomotive Company, New York, N. Y. Cup for containing lubricant. 2,184,925; Dec. 26.

Jack, George, Rochelle Park, assignor to J. M. Lehmann Co., Inc., New York, N. Y. Roller mill. 2,185,150; Dec. 26.

Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Manufacture of plastic sheets. 2,184,672; Dec. 26.

Jacobs, Charles T., New Providence Township, Union County, and L. Z. La Forest, Orange, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record resurfacing machine. 2,184,370; Dec. 26.

Jacobs, Joseph, Bridgeport, assignor to The A. J. Donahue Corporation, Milford, Conn. Ear muff. 2,184,996; Dec. 26.

Jaggars, Thomas L., et al. (See Exline, Marcus P., assignor.)

Jahn, Georg, Arnswalde, Germany. Device for the separation of solids of various particle sizes contained in a fluid, especially in the manufacture of starch. 2,184,598; Dec. 26.

Janke, Albert W., Iowa Falls, assignor to L. C. Perkins, Belmond, Iowa. Display device. 2,185,086; Dec. 26.

Jauss, August C. (See Moore, C. B., and Jauss.)

Jeffrey Manufacturing Company, The. (See Arms, G. L., and McGovern, assignors.)

Jennings, Andrew B., New Brunswick, and E. B. Middleton, Metuchen, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y. Photographic color-forming developer and emulsion. 2,184,303; Dec. 26.

Jenny, Alexander, Berlin-Charlottenburg, N. Budiloff, Berlin-Friedenau, H. Becker, Berlin-Siemensstadt, and K. Anton, Berlin-Charlottenburg, Germany. Photographic reproduction. 2,184,599; Dec. 26.

Jett, Marvin C. (See Bellamy, G. E., and Jett.)

Jewell, Richard G., Lynn, Mass., assignor to General Electric Company. Telemeter transmitter. 2,184,347; Dec. 26.

Jobe, Frederick W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for testing vision. 2,184,507; Dec. 26.

Johansson, Ernest G., Watertown, Mass., and O. K. Coleman, Mineola, N. Y. Apparatus for by-passing socket meters. 2,184,840; Dec. 26.

Johnson, Arthur E. (See Van Stone, C. E., and Johnson.)

Johnson, Henry (Heinie) L., Bloomington, Ill. Radio antenna. 2,184,997; Dec. 26.

Johnson, Julian E., Chicago, Ill. Pneumatic spring system. 2,185,128; Dec. 26.

Jonassen, Jonas, South Ozone Park, N. Y., assignor to Tri State Cap & Cap Machinery Co., Inc., Newark, N. J. Reeling mechanism. 2,184,744; Dec. 26.

Jones, Maldwyn. (See Baird, W., and Jones.)

Jones, Norman G., Bridgeport, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Drying vulcanized fiber sheets. 2,185,087; Dec. 26.

Johnson, Carl E., Pasadena, Calif. Control for variable-diameter pulley. 2,184,673; Dec. 26.

Johnson, Mensal L., Kalamazoo, Mich., and J. J. Rose, Dayton, Ohio. Magneto breaker contact point opening and closing indicator. 2,184,304; Dec. 26.

Johnson, Philip C., and E. C. De Smet, Toledo, assignors, by mesne assignments, to Reconstruction Finance Corporation, Cleveland, Ohio. Combined window weather strip and drain. 2,184,553; Dec. 26.

Johnson, Wilfred G., assignor to The Colson Corporation, Elyria, Ohio. Lift jack. 2,184,455; Dec. 26.

Jordan, William H. (See Reynolds, W. C., and Jordan.)

Jorgensen, Clarence W., assignor to Superior Fastener Corporation, Chicago, Ill. Sash fastener. 2,184,674; Dec. 26.

Jumper, Frank J., Omaha, Nebr., and G. G. Gilpin, Riverside, assignors to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car end structure. 2,185,168; Dec. 26.

Kabushiki-Kaisha Takeda Chobei Shoten. (See Matukawa, T., and Ohta, assignors.)

Kaldnes Mek. Verksted A/S. (See Damsleth, Olaf, assignor.)

Kann, Gustave H., Pittsburgh, Pa., assignor to The Globe Steel Abrasive Company, Mansfield, Ohio. Metal blasting material and producing the same. 2,184,926; Dec. 26.

Katsch, Annemarie, Berlin-Lichterfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric discharge tube. 2,184,841; Dec. 26.

Katzman, Morris B., assignor to The Emulsol Corporation, Chicago, Ill. Sulphonic derivatives. 2,184,770; Dec. 26.

Kaufman, Hiram J., Detroit, Mich. Conditioning air. 2,184,998; Dec. 26.

Kay-Brunner Steel Products Inc. (See Low, John J., assignor.)

Kear, Frank G., Minersville, Pa., and F. L. Marx, Flushing, N. Y., assignors to Washington Institute of Technology, Inc., Washington, D. C. Monitoring system for antenna arrays. 2,185,059; Dec. 26.

Kehm, Clarence H., Chicago, Ill. Radio doll. 2,184,675; Dec. 26.

Kellogg Switchboard and Supply Company. (See Kiner, Glenn, assignor.)

Kemp, William H., Westfield, assignor to Ever Ready Calendar Manufacturing Co., Jersey City, N. J. Pad calendar. 2,185,151; Dec. 26.

Kenyon, Albert G., Wyoming, R. I. Waste grab preventer. 2,184,554; Dec. 26.

Kenyon, William O., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of aliphatic acids. 2,184,555; Dec. 26.

Key, Clarence E., Los Angeles, Calif. Electric razor cleaner and holder. 2,184,645; Dec. 26.

Kidde, Walter, & Company. (See Heigis, Henry E., assignor.)

Kiehne, Alfred J., Derby Line, Vt., assignor to Union Twist Drill Company, Athol, Mass. Automatic drive for dies. 2,184,779; Dec. 26.

Kimball, Donald E., Cleveland, Ohio, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Adjustable head band device. 2,184,425; Dec. 26.

Kimball, Harry G. (See Coster, Frank R., assignor.)

Kiner, Glenn, Park Ridge, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Station selector system. 2,184,387; Dec. 26.

Kingston, Frederick S. (See Conley, Brooks L., assignor.)

Kinneman, William P., Westfield, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Cushion for pile driving. 2,184,745; Dec. 26.

Kinzbach, Frank. (See Osmun, F. N., and Kinzbach.)

Kirch, Josef, Berlin, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany. Intercommunication system. 2,184,842; Dec. 26.

Kichner, Henry P., R. L. Melton, and R. C. Benner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Coating apparatus. 2,184,348; Dec. 26.

Kirk, Miles W. (See Malozemoff, P., MacAfee, and Kirk.)

Klonne, Aug. (See Einbeck, F., and Korbmacher, assignors.)

Knapp, Clarence E., Boston, Mass. Cushion insole. 2,184,456; Dec. 26.

Knight, William M., Turin, Alberta, Canada. Coal stove door. 2,184,813; Dec. 26.

Knowles, Edwin F., Globe, Ariz. Folding table and operating means therefor. 2,184,500; Dec. 26.

Knup, Emil, and F. Naef, assignors to the firm Textilwerk Horn A. G., Horn, Switzerland. Producing waterproof air transmissive fabrics for garments. 2,184,600; Dec. 26.

Kocher, Neil S., and H. B. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing an alkyl phthalyl ethyl glycolate. 2,184,426; Dec. 26.

Kohle-und Elsenforschung G. m. b. H. (See Hartmann, Fritz, assignor.)

König, Hans, Stettin, Germany. Receptacle for the utensils required when playing cards, especially bridge. 2,184,917; Dec. 26.

Konopicky, Kamillo, Krefeld-Lin, Germany. Manufacture of ceramic ware. 2,184,601; Dec. 26.

Korbmacher, Otto. (See Einbeck, F., and Korbmacher.)

Korten, Ernst. (See Schultis, C. T., and Korten.)

Koss, Louis F., Jr., Indianapolis, Ind. Veneer machine. 2,184,862; Dec. 26.

Kowitt, Jerome H., Baltimore, Md., assignor, by mesne assignments, to Standard Supercharger Corporation. Supercharger construction and utilization. 2,184,918; Dec. 26.

Kraft, Arthur A., assignor to W. H. Biggs, St. Louis, Mo., as trustee. Automobile latch. 2,184,388; Dec. 26.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 2,184,927; Dec. 26.

Krahl, Walter L., Swampscott, assignor to Hygrade Sylvania Corporation, Salem, Mass. Manufacturing grid electrodes. 2,185,106; Dec. 26.

Kramar, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Determining position by radio beacons. 2,184,843; Dec. 26.

Kriechbaum, John P., and C. G. Kronmiller, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Damper regulator. 2,184,701; Dec. 26.

Kronmiller, Carl G. (See Kriechbaum, J. P., and Kronmiller.)

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Coating sheet metal can ends. 2,185,088; Dec. 26.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for coating can ends. 2,185,089; Dec. 26.

Kropf, Alfred, Wetzlar, Lahn, Germany. Corrosion-resistant chromium-manganese-iron alloys. 2,184,305; Dec. 26.

Kruesi, Geoffrey G., Dayton, Ohio. Radio direction finder. 2,184,306; Dec. 26.

Kruse, Henry J., St. Charles, Mo. Scaffold. 2,184,457; Dec. 26.

Kuhlenbeck, Albert J., Richmond, and F. L. Manning, Lynn, Ind. Amplifier and tone regulator. 2,184,646; Dec. 26.

Kurlan, Charles, Inc. (See Nathanson, P., and Hoffmann, assignors.)

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,184,746; Dec. 26.

La Bour, Harry E., Elkhart, Ind. Pump. 2,184,349; Dec. 26.

La Chapelle, Euclid I., Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Method and apparatus for repairing shoes. 2,184,458; Dec. 26.

La Forest, Louis Z. (See Jacobs, C. T., and La Forest.)

Lakin, John W., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Electrical coincidental door locking system for an automotive vehicle. 2,184,350; Dec. 26.

Lamb, Roy A. (See Crickmer, C. S., and Lamb.)

Land, Edwin H., Wellesley Farms, and M. Grabau, Cambridge, Mass., assignors, by mesne assignments, to Polaroid Corporation, Dover, Del. Light filter. 2,184,999; Dec. 26.

Land, Edwin H., Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Illumination system for automotive vehicles employing polarized light. 2,185,000; Dec. 26.

Lane, Newton F., Decatur, Ill. Drafting of locomotives. 2,184,647; Dec. 26.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Surveying instrument. 2,184,351; Dec. 26.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Telescope. 2,184,352; Dec. 26.

Lapointe, Alfred, Pointe aux Trembles, Quebec, Canada. Toy. 2,184,459; Dec. 26.

Lappe, Maxwell M. (See Clawson, Philip E., assignor.)

Larson, Louis L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of paper. 2,184,307; Dec. 26.

Lau, Herbert C., Oak Park, assignor to Signode Steel Strapping Company, Chicago, Ill. Package-binder cutter. 2,184,960; Dec. 26.

Laughlin, Kenneth C. (See Sweeney, W. J., and Laughlin.)

Laurer, Carl J., and S. Markell, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,184,427; Dec. 26.
Lauve, Louis L. (See Enkur, E. M., and Lauve.)
Lawlor, Joseph P., Ames, Iowa. Automatic backwash filter control. 2,184,618; Dec. 26.
Lawson, Duward A. (See Evans, W. B., and Lawson.)
Lawson, F. H., Company, The. (See Lumley, Maurice C., assignor.)
Leach, Charles H., Roselle, N. J. Heat exchange apparatus. 2,184,308; Dec. 26.
Leary, Marshall L., Columbus, Ga., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Wall construction. 2,184,353; Dec. 26.
Le Bleu, Charles, Los Angeles, Calif. Trail builder, bulldozer, and the like. 2,184,688; Dec. 26.
Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Meyer, assignors.)
Lecher, Hans Z., Plainfield, and H. P. Orem, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Diazo derivatives of guanidyl sulphonic acids. 2,185,152; Dec. 26.
Lecher, Hans Z., Plainfield, and H. P. Orem, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Stable ice color producing compositions. 2,185,153; Dec. 26.
Lecher, Hans Z., Plainfield, F. H. Adams, Somerville, and H. P. Orem, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Diazo derivatives of guanidyl acids. 2,185,154; Dec. 26.
Lee, William F., Glendale, S. C. Drawing traverse. 2,184,717; Dec. 26.
Lehon Company, The. (See Leonard, Arthur G., Jr., assignor.)
Lehmann, J. M., C. (See Jack, George, assignor.)
Leitz, Ernst, G. m. b. H. (See Becker, H., and Sanger, assignors.)
Leitz, Ernst, G. m. b. H. (See Meinhardt, F., and Fricke, assignors.)
Lemmens, Hendricus J. (See Elenbaas, W., Dorgelo, and Lemmens.)
Leonard, Arthur G., Jr., Wilmington, assignor, by mesne assignments, to The Lehon Company, Chicago, Ill. Shingle making machine. 2,184,619; Dec. 26.
Leukert, Wilhelm, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Arrangement for controlling rectifiers. 2,184,309; Dec. 26.
Léval, Julius, Budapest, Hungary. Flexible link bar. 2,184,747; Dec. 26.
Levine, Samuel J., East Orange, N. J., assignor to General Electric Company. Air conditioning apparatus. 2,184,354; Dec. 26.
Lewallen, Charles A. (See Sherrick, S. T., and Lewallen.)
Lewis, Cyril E., Eastwood, near Sydney, New South Wales, assignor of one-half to Duke Etherington, Sydney, New South Wales, Australia. Alarm mechanism for handbags or the like. 2,185,060; Dec. 26.
Lewis, Walter W., Schenectady, N. Y., assignor to General Electric Company. Protection of alternating current electric systems. 2,185,029; Dec. 26.
Libman, Earl E., and M. A. Edwards, Schenectady, N. Y., assignors to General Electric Company. Telemetric system for angle transmission. 2,184,355; Dec. 26.
Light, Robert F., Mount Vernon, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Vitamin preparation and preparing same. 2,184,748; Dec. 26.
Limbers, Don R., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Machine for drawing window glass. 2,184,873; Dec. 26.
Linde Air Products Company, The. (See Babcock, R. S., and Gaines, assignors.)
Linde Air Products Company, The. (See Rockefeller, H. E., and Rountree, assignors.)
Linder, Ernest G., Philadelphia, assignor to Radio Corporation of America. Microwave electronic amplifier. 2,184,556; Dec. 26.
Linder, George, Pasadena, Calif. Brush holder. 2,184,460; Dec. 26.
Lindgren, Alexus C., Chicago, and A. D. Gallagher, Canton, Ill., assignors to International Harvester Company. Harrow plow. 2,184,428; Dec. 26.
Lindgren, Ferdinand, assignor to Boering Specialty Co., Bridgeport, Conn. Hand press. 2,184,356; Dec. 26.
Little, Elmer H., Needham, assignor to The Gamewell Company, Newton, Mass. Switch. 2,184,780; Dec. 26.
Lloyd, David W., Webster Groves, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake system. 2,184,557; Dec. 26.
Lockwood, Edwin J., Peekskill, N. Y. Tank vehicle construction. 2,185,030; Dec. 26.
Loewe Radio, Inc. (See Schlesinger, Kurt, assignor.)
Loewe Radio, Inc. (See Wolff, Hanns-Heinz, assignor.)
Long, Enno L., Oklahoma City, Okla. Mold. 2,184,959; Dec. 26.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Trap release. 2,184,389; Dec. 26.
Lopez, Guillermo C., New York, N. Y. Drafting apparatus. 2,184,718; Dec. 26.
Lorenz, C., Aktiengesellschaft. (See Hahnemann, W. M., and Wiessner, assignors.)
Lorenz, C., Aktiengesellschaft. (See Helmert, Robert, assignor.)
Lorenz, C., Aktiengesellschaft. (See Katsch, Annemarie, assignor.)
Lorenz, C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)
Lorenz, C., Aktiengesellschaft. (See Uhlmann, Wolfram, assignor.)
Lorenz, C., Aktiengesellschaft. (See Wiessner, Alfred, assignor.)
Loverde, Anthony. (See Babcock, J. H., and Loverde.)
Lovett, Louis E., Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread guide mechanism. 2,184,390; Dec. 26.
Low, John J., Los Angeles, Calif., assignor to Kay-Brunner Steel Products Inc. Hydraulic system and fluid control device therefor. 2,185,015; Dec. 26.
Lowe, William, Ansonia, Conn., assignor to Anaconda Wire and Cable Company, New York, N. Y. Hollow conductor. 2,184,391; Dec. 26.
Lowe, William, Ansonia, Conn., assignor to Anaconda Wire and Cable Company, New York, N. Y. Hollow conductor. 2,184,392; Dec. 26.
Loweke, Aaron A., Detroit, Mich., assignor, by mesne assignments, to Bendix Home Appliances, Inc., South Bend, Ind. Compound cylinder. 2,184,501; Dec. 26.
Lowrey, Vernon, et al. (See French, James D., assignor.)
Luccous, John C., Houston, assignor to H. C. Otis, Dallas, Tex. Paraffin removing device. 2,184,393; Dec. 26.
Lufkin Rule Company, The. (See Witchger, Eugene J., assignor.)
Lumley, Maurice C., Norwood, assignor to The F. H. Lawson Company, Cincinnati, Ohio. Mirror mounting. 2,184,893; Dec. 26.
Luten, Daniel B., Jr., and S. B. Thomas, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Separation of thiophenols from alkyl phenols. 2,184,928; Dec. 26.
Lytle, Lawrence D. (See Crossley, M. L., and Lytle.)
MacAfee, Merrill W. (See Malozemoff, P., MacAfee, and Kirk.)
MacConville, John E., Glenside, N. I. Cockley, Philadelphia, and J. L. Whitten, Pittsburgh, assignors to The Brown Instrument Company, Philadelphia, Pa. Heat treating control. 2,184,975; Dec. 26.
Macdonald, Waldron S., assignor to The Foxboro Company, Foxboro, Mass. Measuring and recording instrument. 2,184,620; Dec. 26.
Mackin, James F., Chicago, Ill. Hatch cover. 2,184,676; Dec. 26.
MacLaren, Frederick H., Calumet City, Ill., and E. W. Adams, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Wax composition. 2,185,031; Dec. 26.
MacMullen, Clinton W. (See Bruson, H. A., and MacMullen.)
Macwhyte Company. (See Ost, E. W., and Sawyer, assignors.)
Magnetic Pigment Company. (See Fireman, Peter, assignor.)
Magrum, Gervase M. (See Peo, R. F., and Magrum.)
Mahnke, Kurt. (See Schaelchlin, W., and Mahnke.)
Major, Charles W., assignor to E. M. Major, Ocean Grove, N. J., and E. Bogart, Valatie, N. Y. Rotary file. 2,184,508; Dec. 26.
Major, Eugenia M., et al. (See Major, Charles W., assignor.)
Mall, Arthur W., Chicago, Ill. Chain saw construction. 2,184,461; Dec. 26.
Mallory, Marion, Detroit, Mich. Internal combustion engine. 2,184,357; Dec. 26.
Malozemoff, Plato, and M. W. MacAfee, Oakland, and M. W. Kirk, Berkeley, Calif., assignors, to Pacific Coast Borax Company. Recovering sodium tetraborate from borate ores. 2,184,558; Dec. 26.
Mannie, Moe, and I. Frank, New York, N. Y. Finger ring. 2,184,749; Dec. 26.
Manning, Forrest L. (See Kuhlenbeck, A. J., and Manning.)
Manning, Maxwell & Moore, Incorporated. (See Walch, Frederick W., assignor.)
Mantelet & Boucher (Societe en nom collectif). (See Mantelet, Jean, assignor.)
Mantelet, Jean, Bagnolet, assignor to Mantelet & Boucher (Societe en nom collectif), Bagnolet (Seine), France. Mill for grinding pepper, salt, sugar, coffee, and the like. 2,184,719; Dec. 26.
Mariutto, Louis D., Schenectady, N. Y. Tile cutting machine. 2,184,894; Dec. 26.
Markell, Stanley. (See Laurer, C. J., and Markell.)
Marmaduke, Richard C., assignor to S. Marmaduke, Kansas City, Mo. Treated fuels and treating the same. 2,184,621; Dec. 26.
Marmaduke, Sherman. (See Marmaduke, Richard C., assignor.)
Maroto, Jorge, Oak Park, Ill. Transmission. 2,184,941; Dec. 26.
Marsh, Myrle O., Fort Wayne, Ind., assignor to General Electric Company. Electrical apparatus casing. 2,185,032; Dec. 26.
Martin, Archibald, Union City, N. J., assignor to The Dentists' Supply Company of New York, New York, N. Y. Artificial tooth holder. 2,184,977; Dec. 26.

Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Tubular coupling for suction cleaners and the like. 2,184,881; Dec. 26.
Marx, Frank L. (See Kear, F. G., and Marx.)
Maschinenfabrik Augsburg-Nurnberg A. G. (See Pielstick, Gustav, assignor.)
Mason, John M., et al. (See French, James D., assignor.)
Massey-Harris Company. (See Ego, George R., assignor.)
Mather Spring Company, The. (See Figgie, H. E., and Hendrickson, assignors.)
Matter, Max. (See Graenacher, C., and Matter.)
Matukawa, Taizo, Kyoto, and M. Ohta, Osaka, assignors to Kabushiki-Kaisha Takeda Chobei Shoten, Higashi-ku, Osaka, Japan. Preparation of vitabin B_1 and its analogous substances. 2,184,720; Dec. 26.
Maus, Karl, Berlin, Germany. Dehydrating comminuted potatoes and root crops. 2,185,129; Dec. 26.
Mauthe, Gustav, and H. Noerr, Opladen, near Cologne, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of tanning agents. 2,184,622; Dec. 26.
Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)
McCabe, Douglas, et al. (See Dils, Logan A., assignor.)
McCarthy, Joseph P., assignor to Modern Equipment Corporation, Defiance, Ohio. Lift structure. 2,184,801; Dec. 26.
McClintic, Robert H. (See Carlson, George W., assignor.)
McDonald, Carol, New York, N. Y. Bracelet. 2,184,942; Dec. 26.
McFall, Thurlow E., assignor to Michigan Arteraft Company, Sparta, Mich. Table. 2,184,976; Dec. 26.
McGovern, Francis E. (See Arms, G. L., and McGovern.)
McGowan, Kenneth J. J. (See Bone, H. L., and McGowan.)
McIlvanie, Wallace G., Yakima, Wash. Scintillating sign. 2,184,721; Dec. 26.
McKay, Patience M., Oakland, Calif. Table. 2,184,677; Dec. 26.
McKinney Manufacturing Company. (See Woernle, Harry E., assignor.)
McLoughlin, George E., Philadelphia, Pa. Toilet appliance. 2,184,722; Dec. 26.
Meeker, David A., and R. C. Geiger, assignors to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,185,155; Dec. 26.
Meeker, David A., and R. C. Geiger, assignors to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,185,156; Dec. 26.
Meigs, Frederick M., and C. Dangelmajer, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic and printing media. 2,184,310; Dec. 26.
Meigs, Frederick M., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic and printing media. 2,184,311; Dec. 26.
Meinhardt, Fritz, and H. Fricke, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Comparison microscope. 2,184,750; Dec. 26.
Melcher, Lee W., Oconomowoc, assignor to Waukesha Motor Company, Waukesha, Wis. Refrigerating apparatus. 2,185,033; Dec. 26.
Melcher, Lee W., Oconomowoc, assignor to Waukesha Motor Company, Waukesha, Wis. Refrigerating apparatus. 2,185,034; Dec. 26.
Melcher, Lee W., Oconomowoc, assignor to Waukesha Motor Company, Waukesha, Wis. Evaporative condenser. 2,185,035; Dec. 26.
Mellor, Albert, G. Bingham, and W. Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile and other materials. 2,184,559; Dec. 26.
Melton, Romie L. (See Kirchner, H. P., Melton, and Benner.)
Menge, Clarence H., Detroit, Mich., assignor to The Murray Corporation of America. Seat. 2,185,036; Dec. 26.
Merla Tool Company. (See Crickmer, C. S., and Glitsch, assignors.)
Merla Tool Company. (See Crickmer, C. S., and Lamb, assignors.)
Merriam, Henry F. (See Fowler, T. Y., and Merriam.)
Merrill, Warner J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of paper. 2,184,312; Dec. 26.
Metal Hydrides, Inc. (See Alexander, Peter P., assignor.)
Metallurgical Development Company Limited. (See Head, Casimir J., assignor.)
Metcalf, Frank R., assignor to Columbian Rope Company, Auburn, N. Y. Wire rope center. 2,184,502; Dec. 26.
Meuly, Walter C., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Perfume compositions and making the same. 2,184,526; Dec. 26.
Meyer, Frank W., East St. Louis, Ill. Radiator guard for motor vehicles. 2,184,882; Dec. 26.
Meyer, Walter R. (See Groene, W. F., and Meyer.)
Meyers, Leo L., San Leandro, assignor to Ralph N. Brodie Company, Oakland, Calif. Selective valve manifold for tank trucks. 2,185,061; Dec. 26.
Michigan Arteraft Company. (See McFall, Thurlow E., assignor.)
Micro-Westco, Inc. (See Peiserich, F. P., and Bledenberg, assignors.)
Middleton, Edmund B. (See Jennings, A. B., and Middleton.)
Midwest Car Company. (See Varga, Louis, assignor.)
Milavec, Frank, Cleveland, Ohio. Explosive projectile. 2,184,802; Dec. 26.
Millen, Lincoln H., Modesto, Calif. Peach pitting machine. 2,185,090; Dec. 26.
Miller Falls Company. (See Moretti, Whitfield, assignor.)
Miller, Gottfried C., Buffalo, N. Y. Drilling apparatus. 2,184,919; Dec. 26.
Miller, Roscoe C., Syracuse, N. Y. Striper. 2,184,602; Dec. 26.
Milliken, Foster, New York, N. Y. Bulkhead, sea wall, and similar structures. 2,184,462; Dec. 26.
Minneapolis-Honeywell Regulator Company. (See Evleth, Everett B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Kriechbaum, J. P., and Kronmiller, assignors.)
Minneapolis-Honeywell Regulator Company. (See Spangenberg, Charles B., assignor.)
Mitchell, Courtney N., Strongsville, Ohio. Fluid meter and cycle of operation of same. 2,184,895; Dec. 26.
Mix & Genest Aktiengesellschaft. (See Kirch, Josef, assignor.)
Modern Equipment Corporation. (See McCarthy, Joseph P., assignor.)
Monarch Machine Tool Company. (See Bickel, Clifford A., assignor.)
Monarch Machine Tool Co., The. (See Bickel, Clifford A., assignor.)
Moore, Coleman B., Carroll Park, and W. G. Trumbower, assignors to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,184,429; Dec. 26.
Moore, Coleman B., Carroll Park, and A. C. Jauss, Aldan, assignors to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,184,430; Dec. 26.
Moore, Francis, assignor to Albert Specialty Company, Chicago, Ill. Adjusting means. 2,184,358; Dec. 26.
Moore Push-Pin Co. (See Hooks, Herbert C., assignor.)
Moran, Don E. (See Grupe, H. L., Robertson, and Moran.)
Moretti, Whitfield, Millers Falls, assignor to Millers Falls Company, Greenfield, Mass. Clutch mechanism. 2,184,394; Dec. 26.
Morgan Construction Company. (See Morgan, Myles, assignor.)
Morgan, John E. H., and V. J. F. Donnelly, London, England. Case or container for cigarettes and like articles. 2,184,803; Dec. 26.
Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Retention of bearings in roll housings and the like. 2,184,463; Dec. 26.
Morkoski, James, Canton, Ill., assignor to International Harvester Company. Regulating mechanism. 2,184,431; Dec. 26.
Morrill, Wayne J., and E. J. Schaefer, Fort Wayne, Ind., assignors to General Electric Company. Apparatus for starting electric motors. 2,185,130; Dec. 26.
Morris, George. (See Freer, R. M., and Morris.)
Morse, Robert V., Ithaca, N. Y. Power transmission. 2,184,395; Dec. 26.
Moss, Herbert H., Brooklyn, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method of and apparatus for forming shaped edge on metal members. 2,184,560; Dec. 26.
Most, Lucifer J., Hudson County, N. J. Mechanical pencil. 2,184,527; Dec. 26.
Most, Lucifer J., Hudson County, N. J. Mechanical pencil. 2,184,528; Dec. 26.
Most, Lucifer J., Hudson County, N. J. Mechanical pencil. 2,184,529; Dec. 26.
Most, Lucifer J., Hudson County, N. J. Mechanical pencil. 2,184,863; Dec. 26.
Most, Lucifer J., Hudson County, N. J. Mechanical pencil. 2,184,864; Dec. 26.
Mudge, Everett, Detroit, Mich. Cushion construction. 2,184,396; Dec. 26.
Mueller, Adolf G., Stratford, Conn., assignor to General Electric Company. Combined switch and plug receptacle. 2,184,359; Dec. 26.
Mueller, Hans, Heidenheim-on-the-Brenz, and E. Schneider, Vienna, Germany, assignors to Voith-Schneider Propeller Company, New York, N. Y. Guide device for blade propellers. 2,184,865; Dec. 26.
Mueller, Ervin H., Grosse Pointe Park, Mich. Gas cock. 2,184,678; Dec. 26.
Muir, James A. (See Austin, H. M., and Muir, assignors.)
Mulder, Johannes G. W. (See Bruijnes, J., Duinker, and Mulder.)
Murray Corporation of America, The. (See Avery, Clarence W., assignor.)
Murray Corporation of America, The. (See Menge, Clarence H., assignor.)
Murray Corporation of America, The. (See Northup, Amos E., assignor.)
Muskat, Irving E., Akron, and A. G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Alleghany County, Pa. Composition of matter and making same. 2,184,883; Dec. 26.

Muskat, Irving E., and R. H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treatment of titanium ores. 2,184,884; Dec. 26.

Muskat, Irving E., and R. H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treatment of titanium ores. 2,184,885; Dec. 26.

Muskat, Irving E., Akron, and A. G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Organic composition of high chlorine content. 2,184,886; Dec. 26.

Muskat, Irving E., and R. H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Chlorination of titanium bearing materials. 2,184,887; Dec. 26.

Muskat, Irving E., Akron, and A. G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Halogenated material and producing same. 2,184,888; Dec. 26.

Myers, Med, Houston, Tex. Wall slab. 2,184,464; Dec. 26.

Myrick, George H., Rochester, Minn. Inhalator. 2,184,679; Dec. 26.

N. V. Philips' Gloeilampenfabrieken. (See Bruijnes, J., Duinker, and Mulder, assignors.)

Naef, Franz. (See Knup, E., and Naef.)

Nagamatsu, Ikugoro, Las Vegas, Nev. Chain fastener. 2,184,814; Dec. 26.

Nathanson, Philip, and G. F. Hofmann, Brooklyn, assignors to Charles Kurlan, Inc., New York, N. Y. Elastic fabric. 2,184,751; Dec. 26.

National Lead Company. (See Cole, Sandford S., assignor.)

National Products Corporation. (See Pierson, Willett C., assignor.)

National Tube Company. (See Cook, Howard D., assignor.)

National Tube Company. (See Hudson, Harry W., assignor.)

National Tube Company. (See Raab, F. C., and Wright, assignors.)

Nelson, John G., Salt Lake City, Utah. Apparatus for dispensing carbonated water. 2,184,397; Dec. 26.

Nelson, Rudolph S., Larchmont, N. Y., assignor to The Hoover Company, North Canton, Ohio. Heat exchanger. 2,185,001; Dec. 26.

New Jersey Machine Corporation. (See von Hofe, George W., assignor.)

New York Blower Company, The. (See Scanlan, Chester J., assignor.)

Newsom, James B., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,184,844; Dec. 26.

Nichols, Lewis P., Cleveland, Ohio. Visor attachment. 2,184,360; Dec. 26.

Nilsson, John E. (See Frech, C., and Nilsson.)

Noack, Walter G., Baden, Switzerland. Pulverizing, combustion, and heat transfer plant. 2,184,845; Dec. 26.

Noble, Wiley B., assignor to Reed Roller Bit Company, Houston, Tex. Core drilling apparatus. 2,184,361; Dec. 26.

Noerr, Hermann. (See Mauthe, G., and Noerr.)

North American Holding Corporation, et al. (See Eaton, Charles F., assignor.)

North American Holding Corporation, et al. (See Randall, Arthur F., assignor.)

Northup, Amos E., deceased, by L. H. Northup, Pleasant Ridge, Mich., administratrix, assignor to The Murray Corporation of America. Vehicle body construction. 2,184,804; Dec. 26.

Northup, Leeta H., administratrix. (See Northup, Amos E.)

Nunn, Joseph R., Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread controlling device for sewing machines. 2,184,929; Dec. 26.

Nygaard, Edwin M., and G. S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Diesel fuel. 2,185,157; Dec. 26.

Nyquist, Harry, Millburn, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Carrier current telegraphy. 2,184,978; Dec. 26.

O'Brien, John F., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Transfer mechanism. 2,184,752; Dec. 26.

O-Cedar Corp'n. (See Brell, Jules J., assignor.)

Ocon, Cecilio L., Yonkers, N. Y. Furnace for heat treating carbonaceous material. 2,184,465; Dec. 26.

Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Coated abrasive. 2,184,896; Dec. 26.

Ohio Chemical and Manufacturing Company, The. (See Sholes, Justin G., assignor.)

Ohio Chemical & Manufacturing Company, The. (See Sholes, J. G., and Glekler, assignors.)

Ohio Chemical and Manufacturing Company, The. (See Sholes, J. G., and Smith, assignors.)

Ohta, Masaki. (See Matukawa, T., and Ohta.)

Oliver United Filters Incorporated. (See Genter, Theodore L., assignor.)

Olsen, Lester S., assignor to The Olsen Publishing Company, Milwaukee, Wis. Bottle display collar. 2,184,846; Dec. 26.

Olsen Publishing Company, The. (See Olsen, Lester S., assignor.)

Olson, Holly M., assignor to Scaled Power Corporation, Muskegon, Mich. Apparatus for treating pistons. 2,184,680; Dec. 26.

Orem, Henry P. (See Lecher, H. Z., and Orem.)

Orem, Henry P. (See Lecher, H. Z., Adams, and Orem.)

Orlando, Dominick N., and J. W. Huber, Erie, Pa. Toy archer. 2,185,091; Dec. 26.

Osmun, Fred N., and F. Kinzbach, Houston, assignors to G. W. Bowen, Harris County, Tex. Grapple. 2,184,681; Dec. 26.

Ost, Evan W., and H. E. Sawyer, assignors to Macwhyte Company, Kenosha, Wis. Thimble. 2,184,466; Dec. 26.

Othmer, Donald F., Brooklyn, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City N. J. Concentrating acetic acid. 2,184,563; Dec. 26.

Otis, Herbert C. (See Luccous, John C., assignor.)

Owens-Corning Fiberglas Corporation. (See Collins, Howard W., assignor.)

Owens-Corning Fiberglas Corporation. (See Plummer, Jesse H., assignor.)

Owens-Corning Fiberglas Corporation. (See Shand, Errol B., assignor.)

Owens-Corning Fiberglas Corporation. (See Simpson, Donald C., assignor.)

Owens-Corning Fiberglas Corporation. (See Thomas, John H., assignor.)

Owen, John E., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Seismic surveying. 2,184,313; Dec. 26.

Oxley, Horace F., E. B. Thomas, and J. Downing, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of cellulose derivatives. 2,184,564; Dec. 26.

Oxweld Acetylene Company. (See Wall, M. J., and Scott, assignors.)

Pacific Coast Borax Company. (See Malozemoff, P., MacAfee, and Kirk, assignors.)

Pack, Earle A., Caldwell, Idaho. Dual reversible right and left hand wrench. 2,185,002; Dec. 26.

Pagenkemper, Arthur H., Glenolden, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,184,648; Dec. 26.

Palmer, Herbert R., Cleveland, Ohio. Rotary pump. 2,184,753; Dec. 26.

Palumbo, Donato, assignor to American Automatic Garage Door, Inc., Pueblo, Colo. Automatic garage door operator. 2,184,649; Dec. 26.

Pantex Pressing Machine, Inc. (See Beede, Robert J., assignor.)

Parke, Davis & Company. (See Beutner, Reinhard, assignor.)

Parker, Arthur H. (See Sebell, Harry, assignor.)

Parks-Cramer Company. (See Hodge, William B., assignor.)

Parks, Edward F., Providence, assignor to Universal Winding Company, Cranston, R. I. Traversing roll for winding and like machines. 2,184,723; Dec. 26.

Parrish, Carl C., assignor to Porter Steel Specialties, Shelbyville, Ind. Carpet sweeper. 2,184,623; Dec. 26.

Parshad Holding Corporation, et al. (See Eaton, Charles F., assignor.)

Parshad Holding Corporation, et al. (See Randall, Arthur F., assignor.)

Paterson Pacific Parchment Company. (See Dodge, Wesley, assignor.)

Patterson, Chester J., Lancaster, Pa. Tandem axle for trucks. 2,185,062; Dec. 26.

Pattock, Karl, Wolfen, Kreis Bitterfield, and H. Wassenegger, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Treatment of ammoniacal solutions of metal salts for recovering their constituents. 2,184,943; Dec. 26.

Pawsey, Joseph L. (See Cork, E. C., and Pawsey.)

Pearson, Eric G., Roselle, N. J. Fountain pen. 2,184,432; Dec. 26.

Pearson, Gerald L., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor and making it. 2,184,847; Dec. 26.

Peebles, David D., Eureka, Calif., assignor, by mesne assignments, to Golden State Company, Ltd. Desiccating method. 2,184,314; Dec. 26.

Peiserich, Frederick P., Bettendorf, and C. F. Bielenberg, Davenport, assignors to Micro-Westco, Inc., Bettendorf, Iowa. Refrigeration control. 2,185,107; Dec. 26.

Peloquin, Edward, Elizabeth City, N. C., assignor to Scott & Williams, Incorporated, New York, N. Y. Clamp and cutter means for reinforcing yarns. 2,184,503; Dec. 26.

Pelouch, James J. (See Schultz, P. L., and Pelouch.)

Penney, Harold D., Pelham, and W. Weis, Mount Vernon, N. Y. Luminescent tube. 2,184,530; Dec. 26.

Pennock, Edward McM. (See Hale, L., Pennock, and Price.)

Pennsylvania Sugar Company. (See Gustave T., assignor.)

Penweld Corporation. (See Watson, Glenn W., assignor.)

Penweld Corporation. (See Watson, G. W., and Brannas, assignors.)

Peo, Ralph F., and G. M. Magrum, assignors to Houde Engineering Corporation, Buffalo, N. Y. Link assembly. 2,184,398; Dec. 26.

People of the United States of America, Dedicted to the free use of the. (See Stone, William E., assignor.)

Perfect Brassiere Company. (See Rubinstein, Abraham, assignor.)

Perkins, L. C. (See Janke, Albert W., assignor.)

Pesce, Joseph S., Haddonfield, N. J., assignor to Radio Corporation of America. Sound picture apparatus. 2,184,565; Dec. 26.

Peters, Melville F., Beltsville, Md., and G. F. Blackburn, Washington, D. C. Ignition system for internal combustion engines. 2,184,315; Dec. 26.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Measuring short wave noise levels. 2,184,754; Dec. 26.

Petrolite Corporation, Ltd. (See De Groote, Melvin, assignor.)

Pflander Co., The. (See Goecke, Rudolph E., assignor.)

Pflasterer, George R., Greenville, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track switch controlling apparatus. 2,184,566; Dec. 26.

Phillips, Alfred N., Jr., Stamford, Conn. Pump. 2,184,897; Dec. 26.

Phillips Petroleum Company. (See Frey, F. E., and Snow, assignors.)

Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Train describer system. 2,184,702; Dec. 26.

Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nurnburg A. G., Augsburg, Germany. Damping device. 2,184,504; Dec. 26.

Pierson, Willett C., East Orange, N. J., assignor to National Products Corporation, Washington, D. C. Vegetable tanned leather plastic. 2,184,467; Dec. 26.

Pittsburgh Plate Glass Company. (See Limbers, Don R., assignor.)

Pittsburgh Plate Glass Company. (See Muskat, I. E., and Chenicek, assignors.)

Pittsburgh Plate Glass Company. (See Muskat, I. E., and Taylor, assignors.)

Pittsburgh Plate Glass Company. (See Sherts, James H., assignor.)

Pitzner, Alwin F. (See Grindle, Aubrey J., assignor.)

Plack, Ferdinand T., Harrisburg, Pa. Soap cake holder and drainer. 2,184,805; Dec. 26.

Platt, Benjamin and P., Chicago, Ill. Bag frame jaw for luggage carriers. 2,184,848; Dec. 26.

Platt, Paul. (See Platt, Benjamin and P.)

Plummer, Jesse H., Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Mineral fiber binder. 2,184,316; Dec. 26.

Pneumatic Truck Body Corporation. (See Gregoric, Brand F., assignor.)

Podel, Abraham, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Nonrefillable bottle and parts thereof. 2,184,468; Dec. 26.

Polaroid Corporation. (See Land, Edwin H., assignor.)

Polaroid Corporation. (See Land, E. H., and Graham, assignors.)

Pool, William. (See Mellor, A. Bingham, and Pool.)

Porter Steel Specialties. (See Parrish, Carl C., assignor.)

Porter Steel Specialties. (See Youart, Charles M., assignor.)

Portmann, August, assignor to the firm Schweizerische Lokomotiv-und Maschinenfabrik, Winterthur, Switzerland. Scavenging the cylinders of double-bore cylinder combustion engines. 2,184,603; Dec. 26.

Poston, Emmett V., Springfield, Ill. Paving brick. 2,184,469; Dec. 26.

Powell, Lyman S., Chicago, Ill. Draft control and regulating device. 2,184,399; Dec. 26.

Powers, James H., Fort Wayne, Ind., assignor to General Electric Company. Waste disposal apparatus. 2,185,037; Dec. 26.

Pratt, Theodore, Glen Cove, N. Y. Electrical liquid level indicating device. 2,184,755; Dec. 26.

Price, Earl E. (See Hale, L., Pennock, and Price.)

Price, Howard W., assignor to J. M. Huber Corporation, Borger, Tex. Apparatus for agitating finely divided powders. 2,185,158; Dec. 26.

Price, Mary T., special administratrix. (See Hale, L., Pennock, and Price.)

Priest, John H., Electra, assignor to A. E. Rapp, Wichita County, Tex. Safety hook. 2,185,092; Dec. 26.

Primavera, Vincent A. R., Brooklyn, N. Y. Nesting chairs. 2,184,470; Dec. 26.

Pugh, Samuel T., Radford, assignor of fifty per cent to W. T. Burnette, Altavista, Va. Loom. 2,185,063; Dec. 26.

Purvis, Judson A., Chicago, Ill. Balanced wheel assembly. 2,185,017; Dec. 26.

Pyro Products Corporation. (See Hinsky, Anthony P., assignor.)

Pyzel, Ewald D. (See Ruys, J. D., and Pyzel.)

R K O Studios, Inc. (See Aalberg, John O., assignor.)

Raab, Fred C., and E. C. Wright, Beaver, Pa., assignors to National Tube Company. Manufacture of steel or alloy tubes. 2,184,624; Dec. 26.

Radio Corporation of America. (See Belar, Herbert, assignor.)

Radio Corporation of America. (See Collins, Milford E., assignor.)

Radio Corporation of America. (See Dimmick, Glenn L., assignor.)

Radio Corporation of America. (See George, Douglas F., assignor.)

Radio Corporation of America. (See Goddard, De Witt R., assignor.)

Radio Corporation of America. (See Green, Norval H., assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Linder, Ernest G., assignor.)

Radio Corporation of America. (See Pesce, Joseph S., assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)

Radio Corporation of America. (See Reinartz, John L., assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Vance, Arthur W., assignor.)

Radtke, Bruno, assignor to The Exhibit Supply Company, Chicago, Ill. Game apparatus. 2,184,866; Dec. 26.

Randall, Arthur F., Boston, Mass., assignor of one-half to North American Holding Corporation, and one-half to Parshad Holding Corporation, Syracuse, N. Y. Die. 2,185,094; Dec. 26.

Rapp, A. E. (See Priest, John H., assignor.)

Ratigan, James P., Los Angeles, Calif. Rod line weight. 2,184,874; Dec. 26.

Ray, William W., Albuquerque, N. Mex. Presser foot. 2,184,604; Dec. 26.

Raymond Concrete Pile Company. (See Kinneman, William P.)

Rea, Wilton T., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,184,979; Dec. 26.

Reconstruction Finance Corporation. (See Johnson, P. C., and De Smet, assignors.)

Reed, Robert M., Hinsdale, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,184,433; Dec. 26.

Reed Roller Bit Company. (See Harrington, George G., assignor.)

Reed Roller Bit Company. (See Noble, Wiley B., assignor.)

Rees, Douglas P. (See Straatman, A. G. H., and Rees.)

Reich, Gustave T., assignor to Pennsylvania Sugar Company, Philadelphia, Pa. Manufacture of jellies and the like. 2,185,064; Dec. 26.

Reichhold Chemicals, Inc. (See Hodgins, T. S., and Hovey, assignors.)

Reinartz, John L., Manchester, Conn., assignor to Radio Corporation of America. Frequency multiplier. 2,184,945; Dec. 26.

Reinhardt, Otto K., New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company. Flashlight construction. 2,184,531; Dec. 26.

Remington Arms Company. (See Loomis, Crawford C., assignor.)

Remington Rand Inc. (See Heybourne, Victor C., assignor.)

Remington Rand Inc. (See Seagrave, Louis K., assignor.)

Rentschler, M. J., et al., trustee. (See Colton, Henry S., assignor.)

Research Corporation. (See Scott, L. N., and Coey, assignors.)

Research Corporation. (See Stein, Gustav A.)

Reynolds, Robert J., Trotwood, Ohio. Camera cable release. 2,184,815; Dec. 26.

Reynolds, Walter C., Gering, Nebr., and W. H. Jordan, Denver, Colo. Rubber basket. 2,185,093; Dec. 26.

Robert, Albert A. (See Brooks, H. D., and Roberts.)

Roberts, Claude M., Kinsley, Kans. Flood operated signal device. 2,184,605; Dec. 26.

Roberts, Milton. (See Hughes, Robert H. S., assignor.)

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Wave transmission circuits. 2,184,400; Dec. 26.

Robertson, James A. (See Grupe, H. L., Robertson, and Moran.)

Rockefeller, Harry E., Rye, N. Y., and J. H. Rountree, Elizabeth, N. J., assignors to The Linde Air Products Company. Flame-cutting metal. 2,184,562; Dec. 26.

Rockwood, George H., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,184,756; Dec. 26.

Roblin, Karl W., Merchantville, assignor to Warren Webster & Company, Camden, N. J. Heat controlling system. 2,184,849; Dec. 26.

Röhm & Haas Company. (See Bruson, H. A., and MacMullen, assignors.)

Röhm & Haas Company. (See Bruson, H. A., and Washburne, assignors.)

Röhm & Haas Company. (See Hurd, Loren C., assignor.)

Romanoff, Hippolyte W., assignor to A. Schwartz, New York, N. Y. Toilet seat. 2,185,169; Dec. 26.

Roosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna coupling means. 2,184,771; Dec. 26.

Ropp, Chester A., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Step-by-step mechanism. 2,184,946; Dec. 26.

Rose, John J. (See Johnson, M. L., and Rose.)

Roseman, Leo, Newark, N. J. Locking separable fastener. 2,184,650; Dec. 26.

Rosen, Raphael. (See Gilliland, E. R., and Rosen.)

Rosen, Raphael. (See Gleason, A. H., and Rosen.)
Ross, Oscar A., New York, N. Y. Optical apparatus. 2,184,816; Dec. 26.
Roth, Paul C., assignor to Boiler Room Equipment, Inc., New York, N. Y. Oil burner nozzle. 2,184,471; Dec. 26.
Rountree, John H. (See Rockefeller, H. E., and Rountree.)
Rowell, Ralph M., Lynn, Mass., assignor to General Electric Company. Recording instrument. 2,185,038; Dec. 26.
Rubinstein, Abraham, Brooklyn, N. Y., assignor to Perfect Brassiere Company, Inc., Jersey City, N. J. Brassière. 2,185,159; Dec. 26.
Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine & Foundry Company. Cigarette tobacco preparation. 2,184,567; Dec. 26.
Ruska, Ernst. (See Günzel, E., and Ruska.)
Ruys, Jan D., and E. D. Pyzel, Pittsburg, assignors to Shell Development Company, San Francisco, Calif. Vapor phase hydrogenation of olefin polymers. 2,184,930; Dec. 26.
Ruzicka, Stevan, Beograd, Yugoslavia. Wood coke and making same. 2,184,317; Dec. 26.
Ruzicka, Stevan, New York, N. Y. Simultaneous production of alumina cement and pig iron in blast furnaces. 2,184,318; Dec. 26.
Ryan, Arthur P., and J. Skwarski, Jackson Heights, N. Y. Hook clasp. 2,184,434; Dec. 26.
Ryan, James S., Woburn, Mass. Electric hair clipper. 2,184,781; Dec. 26.
Safety Fastener Co. (See Wagner, Chester I., assignor.)
Samotey, John, Brooklyn, N. Y. Shaving device. 2,184,757; Dec. 26.
Sand, John, Marcus, Iowa. Ear corn test probe. 2,184,472; Dec. 26.
Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bumper guard structure. 2,184,651; Dec. 26.
Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile steering and lock assembly. 2,184,652; Dec. 26.
Sanger, Otto. (See Becker, H., and Sanger.)
Santini, Danilo. (See Williams, H. W., and Santini.)
Sargent's, C. G., Sons Corporation. (See Hall, Isaac L., assignor.)
Saucier, Ewart E., El Paso, Tex. Keyless ignition switch. 2,185,066; Dec. 26.
Sauer, Hans, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Polarizing structure. 2,185,018; Dec. 26.
Sauerman, Ernest C., Chicago, Ill. Producing preaddressed envelopes. 2,184,362; Dec. 26.
Savitz, Christian W., Los Angeles, Calif. Pressure recorder. 2,184,689; Dec. 26.
Sawyer, Herbert E. (See Ost, E. W., and Sawyer.)
Saxe, Walter E., Alhambra, Calif. Walking beam bearing. 2,184,435; Dec. 26.
Saxe, Walter E., Alhambra, Calif. Walking-beam and counterbalance construction. 2,184,436; Dec. 26.
Saxe, Walter E., Alhambra, Calif. Counterbalancing system for oil wells. 2,184,437; Dec. 26.
Scaled Power Corporation. (See Olson, Holly M., assignor.)
Scanlan, Chester J., Bloomington, assignor to The New York Blower Company, Chicago, Ill. Drier. 2,184,473; Dec. 26.
Scarlett, Arthur A., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Plow. 2,184,438; Dec. 26.
Schaefer, Edward J. (See Morrill, W. J., and Schaefer.)
Schaechlin, Walter, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburg, Pa. Electric switch. 2,184,767. Dec. 26.
Schaechlin, Walter, and K. Mahnke, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hoisting control system. 2,184,768; Dec. 26.
Schaerer, Otto, Basel, Switzerland. Turret lathe. 2,184,475; Dec. 26.
Scheel, John R., Chicago, Ill. Controlling gas and oil burners. 2,184,947; Dec. 26.
Schering Corporation. See Hildebrandt, Friedrich, assignor.)
Schering Corporation. (See Schwenk, E., Hildebrandt, and Gehrke, assignors.)
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,184,875; Dec. 26.
Schlageter, August, N. D. de Gravenchon, Seine Inferieure, France, assignor to Standard Franco-Americaine de Raffinage. Solvent extraction of lubricating oils. 2,184,961. Dec. 26.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Impulse generator. 2,185,131; Dec. 26.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Cathode ray tube. 2,185,132; Dec. 26.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Control grid arrangement in cathode ray tubes. 2,185,133; Dec. 26.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Cathode ray tube apparatus. 2,185,134; Dec. 26.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Electronic tube. 2,185,135; Dec. 26.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Electrical synchronization generator. 2,185,136; Dec. 26.
Schloss, Morris, New York, N. Y. Mechanical tooth brush. 2,184,850; Dec. 26.
Schmaltz, Robert F., Muskegon Heights, Mich. Fishing tackle. 2,185,065; Dec. 26.
Schneider, Ernst. (See Mueller, H., and Schneider.)
Schneider, Newton H., Salinas, Calif. Lettuce trimmer. 2,184,889; Dec. 26.
Schoeninger, Adolf O., Irvington, N. J., assignor to Forstner Chain Corporation. Bracelet construction. 2,184,319; Dec. 26.
Schroeder, Ernest R., Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Adjustable pivot member for swinging doors. 2,184,532; Dec. 26.
Scholz, Frank, Cambridge, Mass. X-ray apparatus. 2,184,962; Dec. 26.
Schultis, Carl T., Bergen, near Frankfort-on-the-Main, and E. Korten, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs. 2,184,948; Dec. 26.
Schultz, Paul L., and J. J. Pelouch, Cleveland, Ohio, assignors to the United States Air Compressor Company. Housing for flexible members. 2,184,363; Dec. 26.
Schwarcz, Leonard B., New Rochelle, N. Y. Dispensing valve. 2,184,439; Dec. 26.
Schwartz, Al. (See Romanoff, Hippolyte, W., assignor.)
Schwartz, Sol, assignor to Barrel Fitting & Seal Corporation, Chicago, Ill. Forming a bushing ring. 2,184,949; Dec. 26.
Schweizerische Lokomotiv-und Maschinenfabrik. (See Portmann, August, assignor.)
Schwenk, Erwin, Bloomfield, N. J., F. Hilderbrandt, Hohen Neuendorf, near Berlin, and M. Gehrke, Birkenwerder, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J. Producing hormone preparations of high purity. 2,184,775; Dec. 26.
Scott, Lloyd N., New York, N. Y., and S. C. Coey, Glen Ridge, N. J., assignors to Research Corporation, New York, N. Y. Air conditioning. 2,184,782; Dec. 26.
Scott, Marvin R. (See Wall, M. J., and Scott.)
Scott & Williams, Incorporated. (See Peloquin, Edward, assignor.)
Scott & Williams, Incorporated. (See Sheppard, Harry N., assignor.)
Seagrave, Louis K., Middletown, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Typewriting machine. 2,185,137; Dec. 26.
Sebell, Harry, Boston, assignor to A. H. Parker, Lexington, Mass. Container. 2,184,758; Dec. 26.
Seelig, Hugo F. (See Unruh, W. D., and Seelig.)
Sellers, William D., Glen Ellyn, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,184,401; Dec. 26.
Sentrop, Johannes T., Wyoming Township, Kent County, Mich. Masonry wall construction. 2,184,682; Dec. 26.
Servel, Inc. . (See Shipman, Bennet C., assignor.)
Servel, Inc. (See Ullstrand, Hugo M., assignor.)
Seybold, Frederick W., Westfield, assignor to American Type Founders, Incorporated, Elizabeth, N. J. Composing room saw. 2,184,898; Dec. 26.
Shand, Errol B., Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Fiber glass wicking. 2,184,899; Dec. 26.
Sharp, Harold R., assignor of one-half to R. M. Sharp, Waterloo, Iowa. Motor drill for oil well casings and the like. 2,184,817; Dec. 26.
Sharp, Ray M. (See Sharp, Harold R., assignor.)
Sheldrick, Henry W. (See Collier, D. R., and Sheldrick.)
Shell Development Company. (See Luten, D. B., Jr., and Thomas, assignors.)
Shell Development Company. (See Ruys, J. D., Pyzel, assignors.)
Shell Development Company. (See Straatman, A. G. H., and Rees, assignors.)
Shell Development Company. (See van Peski, Adrianus J., assignor.)
Sheppard, Harry N., Maplewood, N. J., assignor to Scott & Williams, Incorporated, New York, N. Y. Needle for plating knit fabric. 2,184,476; Dec. 26.
Sherrick, Samuel T., and C. A. Lewallen, Denver, Colo., assignors, to Vac-2-O Burner and Oil Cleaner Company Incorporated. Burner for gaseous or liquid fuel. 2,184,653; Dec. 26.
Sherts, James H., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Safety glass. 2,184,876; Dec. 26.
Shields, Charles B., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Approach control apparatus for railway signaling systems. 2,184,877; Dec. 26.
Shipman, Bennet C., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Heat exchanger. 2,184,759; Dec. 26.
Shoemaker, Bernard H., and H. R. Batchelder, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Diesel fuel and preparing the same. 2,184,440; Dec. 26.

Sholes, Justin G., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Apparatus for self-administratiton of anesthetics. 2,185,067; Dec. 26.
Sholes, Justin G., Cleveland, and O. J. Smith, Cleveland Heights, assignors to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Apparatus for self-administration of anesthetics. 2,185,068; Dec. 26.
Sholes, Justin G., and J. T. Giekler, assignors to The Ohio Chemical & Manufacturing Company, Cleveland, Ohio. Anesthetic apparatus. 2,185,069; Dec. 26.
Shook, David W., Dayton Township, Butler County, Iowa. Device for holding animals while under treatment or operations. 2,184,364; Dec. 26.
Shoor, Irving, Sarasota, Fla. Apparatus for bowling. 2,184,950; Dec. 26.
Shuman, Lewis, Los Angeles, Calif. Brake mechanism. 2,184,683; Dec. 26.
Sieber, Frederick P., Glendale, Long Island, N. Y., Knitting machine and knitting. 2,184,851; Dec. 26.
Siedler, Philipp, E. Kayser, H. Korte, and W. Walbel, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for carrying out the bleaching of bast fibers. 2,184,477; Dec. 26.
Siemens-Schuckertwerke Aktiengesellschaft. (See Leukert, Wilhelm, assignor.)
Signode Steel Strapping Company. See Lau, Herbert C., assignor.)
Simmen, Paul J., Eden, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,184,878; Dec. 26.
Simpson, Donald C., Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Treatment of glass fibers. 2,184,320; Dec. 26.
Sinclair, Harold, Kensington, London, and R. C. Clerk, Egham, assignors to Hydraulic Coupling Patents Limited, London, England. Power transmission mechanism. 2,184,533; Dec. 26.
Singer Manufacturing Company, The. (See Nunn, Joseph R., assignor.)
Sipe, Harry E., New York, N. Y., assignor to Talon, Inc. Slide fastener. 2,184,625; Dec. 26.
Sisson, Vinton E., Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Operating rod for car couplers. 2,184,818; Dec. 26.
Sisson, Vinton E., Winnetka, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car. 2,184,819; Dec. 26.
Skenandoa Rayon Corporation. (See Brucker, James W., assignor.)
Skwarski, Jan. (See Ryan, A. P., and Skwarski.)
Slaney, John E., assignor to The Fountain Comb Company, McKeesport, Pa. Fountain comb. 2,184,478; Dec. 26.
Small, Clyde E., assignor to The Campbell Hausfeld Company, Harrison, Ohio. Multiple burner furnace. 2,184,654; Dec. 26.
Smellie, Donald G., Canton, and W. C. Eberly, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,184,441; Dec. 26.
Smeykal, Karl. (See Havemann, H., and Smeykal.)
Smith & Davis Manufacturing Company. (See Duvall, W. J., and Froemke, assignors.)
Smith, Dorothy M. (See Smith, Frederick J. C., assignor.)
Smith, Frederick J. C., Milford, Conn., assignor to D. M. Smith, Okeene, Okla. Fume exhausting soldering iron. 2,184,980; Dec. 26.
Smith, Harold E., Adrian, Mich. Drawing file. 2,184,852; Dec. 26.
Smith, Harry B., Glen Rock, and G. A. Dolan, Hohokus, N. J. Pipe welding and heat-treating process and means. 2,184,534; Dec. 26.
Smith, Harry F., and C. E. Waring, assignors to General Motors Corporation, Dayton, Ohio. Refrigeration and absorbent therefor. 2,185,040; Dec. 26.
Smith, Henry B. (See Kocher, N. S., and Smith.)
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing trimyl phosphate. 2,184,442; Dec. 26.
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing triethylene glycol diacetate. 2,184,443; Dec. 26.
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing tetrahydrofurfuryl succinate. 2,184,445; Dec. 26.
Smith, Henry B., and D. R. Swan, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing triethyl citrate. 2,184,444; Dec. 26.
Smith, Herman L., Pittsburgh, Pa., assignor to American Smelting and Refining Company, New York, N. Y. Treating lead alloys. 2,184,535; Dec. 26.
Smith, L. C., & Corona Typewriters, Inc. (See Carpenter, J. H., and Gabrielson, assignors.)
Smith, Lewis R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,185,039; Dec. 26.
Smith, Oris J. (See Sholes, J. G., and Smith.)
Smith, Rowland P., Stamford, and J. Belding, Old Greenwich, Conn., assignors to Chemical Construction Corporation, New York, N. Y. Regeneration of waste ferrous sulphate liquor. 2,185,095; Dec. 26.
Smith, Temple C. (See Freeman, A. E., and Smith.)
Smith, Vincent W., and H. M. Wolf, Muncie, Ind., assignors to The Broderick Company. Firebox superheater. 2,184,626; Dec. 26.
Smythe, Edwin H., Evanston, Ill. Reference card and mounting therefor. 2,184,853; Dec. 26.
Snell, Maurice S. (See Hartley, G. C., and Snell.)
"Snia-Viscosa" Società Nazionale Industria Applicazioni Viscosa. (See Donagemma and Donagemma, assignors.)
Snow, Robert D. (See Frey, F. E., and Snow.)
Snyder, Eugene L., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,184,446; Dec. 26.
Snyder, Harold H., assignor to Corning Glass Works, Corning, N. Y. Glass working machine. 2,184,900; Dec. 26.
Societe Anonyme des Manufacture des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Do Huu Chan, André, assignor.)
Society of Chemical Industry in Basle. (See Graenacher, C., and Matter, assignors.)
Socony-Vacuum Oil Company. (See Hooker, D. L., and Fabian, assignors.)
Socony-Vacuum Oil Company. (See Nygaard, E. M., and Crandall, assignors.)
Solberg, Thorvald A., Washington, D. C. Time switch and control system. 2,184,724; Dec. 26.
Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr. Regenerative electromechanical frequency selective apparatus. 2,184,321; Dec. 26.
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record shaving machine. 2,184,365; Dec. 26.
Sorensen, Clarence T., Lakewood, Ohio. Refrigerating device. 2,184,322; Dec. 26.
Sowden, Alfred, Arkansas City, Kans. Packing machine for containers and the like. 2,184,474; Dec. 26.
Spain, Roy L., Birmingham, Ala. Roofing shingle. 2,184,655; Dec. 26.
Spangenberg, Charles B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,184,703; Dec. 26.
Spanner, Hans J., Berlin-Kladow, Germany. Cathode activation and degassing. 2,184,323; Dec. 26.
Spencer, Emmet F., South Pasadena, Calif. Nonlockable bumper guard. 2,184,402; Dec. 26.
Spooner, Talma G., Benton Harbor, Mich. Shipping crate. 2,184,854; Dec. 26.
Spurlock, Fred M., Pueblo, Colo. Grass sprinkler. 2,184,901; Dec. 26.
Squibb, E. R., & Sons. (See Christiansen, Walter G., assignor.)
Staley, A. E., Manufacturing Company. (See Mackey, Alexander S., assignor.)
Standard Brands Incorporated. (See Light, R. F., and Frey, assignors.)
Standard Franco-Americaine de Raffinage. (See Schlageter, August, assignor.)
Standard Oil Company. (See MacLaren, F. H., and Adams, assignors.)
Standard Oil Company. (See Shoemaker, B. H., and Batchelder, assignors.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Oil Development Company. (See Bryan, Andrew B., assignor.
Standard Oil Development Company. (See Gilliland, E. R., and Rosen, assignors.)
Standard Oil Development Company. (See Gleason, A. H., and Rosen, assignors.)
Standard Oil Development Company. (See Steik, Karl T., assignor.)
Standard Oil Development Company. (See Sweeney, W. J., and Laughlin, assignors.)
Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)
Standard Oil Development Company. (See Zimmer, J. C., and Crutchfield, assignors.)
Standard Products Company, The. (See Husted, Harry A., assignor.)
Standard Railway Equipment Manufacturing Company. (See Crede, Charles E., assignor.)
Standard Railway Equipment Manufacturing Company. (See Jumper, F. J., and Gilpin, assignors.)
Standard Railway Equipment Manufacturing Company. (See Sisson, Vinton E., assignor.)
Standard Railway Equipment Manufacturing Company. (See Stone, Walter C., assignor.)
Standard Supercharger Corporation. (See Kowitt, Jerome H., assignor.)
Stapleton, Victor, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils. 2,185,041; Dec. 26.
Starring, David S., Greens Farms, and G. B. Horn, Fairfield, assignors to Wheeler Insulated Wire Company, Bridgeport, Conn. Enameling machine. 2,184,704; Dec. 26.
Stauffer, Harry G. (See Edgar, D. E., and Stauffer.)
Stauffer, Jay W., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control device. 2,184,568; Dec. 26.

Stelk, Karl T., Montclair, N. J., assignor to Standard Oil Development Company. Recovering ketenes and reaction products thereof. 2,184,963; Dec. 26.
Stein, Gustav A., Elizabeth, N. J., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Preparing 2-methyl-5-chlor-methyl-6-amino pyrimidine hydrochloride. 2,184,964; Dec. 26.
Stevens, Elbridge W., Baltimore, Md., assignor, by mesne assignments, to Wachovia Bank and Trust Company, Forsyth County, N. C. Hydrogenating hydrocarbon oils. 2,185,070; Dec. 26.
Stewart, Robert A., Watertown, assignor to George B. Graff Company, Cambridge, Mass. Signal or clip. 2,184,569; Dec. 26.
Stewart, Seymour J., New Orleans, La. Buffer fan hanger. 2,185,019; Dec. 26.
Stieber, Wilhelm G. O., Munich, Germany. Clamp connection. 2,184,855; Dec. 26.
Stiffel, Theophile A., Chicago, Ill. Electric light fixture. 2,184,856; Dec. 26.
Stobb, Anton, assignor to American Type Founders, Incorporated, Elizabeth, N. J. Printing press. 2,184,725; Dec. 26.
Stoddard, Russell B., Woodbridge, Conn. Vehicle braking means. 2,185,003; Dec. 26.
Stone, Walter C., St. Louis, Mo., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Hatch for railway cars. 2,184,656; Dec. 26.
Stone, William E., Colonia Anahuac, D. F., Mexico, dedicated to the free use of the People of the United States of America. Apparatus for the reproduction, regulation, and control of temperatures. 2,184,859; Dec. 26.
Stötter, Hermann, Leverkusen I. G. Werk, and T. Hermann, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Mothproofing detergent composition. 2,184,951; Dec. 26.
Straatman, Alphons G. H., The Hague, Netherlands, and D. P. Rees, Birmingham, England, assignors to Shell Development Company, San Francisco, Calif. Orienting device. 2,184,931; Dec. 26.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,184,403; Dec. 26.
Strauss, Frank A., New Brighton, Staten Island, assignor to Wailes Dove-Hermiston Corporation, New York, N. Y. Paint. 2,184,324; Dec. 26.
Stricker, Mildred S., St. Louis, Mo. Infant's harness. 2,184,404; Dec. 26.
Strong, Lawrence D., Chicago, Ill. Shaving device. 2,185,042; Dec. 26.
Stubbs, Albert, Knutsford, and R. Townend, Chorlton-cum-Hardy, Manchester, England, assignors to General Electric Company. Electric drive system. 2,185,043; Dec. 26.
Sturtevant, B. F., Company. (See Bentley, Oliver D. H., assignor.)
Sturtevant, B. F., Company. (See Hemming, Harold, assignor.)
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Sun Oil Company. (See Heller, Harry, assignor.)
Sunbeam Electric Manufacturing Company. (See Dennedy, James H., assignor.)
Suozzi, Joseph, New York, N. Y. Hair cutting machine. 2,184,981; Dec. 26.
Superior Fastener Corporation. (See Jorgensen, Clarence W., assignor.)
Swaine, James W., Bayside, assignor to General Chemical Company, New York, N. Y. Manufacture of lead arsenate. 2,184,890; Dec. 26.
Swan, Donald R. (See Smith, H. B., and Swan.)
Swanson, Alfred, Los Angeles, Calif. Hydraulic door check. 2,184,607; Dec. 26.
Sweeney, William J., and K. C. Laughlin, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing derivatives of hydroformed naphthas and products thereof. 2,184,325; Dec. 26.
Talon, Inc. (See Sipe, Harry E., assignor.)
Taupier, René, Boulogne-sur-Seine, France. Device for actuating the controls on aircraft. 2,185,160; Dec. 26.
Tarn, Thomas R. (See Beyer, W. O., and Tarn.)
Taylor, Robert H. (See Muskat, I. E., and Taylor.)
Teatini, Dario, Hougaerde, Belgium. Purification of sugar factory and refinery juices. 2,184,570; Dec. 26.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gerlach, Erwin, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wolf, Günter, assignor.)
Tennant, G. H., Company. (See Hale, L., Pennock, and Price, assignors.)
Tennessee Enamel Manufacturing Company. (See Evans, W. B., and Lawson, assignors.)
Ternstedt Manufacturing Company. (See Lakin, John W., assignor.)
Texas Company, The. (See Stapleton, Victor, assignor.)
Texas Company, The. (See Trow, Richard F., assignor.)
Textilewerk Hom A. G. (See Knup, E., and Naef, assignors.)
Thomas, Edward B. (See Oxley, H. F., Thomas, and Downing.)
Thomas, John H., Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Tire. 2,184,326; Dec. 26.
Thomas, Samuel B. (See Luten, D. B., Jr., and Thomas.)
Thompson, Howard A. (See Allen, E. M., and Thompson.)
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 2,184,371; Dec. 26.
Thornton, Joseph H., Spokane, Wash. Gold amalgamator. 2,184,447; Dec. 26.
Thürlings, Hermann, Viersen, Germany, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Apparatus for filling soft-center confections and the like. 2,184,405; Dec. 26.
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Timken Roller Bearing Company, The. (See Edwards, Herbert C., assignor.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 2,184,783; Dec. 26.
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Spring catch release. 2,185,161; Dec. 26.
Todd, Charles L. A., Longview, Tex. Taking oil from wells. 2,184,784; Dec. 26.
Ton-Tex Corporation. (See Alexander, Albert N., assignor.)
Tornquist, Earl L., Elmhurst, Ill. Control system for heating. 2,184,982; Dec. 26.
Tornquist, Earl L., Elmhurst, Ill. Gas burner control system. 2,184,983; Dec. 26.
Townend, Robert. (See Stubbs, A., and Townend.)
Trabon Engineering Corporation. (See Hillis, David R., assignor.)
Trane Company, The. (See Weinstein, Norman, assignor.)
Treer, Ross B., Lakewood, assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Press. 2,185,096; Dec. 26.
Tri State Cap & Cap Machinery Co. (See Jonassen, Jonas, assignor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Tritle, John F., Erie, Pa., assignor to General Electric Company. Controller. 2,185,044; Dec. 26.
Trolley Conveyors Development Foundation, Inc. (See Barrett, Clarence A., assignor.)
Trosch, Alfred, assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Planer. 2,184,608; Dec. 26.
Trow, Richard F., Tuckahoe, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbons. 2,185,162; Dec. 26.
Troxler, Charles G., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,184,406; Dec. 26.
Trumbower, Walter G. (See Moore, C. B., and Trumbower.)
Trussell, Emory A., Milwaukee, Wis., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Binding sheet material. 2,185,004; Dec. 26.
Trussell Manufacturing Company. (See Trussell, Emory A., assignor.)
Tucker, Emmitt M., Huntington Park, Calif. Internal combustion engine. 2,184,820; Dec. 26.
Turnbull Elevator Company Limited. (See Crane, Harold C., assignor.)
Twomey, Nora M., New York, N. Y. Support rack. 2,184,536; Dec. 26.
Tyson, Levi D. (See Foster, W. H., and Tyson.)
Uhlmann, Wolfram, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Braun tube. 2,184,821; Dec. 26.
Ullstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,184,726; Dec. 26.
Ulrich, Heinrich, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polyoxyalkylene ammonium compounds and preparing them. 2,185,163; Dec. 26.
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
Unger, Paul O., Elmhurst, assignor to Wilson-Jones Company, Chicago, Ill. Cabinet. 2,184,822; Dec. 26.
Union Carbide and Carbon Corporation. (See Hofmann, Harry E., assignor.)
Union Carbide and Carbon Corporation. (See Hutchison, Frank C., assignor.)
Union Carbide and Carbon Corporation. (See Moss, Herbert H., assignor.)
Union Switch & Signal Company, The. (See Allen, E. M., and Thompson, assignors.)
Union Switch & Signal Company, The. (See Blosser, Herman G., assignor.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Bone, H. L., and McGowan, assignors.)

Union Switch & Signal Company, The. (See Plasterer, George R., assignor.)
Union Switch & Signal Company, The. (See Shields, Charles B., assignor.)
Union Switch & Signal Company, The. (See Simmen, Paul J., assignor.)
Union Twist Drill Company. (See Kiehne, Alfred J., assignor.)
United Aircraft Corporation. (See Hersey, Donald S., assignor.)
United Shoe Machinery Corporation. (See La Capelle, Euclid L., assignor.)
United States Air Compressor Company, The. (See Schultz, P. I., and Pelouch, assignors.)
Universal Winding Company. (See Parks, Edward F., assignor.)
Unruh, William D., and H. F. Seelig, Benton Harbor, assignors to Auto Specialties Manufacturing Company, St. Joseph, Mich. Scale platform locking mechanism. 2,185,045; Dec. 26.
Upham, Burt F., Grimsby, Ontario, Canada. Gripper cylinder for printing presses. 2,184,785; Dec. 26.
Vac-2-O Burner and Oil Cleaner Company Incorporated. (See Sherrick, S. T., and Lewallen, assignors.)
Valetta, Vittorio, assignor to Fiat Societa Anonima, Turin, Italy. Motor vehicle coachwork. 2,184,537; Dec. 26.
Vamos, Alfred, New York, N. Y. Elastic textile fabric. 2,184,772; Dec. 26.
Vance, Arthur W., Haddonfield, N. J., assignor to Radio Corporation of America. Modulation system. 2,184,571; Dec. 26.
Van Peski, Adrianus J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Improving the resistance of a mineral oil. 2,184,944; Dec. 26.
Van Stone, Clifford E., and A. E. Johnson, Taft, Calif. High pressure hose. 2,184,984; Dec. 26.
Varga, Louis, assignor to Midwest Car Company, Chicago, Ill. Brake beam equalizer safety support. 2,184,690; Dec. 26.
Vaughan & Bushnell Mfg. Co. (See Vaughan, Sanford S., assignor.)
Vaughan, Sanford S., Oak Park, assignor to Vaughan & Bushnell Mfg. Co., Chicago, Ill. Hammer. 2,184,985; Dec. 26.
Verhagen, Christian M. (See Hagerty, A. T., and Verhagen.)
Vernon, Murray, Greenwich, Conn. Loose-leaf book and pencil holder. 2,184,823; Dec. 26.
Vickers, Incorporated. (See Harrington, Ferris T., assignor.)
Villem, Raymond, and H. Goudet, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Radio tuning device. 2,184,965; Dec. 26.
Voith-Schneider Propeller Company. (See Mueller, H., and Schneider, assignors.)
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Method of and apparatus for labeling. 2,184,824; Dec. 26.
Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Circuit breaker. 2,184,372; Dec. 26.
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Opaque waxes and preparing the same. 2,185,046; Dec. 26.
Vosbikian, Peter S. (See Vosbikian, Thomas S. and P. S.)
Vosbikian, Thomas S. and Peter S., Philadelphia, Pa. Hand tool. 2,184,986; Dec. 26.
Vostrez, Victor, Lincoln, Nebr. Safety strip. 2,185,020; Dec. 26.
Wachovia Bank and Trust Company. (See Stevens, Elbridge W., assignor.)
Wackier, John, New York, N. Y. Turning device for cutter sleeves of doughnut machines. 2,184,825; Dec. 26.
Wagner, Chester I., Brooklyn, N. Y., assignor to Safety Fastener Co., Bloomfield, N. J. Perforator. 2,185,005; Dec. 26.
Wailes Dove-Hermiston Corporation. (See Strauss, Frank A., assignor.)
Wainess, Joseph S., New York, N. Y. Upholstery edge. 2,184,572; Dec. 26.
Walch, Frederick W., Newton Center, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Forcer tube. 2,184,573; Dec. 26.
Wall, Matthew J., Jersey City, and M. R. Scott, Elizabeth, N. J., assignors to Oxweld Acetylene Company. Welding tip. 2,184,479; Dec. 26.
Wallace, James M., Braddock, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,184,760; Dec. 26.
Waring, Charles E. (See Smith, H. F., and Waring.)
Warner Bros. Pictures, Inc. (See Jackman, Fred W., assignor.)
Warren, Kenneth W., assignor to Bendix Products Corporation, South Bend, Ind. Shock strut. 2,184,327; Dec. 26.
Warren Telechron Company, et al. (See Grupe, H. L., (Robertson, assignor), and Moran.)
Washburne, Robert N. (See Bruson, H. A., and Washburne.)
Washington Institute of Technology, Inc. (See Kear, F. G., and Marx, assignors.)
Wassenegger, Hans. (See Pattock, K., and Wassenegger.)
Waterbury Farrel Foundry and Machine Company, The. (See O'Brien, John F., assignor.)
Watson, Glenn W., assignor to Penweld Corporation, Detroit, Mich. Dual current condenser welder. 2,184,627; Dec. 26.
Watson, Glenn W., and E. C. Brannas, assignors to Penweld Corporation, Detroit, Mich. Welding apparatus. 2,184,628; Dec. 26.
Waugh Equipment Company. (See Clark, Leverett M., assignor.)
Waukesha Motor Company. (See Melcher, Lee W., assignor.)
Webster, Warren, & Company. (See Rohlin, Karl W., assignor.)
Weeks, James A., et al., trustee. (See Colton, Henry S., assignor.)
Weinreb, Louis, Chicago, Ill. Clamp for a lamp. 2,185,164; Dec. 26.
Weinstein, Norman, Chicago, Ill., assignor to The Trane Company, La Crosse, Wis. Apparatus for air conditioning. 2,185,047; Dec. 26.
Weis, William. (See Penney, H. D., and Weis.)
Weiss, Abraham, New York, N. Y. Advertising match book. 2,184,629; Dec. 26.
Welch, Elmer B., McKeesport, and L. G. Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company. High-speed tool steel. 2,185,006; Dec. 26.
Wende, Charles W. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of matter and manufacture of the same. 2,184,538; Dec. 26.
Western Cartridge Company. (See Reinhardt, Otto K., assignor.)
Western Electric Company. (See Hartley, G. C., and Snell, assignors.)
Western Electric Company. (See Wright, E. P. G., and Hartley, assignors.)
Western Electric Company. (See Zartman, Castle W., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Lloyd, David W., assignor.)
Westinghouse Air Brake Company, The. (See Stauffer, Jay W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baker, B. P., and Dyer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Buff, Carl T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Codling, Eldred P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Farley, W. R., Atherton, and Gonano, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harding, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, W., and Mahnke, assignors.)
Westinghouse Electric & Manufacturing Company. (See Smith, Lewis R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wallace, James M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodman, Kenneth L., assignor.)
Westinghouse Electric Elevator Company. (See Williams, H. W., and Santini, assignors.)
Wheeler Insulated Wire Company. (See Starring, D. S., and Horn, assignors.)
White, Carl E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Basin forming implement. 2,184,691; Dec. 26.
Whitehurst, George W., Portsmouth, Va. Outlet control valve. 2,185,108; Dec. 26.
Whitten, James L. (See MacConville, J. E., Cockley, and Whitten.)
Wier, Charlie B., Pineville, La. Device for milking machines. 2,184,761; Dec. 26.
Wiessner, Alfred. (See Hahnemann, W. M., and Wiessner.)
Wiessner, Alfred, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Signal transmission system. 2,184,826; Dec. 26.
Wiezevich, Peter J., Elizabeth, N. J., now by judicial change of name to P. J. Gaylor, assignor to Standard Oil Development Company. Plasticized synthetic rubber composition. 2,184,966; Dec. 26.
Wiggam, David R., Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del. Pigment chip composition. 2,184,539; Dec. 26.
Wildman, Harry F., Orlando, Fla.; V. Y. Wildman, executor of the estate of said H. F. Wildman, deceased. Shingle and roofing. 2,184,328; Dec. 26.
Wildman, Vincent Y., executor. (See Wildman, Harry F.)
Willans, Peter W., and L. E. Currah, London, England. Electroacoustic translating device. 2,184,727; Dec. 26.
Williams, George A., Rugby, and H. Brecknock, Long Eaton, England, assignors to General Electric Company. Washing machine. 2,185,109; Dec. 26.

Williams, Harold W., Englewood, and D. Santini, Tenafly, N. J., assignors to Westinghouse Electric Elevator Company. Control system. 2,184,762; Dec. 26.
Williams, Harry E., and L. A. Durant, Chicago, Ill. Game apparatus. 2,184,867; Dec. 26.
Williams, Harry E., and L. A. Durant, Chicago, Ill. Bumper switch. 2,184,868; Dec. 26.
Williams Oil-O-Matic Heating Corporation. (See Ropp, Chester A., assignor.)
Willmore, Charles B., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Refining and producing aluminum. 2,184,705; Dec. 26.
Willmot, Frank, Walsall, England, assignor to Mark Cross Company, New York, N. Y. Hand brush. 2,184,827; Dec. 26.
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Motor. 2,184,932; Dec. 26.
Winter, Louis, Reiffton, Pa. Oil burning apparatus. 2,184,967; Dec. 26.
Winthrop Chemical Company. (See Stötter, H., and Hermann, assignors.)
Witchger, Eugene J., assignor to The Lufkin Rule Company, Saginaw, Mich. Coiling device for measuring rules. 2,184,448; Dec. 26.
Witherow, William P. (See Henderson, Albert, assignor.)
Woernle, Harry E., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Latch. 2,184,879; Dec. 26.
Wojcik, Bruno H., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Production of dinlkylbenzenoid sulphides. 2,185,007; Dec. 26.
Wojcik, Bruno H., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Di-alkylbenzenoid sulphides and their production. 2,185,008; Dec. 26.
Wolf, Austin M., Plainfield, N. J. Power plant. 2,185,165; Dec. 26.
Wolf, Günter, Finkenkrug, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electric valve circuit. 2,184,480; Dec. 26.
Wolf, Howard M. (See Smith, V. W., and Wolf.)
Wolf, Leo, Chicago, Ill. Filing device. 2,184,786; Dec. 26.
Wolff, Hanns-Heinz, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Cathode ray tube. 2,185,138; Dec. 26.
Wood, Ora L., Schenectady, N. Y., assignor to General Electric Company. Mercury boiler feed arrangement. 2,185,048; Dec. 26.
Wood, Thomas J. (See Eash, J. T., and Wood.)
Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Nonspill vent plug. 2,185,097; Dec. 26.
Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Nonspill vent plug. 2,185,098; Dec. 26.
Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Nonspill vent plug. 2,185,099; Dec. 26.
Woodin, William H., Jr. (See Soller, Walter, assignor.)
Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooking surface and treating the same. 2,184,828; Dec. 26.
Woodruff, Herbert, Cherry Lane, N. C. Weeder. 2,184,968; Dec. 26.
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wright, Edwin C. (See Raab, F. C., and Wright.)
Wright, Esmond P. G., and G. C. Hartley, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Private branch exchange system. 2,184,540; Dec. 26.
Wrights, John H. (See Evans, P. T., Wright, and Brammer.)
Wurzburg, Francis L., Jr., Bronxville, assignor to Interchemical Corporation, New York, N. Y. Scanning apparatus. 2,185,139; Dec. 26.
Yacovino, Ralph, New York, N. Y. Child's garment. 2,184,329; Dec. 26.
Youart, Charles M., assignor to Porter Steel Specialties, Shelbyville, Ind. Carpet sweeper. 2,184,609; Dec. 26.
Young, Fred M., Racine, Wis. Heat exchanger. 2,184,657; Dec. 26.
Young, Fred M., Racine, Wis. Radiator. 2,184,658; Dec. 26.
Young, Louis H., Auburndale, assignor to Gillette Safety Razor Company, Boston, Mass. Optical comparator. 2,185,010; Dec. 26.
Zalkind, Philip, New York, N. Y. Reentrant clip. 2,184,829; Dec. 26.
Zartman, Castle W., Kew Gardens, assignor to Western Electric Company, Incorporated, New York, N. Y. Manifold form. 2,184,509; Dec. 26.
Zein Corporation of America, The. (See Coleman, Roy E., assignor.)
Zeiss Ikon Aktiengesellschaft. (See Sauer, Hans, assignor.)
Zelda Radow Salon of Body Sculpture, Inc. (See Faigle, Athur A., assignor.)
Zimmer, John C., Hillside, N. J., and J. B. Crutchfield, Richmond, Va., assignors to Standard Oil Development Company. Rustproofing composition. 2,184,952; Dec. 26.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Container structure. A. S. Mackey. Re. 21,310; Dec. 26.

Holder and applicator, Soap. L. J. Arms. Re. 21,307; Dec. 26.

Locomotives in roundhouses, System of drafting. F. H. C. Coppus. Re. 21,308; Dec. 26.

Recording and control system and apparatus therefor. T. R. Harrison. Re. 21,309; Dec. 26.

LIST OF PLANT INVENTIONS

Tree, Peach. V. C. Campbell. 351; Dec. 26.

LIST OF DESIGN INVENTIONS

Agitator, Drink mixer. A. W. Seyfried. 118,249; Dec. 26.
Airplane, Pursuit. H. W. Case. 118,277; Dec. 26.
Arm for lamp fixtures. A. O. Elting. 118,301–4; Dec. 26.
Ashtray or similar article. C. E. Eckles. 118,300; Dec. 26.
Ashtray or similar article, Smoker's. W. C. Panzer. 118,310; Dec. 26.
Atomizer. F. A. Vuillemenot. 118,228; Dec. 26.
Bag or similar article, Syringe. M. M. Smith. 118,251; Dec. 26.
Boot-spur body. F. Dean. 118,278; Dec. 26.
Bottle. J. M. Guthrie. 118,330; Dec. 26.
Bottle. B. F. Strand, Jr., and W. H. Meyer. 118,313; Dec. 26.
Bottle. O. J. Wile. 118,316; Dec. 26.
Bottle or similar article. E. M. Cobb. 118,299; Dec. 26.
Bottle or similar article, Water. E. M. Roberts. 118,246–7; Dec. 26.
Bottle or similar article, Water. M. M. Smith. 118,250; Dec. 26.
Box, Plant. W. Fader. 118,230; Dec. 26.
Bracket for electric light, Wall. A. E. Poor. 118,311; Dec. 26.
Broiler or similar article. S. Forman. 118,231; Dec. 26.
Cabinet and bag compartment, Combined popcorn machine. C. T. Manley. 118,331; Dec. 26.
Cabinet, Make-up. E. O. Carlson. 118,259; Dec. 26.
Cabinet or similar article, Phonograph. A. Nagel. 118,244; Dec. 26.
Cabinet, Refrigerating. W. W. Higham. 118,281; Dec. 26.
Carrier, Portable sample. H. L. Hoenigsberger. 118,283; Dec. 26.
Casing, Directional signal. O. M. Pope. 118,312; Dec. 26.
Casing for a cinematograph. J. Tuomey. 118,296; Dec. 26.
Casing, Lamp. L. Z. LaForest. 118,306; Dec. 26.
Clock, Desk. J. S. Sherman. 118,292; Dec. 26.
Coat. M. Bagedonow. 118,256–7; Dec. 26.
Coat. M. Bagedonow. 118,332; Dec. 26.
Coat. A. Silverstein. 118,322; Dec. 26.
Coat. S. Stimell. 118,269; Dec. 26.
Collar or similar article, Embroidered. E. W. Freudenberg. 118,335; Dec. 26.
Dispenser, Tooth pick. M. Nicosia. 118,290; Dec. 26.
Display and container unit or the like, Combined sausage. O. A. Garson. 118,305; Dec. 26.
Dough divider. H. Van Doren and J. M. Little. 118,271; Dec. 26.
Dress. M. Alwell. 118,317; Dec. 26.
Dress. G. Constantino. 118,340–1; Dec. 26.
Dress. A. Engel. 118,333–4; Dec. 26.
Dress. H. M. Harris. 118,345; Dec. 26.
Dress. L. Katz. 118,337; Dec. 26.
Dress. B. Kessler. 118,347–8; Dec. 26.
Dress. L. Kushman. 118,349; Dec. 26.
Dress. A. Rinaldi. 118,350; Dec. 26.
Dress. J. Rosener. 118,338; Dec. 26.
Dress. C. Schmerler. 118,352–4; Dec. 26.
Dress. J. Stolkin. 118,323; Dec. 26.
Dress. S. Wellins. 118,314–15; Dec. 26.
Dress ensemble. A. Engel. 118,343; Dec. 26.
Dress ensemble. P. Heit. 118,346; Dec. 26.
Dress ensemble. S. Wellins. 118,327–8; Dec. 26.
Fabric, Knitted. J. Minoff. 118,242; Dec. 26.
Fabric or similar article, Textile. G. Canelstein. 118,339; Dec. 26.
Fabric or similar article, Textile. M. Turpan. 118,355–6; Dec. 26.
Fabric or similar article, Textile. D. A. Wechsler. 118,325–6; Dec. 26.
Fabric or similar article, Textile. D. A. Wechsler. 118,357; Dec. 26.
Fabric, Textile. R. Gentile. 118,344; Dec. 26.
Fabric, Textile. W. J. Roche. 118,351; Dec. 26.
Fabric, Textile. J. Walther. 118,324; Dec. 26.
Fabric, Woven textile. A. W. Roth. 118,266–7; Dec. 26.
Game board. C. Egerton. 118,229; Dec. 26.
Greenhouse. R. C. Hansen. 118,279; Dec. 26.
Grill, Broiler. E. G. Grundstrom. 118,234; Dec. 26.
Handbag. L. M. Rubenstein. 118,321; Dec. 26.
Holder, Combined scratch pad and pencil. J. S. Sherman. 118,291; Dec. 26.
Holder, Napkin. S. Bloomfield. 118,258; Dec. 26.
Housing, Lamp. J. A. McKay. 118,308; Dec. 26.
Jug or article of similar nature, Glass. A. H. Nicholson. 118,309; Dec. 26.
Knife, Slicing. W. H. Barry and W. O. Stauffer. 118,274; Dec. 26.
Lace. B. Edson. 118,260; Dec. 26.
Lamp, pot, and support therefor, Combined wall bracket. G. E. and L. MacFadden. 118,287–8; Dec. 26.
Lamp, Wall bracket. G. E. and L. MacFadden. 118,307; Dec. 26.
Lavatory. J. R. Morgan. 118,289; Dec. 26.
Locomotive, Mine. H. F. Flowers. 118,261; Dec. 26.
Medal or similar article. J. Granat. 118,232–3; Dec. 26.
Mixer and food chopper unit, Combined electric. H. M. A. Strauss. 118,270; Dec. 26.
Mixer, Drink. J. F. Barnes and J. O. Reinecke. 118,225; Dec. 26.
Monoplane. P. H. Kemmer and C. E. Reichert. 118,285; Dec. 26.
Motor. J. F. Barnes and J. O. Reinecke. 118,224; Dec. 26.
Necklace. O. Tritt. 118,255; Dec. 26.
Negligee. I. Herdegen. 118,336; Dec. 26.
Package wrapper. C. Doering. 118,342; Dec. 26.
Pillow. A. Kandell. 118,319; Dec. 26.
Pillow covering or similar article. B. Norman. 118,265; Dec. 26.
Pin. J. B. Stinson. 118,254; Dec. 26.
Plaque or similar article. W. S. Benners. 118,226; Dec. 26.
Projector, Light. O. E. Trautmann. 118,293; Dec. 26.
Pump. S. J. Waxelbaum. 118,297; Dec. 26.
Puzzle. I. Steinhardt. 118,253; Dec. 26.
Rack and lighting fixture, or similar article, Combined baggage. C. M. Verhagen. 118,272; Dec. 26.
Respirator facepiece. W. H. Lehmberg. 118,241; Dec. 26.
Saddle, Cycle. H. E. Kalter. 118,262; Dec. 26.
Scale, Weighing. W. Watling. 118,273; Dec. 26.
Scooter footboard or similar article. J. G. Rideout. 118,245; Dec. 26.
Screw driver, Key ring. T. C. Crowley. 118,329; Dec. 26.
Sewing machine, Fur. T. C. Mladinich and S. Nicosia. 118,243; Dec. 26.
Shaker, Condiment. W. A. Hersey. 118,235–7; Dec. 26.
Shaver, Dry. E. H. Law. 118,240; Dec. 26.
Shears or the like. F. W. Hausmann. 118,280; Dec. 26.
Shield, Hair drier hood. H. S. Maulsby. 118,320; Dec. 26.
Sock turner. H. and P. Bowman. 118,227; Dec. 26.
Spectacle frame. H. J. Jackson. 118,284; Dec. 26.
Spectacles, Pair of semirimless. A. F. Williams. 118,298; Dec. 26.

Sprinkler, Lawn. E. S. Kent and W. R. Westfall. 118,263–4; Dec. 26.
Stand for packaged merchandise, Display. E. Borregard. 118,276; Dec. 26.
Stand, Merchandise display. J. Trojan. 118,294; Dec. 26.
Stand, X-ray control. G. Kloos. 118,286; Dec. 26.
Stool. H. Tropauer. 118,295; Dec. 26.
Sunglasses. S. Behr. 118,275; Dec. 26.
Tongue scraper. A. J. Fortunati. 118,318; Dec. 26.
Tooth brush. J. Salit. 118,268; Dec. 26.
Tray, Lantern slide. H. J. Hood. 118,282; Dec. 26.
Truck, Hand. T. L. Kuhns. 118,239; Dec. 26.
Velocipede deck plate. W. V. Smith. 118,252; Dec. 26.
Vessel or similar article, Cooking. H. B. Klusmeyer. 118,238; Dec. 26.
Window frame. Z. Roseman. 118,248; Dec. 26.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF DECEMBER, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading implement and making and assembling the same. L. Hale, E. M. Pennock, and E. E. Price. 2,185,027; Dec. 26.
Abrasive. D. E. Edgar and H. G. Stauffer. 2,184,293; Dec. 26.
Abrasive, Coated. N. E. Oglesby. 2,184,896; Dec. 26.
Acid, Concentrating acetic. D. F. Othmer. 2,184,563; Dec. 26.
Acid, Pressure synthesis of sulphuric. E. Berl. 2,184,707; Dec. 26.
Acids, Manufacture of aliphatic. W. O. Kenyon. 2,184,555; Dec. 26.
Acoustical measuring device. H. Belar. 2,184,542; Dec. 26.
Addressing machine and card feeding mechanism therefor. H. P. Elliott. 2,185,014; Dec. 26.
Adjusting means. F. Moore. 2,184,358; Dec. 26.
Air circulating attachment for refrigerator cars. W. A. Conwell. 2,184,488; Dec. 26.
Air conditioner. W. Brown. 2,184,277; Dec. 26.
Air, Conditioning. H. J. Kaufman. 2,184,998; Dec. 26.
Air conditioning. L. N. Scott and S. C. Coey. 2,184,782; Dec. 26.
Air conditioning apparatus. W. H. Aubrey. 2,184,481; Dec. 26.
Air conditioning apparatus. S. J. Levine. 2,184,354; Dec. 26.
Alarm mechanism for handbags or the like. C. E. Lewis. 2,185,060; Dec. 26.
Alcohol. Preparation of beta-phenylethyl. J. W. Britton, G. H. Coleman, and B. C. Hadler. 2,185,141; Dec. 26.
Alcohols, Sulphonated aromatic ether. H. A. Bruson and C. W. MacMullen. 2,184,935; Dec. 26.
Alloy: *See*—
Zirconium magnetic alloy.
Alloy, Making an. W. Hermsen and F. J. Delves. 2,184,716; Dec. 26.
Alloys, Corrosion-resistant chromium-manganese-iron. A. Kroll. 2,184,305; Dec. 26.
Alloys, Free cutting. A. Beck and H. Bohner. 2,184,692–3; Dec. 26.
Alloys of iron and steel, Making. C. J. Head. 2,185,081; Dec. 26.
Alloys, Treating lead. H. L. Smith. 2,184,535; Dec. 26.
Alumina cement and pig iron in blast furnaces, Simultaneous production of. S. Ruzicka. 2,184,318; Dec. 26.
Aluminum, Refining and producing. C. B. Willmore. 2,184,705; Dec. 26.
Amino-aliphatic sulphonamides and preparing them. W. G. Christiansen. 2,184,279; Dec. 26.
Ammonia from used cupraminonium artificial silk precipitation liquors, Recovering. A. Haltmeier. 2,184,923;
Ammoniacal solutions of metal salts for recovering their constituents, Treatment of. K. Pattock and H. Wassenegger. 2,184,943; Dec. 26.
Ammonium compounds and preparing them, Polyoxyalkylene. H. Ulrich. 2,185,163; Dec. 26.
Amplifier and tone regulator. A. J. Kuhlenbeck and F. L. Manning. 2,184,646; Dec. 26.
Amplifier, Microwave electronic. E. G. Linder. 2,184,556; Dec. 26.
Anesthetic apparatus. J. G. Sholes and J. T. Glekler. 2,185,069; Dec. 26.
Anesthetics, Apparatus for self-administration of. J. G. Sholes. 2,185,067; Dec. 26.
Anesthetics, Apparatus for self-administration of. J. G. Sholes and O. J. Smith. 2,185,068; Dec. 26.
Antenna coupling means. H. O. Roosenstein. 2,184,771; Dec. 26.
Antenna system. A. B. Bailey. 2,184,729; Dec. 26.
Antiskid device for motor vehicles. C. Ehret. 2,184,664; Dec. 26.
Apparatus for air conditioning. N. Weinstein. 2,185,047; Dec. 26.
Apparatus for carrying out the bleaching of bast fibers. P. Siedler, E. Kayser, H. Korte, and W. Waibel. 2,184,477; Dec. 26.
Apparatus for determining bearing play. T. V. Buckwalter. 2,185,142; Dec. 26.
Apparatus for dispensing carbonated water. J. G. Nelson. 2,184,397; Dec. 26.
Apparatus for drying and shaping the shoulders of garments. R. J. Beede. 2,184,375; Dec. 26.
Apparatus for testing vision. F. W. Jobe. 2,184,507; Dec. 26.
Apparatus for the control of highway crossing signals. P. J. Simmen. 2,184,878; Dec. 26.
Apparatus for winding scrap from multiple slitting shears. F. R. Eddy. 2,185,076; Dec. 26.
Approach control apparatus for railway signaling systems. H. G. Blosser. 2,184,543; Dec. 26.
Arc welding. V. J. Chapman. 2,184,335; Dec. 26.
Arm device, Supporting. K. H. Ekstrand. 2,184,587; Dec. 26.
Article and forming the same, Coated. R. E. Coleman. 2,185,126; Dec. 26.
Artificial tooth holder. A. Martin. 2,184,977; Dec. 26.
Ashtray. H. G. Dyke. 2,184,994; Dec. 26.
Auto cooling unit, Self-contained. D. B. Dewey. 2,184,833; Dec. 26.
Automatic bed light. O. J. Daigle. 2,185,051; Dec. 26.
Automobile latch. A. A. Kraft. 2,184,388; Dec. 26.
Automobile steering wheel. P. E. Erickson. 2,184,588; Dec. 26.
Axle and housing construction. R. J. Brittain, Jr. 2,184,578; Dec. 26.
Axle for trucks, Tandem. C. J. Patterson. 2,185,062; Dec. 26.
Bag: *See*—
Punching bag.
Bag frame jaw for luggage carriers. B. and P. Platt. 2,184,848; Dec. 26.
Bag pressure indicator for suction cleaners. D. C. Gerber. 2,184,421; Dec. 26.
Bait or lure, Artificial. C. J. Clarke. 2,184,792; Dec. 26.
Band device, Adjustable head. D. E. Kimball. 2,184,425; Dec. 26.
Bar: *See*—
Flexible link bar.
Barrel, Thermal exchange. E. C. Deibel. 2,184,380; Dec. 26.
Base for incandescent lamps and similar devices. C. A. Brown and C. E. Hahn. 2,184,269; Dec. 26.
Basin forming implement. C. E. White. 2,184,691; Dec. 26.
Basket, Rubber. W. C. Reynolds and W. H. Jordan. 2,185,093; Dec. 26.
Bat marking, Fibrous. H. W. Collins. 2,184,286; Dec. 26.
Battery, Storage. L. R. Adams. 2,184,373; Dec. 26.
Bearing: *See*—
Cone bearing. Walking beam bearing.
Bearing for clockwork mechanism, Cap jewel. H. Colomb. 2,184,580; Dec. 26.
Bearings in roll housings and the like, Retention of. M. Morgan. 2,184,463; Dec. 26.
Bedspring. W. J. Duvall and G. W. Froemke. 2,184,517; Dec. 26.
Belting. P. T. Evans, J. H. Wright, and H. Brammer. 2,184,796; Dec. 26.
Binder, Mineral fiber. J. H. Plummer. 2,184,316; Dec. 26.
Blending agent for gasoline. E. R. Gilliland and R. Rosen. 2,184,956; Dec. 26.
Block for bailing presses, Division. J. H. Blakemore. 2,184,577; Dec. 26.
Board: *See*—
Shirt board.
Boat lifting rack. G. L. Horton. 2,185,083; Dec. 26.
Boiler: *See*—
Mercury boiler.
Boiler feed arrangement, Mercury. O. L. Wood. 2,185,048; Dec. 26.
Boilers for steamships, Arrangement of main. O. Damsleth. 2,184,711; Dec. 26.
Book and pencil holder, Loose-leaf. M. Vernon. 2,184,823; Dec. 26.
Bottle and parts thereof, Nonrefillable. A. Podel. 2,184,468; Dec. 26.
Bottle cap, Paper. D. Bensel. 2,184,869; Dec. 26.
Bottle display collar. L. S. Olsen. 2,184,846; Dec. 26.
Bowling, Apparatus for. I. Sloor. 2,184,950; Dec. 26.
Box: *See*—
Lunch box.
Bracelet. C. McDonald. 2,184,942; Dec. 26.
Bracelet construction. A. O. Schoeninger. 2,184,319; Dec. 26.
Bracket: *See*—
Mounting bracket.
Brake: *See*—
Speed controlled brake. Variable load brake.
Brake beam equalizer safety support. L. Varga. 2,184,690; Dec. 26.
Brake control device. J. W. Stauffer. 2,184,568; Dec. 26.
Brake disconnector, Hydraulic. E. Abell. 2,184,806; Dec. 26.
Brake mechanism. L. Shuman. 2,184,683; Dec. 26.
Brake system. D. W. Lloyd. 2,184,557; Dec. 26.

Braking apparatus, Railway. H. L. Bone. 2,184,871; Dec. 26.
Branch exchange system, Private. G. C. Hartley and M. S. Snell. 2,184,523; Dec. 26.
Branch exchange system, Private. E. P. G. Wright and G. C. Hartley. 2,184,540; Dec. 26.
Brassière. A. Rubinstein. 2,185,159; Dec. 26.
Braun tube. W. Uhlmann. 2,184,821; Dec. 26.
Brick, Paving. E. V. Poston. 2,184,469; Dec. 26.
Broach, Expansible. R. E. Glenny. 2,184,383; Dec. 26.
Brush and comb, Combined. P. Chiraello. 2,185,050; Dec. 26.
Brush, Hand. F. Willmot. 2,184,827; Dec. 26.
Brush holder. G. Linder. 2,184,460; Dec. 26.
Buffer fan hanger. S. J. Stewart. 2,185,019; Dec. 26.
Building construction. O. I. Freeman. 2,184,714; Dec. 26.
Bulkhead, sea wall, and similar structures. F. Milliken. 2,184,462; Dec. 26.
Bumper switch. H. E. Williams and L. A. Durant. 2,184,868; Dec. 26.
Burner and fuel combustion, Fuel. J. E. Greenawalt. 2,184,861; Dec. 26.
Burner control system, Gas. E. L. Tornquist. 2,184,983; Dec. 26.
Burner for gaseous or liquid fuel. S. T. Sherrick and C. A. Lewallen. 2,184,653; Dec. 26.
Burners, Controlling gas and oil. J. R. Scheel. 2,184,947; Dec. 26.
Bushing ring, Forming a. S. Schwartz. 2,184,949; Dec. 26.
Cabinet: *See*—
Climate cabinet.
Cabinet. P. O. Unger. 2,184,822; Dec. 26.
Cable and wire laying machine. A. E. Freeman and T. C. Smith. 2,184,912; Dec. 26.
Cable terminal, Buried. H. G. Addie. 2,184,574; Dec. 26.
Calcium metaphosphate, Making. Curtis H. A. 2,184,287; Dec. 26.
Calendar, Pad. W. H. Kemp. 2,185,151; Dec. 26.
Camera cable release. R. J. Reynolds. 2,184,815; Dec. 26.
Camera, Roll film. H. Becker and O. Sanger. 2,184,331; Dec. 26.
Can body, Sheet metal. H. A. Fink. 2,185,057; Dec. 26.
Can ends, Coating sheet metal. A. L. Kronquest. 2,185,088; Dec. 26.
Candle, Colored flame. W. M. Fredericks. 2,184,666; Dec. 26.
Cap: *See*—
Bottle cap.
Car: *See*—
Refrigerator car.
Car body bolster. O. C. Duryea. 2,184,337; Dec. 26.
Car end structure, Railway. F. J. Jumper and G. G. Glipin. 2,185,168; Dec. 26.
Card and mounting therefor, Reference. E. H. Smythe. 2,184,853; Dec. 26.
Carriage return mechanism for automatic typewriters. G. W. Carlson. 2,184,278; Dec. 26.
Case: *See*—
Eyeglass case. Vanity case.
Case or container for cigarettes and like articles. J. E. H. Morgan and V. J. F. Donnelly. 2,184,803; Dec. 26.
Casing, Electrical apparatus. M. O. Marsh. 2,185,032. Dec. 26.
Casing, Gear. W. L. Hansen. 2,184,669; Dec. 26.
Cathode activation and degassing. H. J. Spanner. 2,184,323; Dec. 26.
Cathode ray tube. K. Schlesinger. 2,185,132; Dec. 26.
Cathode ray tube. H.-H. Wolff. 2,185,138; Dec. 26.
Cathode ray tube apparatus. K. Schlesinger. 2,185,134; Dec. 26.
Cellulose derivatives, Manufacture of. H. F. Oxley, E. B. Thomas, and J. Downing. 2,184,564; Dec. 26.
Cellulose to cellulose xanthate, Conversion of waste regenerated. G. and P. Donagemma. 2,184,586; Dec. 26.
Ceramic ware, Manufacture of. K. Konopicky. 2,184,601; Dec. 26.
Cereal foods, Preparation of. L. A. Dils. 2,185,054; Dec. 26.
Chain drive. I. L. Hall. 2,185,079; Dec. 26.
Chain fastener. I. Nagamatsu. 2,184,814; Dec. 26.
Chair iron. D. R. Collier and H. W. Sheidrick. 2,184,988–9; Dec. 26.
Chairs, Nesting. V. A. R. Primavera. 2,184,470; Dec. 26.
Chart, Opthalmic. O. P. Bigelow. 2,184,920; Dec. 26.
Chock, Folding. J. W. Clark. 2,184,487; Dec. 26.
Chuck, Crankshaft. W. F. Groene and W. F. Meyer. 2,184,590; Dec. 26.
Cigar capping machine. J. Freud. 2,184,687; Dec. 26.
Circuit: *See*—
Electric circuit. Electric valve circuit.
Circuit breaker. B. P. Baker and L. W. Dyer. 2,184,763; Dec. 26.
Circuit breaker. F. G. von Hoorn. 2,184,372; Dec. 26.
Circuit for telephone switchboards, Supervisory. R. P. Boyer, Jr. 2,184,268; Dec. 26.
Circuit interrupter. L. R. Smith. 2,185,039; Dec. 26.
Circuit interrupter. J. M. Wallace. 2,184,760; Dec. 26.
Circuits, Wave transmission. W. van B. Roberts. 2,184,400; Dec. 26.
Clamp and cutter means for reinforcing yarns. E. Peloquin. 2,184,503; Dec. 26.
Clamp connection. W. G. O. Stieber. 2,184,855; Dec. 26.
Clamp for a lamp. L. Weinreb. 2,185,164; Dec. 26.
Clasp, Hook. A. P. Ryan and J. Skwarski. 2,184,434; Dec. 26.
Cleaner: *See*—
Suction cleaner. Vacuum cleaner.
Traveling cleaner. Windshield cleaner.
Cleaner and holder, Electric razor. C. E. Key. 2,184,645; Dec. 26.
Climate cabinet. E. Homberger. 2,184,644; Dec. 26.
Clip: *See*—
Reentrant clip.
Clip pin. H. C. Hooks. 2,185,082; Dec. 26.
Clipper, Electric hair. J. S. Ryan. 2,184,781. Dec. 26.
Clock escapement, Synchronized. J. W. and W. L. Hansen and I. N. Hurst. 2,184,668; Dec. 26.
Closure assembly apparatus. R. R. Clark. 2,184,280; Dec. 26.
Closures, Making. R. R. Clark. 2,184,281; Dec. 26.
Clutch. C. M. Eason. 2,184,506; Dec. 26.
Clutch control mechanism for motor vehicles. E. G. Hill. 2,184,616; Dec. 26.
Clutch mechanism. W. Moretti. 2,184,394; Dec. 26.
Coal stove door. W. M. Knight. 2,184,813; Dec. 26.
Coating apparatus. G. T. Church. 2,184,610; Dec. 26.
Coating apparatus. H. P. Kirchner, R. L. Melton, and R. C. Benner. 2,184,348; Dec. 26.
Coating composition. R. E. Coleman. 2,185,124; Dec. 26.
Coating composition, Heat hardening. R. E. Coleman. 2,185,121; Dec. 26.
Coating composition of zein in closed-chain alcohols, Substantially nongelling. R. E. Coleman. 2,185,119; Dec. 26.
Coating composition of zein in diacetone alcohol, Substantially nongelling. R. E. Coleman. 2,185,120; Dec. 26.
Coating compositions, Zein containing. R. E. Coleman. 2,185,122; Dec. 26.
Coatings in vacuum vessels, Producing sectional. E. Günzel and E. Ruska. 2,184,922; Dec. 26.
Cock, Gas. E. H. Mueller. 2,184,678; Dec. 26.
Coiling device for measuring rules. E. J. Witchger. 2,184,448; Dec. 26.
Coin changing machine. W. B. Evans and D. A. Lawson. 2,185,148; Dec. 26.
Coke and making same, Wood. S. Ruzicka. 2,184,317; Dec. 26.
Cold cathode electron discharge tube. P. T. Farnsworth. 2,184,910; Dec. 26.
Comb, Fountain. J. E. Slaney. 2,184,478; Dec. 26.
Combined switch and plug receptacle. A. G. Mueller. 2,184,359; Dec. 26.
Communications, System for transmitting. W. M. Hahnemann, and A. Wiessner. 2,184,835; Dec. 26.
Comparator, Optical. L. H. Young. 2,185,010; Dec. 26.
Compensating device for combination negatives. J. T. Campbell. 2,184,831; Dec. 26.
Composition of matter and making same. I. E. Muskat and A. G. Chenicek. 2,184,883; Dec. 26.
Composition of matter and manufacture of the same. C. W. J. Wende. 2,184,538; Dec. 26.
Condenser: *See*—
Electrolytic condenser. Evaporative condenser.
Condiment dispenser. W. P. and T. L. Hull. 2,184,302; Dec. 26.
Conductor, Hollow. W. Lowe. 2,184,391–2; Dec. 26.
Cone bearing. K. Ehrlich. 2,185,056; Dec. 26.
Confections and the like, Apparatus for filling soft-center. H. Thürlings. 2,184,405; Dec. 26.
Connector: *See*—
Battery cable connector.
Container: *See*—
Cosmetic container.
Container. E. W. Fleissig. 2,184,712; Dec. 26.
Container. F. G. Henry. 2,184,799; Dec. 26.
Container. H. Sebell. 2,184,758; Dec. 26.
Container closure, Collapsible. T. Harrison. 2,184,592; Dec. 26.
Containers, Apparatus and method of vacuumizing. E. M. Enkur and L. L. Lauve. 2,184,490; Dec. 26.
Control apparatus for railway signaling systems, Approach. C. B. Shields. 2,184,877; Dec. 26.
Control for variable-diameter pulley. C. E. Johnson. 2,184,673; Dec. 26.
Control system. H. W. Williams, and D. Santini. 2,184,762; Dec. 26.
Control system for heating. E. L. Tornquist. 2,184,982; Dec. 26.
Controller. J. F. Tritle. 2,185,044; Dec. 26.
Conveyer. D. E. Gray. 2,184,915; Dec. 26.
Conveyer speed changing device. H. W. Brintnall. 2,184,905; Dec. 26.
Cooking surface and treating the same. K. L. Woodman. 2,184,828; Dec. 26.
Cooling system, Evaporative. E. B. Evleth. 2,184,613; Dec. 26.
Core drilling apparatus. W. B. Noble. 2,184,361; Dec. 26.
Core taking apparatus. G. G. Harrington. 2,184,343; Dec. 26.
Corn test probe, Ear. J. Sand. 2,184,472; Dec. 26.
Cosmetic container. A. R. Botham. 2,184,730; Dec. 26.
Counterbalancing system for oil wells. W. E. Saxe. 2,184,437; Dec. 26.
Coupling device. W. O. Beyer and T. R. Tarn. 2,184,376; Dec. 26.

Coupling for suction cleaners and the like, Tubular. E. F. Martinet. 2,184,881; Dec. 26.
Course guiding system. E. F. W. Alexanderson. 2,184,267; Dec. 26.
Cover: *See*—
Hatch cover.
Cover or cushion, Bed or seat. A. M. Bellan. 2,184,808; Dec. 26.
Crate, Shipping. T. G. Spooner. 2,184,854; Dec. 26.
Cross-field generator. W. R. Harding. 2,184,766; Dec. 26.
Cup for containing lubricant. O. Jabelmann and R. J. Finch. 2,184,925; Dec. 26.
Current electric systems, Protection of alternating. W. W. Lewis. 2,185,029; Dec. 26.
Cushion construction. E. Mudge. 2,184,396; Dec. 26.
Cushion for pile driving. W. P. Kinneman. 2,184,745; Dec. 26.
Cushioning mechanism. L. M. Clark. 2,184,936; Dec. 26.
Cutter: *See*—
Package-binder cutter.
Cylinder, Compound. A. A. Loweke. 2,184,501; Dec. 26.
Cylinder, Finned. D. S. Hersey. 2,184,345; Dec. 26.
Cylinder for printing presses, Gripping. B. F. Upham. 2,184,785; Dec. 26.
Damper regulator. J. P. Kriechbaum and C. G. Kronmiller. 2,184,701; Dec. 26.
Damper, Rocking dynamic. R. Chilton. 2,184,734; Dec. 26.
Damper, Vibration. H. C. Crane. 2,185,023; Dec. 26.
Damping device. G. Pielstick. 2,184,504; Dec. 26.
Decoy device. D. Bonetti. 2,185,013; Dec. 26.
Deflector, Bug. O. H. Eriksen. 2,184,995; Dec. 26.
Desiccating method. D. D. Peebles. 2,184,314; Dec. 26.
Detergent composition, Mothproofing. H. Stötter and T. Hermann. 2,184,951; Dec. 26.
Device for actuating the controls on aircraft. R. Tampier. 2,185,160; Dec. 26.
Device for deflecting air streams. G. A. Gracey. 2,184,798; Dec. 26.
Device for holding animals while under treatment or operations. D. W. Shook. 2,184,364; Dec. 26.
Device for milking machines. C. B. Wier. 2,184,761; Dec. 26.
Device for regulating the temperature of metal cylinders. A. Do Huu Chan. 2,184,908; Dec. 26.
Device for setting and timing locomotive valves. W. E. Bell. 2,184,449; Dec. 26.
Device for the separation of solids of various particle sizes contained in a fluid, especially in the manufacture of starch. G. Jahn. 2,184,598; Dec. 26.
Di-alkylbenzenoid sulphides and their production. B. H. Wojcik. 2,185,008; Dec. 26.
Dialkylbenzenoid sulphides, Production of. B. H. Wojcik. 2,185,007; Dec. 26.
Di-alkylhalobenzenoid sulphides and producing the same. J. H. Babcock and A. Loverde. 2,185,009; Dec. 26.
Diazo derivatives of guanidyl acids. H. Z. Lecher, F. H. Adams, and H. P. Orem. 2,185,154; Dec. 26.
Diazo derivatives of guanidyl sulphonic acids. H. Z. Lecher and H. P. Orem. 2,185,152; Dec. 26.
Die. A. F. Randall. 2,185,094; Dec. 26.
Dispenser: *See*—
Condiment dispenser.
Dispensing device. J. W. Boisseau. 2,184,830; Dec. 26.
Dispensing valve. L. B. Schwarcz. 2,184,439; Dec. 26.
Display device. A. W. Janke. 2,185,086; Dec. 26.
Doll, Radio. C. H. Kehm. 2,184,675; Dec. 26.
Door: *See*—
Coal stove door.
Door check, Hydraulic. A. Swanson. 2,184,607; Dec. 26.
Door construction, Garage. W. D. Ferris. 2,184,341; Dec. 26.
Door lock. W. R. Schlage. 2,184,875; Dec. 26.
Door locking system for an automotive vehicle, Electrical coincidental. J. W. Lakin. 2,184,350; Dec. 26.
Door operating and locking mechanism. J. E. Browning. 2,184,774; Dec. 26.
Door operator, Automatic garage. D. Palumbo. 2,184,649; Dec. 26.
Draft control and regulating device. L. S. Powell. 2,184,399; Dec. 26.
Drafting apparatus. G. C. Lopez. 2,184,718; Dec. 26.
Drawing traverse. W. F. Lee. 2,184,717; Dec. 26.
Drier. C. J. Scanlan. 2,184,473; Dec. 26.
Drier for polished nails. J. Goodman. 2,184,858; Dec. 26.
Drill for oil casings and the like, Motor. H. R. Sharp. 2,184,817; Dec. 26.
Drilling apparatus. G. C. Miller. 2,184,919; Dec. 26.
Drive, Electromechanical. De W. R. Goddard. 2,184,958; Dec. 26.
Drive for dies, Automatic. A. J. Kiehne. 2,184,779; Dec. 26.
Dyestuffs, Acid wool. C. T. Schultis and E. Korten. 2,184,948; Dec. 26.
Dyestuffs, Manufacture of new azo. W. H. Cliffe. 2,184,515; Dec. 26.
Dyestuffs of the anthraquinonebenzacridone series. W. Bauer. 2,185,140; Dec. 26.
Earth working implement. G. R. Ego. 2,184,416; Dec. 26.
Edge on metal members, Method of and apparatus for forming shaped. H. H. Mose. 2,184,560; Dec. 26.
Edge rolling. H. D. Cook. 2,184,582; Dec. 26.
Edge, Upholstery. J. S. Wainess. 2,184,572; Dec. 26.
Elastic fabric. P. Nathanson and G. F. Hofmann. 2,184,751; Dec. 26.
Elastic textile fabric. A. Vamos. 2,184,772; Dec. 26.
Electric arc discharge lamp. C. W. Hansell. 2,184,386; Dec. 26.
Electric circuit. L. F. Hemphill. 2,184,344; Dec. 26.
Electric circuit breaker. R. E. Boid. 2,185,166; Dec. 26.
Electric discharge device. G. H. Rockwood, Jr. 2,184,756; Dec. 26.
Electric discharge tube. A. Katsch. 2,184,841; Dec. 26.
Electric drive system. A. Stubbs and R. Townend. 2,185,043; Dec. 26.
Electric lamp. W. Elenbaas, E. G. Dorgelo, and H. J. Lemmens. 2,185,025; Dec. 26.
Electric motor switch. B. L. Conley. 2,184,411–12; Dec. 26.
Electric switch. M. S. Alcoran. 2,185,071; Dec. 26.
Electric switch. W. Schaelchlin. 2,184,767; Dec. 26.
Electric valve circuit. G. Wolf. 2,184,480; Dec. 26.
Electrical apparatus. L. H. Hill. 2,185,105; Dec. 26.
Electrical coil and making the same. H. L. Grupe, J. A. Robertson, and D. E. Moran. 2,184,342; Dec. 26.
Electrical impulses, Recording of. G. L. Dimmick. 2,184,548; Dec. 26.
Electrical liquid level indicating device. T. Pratt. 2,184,755; Dec. 26.
Electrical synchronization generator. K. Schlesinger. 2,185,136; Dec. 26.
Electrical transfer of rotary motion, System for the. K. Beyerle. 2,184,576; Dec. 26.
Electrical winding. H. L. Driftmeyer. 2,184,272; Dec. 26.
Electroacoustic translating device. P. W. Willans and L. E. Currah. 2,184,727; Dec. 26.
Electrode control for searchlights. W. R. Farley, A. L. Atherton, and O. Gonano. 2,184,765; Dec. 26.
Electrode, Rectal. E. B. Glass. 2,184,642; Dec. 26.
Electrodes, Manufacturing grid. W. L. Krahl. 2,185,106; Dec. 26.
Electrolytic condenser. A. Deutschmann. 2,184,686; Dec. 26.
Electronic tube. K. Schlesinger. 2,185,135; Dec. 26.
Electrooptical system. A. W. Horton. 2,184,743; Dec. 26.
Elements together, Method and apparatus for securing. E. R. Capita. 2,184,282; Dec. 26.
Enameling machine. D. S. Starring and G. B. Horn. 2,184,704; Dec. 26.
End gate. C. M. Igiehart. 2,184,597; Dec. 26.
Engine: *See*—
Internal combustion engine.
Envelopes, Producing preaddressed, E. C. Sauerman. 2,184,362; Dec. 26.
Esters, Mixed. M. De Groote. 2,184,794; Dec. 26.
Esters of methacrylic acid, Preparation of. H. A. Bruson and R. N. Washburne. 2,184,934; Dec. 26.
Evaporative condenser. L. W. Melcher. 2,185,035; Dec. 26.
Extension for gear-shift levers. N. Eddy. 2,185,024; Dec. 26.
Eyeglass case. S. E. Bouchard. 2,184,408; Dec. 26.
Fabric: *See*—
Elastic fabric. Elastic textile fabric.
Fabrics for garments, Producing waterproof air transmissive. E. Knup and F. Naef. 2,184,600; Dec. 26.
Fastener: *See*—
Chain fastener. Slide fastener.
Separable fastener. Snap fastener.
Fastener. D. A. Brennan. 2,184,276; Dec. 26.
Fastening device. G. A. Tinnerman. 2,184,783; Dec. 26.
Feeder: *See*—
Multiple outlet feeder. Sheet feeder.
Ferrous sulphate liquor, Regeneration of waste. R. P. Smith and J. Belding. 2,185,095; Dec. 26.
Ferric sulphate, Manufacture of. T. V. Fowler and H. F. Merriam. 2,184,419; Dec. 26.
Fiber sheets, Drying vulcanized. N. G. Jones. 2,185,087; Dec. 26.
File, Drawing. H. E. Smith. 2,184,852; Dec. 26.
File, Rotary. C. W. Major. 2,184,508; Dec. 26.
Filing device. L. Wolf. 2,184,786; Dec. 26.
Filling and crowning mechanism. W. I. Gladfelter. 2,184,493; Dec. 26.
Film identifying apparatus. M. E. Collins. 2,184,546; Dec. 26.
Filter: *See*—
Light filter.
Filter. T. L. Genter. 2,184,451; Dec. 26.
Filter control, Automatic backwash. J. P. Lawlor. 2,184,618; Dec. 26.
Finger ring. M. Manne and I. Frank. 2,184,749; Dec. 26.
Firearms, Recoil control of. R. H. S. Hughes. 2,184,595; Dec. 26.
Fish lure. J. A. Arbogast. 2,184,330; Dec. 26.
Fishing rod holder. M. Danko. 2,184,583; Dec. 26.
Fishline releaser. C. H. Griffith. 2,184,589; Dec. 26.
Fixture for multiple-slip forms, Assembly. J. H. Carpenter and W. A. Gabrielson. 2,184,987; Dec. 26.

Flashlight construction. O. K. Reinhardt. 2,184,531; Dec. 26.
Flexible link bar. J. Léval. 2,184,747; Dec. 26.
Flooring. R. McD. Freer and G. Morris. 2,184,811; Dec. 26.
Flow valve. C. S. Crickmer and R. A. Lamb. 2,184,635; Dec. 26.
Flower bed border. J. O. Boehme. 2,184,904; Dec. 26.
Fluid pressure operated apparatus and fluid control valve therefor. H. E. Heigis. 2,185,103; Dec. 26.
Fluid pressure producing device. H. C. Bowen. 2,185,072; Dec. 26.
Food handling apparatus. D. A. Meeker and R. C. Geiger. 2,185,155–6; Dec. 26.
Food materials, Process and composition for treating. L. A. Dils. 2,185,053; Dec. 26.
Food products, Method and apparatus for quick freezing of. C. J. Conn. 2,184,990; Dec. 26.
Food products, Quick freezing of. C. J. Conn. 2,184,954; Dec. 26.
Forcer tube. F. W. Walch. 2,184,573; Dec. 26.
Form producing machine. C. A. Bickel. 2,184,684; Dec. 26.
Frequency multiplier. J. L. Reinartz. 2,184,945; Dec. 26.
Frequency selective apparatus, Regenerative electromechanical. W. Soller. 2,184,321; Dec. 26.
Fuel and preparing the same, Diesel. B. H. Shoemaker and H. Batchelder. 2,184,440; Dec. 26.
Fuel, Diesel. E. M. Nygaard and G. S. Crandall. 2,185,157; Dec. 26.
Fuel enrichment device, Thermostatically controlled. W. E. Haast. 2,184,834; Dec. 26.
Fuel injection pump. L. C. Baker. 2,184,483; Dec. 26.
Fuel injection pump. H. C. Edwards. 2,185,144; Dec. 26.
Fuel injection pump. H. C. Edwards. 2,185,146; Dec. 26.
Fuel pump. H. C. Edwards. 2,185,145; Dec. 26.
Fuels and treating the same, Treated. R. C. Marmaduke. 2,184,621; Dec. 26.
Fume exhausting soldering iron. F. J. C. Smith. 2,184,980; Dec. 26.
Furnace: *See*—
Multiple burner furnace. Smelting furnace.
Furnace for heat treating carbonaceous material. C. L. Ocon. 2,184,465; Dec. 26.
Furniture, such as bedchairs and bedsettees, Articles of. C. Frech and J. E. Nilsson. 2,184,713; Dec. 26.
Game. W. C. Driscoll. 2,185,055; Dec. 26.
Game apparatus. B. Radtke. 2,184,866; Dec. 26.
Game apparatus. H. E. Williams and L. A. Durant. 2,184,867; Dec. 26.
Garment, Child's. R. Yacovino. 2,184,329; Dec. 26.
Gas holder. F. Einbeck and O. Korbmacher. 2,184,795; Dec. 26.
Gases, Treating. A. J. L. Hutchinson. 2,184,596; Dec. 26.
Gasoline, water, or other fluid pump, Air operated. F. M. Bennett. 2,184,706; Dec. 26.
Gate: *See*—
End gate.
Gelatin, Manufacture of. J. V. S. Glass. 2,184,494; Dec. 26.
Generator: *See*—
Cross-field generator. Impulse generator.
Electrical synchronization generator.
Glass fibers, Treatment of. D. C. Simpson. 2,184,320; Dec. 26.
Glass, Safety. J. H. Sherts. 2,184,876; Dec. 26.
Glass working machine. H. H. Snyder. 2,184,900; Dec. 26.
Glove forming and pressing machine. I. Gerber. 2,184,521; Dec. 26.
Glycol condensation products, Water-soluble urea-formaldehyde ethylene. T. S. Hodgins and A. G. Hovey. 2,185,167; Dec. 26.
Goggle. S. E. Bouchard. 2,184,409; Dec. 26.
Gold amalgamator. J. H. Thornton. 2,184,447; Dec. 26.
Grapple. F. N. Osmun and F. Kinzbach. 2,184,681; Dec. 26.
Grate. A. Holland. 2,185,028; Dec. 26.
Grate, Furnace. J. K. Dukas. 2,184,292; Dec. 26.
Grating. W. A. Bates. 2,184,407; Dec. 26.
Grenade, Hand. H. Coban. 2,184,284; Dec. 26.
Grid arrangement in cathode ray tubes, Control. K. Schlesinger. 2,185,133; Dec. 26.
Grinding and polishing machine. E. Gerlach. 2,184,955; Dec. 26.
Grinding mill. H. Baehr. 2,184,903; Dec. 26.
Guard for motor vehicles, Radiator. F. W. Meyer. 2,184,882; Dec. 26.
Guard, Nonlockable bumper. E. F. Spencer. 2,184,402; Dec. 26.
Guard structure, Bumper. H. Buchanan. 2,184,631; Dec. 26.
Guard structure, Bumper. R. A. Sandberg. 2,184,651; Dec. 26.
Guide device for blade propellers. H. Mueller and E. Schneider. 2,184,865; Dec. 26.
Hair cutting machine. J. Snozzi. 2,184,981; Dec. 26.
Halogenated material and producing same. I. E. Muskat and A. G. Chenicek. 2,184,888; Dec. 26.
Hammer. S. S. Vaughan. 2,184,985; Dec. 26.
Hand press. F. Lindgren. 2,184,356; Dec. 26.
Hand tool. T. S. and P. S. Vosbikian. 2,184,986; Dec. 26.
Hanger: *See*—
Buffer fan hanger.
Hanger construction. C. A. Barrett. 2,184,860; Dec. 26.
Harness, Infant's. M. S. Stricker. 2,184,404; Dec. 26.
Harvesting machine for beets and the like. W. S. Graham. 2,184,422; Dec. 26.
Hatch cover. J. F. Mackin. 2,184,676; Dec. 26.
Hatch for railway cars. W. C. Stone. 2,184,656; Dec. 26.
Heat controlling system. K. Rohlin. 2,184,849; Dec. 26.
Heat exchange apparatus. C. H. Leach. 2,184,308; Dec. 26.
Heat exchange unit. H. Hemming. 2,184,837; Dec. 26.
Heat exchanger. R. S. Nelson. 2,185,001; Dec. 26.
Heat exchanger. B. C. Shipman. 2,184,759; Dec. 26.
Heat exchanger. F. M. Young. 2,184,657; Dec. 26.
Heat treating control. J. E. MacConville, N. I. Cockley, and J. L. Whitten. 2,184,975; Dec. 26.
Heating apparatus and supply therefor. E. R. Capita. 2,184,283; Dec. 26.
Heating device. J. R. Campbell. 2,184,270; Dec. 26.
Heating element, Low power. E. Challet. 2,184,485; Dec. 26.
Highway stripe. J. D. French. 2,184,492; Dec. 26.
Hoisting control system. W. Schaelchlin and K. Mahnke. 2,184,768; Dec. 26.
Holder: *See*—
Artificial tooth holder. Gas holder.
Book and pencil holder. Implement holder.
Brush holder. License plate holder.
Fishing rod holder. Mute holder.
Holder and drainer, Soap cake. F. T. Plack. 2,184,805; Dec. 26.
Holder for cameras, Copy. V. C. Heybourne. 2,184,698; Dec. 26.
Holder for knives, Lubricating. C. F. Eaton. 2,184,612; Dec. 26.
Holding means for flares and the like. F. B. Embury. 2,184,273; Dec. 26.
Hook: *See*—
Safety hook.
Hopper construction. K. M. Hamilton. 2,184,924; Dec. 26.
Hormone preparations of high purity. E. Schwenk, F. Hilderbrandt, and M. Gehrke. 2,184,775; Dec. 26.
Hose, High pressure. C. E. Van Stone and A. E. Johnson. 2,184,984; Dec. 26.
Housing for flexible members. P. I. Schultz and J. J. Pelouch. 2,184,363; Dec. 26.
Hydraulic press, Double-acting. W. Ernst. 2,184,638; Dec. 26.
Hydraulic system and fluid control device therefor. J. J. Low. 2,185,015; Dec. 26.
Hydrocarbons, Conversion of. R. F. Trow. 2,185,162; Dec. 26.
Ice color producing compositions, Stable. H. Z. Lecher and H. P. Orem. 2,185,153; Dec. 26.
Ignition apparatus. J. L. Arthur and H. A. G. Boller. 2,184,789; Dec. 26.
Ignition system for internal combustion engines. M. F. Peters and G. F. Blackburn. 2,184,315; Dec. 26.
Illuminating system for automotive vehicles employing polarized light. E. H. Land. 2,185,000; Dec. 26.
Impedance, Method and apparatus for measuring. S. M. Bagno and A. Barnett. 2,184,511; Dec. 26.
Implement holder. R. J. Hannan. 2,184,667; Dec. 26.
Impulse generator. K. Schlesinger. 2,185,131; Dec. 26.
Incubator. E. T. Brace. 2,184,685; Dec. 26.
Indicator: *See*—
Magneto breaker contact point opening and closing indicator.
Indicator for liquid flow. R. Holmboe. 2,184,643; Dec. 26.
Inhalator. G. H. Myrick. 2,184,679; Dec. 26.
Insole, Cushion. C. E. Knapp. 2,184,456; Dec. 26.
Intercommunication system. J. Kirch. 2,184,842; Dec. 26.
Interlocking control apparatus. E. M. Allen and H. A. Thompson. 2,184,787; Dec. 26.
Internal combustion engine. M. Mallory. 2,184,357; Dec. 26.
Internal combustion engine. E. M. Tucker. 2,184,820; Dec. 26.
Iron: *See*—
Chair iron.
Fume exhausting soldering iron.
Iron oxide, Production of. P. Fireman. 2,184,738; Dec. 26.
Jack: *See*—
Lift jack.
Jellies and the like, Manufacture of. G. T. Reich. 2,185,064; Dec. 26.
Journal box packing retainer. A. Dienstel. 2,185,075; Dec. 26.
Juices, Purification of sugar factory and refinery. D. Tentini. 2,184,570; Dec. 26.
Ketenes and reaction products thereof, Recovering. K. T. Steik. 2,184,963; Dec. 26.

Keto cyclopentano dimethyl polyhydro phenanthroles and producing the same. F. Hildebrandt. 2,184,299; Dec. 26.
Keyless ignition switch. E. E. Saucier. 2,185,066; Dec. 26.
Knitting machine and knitting. F. P. Sieber. 2,184,851; Dec. 26.
Labeling machine. G. M. Biner. 2,184,378; Dec. 26.
Labeling, Method of and apparatus for. G. W. von Hofe. 2,184,824; Dec. 26.
Lamp: *See*—
Electric arc discharge lamp. Electric lamp.
Latch: *See*—
Automobile latch.
Latch. H. E. Woernle. 2,184,879; Dec. 26.
Lathe, Orbital. W. F. Groene. 2,184,591; Dec. 26.
Lathe, Turret. O. Schaerer. 2,184,475; Dec. 26.
Lead arsenate, Manufacture of. J. W. Swaine. 2,184,890; Dec. 26.
Lead, Recovery of. R. B. Erickson. 2,184,520; Dec. 26.
Lettuce packing machine. W. Dodge. 2,184,290; Dec. 26.
Lever, Variable ratio brake. A. P. Fergueson. 2,184,294; Dec. 26.
License plate holder. G. H. Hutaff, Jr. 2,185,084–5; Dec. 26.
Lift jack. W. G. Johnson. 2,184,455; Dec. 26.
Lift structure. J. P. McCarthy. 2,184,801; Dec. 26.
Light: *See*—
Automatic bed light.
Light filter. E. H. Land and M. Grabau. 2,184,999; Dec. 26.
Light fixture, Electric. T. A. Stiffel. 2,184,856; Dec. 26.
Lighter, Cigar. J. H. Cohen. 2,184,694; Dec. 26.
Link assembly. R. F. Peo and G. M. Magrum. 2,184,398; Dec. 26.
Loader, Pneumatic. B. F. Gregoric. 2,184,384; Dec. 26.
Lock: *See*—
Door lock.
Locking mechanism, Scale platform. W. D. Unruh and H. F. Seelig. 2,185,045; Dec. 26.
Locomotives, Drafting of. N. F. Lane. 2,184,647; Dec. 26.
Loom. S. T. Pugh. 2,185,063; Dec. 26.
Loom harness mechanism. D. C. Churchill. 2,184,410; Dec. 26.
Luminescent tube. H. D. Penney and W. Weis. 2,184,530; Dec. 26.
Lunch box. J. H. Devine. 2,184,336; Dec. 26.
Machine for coating can ends. A. L. Kronquest. 2,185,089; Dec. 26.
Machine for cutting lengths of thread or the like. K. Grunert. 2,184,452; Dec. 26.
Machine for drawing window glass. D. R. Limbers. 2,184,873; Dec. 26.
Machine for marking electric conductors. A. P. Hinsky. 2,184,552; Dec. 26.
Machine for paving streets. H. Bührmann. 2,184,906; Dec. 26.
Magneto breaker contact point opening and closing indicator. M. L. Johnson and J. J. Rose. 2,184,304; Dec. 26.
Manifold form. C. W. Zartman. 2,184,509; Dec. 26.
Massage table. A. A. Faigle. 2,184,418; Dec. 26.
Match book, Advertising. A. Weiss. 2,184,629; Dec. 26.
Material and forming same, Moldable. H. S. Colton. 2,184,271; Dec. 26.
Material and producing the same, Metal blasting. G. H. Kann. 2,184,926; Dec. 26.
Material handling apparatus. G. L. Arms and F. E. McGovern. 2,184,788; Dec. 26.
Materials, Chlorination of titanium bearing. I. E. Muskat and R. H. Taylor. 2,184,887; Dec. 26.
Materials, Fluorescent. G. R. Fonda. 2,184,274; Dec. 26.
Materials, Quantitative separation of. L. Hoyois. 2,184,594; Dec. 26.
Measuring and recording instrument. W. S. Macdonald. 2,184,620; Dec. 26.
Measuring instrument. C. B. Moore and A. C. Jauss. 2,184,430; Dec. 26.
Measuring instrument. C. B. Moore and W. G. Trumbower. 2,184,429; Dec. 26.
Meat tenderer. H. S. Elliott. 2,184,450; Dec. 26.
Mechanical movement. F. A. Howard. 2,184,839; Dec. 26.
Medicine feeding device. J. Dorozinski. 2,184,857; Dec. 26.
Melting apparatus. A. J. Grindle. 2,184,297; Dec. 26.
Mercury boiler. L. R. Biggs. 2,184,333; Dec. 26.
Metal, Flame-cutting. H. E. Rockefeller and J. H. Rountree. 2,184,562; Dec. 26.
Metal, Treating. W. A. Darrah. 2,184,972; Dec. 26.
Metals, Method of and apparatus for cutting. R. S. Babcock and J. M. Gaines, Jr. 2,184,561; Dec. 26.
Meter and cycle of operation of same, Fluid. C. N. Mitchell. 2,184,895; Dec. 26.
Meters, Apparatus for by-passing socket. E. G. Johansson and O. K. Coleman. 2,184,840; Dec. 26.
Metronome. J. O. Aalberg. 2,184,728; Dec. 26.
Microscope, Comparison. F. Meinhardt and H. Fricke. 2,184,750; Dec. 26.
Mill: *See*—
Grinding mill. Roller mill.
Mill for grinding pepper, salt, sugar, coffee and the like. J. Mantelet. 2,184,719; Dec. 26.
Milling machine. J. T. Bolas. 2,184,708; Dec. 26.
Mirror mounting. M. C. Lumley. 2,184,893; Dec. 26.
Mixtures of high boiling point liquids, Distillation of. O. Brücke. 2,184,579; Dec. 26.
Modulation system. A. W. Vance. 2,184,571; Dec. 26.
Mold. E. L. Long. 2,184,959; Dec. 26.
Monitoring system for antenna arrays. F. G. Kear and F. L. Marx. 2,185,059; Dec. 26.
Mop shaking device. J. J. Breil. 2,185,101; Dec. 26.
Motor. W. H. Wineman. 2,184,932; Dec. 26.
Motors, Apparatus for starting electric. W. J. Morrill and E. J. Schaefer. 2,185,130; Dec. 26.
Mounting: *See*—
Mirror mounting. Serial mounting.
Ophthalmic mounting.
Mounting and belt tightener, Motor. B. S. Aikman. 2,184,541; Dec. 26.
Mounting bracket. L. G. Copeman. 2,184,633; Dec. 26.
Muff, Ear. J. Jacobs. 2,184,996; Dec. 26.
Multiple burner furnace. C. E. Small. 2,184,654; Dec. 26.
Multiple outlet feeder, Reversible. D. R. Hillis. 2,184,778; Dec. 26.
Musical instrument, Electrical. L. Hammond. 2,184,424; Dec. 26.
Mute holder. L. Bartoli. 2,184,790; Dec. 26.
Naphthas and products thereof, Preparing derivatives of hydroformed. W. J. Sweeney and K. C. Laughlin. 2,184,325; Dec. 26.
Necktie. J. Fallar. 2,184,737; Dec. 26.
Needle for plating knit fabric. H. N. Sheppard. 2,184,476; Dec. 26.
Noise levels, Measuring short wave. H. O. Peterson. 2,184,754; Dec. 26.
Nonspill vent plug. J. L. Woodbridge. 2,185,097–9; Dec. 26.
Nozzle, Oil burner. P. C. Roth. 2,184,471; Dec. 26.
Nozzle, Welding. F. C. Hutchison. 2,184,499; Dec. 26.
Odors in cooking, Eliminating. J. J. Hollander. 2,184,671; Dec. 26.
Oil burning apparatus. L. Winter. 2,184,967; Dec. 26.
Oil from wells, Taking. C. L. A. Todd. 2,184,784; Dec. 26.
Oil, Improving the resistance of a mineral. A. J. van Peski. 2,184,944; Dec. 26.
Oils, Fermentation process for treating crude ethereal. W. Ekhard. 2,184,637; Dec. 26.
Oils, Hydrogenating hydrocarbon. E. W. Stevens. 2,185,070; Dec. 26.
Oils, Solvent extraction of lubricating. A. Schlageter. 2,184,961; Dec. 26.
Oils, Treating. D. L. Hooker and C. M. Fabian. 2,184,838; Dec. 26.
Oils, Treatment of hydrocarbon. V. Stapleton. 2,185,041; Dec. 26.
Ointment, Drying. R. Beutner. 2,184,575; Dec. 26.
Olefin polymers, Vapor phase hydrogenation of. J. D. Ruys and E. D. Pyzel. 2,184,930; Dec. 26.
Ophthalmic mounting. G. A. Ellestad. 2,184,417; Dec. 26.
Ophthalmic mounting. C. J. Laurer and S. Markell. 2,184,427; Dec. 26.
Optical apparatus. O. A. Ross. 2,184,816; Dec. 26.
Optical device. W. Günther. 2,184,615; Dec. 26.
Ores to metal, Beneficiating or reducing. F. Hodson and P. A. Hirsch. 2,184,300; Dec. 26.
Organic composition of high chlorine content. I. E. Muskat and A. G. Chenicek. 2,184,886; Dec. 26.
Orienting device. A. G. H. Straatman and D. P. Rees. 2,184,931; Dec. 26.
Oscillator, Mercury arc. C. W. Hansell. 2,184,740; Dec. 26.
Otoscope. A. F. Dittmer. 2,184,414; Dec. 26.
Outlet control valve. G. W. Whitehurst. 2,185,108; Dec. 26.
Oxide, Stabilized cuprous. L. C. Hurd. 2,184,617; Dec. 26.
Package-binder cutter. H. C. Lau. 2,184,960; Dec. 26.
Packing element. C. S. Crickmer and R. A. Lamb. 2,184,634; Dec. 26.
Packing machine for containers and the like. A. Sowden. 2,184,474; Dec. 26.
Paint. F. A. Strauss. 2,184,324; Dec. 26.
Paper, Manufacture of. L. L. Larson. 2,184,307; Dec. 26.
Paper, Manufacture of. W. J. Merrill. 2,184,312; Dec. 26.
Paraffin removing device. J. C. Luccous. 2,184,393; Dec. 26.
Pavement joint cleaning. S. W. Daugherty. 2,185,052; Dec. 26.
Peach pitting machine. L. H. Millen. 2,185,090; Dec. 26.
Pen, Fountain. E. G. Pearson. 2,184,432; Dec. 26.
Pencil, Mechanical. L. J. Most. 2,184,527–9; Dec. 26.
Pencil, Mechanical. L. J. Most. 2,184,863–4; Dec. 26.
Pencil, Pressure feed. K. Fend. 2,184,911; Dec. 26.
Perforator. C. I. Wagner. 2,185,005; Dec. 26.

Perfume compositions and making the same. W. C. Meuly. 2,184,526; Dec. 26.
Phonograph. H. F. M. Gramann. 2,184,914; Dec. 26.
Photograph identification. N. Champion. 2,184,832; Dec. 26.
Photographic and printing media. C. Dangelmajer. 2,184,288–9; Dec. 26.
Photographic and printing media. F. M. Meigs. 2,184,311; Dec. 26.
Photographic and printing media. F. M. Meigs and C. Dangelmajer. 2,184,310; Dec. 26.
Photographic color-forming developer and emulsion. A. B. Jennings and E. B. Middleton. 2,184,303; Dec. 26.
Photographic reproduction. A. Jenny, N. Budiloff, H. Becker, and K. Anton. 2,184,599; Dec. 26.
Picture apparatus, Sound. J. S. Pesce. 2,184,565; Dec. 26.
Picture apparatus, Stereoscopic moving. V. Glanz. 2,184,641; Dec. 26.
Pigment chip composition. D. R. Wiggam. 2,184,539; Dec. 26.
Pigment compositions, Preparation of. S. S. Cole. 2,184,938; Dec. 26.
Pin: *See*—
Clip pin.
Pipe welding and heat-treating process and means. H. B. Smith and G. A. Dolan. 2,184,534; Dec. 26.
Piston expander. W. H. Dillow. 2,184,489; Dec. 26.
Pistons, Apparatus for treating. H. M. Olson. 2,184,680; Dec. 26.
Pivot member for swinging doors, Adjustable. E. R. Schroeder. 2,184,532; Dec. 26.
Planer. A. Trosch. 2,184,608; Dec. 26.
Plastic, Vegetable tanned leather. W. C. Pierson. 2,184,467; Dec. 26.
Plow. A. A. Scarlett. 2,184,438; Dec. 26.
Plow. C. G. Strandlund. 2,184,403; Dec. 26.
Plow, Harrow. A. C. Lindgren and A. D. Gallagher. 2,184,428; Dec. 26.
Plug: *See*—
Nonspill vent plug.
Polarizing structure. H. Sauer. 2,185,018; Dec. 26.
Polyhydroxy-fuchsone derivatives by means of aliphatic groups, Production of. Z. Földi. 2,184,491; Dec. 26.
Polymerization with boron fluoride. A. H. Gleason and R. Rosen. 2,184,957; Dec. 26.
Position by radio beacons, Determining. E. Kramar. 2,184,843; Dec. 26.
Potatoes and root crops, Dehydrating comminuted. K. Maus. 2,185,129; Dec. 26.
Powders, Apparatus for agitating finely divided. H. W. Price. 2,185,158; Dec. 26.
Power plant. A. M. Wolf. 2,185,165; Dec. 26.
Power transmission. R. V. Morse. 2,184,395; Dec. 26.
Power transmission, Hydraulic. D. S. de Lavaud. 2,184,606; Dec. 26.
Power transmission mechanism. H. Sinclair and R. C. Clerk. 2,184,533; Dec. 26.
Press: *See*—
Hand press. Printing press.
Hydraulic press.
Press. R. B. Treer. 2,185,096; Dec. 26.
Presser foot. W. W. Ray. 2,184,604; Dec. 26.
Pressure recorder. C. W. Savitz. 2,184,689; Dec. 26.
Pressurestat. J. E. Browning. 2,184,773; Dec. 26.
Print drying apparatus. G. M. Dye. 2,184,663; Dec. 26.
Printed surfaces and articles formed thereby, Coating. R. E. Coleman. 2,185,125; Dec. 26.
Printing assistant. C. Graenacher and M. Matter. 2,184,495; Dec. 26.
Printing block, Vat. M. L. Crossley and L. D. Lytle. 2,185,143; Dec. 26.
Printing press. A. Stobb. 2,184,725; Dec. 26.
Printing telegraph system, Start-stop. L. W. Howle. 2,184,916; Dec. 26.
Projectile, Explosive. F. Milavec. 2,184,802; Dec. 26.
Projector. A. F. Dittmer. 2,184,415; Dec. 26.
Protector for knives, Hand. H. Antony. 2,184,902; Dec. 26.
Pruning implement. H. B. Bernay. 2,184,332; Dec. 26.
Pulley, Belt. W. B. Collier. 2,184,545; Dec. 26.
Pulverizing, combustion, and heat transfer plant. W. G. Noack. 2,184,845; Dec. 26.
Pump: *See*—
Fuel injection pump. Rotary pump.
Fuel pump. Speed governing pump.
Gasoline, water, or other fluid pump.
Pump. E. D. Hale. 2,184,496; Dec. 26.
Pump. H. E. La Bour. 2,184,349; Dec. 26.
Pump. A. N. Phillips, Jr. 2,184,897; Dec. 26.
Punching bag. J. P. Hayes. 2,184,453; Dec. 26.
Rack: *See*—
Boat lifting rack. Support rack.
Rack and lighting fixture, Combination baggage. A. T. Hagerty and C. M. Verhagen. 2,185,078; Dec. 26.
Radiator. F. M. Young. 2,184,658; Dec. 26.
Radio antenna. H. (Heinie) L. Johnson. 2,184,997; Dec. 26.
Radio direction finder. G. G. Kruesi. 2,184,306; Dec. 26.
Radio tuning device. R. Villem and H. Goudet. 2,184,965; Dec. 26.
Rail wetting device for railroads. G. A. Allen. 2,184,969; Dec. 26.
Receiving device for castings. W. F. Eppensteiner. 2,184,519; Dec. 26.
Receptacle: *See*—
Combined switch and plug receptacle.
Receptacle for the utensils required when playing cards, especially bridge. H. König. 2,184,917; Dec. 26.
Record blank. H. E. Hofmann. 2,184,524; Dec. 26.
Record resurfacing machine, Phonograph. C. Huenlich. 2,184,368–9; Dec. 26.
Record resurfacing machine, Phonograph. C. T. Jacobs and L. Z. La Forest. 2,184,370; Dec. 26.
Record shaving machine, Phonograph. C. Huenlich. 2,184,366–7; Dec. 26.
Record shaving machine, Phonograph. R. M. Somers. 2,184,365; Dec. 26.
Recording instrument. R. M. Rowell. 2,185,038; Dec. 26.
Rectifier for absorption refrigerators. C. C. Coons. 2,184,991; Dec. 26.
Rectifier tube. J. Bruijnes, D. M. Duinker, and J. G. W. Mulder. 2,184,709; Dec. 26.
Rectifiers, Arrangement for controlling. W. Leukert. 2,184,309; Dec. 26.
Reducing valve. F. T. Harrington. 2,184,670; Dec. 26.
Reel: *See*—
Wire-transport reel.
Reeling mechanism. J. Jonassen. 2,184,744; Dec. 26.
Reentrant clip. P. Zalkind. 2,184,829; Dec. 26.
Refrigerating apparatus. R. R. Candor. 2,185,022; Dec. 26.
Refrigerating apparatus. E. P. Codling. 2,184,285; Dec. 26.
Refrigerating apparatus. L. W. Melcher. 2,185,033–4; Dec. 26.
Refrigerating device. C. T. Sorensen. 2,184,322; Dec. 26.
Refrigeration. C. C. Coons. 2,184,993; Dec. 26.
Refrigeration. H. M. Ulistrand. 2,184,726; Dec. 26.
Refrigeration and absorbent therefor. H. F. Smith and C. E. Waring. 2,185,040; Dec. 26.
Refrigeration control. F. P. Peiserich and C. F. Bielenberg. 2,185,107; Dec. 26.
Refrigeration system, Absorption. C. C. Coons. 2,184,902; Dec. 26.
Refrigerator car. C. E. Crede. 2,184,810; Dec. 26.
Refrigerator car. V. E. Sisson. 2,184,819; Dec. 26.
Regulating mechanism. J. Morkoski. 2,184,431; Dec. 26.
Regulating system. L. W. Thompson. 2,184,371; Dec. 26.
Regulator: *See*—
Amplifier and tone regulator. Damper regulator.
Resin sheets containing an alkyl phthalyl ethyl glycollate, Polyvinyl acetal. N. S. Kocher and H. B. Smith. 2,184,426; Dec. 26.
Resin sheets containing tetrahydrofurfuryl succinate, Polyvinyl acetal. H. B. Smith. 2,184,445; Dec. 26.
Resin sheets containing triamyl phosphate, Polyvinyl acetal. H. B. Smith. 2,184,442; Dec. 26.
Resin sheets containing tributyrin, Polyvinyl acetal. B. E. Gramkee. 2,184,423; Dec. 26.
Resin sheets containing triethyl citrate, Polyvinyl acetal. H. B. Smith and D. R. Swan. 2,184,444; Dec. 26.
Resin sheets containing triethylene glycol diacetate, Polyvinyl acetal. H. B. Smith. 2,184,443; Dec. 26.
Resinous product and making the same. A. Haroldson. 2,185,080; Dec. 26.
Resins, Producing olefin-sulphur dioxide. F. E. Frey and R. D. Snow. 2,184,295; Dec. 26.
Resistor and making it. G. L. Pearson. 2,184,847; Dec. 26.
Retardation controller. C. C. Farmer. 2,184,550; Dec. 26.
Right and left hand wrench, Dual reversible. E. A. Pack. 2,185,002; Dec. 26.
Ring: *See*—
Finger ring.
Road machine. C. G. Fuller. 2,184,913; Dec. 26.
Rod and hard overlay deposited therefrom, Welding. J. T. Eash and T. J. Wood. 2,184,518; Dec. 26.
Rod for car couplers, Operating. V. E. Sisson. 2,184,818; Dec. 26.
Roll for winding and like machines, Traversing. E. F. Parks. 2,184,723; Dec. 26.
Roller mill. G. Jack. 2,185,150; Dec. 26.
Rooms, System for ventilating. G. Bojner. 2,184,484; Dec. 26.
Rope center, Wire. F. R. Metcalf. 2,184,502; Dec. 26.
Rotary pump. H. R. Paliner. 2,184,753; Dec. 26.
Rubber composition, Plasticized synthetic. P. J. Wiezevich. 2,184,966; Dec. 26.
Rubber, Preservation of. W. Baird and M. Jones. 2,184,512; Dec. 26.
Rug and making same, Flexible smooth surface. F. M. Allen. 2,184,970–1; Dec. 26.
Rustproofing composition. J. C. Zimmer. 2,184,952; Dec. 26.
Safety device. W. R. Hickey. 2,184,497; Dec. 26.
Safety hook. N. A. Hendrix. 2,184,812; Dec. 26.
Safety hook. J. H. Priest. 2,185,092; Dec. 26.
Safety strip. V. Vostrez. 2,185,020; Dec. 26.

Sash and store front construction. P. E. Attick. 2,184,659; Dec. 26.
Sash fastener. C. W. Jorgensen. 2,184,674; Dec. 26.
Saw, Composing room. F. W. Seybold. 2,184,898; Dec. 26.
Saw construction, Chain. A. W. Mall. 2,184,461; Dec. 26.
Scaffold. H. J. Kruse. 2,184,457; Dec. 26.
Scanning apparatus. F. L. Wurzburg, Jr. 2,185,139; Dec. 26.
Scanning apparatus, Electrooptical. H. E. Ives. 2,184,525; Dec. 26.
Scavenging the cylinders of double-bore cylinder combustion engines. A. Portmann. 2,184,603; Dec. 26.
Scintillating sign. W. G. McIlvanie. 2,184,721; Dec. 26.
Scissors. A. A. Crompton. 2,184,909; Dec. 26.
Seat: *See*—
Toilet seat.
Seat. C. H. Menge. 2,185,036; Dec. 26.
Seeder. G. E. Bellamy and M. C. Jett. 2,185,021; Dec. 26.
Seismic surveying. J. E. Owen. 2,184,313; Dec. 26.
Sensitizing coating machine. G. C. Beidler. 2,185,049; Dec. 26.
Separable fastener, Locking. L. Roseman. 2,184,650; Dec. 26.
Serial mounting. E. C. Cork and J. L. Pawsey. 2,184,940; Dec. 26.
Servomotor, Self-centering. W. Ernst. 2,184,665; Dec. 26.
Sewing machines, Thread controlling device for. J. R. Nunn. 2,184,929; Dec. 26.
Shaving device. J. Samotey. 2,184,757; Dec. 26.
Shaving device. L. D. Strong. 2,185,042; Dec. 26.
Sheet feeder. G. Goebel and S. A. Chantland. 2,184,296; Dec. 26.
Sheet material, Binding. E. A. Trussell. 2,185,004; Dec. 26.
Sheets, Manufacture of plastic. F. W. Jackman. 2,184,672; Dec. 26.
Shield, Weld splash. N. H. Green. 2,184,939; Dec. 26.
Shingle. O. C. Hall. 2,184,385; Dec. 26.
Shingle and roofing. H. F. Wildman. 2,184,328; Dec. 26.
Shingle making machine. A. G. Leonard, Jr. 2,184,619; Dec. 26.
Shingle, Roofing. R. L. Spain. 2,184,655; Dec. 26.
Ship propulsion system. C. T. Buff. 2,184,764; Dec. 26.
Shirt board. S. G. Allan. 2,184,374; Dec. 26.
Shock absorber. A. Gacioppo. 2,185,127; Dec. 26.
Shoe for driving piles. C. G. Cleesattel. 2,184,514; Dec. 26.
Shoe lace package. C. P. Berolzheimer. 2,185,100; Dec. 26.
Shoes, Method and apparatus for repairing. E. I. La Chapelle. 2,184,458; Dec. 26.
Shutter for motion picture machines. L. R. Cobb. 2,184,710; Dec. 26.
Sign: *See*—
Scintillating sign.
Signal device, Flood operated. C. M. Roberts. 2,184,605; Dec. 26.
Signal for air brakes, Warning. H. S. Fromhart. 2,184,715; Dec. 26.
Signal or clip. R. A. Stewart. 2,184,569; Dec. 26.
Signal transmission system. A. Wiessner. 2,184,826; Dec. 26.
Signaling system. W. T. Rea. 2,184,979; Dec. 26.
Silencer. R. B. Bourne. 2,184,891; Dec. 26.
Ski and making the same. T. K. Broome. 2,184,791; Dec. 26.
Slide fastener. H. E. Sipe. 2,184,625; Dec. 26.
Smelting furnace, High frequency. F. Hartmann. 2,184,741; Dec. 26.
Sodium tetraborate from borate ores, Recovering. P. Malozemoff, M. W. MacAfee, and M. W. Kirk. 2,184,558; Dec. 26.
Sound recording and reproducing. G. L. Dimmick. 2,184,547; Dec. 26.
Speed controlled brake. C. C. Farmer. 2,184,549; Dec. 26.
Speed governing pump. H. C. Edwards. 2,185,147; Dec. 26.
Spotlight. J. D. Blazier. 2,185,012; Dec. 26.
Spout, Can discharge. P. E. Clawson. 2,184,632; Dec. 12.
Spring catch release. G. A. Tinnerman. 2,185,161; Dec. 26.
Spring lead manufacture. H. E. Figgie and N. E. Hendrickson. 2,184,381; Dec. 26.
Spring system, Pneumatic. J. E. Johnson. 2,185,128; Dec. 26.
Sprinkler, Grass. F. M. Spurlock. 2,184,901; Dec. 26.
Squeezer device. B. L. Hill. 2,184,454; Dec. 26.
Stabilizing device. R. H. S. Hughes. 2,184,301; Dec. 26.
Stamping wheel. C. F. Adams. 2,184,510; Dec. 26.
Station selector system. G. Kiner. 2,184,387; Dec. 26.
Steel for musical instruments. H. E. Burglen. 2,184,733; Dec. 26.
Steel, High-speed tool. E. B. Welch and L. G. Firth. 2,185,006; Dec. 26.
Steering and lock assembly, Automobile. R. A. Sandberg. 2,184,652; Dec. 26.
Steering apparatus. B. Chance. 2,185,074; Dec. 26.
Step-by-step mechanism. C. A. Ropp. 2,184,946; Dec. 26.
Stepladder, trestle, and the like. W. Chew. 2,184,486; Dec. 26.
Stocking, Producing a. J. K. Cobert. 2,184,937; Dec. 26.
Stretcher, Wire. L. C. Burner. 2,184,379; Dec. 26.
Striper. R. C. Miller. 2,184,602; Dec. 26.
Strut, Shock. K. W. Warren. 2,184,327; Dec. 26.
Stylus for facsimile recorders. W. G. H. Finch. 2,184,973; Dec. 26.
Suction cleaner. R. M. Reed. 2,184,433; Dec. 26.
Suction cleaner. W. D. Sellers. 2,184,401; Dec. 26.
Suction cleaner. D. G. Smellie and W. C. Eberly. 2,184,441; Dec. 26.
Suction cleaner. E. L. Snyder. 2,184,446; Dec. 26.
Suction cleaner. C. G. Troxler. 2,184,406; Dec. 26.
Sulphonic derivatives. M. B. Katzman. 2,184,770; Dec. 26.
Supercharger construction and utilization. J. H. Kowitt. 2,184,918; Dec. 26.
Superheater, Firebox. V. W. Smith and H. M. Wolf. 2,184,626; Dec. 26.
Support rack. N. M. Twomey. 2,184,536; Dec. 26.
Surface finishing. W. H. Foster and L. D. Tyson. 2,184,640; Dec. 26.
Surveying instrument. A. Langsner. 2,184,351; Dec. 26.
Sweeper, Carpet. C. C. Parrish. 2,184,623; Dec. 26.
Sweeper, Carpet. C. M. Youart. 2,184,609; Dec. 26.
Switch: *See*—
Bumper switch. Keyless ignition switch.
Electric motor switch. Thermostatic switch.
Electric switch.
Switch. Cobbett, L. 2,184,611; Dec. 26.
Switch. E. H. Little. 2,184,780; Dec. 26.
Switch and control system, Time. T. A. Solberg. 2,184,724; Dec. 26.
Switch controlling apparatus, Railway track. G. R. Pflasterer. 2,184,566; Dec. 26.
Switch operating mechanism, Railway. H. L. Bone and K. J. J. McGowan. 2,184,870; Dec. 26.
Table: *See*—
Massage table.
Table. J. V. Findley. 2,184,695; Dec. 26.
Table. T. E. McFall. 2,184,976; Dec. 26.
Table. P. M. McKay. 2,184,677; Dec. 26.
Table and operating means therefor, Folding. E. F. Knowles. 2,184,500; Dec. 26.
Tackle, Fishing. R. F. Schmaltz. 2,185,065; Dec. 6.
Tag. C. A. Flood. 2,184,777; Dec. 26.
Tank and insulating means therefor. R. F. Goecke. 2,185,026; Dec. 26.
Tanning agents, Manufacture of. G. Mauthe and H. Noerr. 2,184,622; Dec. 26.
Taper forming machine. C. A. Bickel. 2,184,377; Dec. 26.
Telegraph system. R. Helmert. 2,184,836; Dec. 26.
Telegraphy, Carrier current. H. Nyquist. 2,184,978; Dec. 26.
Telemeter transmitter. R. G. Jewell. 2,184,347; Dec. 26.
Telemetric system for angle transmission. E. E. Libman and M. A. Edwards. 2,184,355; Dec. 26.
Telephone ringing system. J. Campbell, Jr. 2,184,907. Dec. 26.
Telephone system. J. B. Newsom. 2,184,844; Dec. 26.
Telescope. A. Langsner. 2,184,352; Dec. 26.
Temperature control apparatus. H. Heller. 2,185,104; Dec. 26.
Temperature control device. W. J. Ettinger. 2,184,339; Dec. 26.
Temperature control system. C. B. Spangenberg. 2,184,703; Dec. 26.
Temperatures, Apparatus for the reproduction, regulation, and control of. W. E. Stone. 2,184,859; Dec. 26.
Textile and other materials, Treatment of. A. Mellor, G. Bingham, and W. Pool. 2,184,559; Dec. 26.
Textiles, Ornamenting. F. Hefti. 2,184,593; Dec. 26.
Thermostatic switch. E. C. Horton. 2,184,699; Dec. 26.
Thimble. E. W. Ost and H. E. Sawyer. 2,184,466; Dec. 26.
Thiophenols from alkyl phenols, Separation of. D. B. Luten, Jr., and S. B. Thomas. 2,184,928; Dec. 26.
Thread guide mechanism. L. E. Lovett. 2,184,390; Dec. 26.
Tile cutting machine. L. D. Mariutto. 2,184,894; Dec. 26.
Time lines recording apparatus. A. B. Bryan. 2,184,953; Dec. 26.
Tire. J. H. Thomas. 2,184,326; Dec. 26.
Tire, Pneumatic. H. T. Kraft. 2,184,927; Dec. 26.
Titanium ores, Treatment of. I. E. Muskat and R. H. Taylor. 2,184,884–5; Dec. 26.
Tobacco preparation, Cigarette. R. E. Rundell. 2,184,567; Dec. 26.
Tobacco, Redrying of. J. M. Baer. 2,184,275; Dec. 26.
Toilet appliance. G. E. McLoughlin. 2,184,722; Dec. 26.
Toilet seat. H. W. Romanoff. 2,185,169; Dec. 26.
Tool: *See*—
Hand tool.
Tool for applying split clamping rings to containers. H. A. Eggerss. 2,184,921; Dec. 26.
Tools, Manufacturing cutting. W. P. Cottrell. 2,184,776; Dec. 26.
Tooth brush, Mechanical. M. Schloss. 2,184,850; Dec. 26.
Toy. M. P. Exline. 2,184,639; Dec. 26.

Toy. A. Lapointe. 2,184,459; Dec. 26.
Toy archer. D. N. Orlando and J. W. Huber. 2,185,091; Dec. 26.
Traffic controlling system for railroads, Centralized. W. D. Hailes. 2,184,696; Dec. 26.
Trailbuilder, bulldozer, and the like. C. Le Bleu. 2,184,688; Dec. 26.
Train, Articulated. E. L. Groff. 2,184,298; Dec. 26.
Train described system. H. D. Brooks and A. A. Roberts. 2,184,544; Dec. 26.
Train describer system. R. M. Phinney. 2,184,702; Dec. 26.
Transfer mechanism. J. F. O'Brien. 2,184,752; Dec. 26.
Transfer mechanism for counting and computing mechanism. J. Fraser. 2,184,420; Dec. 26.
Transformer, High leakage reactance. J. A. Comstock. 2,184,581; Dec. 26.
Transmission. J. Maroto. 2,184,941; Dec. 26.
Transmitters, Radio and other high frequency telegraph. D. F. George. 2,184,382; Dec. 26.
Trap release. C. C. Loomis. 2,184,389; Dec. 26
Traveling cleaner. W. B. Hodge. 2,184,880; Dec. 26.
Tray, Ice. H. D. Geyer. 2,184,797; Dec. 26.
Tray release, Freezing. J. H. Dennedy. 2,184,662; Dec. 26.
Tricresyl phosphate used for the extraction of phenols, Purification of. H. Havemann and K. Smeykal. 2,184,697; Dec. 26.
Trimmer, Lettuce. N. H. Schneider. 2,184,889; Dec. 26, 1939.
Truck, Railway. A. H. Pagenkemper. 2,184,648; Dec. 26.
Tube: *See*—
Braun tube. Cathode ray tube. Cold cathode electron discharge tube. Electric discharge tube. Electronic tube. Forcer tube. Luminescent tube. Rectifier tube.
Tubes, Manufacture of steel or alloy. H. W. Hudson. 2,184,498; Dec. 26.
Tubes, Manufacture of steel or alloy. F. C. Raab and E. C. Wright. 2,184,624; Dec. 26.
Turbine, Elastic fluid. O. D. H. Bentley. 2,184,661; Dec. 26.
Turning device for cutter sleeves of doughnut machines. J. Wackler. 2,184,825; Dec. 26.
2-methyl-5-chlor-methyl-6-amino pyrimidine hydrochloride, Preparing. G. A. Stein. 2,184,964; Dec. 26.
Typewriting machine. W. A. Dobson. 2,184,735–6; Dec. 26.
Typewriting machine. W. F. Helmond. 2,184,742; Dec. 26.
Typewriting machine. A. G. F. Kurowski. 2,184,746; Dec. 26.
Typewriting machine. L. K. Seagrave. 2,185,137; Dec. 26.
Underground valve. F. R. Coster. 2,184,516; Dec. 26.
Universal valve. R. Clade. 2,184,513; Dec. 26.
Upholstery forming machine. C. W. Avery. 2,184,660; Dec. 26.
Vacuum cleaner. C. A. Brewer. 2,184,731–2; Dec. 26.
Valve: *See*—
Dispensing valve. Flow valve. Outlet control valve. Reducing valve. Underground valve. Universal valve.
Valve. H. J. M. Burdick. 2,185,016; Dec. 26.
Valve. J. A. Dickinson. 2,184,892; Dec. 26.
Valve device, Pressure fluid control. A. D. Della Chiesa and L. P. Froehlich. 2,184,413; Dec. 26.
Valve for engine temperature control. H. B. Drapeau. 2,184,291; Dec. 26.
Valve for liquid pressure control systems, Controlling. E. C. S. Clench. 2,184,793; Dec. 26.
Valve manifold for tank trucks, Selective. L. L. Meyers. 2,185,061; Dec. 26.
Valve mechanism, Water closet. H. A. Dellachiesa. 2,184,584; Dec. 26.
Vanity case. O. Hallbauer. 2,185,149; Dec. 26.
Vaporizer, Electric blending. E. Hodaly. 2,184,872; Dec. 26.
Variable load brake. E. E. Hewitt. 2,184,551; Dec. 26.
Vehicle body construction. A. E. Northrup. 2,184,804; Dec. 26.
Vehicle braking means. R. B. Stoddard. 2,185,003; Dec. 26.
Vehicle coachwork, Motor. V. Valletta. 2,184,537; Dec. 26.
Vehicle construction. W. W. Farr. 2,184,614; Dec. 26.
Vehicle construction, Tank. E. J. Lockwood. 2,185,030; Dec. 26.
Vehicle suspension. R. W. Brown. 2,184,933; Dec. 26.
Veneer machine. L. F. Koss, Jr. 2,184,862; Dec. 26.
Vent and filling means for storage battery cells. E. Graf. 2,185,102; Dec. 26.
Vibration absorbing composition and structure embodying the same. H. M. Austin and J. A. Muir. 2,184,482; Dec. 26.
Visor attachment. L. P. Nichols. 2,184,360; Dec. 26.
Vitamin B and its analogous substancs, Preparation of. T. Matukawa and M. Ohta. 2,184,720; Dec. 26.
Vitamin preparation and preparing same. R. F. Light and C. N. Frey. 2,184,748; Dec. 26.
Vulcanizer, Portable belt. A. N. Alexander. 2,184,630; Dec. 26.
Walking-beam and counterbalance construction. W. E. Saxe. 2,184,436; Dec. 26.
Walking beam bearing. W. E. Saxe. 2,184,435; Dec. 26.
Wall construction. M. L. Leary. 2,184,353; Dec. 26.
Wall construction, Masonry. J. T. Sentrop. 2,184,682; Dec. 26.
Wall, Retaining. A. Henderson. 2,184,974; Dec. 26.
Wall slab. M. Myers. 2,184,464; Dec. 26.
Washing machine. G. A. Williams and H. Brecknock. 2,185,109; Dec. 26.
Waste disposal apparatus. J. H. Powers. 2,185,037; Dec. 26.
Waste grab preventer. A. G. Kenyon. 2,184,554; Dec. 26.
Water leakages into wells, Method of and apparatus for locating. G. H. Ennis. 2,184,338; Dec. 26.
Water treatment apparatus. W. H. Hinsch. 2,184,346; Dec. 26.
Water vapor by and supply to gas producers, Controlling the production of. A. L. Galusha. 2,185,077; Dec. 26.
Wax composition. F. H. MacLaren and E. W. Adams. 2,185,031; Dec. 26.
Waxes and preparing the same, Opaque. V. Voorhees. 2,185,046; Dec. 26.
Weather strip and drain, Combined window. P. C. Johnson and E. C. De Smet. 2,184,553; Dec. 26.
Web cut off. H. B. Greenwood. 2,184,522; Dec. 26.
Weeder. H. Woodruff. 2,184,968; Dec. 26.
Weighing device, Portable. J. P. Chamberlain. 2,185,073; Dec. 26.
Weight, Rod line. J. P. Ratigan. 2,184,874; Dec. 26.
Welder, Dual current condenser. G. W. Watson. 2,184,627; Dec. 26.
Welding apparatus. G. W. Watson and E. C. Brannas. 2,184,628; Dec. 26.
Welding tip. M. J. Wall and M. R. Scott. 2,184,479; Dec. 26.
Well flow stimulator. G. R. Brammer. 2,184,809; Dec. 26.
Well flowing device. C. S. Crickmer and H. C. Glitsch. 2,184,636; Dec. 26.
Wheel: *See*—
Automobile steering wheel. Stamping wheel.
Wheel assembly, Balanced. J. A. Purvis. 2,185,017; Dec. 26.
Wheel rim and spoke construction, Steering. H. A. Husted. 2,184,800; Dec. 26.
Wicking, Fiber glass. E. B. Shand. 2,184,899; Dec. 26.
Windshield cleaner. E. C. Horton. 2,184,700; Dec. 26.
Windshield, Plumb bob. R. G. Danley. 2,184,505; Dec. 26.
Wire-transport reel. L. F. Fyles. 2,184,739; Dec. 26.
Wood carving machine. G. A. Anderson. 2,185,011; Dec. 26.
Wrench: *See*—
Right and left hand wrench.
Wrench. C. A. Graham. 2,185,058; Dec. 26.
Wrench and slide feeler gauge, Combination. D. E. Ferlin. 2,184,340; Dec. 26.
Writing instrument. J. J. Devine. 2,184,585; Dec. 26.
X-ray apparatus. F. Scholz. 2,184,962; Dec. 26.
Yarn, Apparatus for winding. J. W. Brucker. 2,184,334; Dec. 26.
Zein coating composition, Substantially nongelling. R. E. Coleman. 2,185,118; Dec. 15.
Zein solution and coating composition. R. E. Coleman. 2,185,110–17; Dec. 26.
Zein solutions with auxiliary solvents, Producing stable. R. E. Coleman. 2,185,123; Dec. 26.
Zirconium magnetic alloy. P. P. Alexander. 2,184,769; Dec. 26.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 26, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Adjudicated Patents

(D. C. Va.) Lower patent, No. 1,373,748, for screw conveyer, claims 1 and 2 *Held* invalid, and not infringed even if valid. *Standard Stoker Co.* v. *Berkley Mach. Works & Foundry Co.*, 29 F. Supp. 349.

(D. C. Va.) Lower patent, No. 1,455,058, for locomotive stoker, claims 1, 4, and 7 *Held* valid but not infringed; and claims 2, 3, 5, 6, 8, and 9 *Held* invalid, and not infringed even if valid. *Id.*

(D. C. N. Y.) Harrison and Waterbury patent, No. 1,536,844, for lighting unit, claims 1 and 3 *Held* valid and infringed. *Miller Co.* v. *Bright Light Reflector Co.*, 29 F. Supp. 334.

(D. C. Va.) Lower and Chalker patent, No. 1,642,076, for distributor tube for stokers, claims 1 to 13 *Held* invalid and not infringed. *Standard Stoker Co.* v. *Berkley Mach. Works & Foundry Co.*, 29 F. Supp. 349.

(D. C. Calif.) Delaney patent, No. 1,660,745, for acoustic building material, claim 1 *Held* valid but not infringed. *Delaney Patents Corporation* v. *Johns-Manville*, 29 F. Supp. 431.

(C. C. A. Pa.) Lewis patent, No. 1,680,421, for fractional distillation, claims 1 and 2 *Held* invalid. *Atlantic Refining Co.* v. *James B. Berry Sons*, 106 F.(2d) 644.

(D. C. Va.) Hunt patent, No. 1,690,116, for stoker construction, claims 1 to 5 *Held* invalid, and not infringed even if valid. *Standard Stoker Co.* v. *Berkley Mach. Works & Foundry Co.*, 29 F. Supp. 349.

(D. C. Va.) Hunt patent, No. 1,724,593, for stoker conveyer, claim 14 *Held* valid and infringed, and claims 1 to 13 *Held* invalid, and not infringed even if valid. *Id.*

(C. C. A. Pa.) Atkinson patent, No. 1,792,058, for method of making colored granules and the article made thereby, claims 8 and 9 *Held* invalid. *R. J. Funkhouser & Co.* v. *Fiske & Co.*, 106 F.(2d) 679.

(D. C. Pa.) Sinden patent, No. 1,869,517, for mushroom spawn and method of making same, *Held* valid, and claims 2, 4, and 5 *Held* infringed. *Pennsylvania Research Corporation* v. *Lescarboura Spawn Co.*, 29 F. Supp. 340.

(D. C. Ohio.) Martin patent, No. 2,047,378, for motor vehicle exhaust pipe extension, *Held* invalid, but if valid, *Held* not infringed. *Bellevue Mfg. Co.* v. *Western Auto Supply Co.*, 29 F. Supp. 383.

(C. C. A. N. J.) Poppe reissue patent, No. 19,921, for paper bag and process and machine for making same, claims 2, 3, and 4 *Held* not infringed. *John Waldron Corporation* v. *Equitable Paper Bag Co.*, 106 F.(2d) 724.

(D. C. N. Y.) Putman design patent, No. 96,501, for design for a buckle, *Held* invalid. *Putman* v. *Carmel*, 29 F. Supp. 329.

(D. C. N. Y.) Putman design patent, No. 96,999, for design for a buckle, *Held* invalid. *Id.*

(D. C. N. Y.) Putman design patent, No. 97,742, for design for a buckle, *Held* invalid. *Id.*

Fixing Shortened Time for Response to Office Actions

(Order No. 3494)

U. S. Patent Office, *Washington, D. C., Nov. 17, 1939.*

Public Act No. 341 approved by the President August 7, 1939, grants the Commissioner authority to fix, at less than six months, the time within which response must be made to office actions.

Changes in the Rules of Practice in accordance with the change in the law have been promulgated by Order No. 3487, 507 O. G. 239.

This authority shall not be exercised in an indiscriminate manner; only in particular cases or in special classes of cases shall the time for response be fixed at less than six months.

In setting a time for response to an office action, the date on which the shortened period ends must be specified. Before being mailed, the letter must be forwarded to the Commissioner for his approval of the requirement for a prompt response.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business November 18, 1939

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 46,344; Trade-Mark Division, 1,485. Oldest new case, April 8, 1939; oldest amended, April 19, 1939.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application awaiting office action: New	Oldest amended application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 20	June 26	623
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 26	May 6	793
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 18	Sept. 19	393
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 1	June 7	576
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 19	Aug. 21	482
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	May 20	May 29	936
5725	7. JARBOE, C. G., Optics; Photography	July 11	July 8	953
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	May 22	May 23	1182
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	June 16	June 19	709
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 21	Aug. 12	566
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 28	Aug. 2	480
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	May 19	May 16	502
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 20	June 20	732
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 14	Sept. 9	386
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 6	June 5	1370
5716	16. SPENCER, C. J., Telegraphy; Telephony	June 16	June 19	755
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 14	July 4	746
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 1	June 2	527
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 10	June 3	485
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 3	July 7	415
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 12	July 24	531
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 15	May 17	1025
7624	23. BUTTNER, W. J., Registers (part)	Apr. 8	Apr. 20	311
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 8	Apr. 26	1380
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and comminutors.	Aug. 7	Aug. 2	594
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 22	June 23	554
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	May 3	Apr. 27	1117
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	July 5	June 14	447
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	May 31	May 31	849
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 19	June 22	850
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 26	July 20	900
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 2	July 21	387
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 24	July 13	961
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Sept. 14	Sept. 16	257
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 1	June 22	758
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 19	June 24	653
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 12	June 19	780
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Apr. 27	Apr. 29	889
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 18	July 19	620
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	May 10	May 10	1957
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	July 11	June 8	279
5882	42. CUTTING, H. O., Electric Signaling	May 3	Apr. 19	[illegible]
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 11	July 18	[illegible]
4087B	44. HARVEY, L. P., Refrigeration	June 23	June 17	710
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 26	July 11	544
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	June 24	June 28	739
6082	47. LOWE, E. R., Clutches; Brakes	July 18	July 25	544
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 18	July 18	487
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	May 15	May 8	1059
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	June 14	June 16	1352
5628	51. BACKUS, C. D., Radiant Energy (part)	Aug 31	Aug.	878
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 26	July	[illegible]
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 21	Aug	[illegible]
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	July 29	Aug.	[illegible]
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 26	June	[illegible]
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 25	May	[illegible]
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 28	June	[illegible]
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	June 8	Aug.	[illegible]
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 28	June	[illegible]
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 17	July 17	421
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making, Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 21	June 27	626
5621	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 2	Aug. 28	420
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 2	May 26	986
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Aug. 4	Aug. 4	754
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 8	May 3	563
99B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	Oct. 19	Oct. 26	1896
	{Labels and Prints	Nov. 1	Nov. 1	89
2605	DESIGNS: H. H. KALUPY	Oct. 6	Oct. 28	702

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

RAVA *v.* CHARLTON

No. 4,150. Decided June 26, 1939

[104 F.(2d) 798]

1. INTERFERENCE—EVIDENCE THAT INVENTION WAS MADE BY ANOTHER IS IMPERTINENT.

As between the parties to an interference it cannot be urged that a third person made the invention and evidence to such effect is impertinent to the issue involved in the interference.

2. SAME—INTERPRETATION OF COUNTS.

"In interference proceedings like this, counts must be given the broadest interpretation they will reasonably permit and in case of ambiguity it is proper, when the same requires interpretation, to consider the application in which the counts originated, but limitations in counts may not be ignored nor may they be read into the counts in this character of proceeding."

3. SAME—PRIORITY.

Evidence reviewed and *Held* that the junior party C reduced the invention to practice prior to the filing date of the senior party R who took no testimony, and that priority was properly awarded to C.

APPEAL from Patent Office. Affirmed.

Mr. Frank M. Slough for Rava.

Mr. Charles McClair (*Mr. Chester L. Davis* and *Mr. Harry E. Dunham* of counsel) for Charlton.

BLAND, *J.:*

This is an appeal by the senior party Rava from the decision of the Board of Appeals of the United States Patent Office which reversed the decision of the Examiner of Interferences who had awarded priority of invention in the single count involved to Rava.

The count reads as follows:

The method of preparing electrical discharge devices having metal parts inclosed within an envelope which consists in *inductively heating said metal parts to remove the gases therefrom and later vaporizing a getter previously affixed to one of said metal parts in such a position to be substantially without the field of inductive effect employed in previously heating* the said metal parts which said metal parts *may be first inductively heated and said getter may be later inductively vaporized by the effect of a subsequently applied inductive field* displaced from the first said inductive field, removing the residual gas from said envelope and sealing said envelope. [Emphasis on limitations in controversy ours.]

The invention relates to a method of manufacturing vacuum tubes and particularly to the method of driving out occluded gases contained in the metal parts in the vacuum space. The ordinary vacuum tube, such as is used in radio, contains within the glass envelope a number of metal parts in which are found certain undesirable gases. Unless they are removed the efficiency of the tube is thereby affected. As will be observed from the count, the instant process consists of first inductively heating the metal parts to remove the gases therefrom and later vaporizing the getter previously affixed to one of the metal parts in such a position as to be substantially without the field of the first inductive heating.

After the parts are placed in the envelope, a vacuum pump is applied which removes much, but not all, of the gases which have been liberated from the metal by the inductive heating. It has long been known that by the use of a getter most of the remaining gases can be removed or rendered harmless. The getters used are chemically active metals such as caesium and magnesium which vaporize when flashed, which action takes place when less heat is applied than is required for the inductive heating to remove the gases from the metal. The temperature employed to remove the gases from the metal must be above the ordinary operating temperature of the electrodes, while the heat sufficient to flash the getter is less intense.

Getters were used in the prior art to remove the remaining gases, after the metals had been degassed, by placing the getter at some advantageous spot where it would not vaporize during the inductive heating of the metal parts. Tubes have been made by employing this principle in several different ways. For instance, the envelope might be extended at some point so as to keep the getter from being in contact with the metal parts during the heating operation. The invention at bar is said to be an improvement over the old art in that the placing of the getter substantially without the field of the inductive heating of the metal, and at the same time in a position as close to the metal to be inductively treated as is possible without flashing the getter in the inductive treatment, constitutes a method which is useful from a manufacturing standpoint in the production of this kind of tube.

According to the method here involved, it is proposed by Rava to place the getter on a loop mounted in a plane parallel to the plane of the lateral section of the plate. The loop is welded to the plate and is far enough removed from the metal parts (although connected therewith) to avoid the getter being intensely heated during the first inductive heating. It is obvious that the loop and the getter will be heated, to some extent, in the first heating operation, but it is desirable, according to both inventors, that the getter be so positioned that the inductive heating will drive all gases out of the metal without prematurely flashing the getter.

Charlton's method is employed upon a tube having such parts as an anode and a grid with supporting rods, and a capsule containing a getter of vaporizing material which capsule is secured either directly to the anode or on one side of it at a short distance from the anode. The walls of the capsule are said to protect the getter to some extent from the first heating. It is also argued by appellee that the metal plate provides a magnetic shadow which shields the getter and its support from the magnetic flux produced by the coil.

The count originated with Rava in his reissue application filed February 2, 1934, for a reissue of his Patent No. 1,676,049, issued July 3, 1928, on an application filed May 29, 1924. The interference was originally declared between said reissue application of Rava and a joint application of Charlton

and one Whelan, filed August 10, 1925. The interference was later reformed by the substitution of the sole application of Charlton filed November 1, 1934, for the said joint application.

Rava was confined to his filing date—May 29, 1924. Charlton took proof. He showed that prior to Rava's effective date he and his associates, working under him, in the research laboratory of the General Electric Company had made several tubes embodying the disclosure of the Charlton application.

Both tribunals concurred in finding that the record clearly showed that Charlton had built these structures and the question involved here is whether or not these tubes so built respond to the count involved. If they do, then the decision of the Board should be affirmed. The tubes so produced were not introduced in evidence, but sketches were made by witnesses when testifying as to the production of the tubes and these sketches are exhibits in the record.

Rava in his reasons of appeal questions the right of Charlton to make the claim corresponding to the count, but this is not seriously pressed for the obvious reason that no motion to dissolve on this ground was made during the motion period. The question was not properly before the Board and is not before us.

[1] Rava also seeks to raise the question that the record shows that another and not Charlton, in the laboratory of which Charlton was the head, conceived the involved invention. As between Charlton and Rava it cannot be urged that a third person made the invention and evidence to this effect is impertinent to the issue involved in this interference. *Croskey* v. *Atterbury*, 9 App. D. C. 207, 76 O. G. 163; *Derby et al.* v. *Whitworth*, 20 C. C. P. A. (Patents) 791, 62 F.(2d) 368, 429 O. G. 191; *Hoza* v. *Colby*, 25 C. C. P. A. (Patents) 1206, 97 F.(2d) 89, 497 O. G. 7; Underwood's Interference Practice, § 81 and cases cited; *Hess* v. *Dreyfuss* (Appeal No. 4119), 26 C. C. P. A. (Patents) —, 104 F.(2d) 801 (decided concurrently herewith). If a third party and not Charlton was the real inventor, this is a matter for the consideration of the Patent Office after the termination of this interference. *Foster* v. *Antisdel*, 14 App. D. C. 552.

So, the only issue presented which requires decision is whether or not the Board erred in holding that the count reads upon said early work of Charlton and this involves a determination of how the count should be construed. Rava urges that since the count originated with him it must be construed in the light of his application. The first point of contention is that the limitation—

> a getter previously affixed to one of said metal parts in such a position as to be substantially without the field of inductive effect employed in previously heating the said metal parts whereby said metal parts may be first inductively heated and said getter may be later inductively vaporized • • •

requires that there should be an independent heating first of the metal parts and second of the getter; in other words that there are to be two distinct, separate operations in which the second is not affected by the first. Rava wants an interpretation that would require a holding that during the first inductive heating the getter must be entirely away from the heating influence. The Examiner of Interferences agreed with this view but the Board held otherwise.

[2] An examination of Rava's application would suggest that he has greatly emphasized the feature of his method which permits less heating of the getter while heating the metal than that shown by Charlton. Unquestionably, Rava discloses a heating of the getter subsequent to the heating of the metal which is more independent of the first heating and in which there is less overlapping, than does Charlton. The difficulty with Rava's position is that the count does not call for independent heating and Rava may not claim broadly the invention which involves some overlapping of heat applied in the first part of the process and then for the purpose of avoiding an adverse priority award insist that limitations be read into the count. In interference proceedings like this, counts must be given the broadest interpretation they will reasonably permit and in case of ambiguity it is proper, when the same requires interpretation, to consider the application in which the counts originated, but limitations in counts may not be ignored nor may they be read into the counts in this character of proceeding. *Writer* v. *Kiwad*, 20 C. C. P. A. (Patents) 869, 63 F.(2d) 259, 431 O. G. 263; *Martin* v. *Chapman et al.* 21 C. C. P. A. (Patents) 1187, 71 F.(2d) 174, 448 O. G. 765.

The Charlton devices were so constructed that the capsule containing the getter was substantially without the field of inductive effect employed in the first heating operation. It was not entirely without the field; neither is Rava's getter entirely without the field. When Charlton constructed his tubes in controversy, which are relied upon to show priority of invention, he first applied the inductive heating by moving past the metal parts a high frequency coil which is traversed by high frequency alternating current. The electro-magnetic field of the coil set up heat currents in the pieces of metal in the field and most of the gases were first removed. It is true that this heating operation to some extent must have heated the capsule and the getter, but not enough to flash the getter. After the gases had been driven from the metal, the heating operation was applied to the capsule containing the getter and the getter was flashed. The important thing in the method, obviously, is to see that the getter, even though heated to some extent, does not flash until after the occluded gases in the metal have been liberated therefrom. The question of degree of the heating of the getter in the first operation, as long as the getter is not flashed, seems to be unimportant in the circumstances here involved. As before stated, both parties have some overlapping heat in the two operations.

[3] The count was very broadly drawn and we think the Board correctly concluded that the Examiner of Interferences erred in reading limitations into it in such a way as to make it not read upon Charlton's early work.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

GALENA MFG. CO. OF ILLINOIS (FORMERLY KNOWN AS GALENA AXLE GREASE CO.)

v.

SUPERIOR OIL WORKS

No. 4,215. Decided June 15, 1939

[104 F.(2d) 400]

1. TRADE-MARKS—APPEAL—JURISDICTION.

As to whether under the mandate of section 4911 R. S. it is the duty of the Commissioner or the court to pass upon the question of the dismissal of an appeal filed under section 4911 R. S. by a defeated registrant in a trade-mark cancellation proceeding where the petitioner for cancellation thereafter files a notice of election, in accordance with section 4911 R. S., to proceed under section 4915 R. S., *Held* that "the Commissioner had lost jurisdiction (except as is indicated by Rule XXV of this court) when the notice of appeal and reasons of appeal were filed, nor was his exercise of further jurisdiction in the premises analogous to the action of a court appealed from taking further steps in disposing of the issue involved. For the purpose of the application of the mandatory provisions of section 4911, an appeal had been taken and the Commissioner had lost jurisdiction to comply with the mandate of the statute which we think was meant to apply to this court which had acquired jurisdiction for the purpose of dismissal."

2. SAME—SAME—SAME.

Upon appeal from the decision of the Commissioner of Patents dismissing the appeal under section 4911 R. S. by the defeated registrant in a trade-mark cancellation proceeding at the request of the petitioner for cancellation who filed notice of election to have all further proceedings in the case conducted in accordance with section 4915 R. S., *Held* that "the Commissioner had no authority to dismiss said appeal and that all action taken subsequent thereto, as far as the issues here are concerned, became a nullity".

3. SAME—SAME—SAME.

Where the defeated registrant in a trade-mark cancellation proceeding appealed under section 4911 R. S. and the petitioner for cancellation thereafter filed a notice of election to proceed under section 4915 R. S., *Held* that the defeated registrant-appellant is authorized to proceed under section 4915 R. S. and that petitioner-appellee's election requires it to do so, and *Held* that the appeal must be dismissed.

APPEAL from Patent Office. Dismissed.

LENROOT, *J.*, concurring.

Mr. E. W. Shepard (*Mr. Henry M. Huxley* and *Mr. Ralph Munden* of counsel) for Galena Mfg. Co. of Ill. (formerly Galena Axle Grease Co.)

Mr. James Hamilton for Superior Oil Works.

BLAND, *J.*:

The questions involved here arise by virtue of two appeals by the Galena Manufacturing Company of Illinois (formerly the Galena Axle Grease Co.), hereinafter referred to as the Galena Company, from the Commissioner of Patents who affirmed the decision of the Examiner of Interferences for Trade-Marks sustaining petitions for cancellation of two trade-marks involving the word "Superior" which had been registered by the Galena Company.

The first appeal was taken by the Galena Company from the holding of the Commissioner of July 7, 1938. Pursuant to sections 4912 and 4913 of the Revised Statutes of the United States, the Galena Company on August 22 gave notice to the Commissioner of its appeal to this court and filed with him in writing its reasons for appeal. Shortly after that date the Galena Company filed with the Commissioner its praecipe for a transcript in connection with its said notice of appeal.

On September 10, the Superior Oil Works filed a paper with the Commissioner entitled its "Notice of Election and Petition Asking Dismissal of Appeal" under section 4911 of the Revised Statutes, in which notice election was made to have all further proceedings in the case conducted in accordance with section 4915 of the Revised Statutes and a request was made that the Commissioner dismiss the appeal of the Galena Company.

On September 13, the Commissioner issued an order dismissing the appeal.

On September 24, the Galena Company filed its petition with the Commissioner to vacate his order of dismissal, which petition the Commissioner denied on September 27. On account of his denial of the petition the Commissioner has not forwarded the transcript requested in the above-referred-to praecipe.

Within the statutory period for appeal from the Commissioner the Galena Company, on October 3, filed its notice of appeal to this court from the Commissioner's order of dismissal and from the Commissioner's decision of September 27 denying the petition that the order of September 13 be vacated. At about this time the Galena Company filed its praecipe for transcript relating to its second appeal and later filed a supplemental praecipe. On October 3, the Galena Company filed with the Commissioner a motion for extension of time for filing the petition of appeal and certified copy of the record in this court on the first appeal. The Commissioner promptly overruled said motion but stated that under certain circumstances the petitioner might renew its request for said extension of time.

On October 6, the Superior Oil Works filed with the Commissioner its motion for dismissal of appellant's second notice of appeal and for the denial of the request or praecipe for copies.

On October 7, the Galena Company filed a civil action in the District Court of the United States for the District of Columbia entitled "Galena Manufacturing Company of Illinois v. Conway P. Coe, Commissioner of Patents" praying that the court enjoin the cancellation of its two aforesaid registered trade-marks.

The Superior Oil Works on October 10, filed with the Commissioner a motion to dismiss appellant's second notice of appeal, which motion was overruled.

On November 19, within the time provided by this court's Rule XXV, the Galena Company filed with the clerk of this court its petition of appeal and a certified copy of the record with respect to the second appeal directed against the order of dismissal. Within the thirty days provided by Rule XXVI of this court respondent paid to the clerk the estimated amount of costs involved in the appeal.

On November 25, counsel for the Superior Oil Works entered a special appearance in this court

on behalf of the Superior Oil Works "for the purpose of raising the question of the jurisdiction of the court to entertain this appeal." By reason of said special appearance, printing of the record was withheld pending the ruling of the court on the question of jurisdiction.

On December 31, the Superior Oil Works filed with this court its motion to dismiss the second appeal. On March 3, 1939, the Superior Oil Works filed in this court a motion to dismiss the orignal appeal and on March 14 counsel for the Superior Oil Works filed in this court a paper requesting the clerk of the court to change his appearance from a special to a general appearance.

The pertinent statutory provisions are set out in the marginal note.[1]

From the foregoing statement of facts it will be observed that there has been no petition of appeal or certified copy of the record filed in this court except as it appears as a part of the record in the instant appeal. We have before us in the instant appeal a certified copy of the Galena Company's notice of appeal filed August 22, and the notice of election by the Superior Oil Works filed September 10, 1938.

[1] Act of February 20, 1905, section 9 (15 U. S. C. 89), reading as follows:

Sec. 9. That if an applicant for registration of a trade-mark, or a party to an interference as to a trade-mark, or a party who has filed opposition to the registration of a trade-mark, *or party to an application for the cancellation of the registration of a trade-mark, is dissatisfied with the decision of the Commissioner of Patents, he may appeal to the United States Court of Customs and Patent Appeals*, on complying with the conditions required in case of an appeal from the decision of the Commissioner by an applicant for patent, or a party to an interference as to an invention, and the same rules of practice and procedure shall govern in every stage of such proceedings, as far as the same may be applicable. [Italics ours.]

Section 4911, Revised Statutes (35 U. S. C. 59a) (relating to patents), reading as follows:

Sec. 4911. If any applicant is dissatisfied with the decision of the Board of Appeals, *he may appeal to the United States Court of Customs and Patent Appeals*, in which case he waives his right to proceed under section 4915 of the Revised Statutes. (U. S. C., title 35, sec. 63.) *If any party to an interference is dissatisfied with the decision of the Board of Appeals, he may appeal to the United States Court of Customs and Patent Appeals, provided that such appeal shall be dismissed if any adverse party to such interference shall within twenty days after the appellant shall have filed notice of appeal according to section 4912 of the Revised Statutes (U. S. C., title 35, sec. 60), file notice with the Commissioner of Patents that he elects to have all further proceedings conducted as provided in section 4915 of the Revised Statutes. Thereupon the appellant shall have thirty days thereafter within which to file a bill in equity under said section 4915*, in default of which the decisions appealed from shall govern the further proceedings in the case. If the appellant shall file such bill within said thirty days and shall file due proof thereof with the Commissioner of Patents, the issue of a patent to the party awarded priority by said Board of Appeals shall be withheld pending the final determination of said proceeding under said section 4915. [Italics ours.]

Section 4915, Revised Statutes (35 U. S. C. 63) (relating to patents) reading in part as follows:

Sec. 4915. *Whenever a patent on application is refused by the Commissioner of Patents, the applicant, unless appeal has been taken from the decision of the Board of Appeals to the United States Court of Customs and Patent Appeals, and such appeal is pending or has been decided, in which case no action may be brought under this section, may have remedy by bill in equity, if filed within six months after such refusal; and the court having cognizance thereof, on notice to adverse parties and other due proceedings had, may adjudge that such applicant is entitled, according to law, to receive a patent for his invention*, as specified in his claim or for any part thereof, as the facts in the case may appear. *And such adjudication, if it be in favor of the right of the applicant, shall authorize the Commissioner to issue such patent* on the applicant filing in the Patent Office a copy of the adjudication and otherwise complying with the requirements of law. * * * [Italics ours.]

It seems to us that all the issues raised and pressed here which we need to decide, will have been decided when we have determined two questions: First. Under the mandate of section 4911 is it the duty of the Commissioner or of this court, under circumstances like those at bar, to pass upon the question of the dismissal of an appeal in a trade-mark proceeding where a notice of election has been filed in accordance with the provisions of said section 4911? Second. Do the provisions of section 4911 require that the Galena Company's first appeal be dismissed by reason of the election of the Superior Oil Works to have all further proceedings conducted under section 4915?

As has been pointed out by this and other courts, Congress in the enactment of said section 4911 made no provision as to who should dismiss the appeal, in event it was one subject to dismissal, after an election had been made by an adverse party. We are informed that for many years the Commissioner passed upon the question of dismissing appeals under circumstances like those at bar while the Court of Appeals of the District of Columbia entertained the jurisdiction which we now have and that such action on the part of the Commissioner was authorized by the court. Prior to our amendment of Rule XXV the Commissioner had continued to exercise the same authority on appeal to this court although no rule was adopted by us on this subject. Prior to the amendment of Rule XXV, in some instances where the Commissioner had refused to dismiss, we have passed upon the question of dismissal. This court and other courts in a number of decisions in certain interference cases in which notices of election had been filed, held that the appeals should not be dismissed for the reason that the party appealing could not be required to proceed under section 4915. In the light of these considerations, this court on December 5, 1938 (subsequent to the Commissioner's order of dismissal involved here) amended its Rule XXV so as to require that the Commissioner certify to this court copies of the notice of appeal and the notice of election, and a rule to the same effect was adopted by the Patent Office. Since that date all matters with reference to the dismissal by virtue of the provisions of section 4911 have been certified to this court and here docketed for such disposal as the cases might warrant.

On the question as to whether or not it is the duty of this court to pass upon questions of dismissal under section 4911, we think a comparatively recent decision of the United States Court of Appeals for the District of Columbia, *United States ex rel. White* v. *Coe*, 68 App. D. C. 218, 95 F.(2d) 347, 489 O. G. 3 is quite persuasive. In that case Preston et al., defeated interferant-patentees took appeal to this court. White, as an adverse party, filed with the Commissioner a notice of election to have all further proceedings conducted under section 4915. The Commissioner refused to enter the order of dismissal of the appeal. White filed in the United States District Court for the District of

Columbia a petition for a writ of mandamus seeking to compel the Commissioner to dismiss the appeal and to refrain from completing said appeal. That court dismissed the bill and upon appeal its judgment was affirmed. The question there presented was whether or not the Commissioner should be required by mandamus to dismiss the appeal under the stated circumstances. The appellate court said:

> Appellant characterizes the appeal of Preston and Preston as alleged and attempted—apparently to support the theory that an appeal had not yet been taken, hence that the matter was still under the control of the Commissioner and, consequently, that it was subject to dismissal at his hands. This theory, if pressed to its logical conclusion, would defeat appellant's own contention because—under section 4911, as amended, upon which appellant relies—it is an appeal and not an alleged or attempted appeal which he seeks to have dismissed in his effort to invoke that section. The record reveals that Preston and Preston filed with the Commissioner a notice of appeal, which included an assignment of fifteen reasons of appeal. This constituted the taking of an appeal, and thereafter it was an appeal pending in the Court of Customs and Patent Appeals, within the meaning of section 4915, R. S., as amended. *Jensen* v. *Lorenz*, 68 App. D. C. 39, 92 F.(2d) 992; *Bakelite Corporation* v. *National Aniline & Chemical Co.*, 2 Cir., 83 F.(2d) 176. Consequently, appellant's contention is without merit.
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> The section, it will be observed, does not specify who shall dismiss. It does not on its face require the Commissioner to dismiss, nor does it empower him to do so. Ordinarily, an appeal can be dismissed only with the consent of the appellate court. *United States* v. *Minnesota & N. W. R. R. Co.*, 18 How. 241, 59 U. S. 241, 15 L. Ed. 347. In such case, of course, the order of the court is carried out by its officer. By our rules, as well as by rules in other federal courts, the clerk is empowered to enter dismissal upon agreement of the parties, but, of course, that situation does not exist here. Our attention has not been called to any rule of the Court of Customs and Patent Appeals specifically authorizing the Commissioner to dismiss appeals in any case, although paragraph 1 of Rule XXV of that court provides that if the petition of appeal to that court and the record are not filed within the specified time, the Commissioner, on motion of the appellee in inter partes cases, and upon his own motion in ex parte cases, "may take such further proceedings in the case as may be necessary to dispose of the same as though no notice of appeal had ever been given." * * * It is therefore doubtful whether he has the power to dismiss even where one of two or more applicants in an interference proceeding elects to invoke section 4911, as amended. It has been ruled that under the sections here involved a patentee who has been defeated in an interference proceeding, may not proceed by bill in equity under section 4915, as amended; that his only remedy is by appeal; that only applicants may resort to the remedy by bill in equity. *MacGregor* v. *Chesterfield*, D. C. E. D. Mich., 31 F.(2d) 791, approved by the Circuit Court of Appeals in *Heidbrink* v. *McKesson*, 6 Cir., 53 F.(2d) 321; *Farmer* v. *Schweyer*, Cust. & Pat. App., 58 F.(2d) 1056; see also, *Syracuse Washing Mach. Corporation* v. *Vieau*, 2 Cir., 72 F.(2d) 410; *Bloodhart* v. *Levernier*, Cust. & Pat. App., 64 F.(2d) 367. Since it is doubtful whether the Commissioner has power to dismiss when the parties are applicants, it is clear that it is even more doubtful whether the power exists when, as in the present case, the party who has appealed is a patentee.

The court there held that an appeal to this court is taken when the notice of appeal and the reasons of appeal are filed with the Commissioner. To the same effect, and probably more to the point on the question as to when the appeal is taken, is *Jensen et al.* v. *Lorenz et al.*, 68 App. D. C. 39, 92 F.(2d) 992, 482 O. G. 453. In that case, Jensen et al., appellants, were involved in an interference with Lorenz et al., and Jensen et al., the defeated patentees, brought a bill in equity in the United States District Court for the District of Columbia under section 4915 praying for an award of a patent. The bill stated that plaintiffs had not appealed to, and that no appeal was pending in, the United States Court of Customs and Patent Appeals. It developed that Jensen et al. had filed their notice of appeal and reasons of appeal but failed to file, in accordance with the statute and rules, a petition to this court within the forty days limit. The question presented was whether or not the plaintiffs below at the time of filing the bill in equity had taken such an appeal and whether such an appeal was pending or had been decided in this court. After considering the pertinent rules and statutory provisions. the court, among other things, said:

> It is our opinion that the plaintiffs took an appeal to the United States Court of Customs and Patent Appeals by force of the proceedings taken by them with the Commissioner. They served notice upon the Commissioner of their intention to appeal, and they filed in the Patent Office within forty days, which was the time required, their reasons of appeal specifically set forth in writing. Other steps were necessary to be taken in the Court of Customs and Patent Appeals to perfect the appeal, but, in so far as the Patent Office was concerned, the appeal had been taken by the action of the appellants as above set out. *Bakelite Corporation* v. *National Aniline & Chemical Co.*, 83 F.(2d) 176, 177 (C. C. A. 2d).

Other cases to the same effect such as *Bakelite Corporation* v. *National Aniline & Chemical Co.*, 83 F.(2d) 176, 467 O. G. 3, might be cited.

[1] The Superior Oil Works argues that the Commissioner properly performed his statutory duty in dismissing the instant appeal and that there had been no appeal taken inasmuch as the same had not been perfected, and cites several authorities to support its contention, among them being *United States* v. *Nordbye, Judge*, 75 F.(2d) 744; *In re Hitchcock*, 47 App. D. C. 251, 247 O. G. 965; *Nelson* v. *Berry et al.*, 19 C. C. P. A. (Patents) 1270. 59 F.(2d) 351, 424 O. G. 616; and *Midland Terminal Ry. Co. et al.* v. *Warinner*, 294 Fed. 185. We do not believe that these authorities support the contentions of the appellee. In every instance that we have observed where, after the filing of a notice of appeal and the assignments of error, or reasons of appeal as in the instant case. it was held that the court appealed from still had jurisdiction of the subject matter, it was in a proceeding where something remained to be done by that court to dispose of the case, other than dismissal. In the instant case we think the Commissioner had lost jurisdiction (except as is indicated by Rule XXV of this court) when the notice of appeal and reasons of appeal were filed, nor was his exercise of further jurisdiction in the premises analogous to the action of a court appealed from taking further steps in disposing of the issue involved. For the purpose of the application of the mandatory provisions of section 4911, an appeal had been taken and the Commissioner had lost jurisdiction to comply with the mandate of the statute which we think was meant to apply to this court which had acquired jurisdiction for the purpose of dismissal.

It is obvious that jurisdiction to dismiss could not rest at the same time in two tribunals. Appellee contends (and as we understand it, the Solicitor for the Patent Office, who has favored us with a brief at our request, agreed with this contention) that the right to consider the question of dismissal could rest in both tribunals at the same time. For instance, it is urged by the appellee that when the notice of election is filed the papers are with the Patent Office and that the Commissioner should

dismiss and that if it transpired that, by virtue of the prompt filing of the notice and the transmission of the printed record to this court all the papers were in this court before the filing of a notice of election, it would then become our duty to consider the question of dismissal.

Surely, Congress did not intend that jurisdiction to determine the important question of dismissal should depend upon the promptness or lack of promptness of litigants or the speed in preparing records in the Patent Office. The fact that no record may ever reach this court, as is the possibility in the case at bar in the first appeal, does not change the situation. Our Rule XXV expressly takes care of such a situation and authorizes the Commissioner, under certain circumstances, to proceed as if no appeal had been taken.

[2] Upon the first question, therefore, we hold that the Commissioner had no authority to dismiss said appeal and that all action taken subsequent thereto, as far as the issues here are concerned, became a nullity.

As to whether or not appellant's second appeal should be dismissed upon the theory that the appeal did not involve an appealable question under the statute, it is unnecessary for us to decide, because in any event, in view of our conclusion upon the second question presented, it would have to be dismissed.

On the second question we, after very much reflection, are of the opinion that the first appeal must be dismissed. In deciding this issue we think it proper to state that few questions involving the application of the law relating to patents and trade-mark matters involve a more complicated situation than that presented here. In order that our position may be thoroughly understood it becomes necessary to review somewhat extensively the various holdings of the courts having a direct bearing upon the question presented. It must be remembered that there is no direct statutory authority for the dismissal of an appeal to this court under circumstances such as are at bar and that the only authority which can be invoked is by virtue of the above-quoted last sentence of section 9 of the Trade-Mark Act of February 20, 1905:

"and the same rules of practice and procedure shall govern in every stage of such proceedings, so far as the same may be applicable."

The law is well settled that a defeated patentee-interferant cannot proceed under said section 4915 either voluntarily or by compulsion of his adversary. This question was first decided by this court in *Farmer et al.* v. *Schweyer*, 19 C. C. P. A. (Patents) 1247, 58 F.(2d) 1056, 423 O. G. 932, and subsequently followed in our decisions in *Bloodhart* v. *Levernier*, 20 C. C. P. A. (Patents) 917, 64 F.(2d) 367, 433 O. G. 510, and *Preston et al.* v. *White*, 25 C. C. P. A. (Patents) 701, 92 F.(2d) 813, 486 O. G. 3. In the case of *Farmer et al.* v. *Schweyer*, supra, we pointed out that in *MacGregor* v. *Chesterfield*, 31 F.(2d) 791, the District Court for the Eastern District of Michigan definitely held that a defeated patentee in an interference case could not proceed under section 4915 and that *Heidbrink* v. *McKesson*, 53 F.(2d) 321, 412 O. G. 839 (C. C. A.), was to the same effect. In *Wettlaufer et al.* v. *Robins et al.*, 92 F.(2d) 573, 486 O. G. 461, the Circuit Court of Appeals for the Second Circuit expressed approval of our holding in *Farmer et al.* v. *Schweyer*, supra, and *Bloodhart* v. *Levernier*, supra. To the same effect was the holding of the Circuit Court of Appeals for the Second Circuit in *Syracuse Washing Machine Corp. et al.* v. *Vieau et al.*, 72 F.(2d) 410, 23 Pat. Q. 61. All the above-cited cases relate to the right of a patentee to proceed in equity after having been defeated in an interference proceeding.

In *Pennzoil Company* v. *Hercules Powder Company*, 25 C. C. P. A. (Patents) 968, 95 F.(2d) 339, 494 O. G. 243, we had before us the question as to the analogy existing between patent and trade-mark cases on the question of procedure and the proper application of the last sentence in said section 9 of the Trade-Mark Act, supra. There the Pennzoil Company, a defeated registrant in a trade-mark opposition proceeding appealed to this court, and the Hercules Powder Company had made its election to proceed under section 4915. As far as we are advised, the question presented there had never been presented to any court. After reviewing *Baldwin Co.* v. *Robertson et al.*, 265 U. S. 168, 327 O. G. 5, and other cases, it was held that a defeated opposer with a registered trade-mark could not be required by his adversary's election to proceed under section 4915. For the most part the decision was predicated upon the proposition that if it was not the intention of Congress to permit one with a patent to seek relief under section 4915 as against some action in the Patent Office, by analogy it could not have been its intention in enacting the controverted language in section 9 to authorize a defeated opposer-registrant to proceed under that section.

In *Baldwin* v. *Robertson*, supra, the following was said:

> We have held that the assimilation of the practice in respect of the registration of trade-marks to that in securing patents as enjoined by § 9 of the Trade-Mark Act makes § 4915, Rev. Stats., providing for a bill in equity to compel the Commissioner of Patents to issue a patent, applicable to a petition for the registration of a trade-mark when rejected by the Commissioner. *American Steel Foundries* v. *Robertson*, 262 U. S. 209; *Baldwin Co.* v. *Howard Co.*, 256 U. S. 35, 39; *Atkins & Co.* v. *Moore*, 212 U. S. 285, 291.
>
> The present case presents this difference. The defeated party in the hearing before the Commissioner is not asking registration of a trade-mark but is seeking to prevent the cancellation of trade-marks already registered. Section 9 provides for appeals to the District Court of Appeals not only for a defeated applicant for registration of a trade-mark, but also for a dissatisfied party to an interference as to a trade-mark, a dissatisfied party who has filed opposition to the registration of a trade-mark and a dissatisfied party to an application for the cancellation of the registration of a trade-mark. It seems clear that the complainant below was a dissatisfied party to an application for the cancellation of the registration of a trade-mark. We think that both the applicant for cancellation and the registrant opposing it are given the right of appeal to the District Court of Appeals under that section.
>
> The next inquiry is whether, in addition to such appeal and after it proves futile, the applicant is given a remedy by bill in equity as provided for a defeated applicant for a patent in § 4915, Rev. Stats. We have in the cases cited given the closing words of § 9 a liberal construction in the view that Congress intended by them to give every remedy in respect to trade-marks that is afforded in proceedings as to patents, and have held that under them a bill of equity is afforded to a defeated applicant for trade-mark registration just as to a defeated applicant for a patent. It is not an undue expansion of that construction to hold that the final words were intended to furnish a remedy in equity against the Commissioner in every case in which by § 9 an appeal first lies to the Court of Appeals. This necessarily would give to one defeated by the Commissioner as a party to an application for the cancellation of the registration of a trade-mark, after an unsuccessful appeal to the advisory supervision of the Court of Appeals, a right to resort to an independent bill in equity against the Commissioner to prevent cancellation.
>
> * * * The applicants in § 9 were of four kinds and to each of them were intended to be accorded the same resort to the Court of Appeals and the same remedy in equity as to the applicant for a patent in § 4915. The inherent differences between trade-marks and patents should not prevent our giving effect to the remedial purpose of Congress in carrying out the analogies between the two classes of privileges to secure a common procedure.

It will be noticed that the court stated in substance that a defeated opposer-registrant could proceed under section 4915. This of course was obiter because a defeated opposer-registrant was not involved in that case. If we had regarded the Baldwin case as binding upon us in the Pennzoil Co. case, it would have been necessary for us to have reversed in principle all the prior holdings of this court on that subject and to have ignored decisions of the other courts hereinabove cited. Regarding the above-quoted language relating to opposition cases as obiter as applied to the issue presented in the Pennzoil Co. case, we followed the logic and reasoning of our prior decisions and held that the opposer-registrant's appeal in this court should not be dismissed. We stated the following in the Pennzoil Co. case:

> If it were a matter of first impression, it might, with some plausibility, be argued that the phrase "and the same rules of practice and procedure shall govern in every stage of such proceedings, as far as the same may be applicable" found in section 9, supra, referred only to the rules of practice and procedure in the Patent Office and the United States Court of Customs and Patent Appeals, and was not intended to be an authorization for filing a bill in equity in matters relating to trade-marks. However, the Supreme Court of the United States, as above indicated, has definitely held that by virtue of the language used in said section 9 and in section 4915 the right to file a bill in equity challenging the correctness of Patent Office action relating to trade-mark matters is definitely granted.

Briefly, the Baldwin case, supra, definitely held that a registrant defeated in a Patent Office cancellation proceeding had the right to proceed under section 4915 after he had exhausted his remedy by appealing to the Court of Appeals of the District of Columbia. The law then authorized a defeated party in a patent case to have two appeals in the Patent Office and one appeal to the Court of Appeals of the District of Columbia and then the additional right of proceeding in equity under section 4915. The history of the amendments made to sections 4911 and 4915 of the Revised Statutes is well recited in *Hygienic Products Co.* v. *Coe*, 66 App. D. C. 98, 85 F.(2d) 264, 469 O. G. 765, and *Wettlaufer et al.* v. *Robins et al.*, supra, and need not be fully stated here. For the most part, the amendments were for the purpose of lessening the number of appeals and proceedings in patent matters. In 1927, section 4911 was amended so as to provide that appeals from decisions of the Patent Office might be taken direct to the Court of Appeals in the manner that they are now taken to this court, in which instance no right to proceed under section 4915 exists except upon the election of an adverse party. Section 4911, as amended, provides that if "any adverse party to such interference" files its notice of election all further proceedings should take place under section 4915. Section 4915 was amended in certain respects which are of no importance in the consideration of the involved controversy.

The only difference between this case and the Baldwin case, supra, is that in that case the defeated registrant, Baldwin & Co., voluntarily filed a bill under section 4915 after it had exhausted its remedy in the Court of Appeals, while in the instant case the Galena Company appealed here and appellee has attempted under its election rights to require the Galena Company to proceed under section 4915. The Supreme Court in the Baldwin case held that section 4915 afforded a remedy to a defeated registrant who might file a bill under the section to prevent the cancellation of its trade-mark. Now, it is clear that under the holding in the Baldwin case, the Galena Company, if it had chosen, could have proceeded under section 4915 instead of appealing to this court, and since this is true it would seem to follow that under the provisions of section 4911, when appellee filed its notice of election the Galena Company could properly proceed under section 4915, which, in what appears to be an abundance of caution, it has already done.

[3] As we view the decision in the Baldwin case, supra, the principle decided there cannot be distinguished from the one which, if that decision is followed, we are required to apply here. We are frank to say that if it were a matter of first impression, we would hold, as we did in the Pennzoil case, that the language used in section 4915 with reference to the character of decree authorized does not warrant the conclusion that Congress intended to authorize a defeated registrant in a cancellation proceeding to ask the equity court to prevent the cancellation of its mark. In effect, if the principle in the Baldwin case is applied, it would seem to suggest that the holdings of the Court of Appeals of the District of Columbia, the Circuit Courts of Appeals and this court on the right of a defeated patentee-interferant to file its bill under section 4915 were erroneous, but we do not feel at liberty to ignore the precise application of the Baldwin case to this issue, and, therefore, must hold that the Galena Company is authorized to proceed under section 4915 and that appellee's election requires it to do so.

In considering the precise issue decided in the Baldwin case, and the reasons assigned therefor, we have not overlooked the fact that there is a distinction to be observed between a defeated trade-mark registrant proceeding under section 4915 and a defeated interferant-patentee. A defeated interferant-patentee, if required to proceed under section 4915, would still have his patent regardless of any action that the equity court might take, while a defeated registrant in a trade-mark cancellation proceeding would lose his registration which is the sole matter involved. A defeated cancellation-registrant such as the appellant here may be distinguished from a defeated registrant in an oppo-

sition proceeding such as was involved in the Hercules Powder Co. case, supra, in that no trade-mark is to be cancelled as a result of the opposition proceedings.

For the reasons stated the so-called first appeal is dismissed. Since the first appeal is dismissed it follows that the second appeal (No. 4215) must also be dismissed and appellee's motion to this effect is sustained.

Dismissed.

LENROOT, *J.*, concurs in the conclusion.

U. S. Court of Customs and Patent Appeals

IN RE NEWTON AND GRETTIE

No. 4,222. Decided June 19, 1939

[104 F.(2d) 789]

PATENTABILITY—PRODUCTION OF BAKERY PRODUCTS.

Claims for an improvement in the production of bakery products *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Roy W. Johns for Newton et al.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

On August 22, 1932, appellants filed an application in the United States Patent Office in which was disclosed an alleged invention relating to an improvement in shortening, the method of making it and the method of using it in producing bakery products. Certain claims of the application relating to the improved shortening and the method of making it were rejected by the Primary Examiner and his decision was affirmed by the Board of Appeals. Appeal was taken to this court. In *In re Newton et al.*, 25 C. C. P. A. (Patents) 1106, 96 F.(2d) 291, 496 O. G. 14, the decision of the Board of Appeals was affirmed.

The present appeal is from the decision of the Board of Appeals affirming that of the Examiner in rejecting claims of the instant application, which is a continuation in part of the application involved in *In re Newton et al.*, supra, which claims are directed to the method of using, in producing bakery products, the alleged improved shortening defined by the claims involved in *In re Newton et al.*, supra.

Claim 1 is regarded as illustrative of the claims on appeal and follows:

1. The improvement in the production of bakery products in the production of which shortening, solid ingredients, and aqueous liquids are employed, which comprises incorporating in the bakers' mix from which the bakery products are to be produced a dry shortening having improved creaming properties, said shortening containing a small and effective amount of a substance of the class consisting of mono-acid glycerides of higher fatty acids, di-acid glycerides of higher fatty acids, glycerine-triglyceride reaction products and mixtures thereof sufficient to improve the creaming properties of the shortening but insufficient to substantially affect the natural consistency of the shortening, whereby the texture and tenderness of the bakery products can be improved and their moisture content increased, due to the improved creaming properties of the shortening employed.

The references relied upon are: Ellis, 1,261,911, April 9, 1918; Ellis, 1,547,571, July 28, 1925; Procter & Gamble Co. (French), 758,057, October 23, 1933.

Claims numbered 1 to 11, inclusive, are on appeal here. Claims 1, 3, 4, 6, 9, 10, and 11 were rejected on the ground of indefiniteness. There were two features of the claims which the Examiner regarded as indefinite. The Board affirmed the Examiner upon one ground of indefiniteness and disapproved the other.

The Examiner also rejected all the claims upon each of the two patents of record to Ellis, which were the references relied upon by the Patent Office and this court in *In re Newton et al.*, supra. The Board of Appeals affirmed the Examiner upon this ground of rejection.

The claims were also rejected by the Examiner upon the French patent, which rejection the Board of Appeals affirmed.

In view of our conclusion that the ground of rejection by the Examiner, affirmed by the Board, on each of the Ellis patents was not erroneous, we find it unnecessary to further discuss or consider any other ground of rejection.

It is conceded in this case that appellants' method of improvement in the production of bakery products consists of the use, in the ordinary conventional way, of the shortening for which appellants were denied a patent in *In re Newton et al.*, supra.

While appellants point out in their brief that under *In re Newton et al.*, supra, the shortening used in the bakery method claims at bar is not patentable over the method and article claims in the Ellis patents it is asserted that appellants have discovered an unexpected result in making bakery products from the use of a shortening which is distinctly different from that disclosed in the Ellis patents. The burden of appellants' argument on this phase of the case is that the instant claims should not be rejected on the Ellis patents for the reason that they do not disclose the use of mono- or diacid glycerides in the proportion specified in the claims and that the Ellis patents do not disclose the use of fats containing mono- or diacid glycerides in the production of bakery products as distinguished from the use of such fats for edible purposes generally.

It seems to us that the question presented here is: Is there invention in a method of using a non-inventive shortening in the conventional way in producing bakery products generally where the prior art did not teach the particular effect such shortening might have upon the new product?

Appellants in their brief state:

To hold the present claims patentable to appellants would not be inconsistent with this prior decision, because the claims involved in the early appeal were not limited to bakery products, but covered shortenings broadly, irrespective of the particular use to which it might be put. The claims here involved are limited to improvements in baking, and the question presented is whether the Ellis patents contain a disclosure of this. Edible oils and fats are used for a good many purposes other than as shortening, and the mere disclosure of a particular product as an edible fat or oil, or as useful for cooking purposes, etc., is not a disclosure of the use of this product as a shortening in making improved baked goods. Where, as here, there is no specific disclosure of the use of the product for a particular purpose, and where such use involves unexpected and important advantages, it cannot properly be said that invention is not involved.

The merit of appellants' shortening as urged in the Newton et al. case and here relates to its quality of producing a creaming effect when in use. This matter was thoroughly discussed in *In re Newton et al.*, supra. We there said:

Neither of the Ellis patents discloses the creaming properties of his edible product, but in our opinion this function is inherent. It cannot be otherwise. The refined oil or fat is not part of appellants' invention, and some of the oils set forth in Ellis Patent 1,547,571 are edible and undoubtedly fitted for exactly the same use as those of applicants. The amounts of glycerides used may be the same both in the Ellis Patent 1,547,571 and in the claims. The product of the patent may be employed in cooking exactly in the same fashion and with the same results, as we view it, as the product of the appealed claims.

* * * * * * *

Even though appellants may have found a new property possessed but not even thought of by Ellis, they are not entitled to a patent. Apparently appellants have disclosed properties that were not disclosed in the references. On this state of facts we think the law has been settled in the case of *In re James*, 23 C. C. P. A. (Patents) 1124, 83 F.(2d) 313. In that case the court said—

The mere fact that appellant may have made certain disclosures as to properties not disclosed in the patent is not of itself sufficient to support an additional patent. It seems to us that there is inherent in the patent all that appellant claims here, and that the teachings of the application involved do not embrace matter allowable over the patent. He may teach here a scientific explanation, not given in the patent, as to results obtained by the patent process, but he is not entitled to patent for such scientific explanation.

It seems tenuous for appellants to argue that while they are not entitled to a patent upon a shortening identical with that used in the method claims at bar, the claims are patentable merely because appellants claim to have discovered something new about the properties of the shortening when put into actual use in baking. Ellis is entitled to all the benefits flowing from his edible oils and fats and the method of making them when used for any purpose for which they were fitted unless the new use involved invention. Can it be logically argued that it involved invention to put the Ellis oils and fats or their equivalents to one of the main uses for which such ingredients are intended? If appellants could obtain a monopoly upon the right to use a noninventive shortening in the conventional way in baking, which is one of the chief uses of such materials, they would be accomplishing indirectly, to a great extent, that which they have heretofore been directly denied.

We think that the Board arrived at the right conclusion in affirming the Examiner in rejecting the claims upon the patents to Ellis and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

HESS *v.* DREYFUSS

No. 4,119. Decided June 26, 1939

[104 F.(2d) 801]

1. INTERFERENCE—EVIDENCE—PROOF OF DATE EARLIER THAN THOSE ALLEGED IN PRELIMINARY STATEMENT.

"It is well settled that 'a party is restricted to the dates alleged in his preliminary statement for conception (which ordinarily involves proof of disclosure to others) and reduction to practice of an invention,' and that proof of any date earlier than those alleged in his preliminary statement is competent only for the purpose of establishing 'the date alleged and none other.'"

2. SAME—SAME—THAT INVENTION WAS MADE BY ANOTHER IS NOT PERTINENT TO ISSUE OF PRIORITY.

"Relative to the question raised here by counsel for appellant as to whether appellee or one of his associates conceived the involved invention disclosed and claimed in appellee's application, it is sufficient to say that such an issue cannot be raised in a proceeding of this character, and that any evidence in the record upon that subject is not pertinent to the issue of priority as between the parties to the interference."

3. SAME—PRIORITY.

Evidence reviewed and *Held* that the junior party H failed to establish conception of the invention prior to the filing date of the senior party D, and that priority was properly awarded to D.

APPEAL from Patent Office. Affirmed.

Messrs. Chritton, Wiles, Davies, Hirschl and *Dawson* (*Mr. George A. Chritton, Mr. Stanley Hoods,* and *Mr. Nelson J. Jewett* of counsel) for Hess.

Mr. George H. Kennedy, Jr. (*Mr. Charles E. Riordon* and *Mr. Owen W. Kennedy* of counsel) for Dreyfuss.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention to appellee, Henry Dreyfuss.

The invention in issue is a design for a handle for use on various articles, including kitchen and household tools and utensils.

The handle is described in appellee's application as follows:

As shown in the drawings, the handle consists of an elongated body of convex form throughout, with the ends of the body tapering at different angles and terminating in rounded surfaces of different curvature.

That description of the invention was accepted as correct by each of the tribunals of the Patent Office, as well as by counsel for the parties.

The count in the interference reads:

The ornamental design for a handle as shown and described.

The interference is between appellant's application, Serial No. D–56,678, filed May 4, 1935, and appellee's application, Serial No. D–55,632, filed February 27, 1935.

Appellant is the junior party, and the burden was upon him to establish priority of invention by a preponderance of the evidence.

In his preliminary statement, appellant alleged that he conceived the invention in February 1934; that his first drawing of it was made on October 16, 1934; that he first disclosed it to others in November 1934; that in November 1934 he began exercising reasonable diligence in reducing the invention to practice; that in January 1935 he "first embodied his invention in a full sized operative device"; and that on March 25, 1935, he first prepared a written description of the invention.

Appellee alleged in his preliminary statement that he conceived the invention on or about August 1, 1934; that he made the first drawing of the invention and disclosed the invention to others on or about August 15, 1934; and that he reduced it to practice on or about September 1, 1934.

Counsel for appellant contended before each of the tribunals of the Patent Office, and contend here, that the involved design is not patentable, and that appellee failed to establish that he and not some other person in his organization conceived the alleged invention.

Evidence was introduced by appellant for the purpose of establishing that the design here involved was not patentable over prior art, and also for the purpose of establishing that he reduced the invention to practice and disclosed it to others long prior to the dates alleged in his preliminary statement.

It appears from the decisions of the tribunals of the Patent Office that counsel for appellee moved to strike from the record (the motion is not in the record and, therefore, is not before us) the evidence introduced by appellant relative to the patentability of the involved design, as well as that introduced by appellant for the purpose of showing disclosure to others and reduction to practice prior to the dates alleged in appellant's preliminary statement. It further appears from the decision of the Examiner of Interferences, dated April 1, 1937, that appellee's motion was sustained only so far as it related to the evidence pertaining to the patentability of the involved design. It further appears that the tribunals of the Patent Office considered all other evidence introduced by appellant, the Examiner of Interferences stating in his decision that, regardless of what appellant's evidence established, he would be restricted to the dates alleged in his preliminary statement.

[1] It is well settled that—

"a party is restricted to the dates alleged in his preliminary statement for conception (which ordinarily involves proof of disclosure to others) and reduction to practice of an invention",

and that proof of any date earlier than those alleged in his preliminary statement is competent only for the purpose of establishing—

"the date alleged and none other."

See rule 110 of the Rules of Practice of the United States Patent Office, also *Fenton R. Brydle* v. *Harry H. Honigbaum*, 19 C. C. P. A. (Patents) 773, 54 F.(2d) 147, 415 O. G. 755; *Borm* v. *Champayne* (decided April 10, 1939), 26 C. C. P. A. (Patents) —, 102 F.(2d) 862.

Counsel for appellant state in their brief that during the motion period appellant moved to dissolve the interference on the ground "of non-patentability of the Dreyfuss claim", and contend that the Examiner of Interferences and the Board of Appeals erred in not considering evidence introduced by appellant (which, it is stated, was not before the Primary Examiner) for the purpose of establishing the non-patentability of the subject matter of that claim.

Neither the alleged motion to dissolve the interference nor the decision of the Primary Examiner with regard thereto are in the record; accordingly, we are not in a position to pass upon any issue claimed to have been raised by the alleged motion. It is well settled, however, that the question of the patentability of counts in an interference is not ancillary to the issue of priority, and will not be considered in an interference proceeding. *Hendrickson and Nelson* v. *Ronning and Ronning*, 22 C. C. P. A. (Patents) 1040, 76 F.(2d) 137, 458 O. G. 4.

It appears from the record that appellant's preliminary statement was filed on March 24, 1936; that his evidence in the case was submitted on September 9 and 14 to 17, inclusive, 1936; and that appellee's evidence was submitted on October 13 and 14 of that year.

It appears from a decision of the Examiner of Interferences, dated January 30, 1937, that, on January 21, 1937, approximately four months after the submission of his evidence and approximately three months after the evidence of appellee had been submitted, appellant moved to amend his preliminary statement by inserting therein that he first made drawings of the invention in March or April 1934, that he disclosed it to others in March or April 1934, that he reduced it to practice between April and July 1934, and that he commenced to exercise reasonable diligence in reducing it to practice between April and July 1934; that affidavits of appellant and his counsel were submitted in support of the motion; and that appellant was fully aware, in August 1936 and prior to the submission of any evidence in the case, of the "need for amendment" of his preliminary statement.

The motion to amend was denied by the Examiner of Interferences, and his decision was affirmed by the Board of Appeals.

Counsel for appellant contend here that the tribunals of the Patent Office erred in refusing to permit appellant to amend his preliminary statement.

It may be said at this point that neither the motion to amend appellant's preliminary statement nor the affidavits filed in support thereof are in the record before us. Assuming, as we must, in view of the state of the record, that the Examiner of Interferences correctly stated the facts (the correctness of his statement is not challenged) in his decision on the motion to amend, the decisions of the tribunals of the Patent Office denying appellant's motion to amend were clearly right. See *Methudy* v. *Roy*, 20 C. C. P. A. (Patents) 1142, 65 F.(2d) 171, 434 O. G. 759; *Robins* v. *Wettlaufer*, 23 C. C. P. A. (Patents) 952, 81 F.(2d) 882, 468 O. G. 3.

[2] Relative to the question raised here by counsel for appellant as to whether appellee or one of his associates conceived the involved invention disclosed and claimed in appellee's application, it is sufficient to say that such an issue cannot be raised in a proceeding of this character, and that any evidence in the record upon that subject is not pertinent to the issue of priority as between the parties to the interference. *Croskey* v. *Atterbury*, 9 App. D. C. 207, 76 O. G. 163; *Derby et al.* v. *Whitworth*, 20 C. C. P. A. (Patents) 791, 62 F.(2d) 368, 429 O. G. 191; *Hoza* v. *Colby*, 25 C. C. P. A. (Patents) 1206, 97 F.(2d) 89, 497 O. G. 7; Underwood's Interference Practice, § 81 and cases cited; *Rava* v. *Charlton* (Appeal No. 4150), 26 C. C. P. A. (Patents) —, 104 F.(2d) 798 (decided concurrently herewith).

The Examiner of Interferences held that the evidence submitted by appellee establishes that he conceived the invention at least as early as August 15, 1934, and that he actually reduced it to practice at least as early as January 8, 1935. Those findings, which were apparently approved by the Board of Appeals, are not challenged here by counsel for appellant, except as it is argued that someone in appellee's organization other than appellee is the inventor of the subject matter claimed in his involved application.

The tribunals of the Patent Office concurred in holding that appellant failed to establish that he conceived the invention prior to appellee's filing date—February 27, 1935.

The evidence introduced by appellant has been fully analyzed and discussed in the decision of the Examiner of Interferences.

We have carefully examined the exhibits introduced by appellant and the testimony relative thereto, and, as we are in complete accord with the views expressed in the decision of the Examiner of Interferences with regard thereto, we deem it unnecessary to enter upon a discussion of the evidence here. It is sufficient to say that, in our opinion, appellant has failed to establish conception of the involved invention prior to appellee's filing date (February 27, 1935); that the record clearly establishes that appellee was the first to conceive the invention and the first to reduce it to practice; and that, therefore, appellee is entitled to an award of priority.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SHERMAN

No. 4,152. Decided June 19, 1939

[104 F.(2d) 619]

1. INVENTION—FOREIGN PATENT AS A REFERENCE.

Upon the question of the weight to be given a foreign patent cited as a reference, whatever else may be said, it is well settled that it is not required that the patent describe the identical thing in order to be a reference, and where there is a difference the question of whether such difference involves invention or mere mechanical skill must be considered. *In re Eitzen*, 24 C. C. P. A. (Patents) 772, 86 F.(2d) 411, 478 O. G. 230, and cases there cited.

2. PATENTABILITY—COMMUNICATION AND RECORDING SYSTEM.

Claims for a communication and recording system *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Marston Allen, and *Messrs. Allen and Allen* (*Mr. Charles E. Riordan* of counsel) for Sherman.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner denying patentability, in view of prior art cited, of eight claims (being all the claims) numbered 12 to 19, inclusive, of an application for patent relating to telephone and teletype installation for department stores.

As illustrative we follow appellant's brief and reproduce claims 12 and 15:

12. A communicating and record system for departmental stores use, including a telephonic communication line between distant stations by which transaction indicia may be transmitted in one direction from a sales station to an accounting station, a remote control writing system between the same two distant stations including a receiving apparatus only at the sales station and a recording and transmitting apparatus only at the accounting station for transmitting in reverse direction transaction indicia from the accounting station to the sales station.

15. The herein described method of legibly recording department store sales transactions including transmitting by telephonic communication from a sales station to a distant relay station the details of a sales transaction, simultaneously recording and relaying the same telephonically communicated sales transaction details from the relay station back to the same distant sales station by remote control writing machine system and producing an imprinted record thereof at the sales station.

The limitations expressed in the other claims do not differentiate them in a patentable sense from the claims quoted and the recital of such limitations is deemed unnecessary. It may be said that claims 18 and 19 were proposed after rejection of the others by the Examiner and were by him admitted for purposes of appeal.

Four references were cited but two of them were neither discussed nor applied to any of the claims here on appeal. The two patents cited in the brief of the Solicitor for the Patent Office before us as being relied upon are: Block, 1,644,229, October 4, 1927; British patent, 378,064, July 28, 1932.

The brief on behalf of appellant describes his system and depicts its advantages as follows:

Briefly, the present invention comprises a one-way telephonic communication apparatus from the sales clerk to the accounting department located in a distant part of the building. There is also a teletype transmitting instrument which records copies of the material transmitted in the accounting department, and a remote teletype receiving instrument at the desk and beside the telephone of the sales clerk. In operation the sales clerk, after having made his sale, lifts the receiver of his telephone and his line is automatically connected to a girl sitting at the teletype transmitting instrument in the accounting department. The sales clerk then dictates by the telephone to this typist before the teletype transmitter the name and address of the customer and the items sold together with the prices. As this typist is taking this dictation directly from the clerk onto the teletype transmitter, another clerk in the accounting department looks at the records and determines the credit rating of the customer. This credit rating is found before the typist has finished her teletyping, and she is informed by the clerk in the accounting department whether the credit is acceptable or not. If it is, she so indicates on her teletype transmitter. The information the typist is teletyping onto her teletype transmitter is being transcribed in clear type on the remote teletype receiving instrument in front of the clerk, as well as on a copy in the accounting department. The effect is that the sales clerk, while dictating to the teletypist, may at the same time watch his dictation being transcribed in front of him in clear type and if any mistakes are made, he may immediately correct them in his dictation. There is no teletype transmitter at the sales clerk's end of the system, and there is therefore no means for the sales clerk to change, mark or mar in any way the sales slip which is being transcribed in front of him and which he, in the end, tears off and hands to the customer. Inasmuch as the sales clerk writes nothing whatever on the sales slip, but merely dictates it through the accounting department, there is no possibility of the clerk writing illegibly on the sales slip or writing different names or information or prices from that which he has given to the accounting department. The record of the transaction is therefore at all times without the control of the sales clerk and thus there is an assurance that the credit rating obtained is the credit rating of the person whose name is written on the sales slip and that the total transaction is correct.

In discussing the claims and the references the Examiner's statement, following the appeal to the Board, said:

Applicant's device comprises a communication and recording system particularly designed for use in department stores. It sets forth as special features that the record of a sales transaction is telephoned to an accounting department where it is typed, approved, and reproduced at the sales station by means of a conventional teletypewriter.

Claims 12 to 17 rely for novelty mainly upon the use to which the system is to be put, while claims 18 and 19 which were entered for purposes of appeal call broadly for the method of telephoning a message to a central point and subsequently having the message typed at the central point and reproduced at the point of origin.

The main reference relied upon in the final rejection of all the claims was British Patent 378,064.

This patent shows a telephone system provided with a private branch exchange wherein subscribers may talk with each other over a telephone and if desired a called party may make a typewritten copy of a dictated message and transmit it to the calling party over their associated teleprinters. This operation is obviously the method of reproducing a written record defined in claims 18 and 19 and such an operation with the apparatus effecting this result is particularly adaptable for use in a department store as defined in claims 12 to 17.

The patent to Block is for a credit slip authorizing apparatus and is relied upon merely to show that the concept of communication between a sales station and central or accounting office in a department store by means of a telephone and form of teleprinter is not new.

The Board quoting claim 12 as illustrative said:

Claim 12 differentiates from the British patent only in that the receiving apparatus is limited to the sales station. We see nothing of a patentable nature in this limitation or in the mere idea of using the British system in a department store.

It appears to be a mere matter of choice in selecting a point near the credit office to teletype the sales slip rather than rely on the salesman to make out the slip. The apparatus is old and applicant has done nothing but apply it to an obvious use.

That the Block patent discloses that the conception of communication between the sales clerk and the accounting office in a department store by electric signal and telephone is not new—the sole purpose for which it was cited by the Examiner—is conceded, and that reference requires no further attention.

Appellant's discussion of the British patent is in part as follows:

The foreign British reference 378,064 is quite complicated and the exact procedure taught is very difficult to understand. However, it relates to the supplying of an auxiliary teleprinter service over an ordinary telephone at voice frequency wherein either telephone equipment or teleprinter equipment may be connected at will to the line, each to the exclusion of the other, or as an alternative system wherein the telephone may be automatically shunted from its normal line onto a second line to permit normal use while the teleprinter is in operation. Briefly, the British patent provides a combined teletype receiver and teletype transmitter to the subscriber of the usual telephone system. It provides means whereby a subscriber may call another subscriber on the telephone in the normal manner, and if he discovers by signal means that the person being called is not at home, and has the necessary instrument, he may switch over, or he may be automatically switched over to the teletype machines on the same voice frequency line. The result is that he may teletype a message to the absent party being called requesting a return call or transcribing information as desired. It is also possible by use of the British teachings for two parties in oral conversation to switch over to the respective teletype machines if they desire and write messages back and forth. There is a modification shown wherein the telephone may be connected to a second line while the teletype receiver is in operation and thus permit normal use of the telephone with other parties while the teletype is receiving.

The British reference is concerned only with the usual normal telephone system and is for use between different subscribers just in the way that the oral telephone system is now being used. The British reference does not contemplate, nor suggest, in any way that the telephone and teleprinter may be used in simultaneous operation between the same stations, nor does it show a machine or device which permits this use.

Commenting upon the last above quoted sentence the brief of the Solicitor for the Patent Office says:

It seems that appellant is clearly in error in presenting the foregoing argument as is apparent from his own discussion of the disclosure of the British patent in the paragraph just preceding that one from which the foregoing excerpt is reproduced.

In the first place, it is to be noted that none of the claims call for any simultaneous operation of telephone and teleprinter between the same stations. Claims 15 and 19 do call for simultaneous recording and relaying but it seems clear from the claims that this relates to the simultaneous production of a typed copy at the two separated stations. The same thing occurs in the system of the British patent, since it is stated * * * that:

The two records printed at the transmitting and receiving ends are therefore identical.

Furthermore, although, as has just been pointed out, none of the claims call for simultaneous operation of telephone and teleprinter, nevertheless, even if they did, such feature is disclosed in the British patent as is clear from appellant's own explanation of the disclosure thereof in the first paragraph of page 6 of appellant's own brief, as further appears from the patent itself by reference to claim 5 thereof * * * containing the following disclosure:

* * * each of said subscribers is provided with two lines over which teleprinter and telephone connections can be in progress simultaneously.

The foregoing extract from the specification of the British patent should clearly show that appellant is in error in presenting the argument hereinbefore reproduced from page 6 of his brief to the effect that this reference does not contemplate nor suggest in any way the telephone and teleprinter may be used in simultaneous operation between the same stations.

Appellant (referring to the foreign character of the British patent) argues, citing certain cases, that:

It is a well-settled rule that foreign patents as references are to be very strictly construed and are not at all pertinent for what may be made out of them, but only for what is actually shown in them.

It is further argued that:

Even if the British reference were a United States patent and entitled to the weight as an anticipation incident thereto, there is no question that it would fall far short of anticipating any of the claims in this case.

Appellant declares that one of the "decided features" of his system is that the teletype receiving device in front of the sales clerk is a receiving device only, and there is argument to the effect that the British device is not adapted to perform the result obtained by appellant and never contemplated such result. It is urged that the British patent contains nothing which could solve the problem solved by appellant's system and that hence the Board erred in holding the British patent an anticipation.

Careful attention has been given to each of appellant's contentions.

With respect to the suggestion relating to the simultaneous operation of the telephone and teleprinter, we find it unnecessary to add to what was said in the brief of the Solicitor for the Patent Office quoted, supra. Appellant's specification supports the limitation of simultaneous operation but only claims 15 and 19 contain such limitation, and the excerpt quoted from the British patent teaches that the teleprinter and telephone connections can be in progress simultaneously.

[1] Upon the question of the weight to be given a foreign patent cited as a reference, whatever else may be said, it is well settled that it is not required that the patent describe the identical thing in order to be a reference, and where there is a difference the question of whether such difference involves invention or mere mechanical skill must be considered. *In re Eitzen*, 24 C. C. P. A. (Patents) 772, 86 F.(2d) 411, 478 O. G. 230, and cases there cited.

With respect to the emphasized feature of the device in front of the sales clerk being a receiving device only, we fail to see any invention in eliminating the transmitting device from that position if the same be not desired there.

[2] Upon the point of the British patent not being adapted for use in department stores, there seems to be a difference of opinion between applicant and the Examiner. The latter declares, in substance, as above quoted, that the British apparatus was particularly adaptable for use in such stores. We do not find in the British patent any reference to department store use. Indeed, no use in any particular industry or business seems to be suggested, but a system is described apparently adapted to use in many places. Modification of the apparatus for some particular uses doubtless would be required, but we are unable to agree that such modifications as are disclosed by applicant here represent anything more than mechanical skill. No novel individual feature is shown; each is old. This fact of itself would not, of course, preclude the possibility of invention in the combination, but in the instant case we fail to find any inventive novelty in the combination.

The decision of the Board is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,373,748, N. M. Lower, Screw conveyor; 1,455,058, same, Locomotive stoker; 1,690,116, A. M. Hunt, Stoker construction; 1,724,593, same, Stoker conveyor; 1,642,076, Lower & Chalker, Distributor tube for stokers, C. C. A., 4th Cir., Doc. 4477, *The Standard Stoker Co., Inc.*, v. *Berkley Machine Works & Foundry Co., Inc.* Decree affirmed Aug. 28, 1939.

1,455,058. (See 1,373,748.)

1,599,440, W. C. Trout, Counterbalance for pumping rig; 2,071,007, same, Counterbalance for crank shafts; 1,674,181, F. J. Schwimmer, Counterbalance, filed Aug. 21, 1939, D. C., N. D. Tex. (Ft. Worth), Doc. 103, *Lufkin Foundry & Machine Co. et al.* v. *American Mfg. Co.*

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles, C. C. A., 8th Cir., Doc. 11428, *Dean Rubber Mfg. Co. et al.* v. *F. B. Killian.* Decree affirmed Aug. 30, 1939.

1,642,076. (See 1,373,748.) 1,674,181. (See 1,599,440.)

1,690,109, R. A. Gross, Collapsible box; 1,758,510, same, Paper box; 1,940,213, same, Knockdown paper box with cover, C. C. A., 8th Cir., Doc. 11443, *Simplex Paper Box Corp. et al.* v. *Rosenthal Paper Co.* Decree affirmed Aug. 30, 1939.

1,690,116. (See 1,373,748.)

1,699,468. (See Re. 17,544.)

1,724,593. (See 1,373,748.)

1,726,500, R. F. Norris, Sound deadening construction, D. C., S. D. Calif. (Los Angeles), Doc. E 1027–J, *C. F. Burgess Laboratories, Inc.*, v. *Coast Insulating Corp.* Decree for plaintiff, claim 4 held infringed, injunction; claims 1, 3, 5, 6, 8, 10, 11, and 14 held invalid, and claims 16, 17, and 23 held not infringed Sept. 9, 1939.

1,732,661, F. B. Root, Wrinkling finish, D. C., W. D. N. Y., Doc. 188, *New Wrinkle, Inc.*, v. *J. Fritz et al.* Dismissed as to Pontiac Varnish Co. Sept. 8, 1939.

1,747,683, Shirk & Mohler, Refrigerating, heating, and ventilating apparatus for cars, filed July 8, 1939, D. C. Md., Doc. 274, *C. D. Futch* v. *Pullman-Standard Car Mfg. Co.*

1,751,249. (See 1,912,161.) 1,758,510. (See 1,690,109.)

1,769,027, A. E. Hutt, Passenger-carrying vehicle, filed Aug. 31, 1939, D. C., S. D. N. Y., Doc. 5/235, *A. E. Hutt* v. *The Pullman Co.*

1,809,707, Jones & McCallen, Mine car, filed Mar. 23, 1939, C. C. A., 4th Cir., Doc. 4461, *Sanford Investment Co., Inc., et al.* v. *Crab Orchard Improvement Co.* Decree affirmed Aug. 28, 1939.

1,854,283, R. A. Walter, Loading attachment for a reciprocating conveyor; 1,870,291, F. L. McCarty, Loading attachment for conveyor mechanism, filed Aug. 29, 1939, D. C. Colo. (Denver), Doc. 96, *Goodman Mfg. Co.* v. *Vulcan Iron Works Co. et al.*

1,870,291. (See 1,854,283.)

1,874,660. (See Re. 17,544.)

1,879,084, H. P. Chaney, Cotton fiber rolling device, filed Sept. 1, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 544–Y, *H. P. Chaney* v. *Southern Pacific Railroad Co. et al.*

1,879,768, I. H. Shalomith, Terminal connection for electric lamp sockets, D. C., S. D. N. Y., Doc. 77/87, *I. H. Shalomith* v. *Elite Lamp Co., Inc., et al.* Order filed Sept. 8, 1939 vacating order of dismissal for lack of prosecution filed Dec. 23, 1938, amending interlocutory decree. Final decree for plaintiff Sept. 8, 1939.

1,912,161, 2,002,510, 2,017,548, M. C. Rosenblatt, Building construction; 1,751,249, same, Acoustic treatment, filed Sept. 2, 1939, D. C., E. D. Pa., Doc. 497, *M. C. Rosenblatt* v. *McCloskey & Co. et al.*

1,940,213. (See 1,690,109.)

1,959,639, G. M. Paulson, Spark plug, filed Aug. 31, 1939, D. C., S. D. N. Y., Doc. 5/231, *The B. G. Corp.* v. *Aero Spark Plug Co., Inc.*

1,999,011, J. J. Wasser, Display device, D. C., S. D. N. Y., Doc. 3/314, *Pevely Dairy Co.* v. *S. Tucker.* Consent decree for plaintiff (notice Sept. 7, 1939).

2,002,510. (See 1,912,161.) 2,006,786. (See 2,137,913.)

2,017,548. (See 1,912,161.)

2,043,414, F. H. Korff, Marker for highway, filed Sept. 6, 1939, D. C., S. D. N. Y., Doc. 5/267, *Zone Coating Corp. of America et al.* v. *Highway Safety Products Corp. et al.*

2,063,733, C. B. Greenberg, Spring bar, D. C., S. D. N. Y., Doc. 5/28, *C. B. Greenberg* v. *L. N. Cutino (K. K. Importing Co.).* Consent decree for plaintiff (notice Sept. 11, 1939).

2,071,007. (See 1,599,440.)

2,095,223, A. O. Samuels, Fan, filed Sept. 7, 1939, D. C., E. D. N. Y., Doc. 592, *Samson-United Corp.* v. *E. A. Laboratories, Inc.*

2,097,953, 2,132,826, J. E. Ludwig, Spray booth, filed Aug. 14, 1939, D. C., N. D. Ind. (South Bend), Doc. 58, *Newcomb David Co., Inc.*, v. *Studebaker Corp.*

2,118,468, T. G. Jungersen, Method of casting articles of intricate design and a product thereof, D. C., Md. Doc. 173, *T. G. Jungersen* v. *A. Horvat.* Stipulation of counsel withdrawing action July 6, 1939. Doc. 216, *T. G. Jungersen* v. *H. O. Jenkins et al.* Patent held valid and infringed, injunction Aug. 3, 1939.

2,132,826. (See 2,097,953.)

2,135,240, G. M. Paulson, Spark-plug, filed Aug. 31, 1939, D. C., S. D. N. Y., Doc. 5/230, *B. G. Corp.* v. *Aero Spark Plug Co., Inc.*

2,137,913, O. Kind, Securing and carrying means for packages; 2,006,786, J. Beauvisage, Adhesive band for closing paper wrappers of packages, filed Aug. 28, 1939, D. C., N. D. Calif. (San Francisco), Doc. 21313–L, *Carry-Pack Corp.* v. *Blake, Moffitt & Towne et al.*

Re. 17,544, A. Beler, Thermostatic valve; 1,699,468, J. H. Grayson, Thermostat; 1,874,660, S. P. Vaughn, Thermostatic snap valve, filed Aug. 29, 1939, D. C., S. D. Calif., C. Div., Doc. 536–H, *Domestic Mfg. Co., Inc.*, v. *Grayson Heat Control, Ltd.*

Re. 18,214, A. S. Behrman, Separator plates, filed Aug. 30, 1939, D. C., S. D. N. Y., Doc. 5/226, *A. S. Behrman et al.* v. *U. S. Rubber Co.*

Des. 113,073, H. A. Lawson, Bedspread, D. C., N. D. Ga. (Atlanta), Doc. 2154, *Carter Bros., Inc.*, v. *J. K. McCutchen et al.* Consent decree for plaintiff (notice Sept. 9, 1939).

Des. 114,263, A. Furtsch, Belt buckle, filed Sept. 11, 1939, D. C., S. D. N. Y., Doc. 5/298, *A. Furtsch* v. *Gold Seal Button Works, Inc.*

Des. 115,242, H. Taylor, Table lamp, filed Sept. 8, 1939, D. C., S. D. N. Y., Doc. 5/291, *H. Taylor* v. *N. Lagin.*

Des. 115,947, L. F. Wilson, Candle, filed Aug. 10, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 505–J, *L. F. Wilson* v. *M. P. Goodman et al.*

Des. 116,125, A. Ruchman, Dress, filed Sept. 6, 1939, D. C., S. D. N. Y., Doc. 5/269, *Apex Dress Co., Inc.*, v. *Lansing Dress Co., Inc.* Doc. 5/270, *Apex Dress Co., Inc.*, v. *L. Hirsch, Inc.* Doc. 5/271, *Apex Dress Co., Inc.*, v. *Miller & Tepper, Inc.* Doc. 5/272, *Apex Dress Co., Inc.*, v. *Tru-Blu Dress Co., Inc.* Doc. 5/277, *Apex Dress Co., Inc.*, v. *Major Frocks, Inc.* Doc. 5/278, *Apex Dress Co., Inc.*, v. *A. Golder & Co., Inc.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,102,081, Robert Lepsoe, Process for the reduction of sulphur dioxide to elemental sulphur by means of carbon, decided September 26, 1939, claims 1, 2, and 5.

Pat. 2,134,889, B. C. Phillips, Compression control, decided November 10, 1939, claim 6.

Disclaimers

Re. 20,827.—*Le Roy J. Leishman*, Los Angeles, Calif. MEANS AND METHOD FOR TURNING ROTATABLE OBJECTS TO PREDETERMINED POSITIONS. Patent dated August 16, 1938. Disclaimer filed November 10, 1939, by the patentee.

Hereby disclaims from the scope of claim 8 of said Letters Patent all structure except that in which the rocker is so constructed that it may act as a common follower for a plurality of such recited movable means; and

Disclaims from the scope of claim 9 of said Letters Patent all structure except that in which the positioning element is so adjustably mounted that it may be fixed and maintained in its adjusted position irrespective of repeated operations of said operating means; and

Disclaims from the scope of claim 10 of said Letters Patent all structure except that in which the positioning element is so adjustably mounted that it may be fixed and maintained in its adjusted position irrespective of repeated operations of said operating member.

1,950,436.—*Ira Williams*, Wilmington, Del. POLYMERIZED HALOGENATED HYDROCARBONS AND PROCESS OF PRODUCING SAME. Patent dated March 13, 1934. Disclaimer filed November 13, 1939, by the assignee, *E. I. du Pont de Nemours and Company, Inc.*

Hereby enters this disclaimer to the last six words in line 115, column 2, page 2, of the specification of said patent, to wit: "methyl ethyl ketone and diethyl ketone"; and

Further enters this disclaimer to the last two words of line 3 and the first three words of line 4 of claim 8 of the specification of said patent, to wit: "methyl ketone, methyl-ethyl ketone".

1,993,776.—*Max Engelmann* and *Albert L. Flenner*, Wilmington, Del. HYDROCARBON MERCURY SALT OF A FATTY ACID. Patent dated March 12, 1935. Disclaimer filed November 10, 1939, by the assignee, *E. I. du Pont de Nemours and Company.*

Hereby enters this disclaimer as to claim 1 of the said patent.

1,993,777.—*Max Engelmann* and *Albert L. Flenner*, Wilmington, Del. MERCURY COMPOUND AND PROCESS OF MANUFACTURING. Patent dated March 12, 1935. Disclaimer filed November 10, 1939, by the assignee, *E. I. du Pont de Nemours and Company.*

Hereby enters this disclaimer as to claim 1 of the said patent.

2,002,281.—*Carroll Stansbury*, Wauwatosa, Wis. ELECTRONIC CURRENT REGULATOR. Patent dated May 21, 1935. Disclaimer filed November 6, 1939, by the assignee, *Cutler-Hammer, Inc.*

Hereby enters this disclaimer to claims 7 and 8 of said Letters Patent.

2,071,389.—*Erd V. Crowell*, Los Angeles, Calif. WELL CEMENTING. Patent dated February 23, 1937. Disclaimer filed November 14, 1939, by the patentee.

Hereby enters this disclaimer to claims 1, 4, 5, 6, and 7 of said patent.

2,088,493.—*Lee Sutherlin*, Wilkinsburg, and *Albert J. Harcher*, Homestead, Pa. CATHODE RAY TUBE. Patent dated July 27, 1937. Disclaimer filed November 15, 1939, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 4 and 6 of the patent.

2,097,899.—*Swan Smith*, White Bear, Minn. METHOD OF FORMING CONTAINERS. Patent dated November 2, 1937. Disclaimer filed November 8, 1939, by the assignee, *David C. Shepard.*

Hereby enters this disclaimer to claims 1 and 2 in said specification.

2,157,012.—*Lawrence A. Philipp*, Detroit, Mich. REFRIGERATING APPARATUS. Patent dated May 2, 1939. Disclaimer filed November 6, 1939, by the patentee; the assignee, *Nash-Kelvinator Corporation*, approving.

Hereby enters this disclaimer to claims 1 and 2 in said specification.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Nov. 15, 1939.*

Eastern Fruit Distributors, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Roy Weir, Pharr, Tex., to effect the cancellation of trade-mark registration of Eastern Fruit Distributors, Inc., 226 Wholesale Terminal Bldg., Los Angeles, Calif., No. 277,860, dated November 25, 1930, and the notice of such proceeding sent by registered mail to the said Eastern Fruit Distributors, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Eastern Fruit Distributors, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 5, 1939

[VOL. 509. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 423,929. SEABOARD SEED COMPANY, Philadelphia, Pa. Filed Sept. 25, 1939.

HORMOLAWN

For Grass and Clover Seed.
Claims use since May 1, 1939.

Ser. No. 424,248. THE VISCOL COMPANY, Stamford, Conn. Filed Oct. 5, 1939.

VISCOLIZED

For Treated Leather.
Claims use since 1904.

CLASS 2

Receptacles

Ser. No. 415,934. CALIFORNIA CONTAINER CORPORATION, Emeryville, Calif. Filed Feb. 11, 1939.

WRAPAK

For Cartons and Display Packages and Cut-Out Blanks for Forming Same, Made of Fibre Board, Corrugated Board and Other Like Material.
Claims use since Feb. 1, 1938.

Ser. No. 424,286. ALLIED PAPER BAG CORPORATION, Baltimore, Md. Filed Oct. 7, 1939.

SILVERINE

For Cellophane Bags Which are Sold in Trade Empty.
Claims use since Aug. 22, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 415,609. PELICAN PRODUCTS COMPANY, New York, N. Y. Filed Feb. 4, 1939.



The word "Products" is disclaimed apart from the mark.
For Shoe Polish.
Claims use since Jan. 25, 1939.

Ser. No. 423,752. MAURICE BRUNET JR., doing business as Cito Co., New Orleans, La. Filed Sept. 20, 1939.

Cito

For Cleaning Fluid for Cleaning Typewriter Type, Typewriters, and Parts Thereof.
Claims use since Aug. 24, 1939.

Ser. No. 423,904. ADVANCE POLISHING WHEELS, INC., Chicago, Ill. Filed Sept. 26, 1939.

PERM-A-CORE

No claim is made to the word "Core" apart from the mark.
For Buffs, Buffing Wheels, and Polishing Wheels.
Claims use since Sept. 1, 1939.

Ser. No. 424,217. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Filed Oct. 4, 1939.

SOAPALITE

For Detergent Compound Used in Laundering Textile Articles.
Claims use since Apr. 18, 1939.

Ser. No. 424,506. THE VISCOL COMPANY, Stamford, Conn. Filed Oct. 12, 1939.

VISCOL

For Soap for Cleaning and Polishing Leather and Fibrous Materials.
Claims use since Sept. 20, 1939.

Ser. No. 424,553. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Oct. 14, 1939.

"S"

For Cleansing Material Composed in Whole or in Part of Silicate of Soda and Especially Useful for Supporting the Action of Soap in Laundries, for Industrial Cleaning of Food Containers, Ceramics, and the Like.
Claims use since Jan. 1, 1900.

CLASS 5

Adhesives

Ser. No. 424,239. MARBON CORPORATION, Gary, Ind. Filed Oct. 5, 1939.

TY-PLY

For Rubber Derivative for Bonding Rubber to Metals.
Claims use since Sept. 15, 1939.

Ser. No. 424,372. SWIFT AND COMPANY, Chicago, Ill. Filed Oct. 9, 1939.

ACCELERATOR

For Glue.
Claims use since Sept. 15, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 409,084. CONTINENTAL SALES CORPORATION, Minneapolis, Minn. Filed July 30, 1938.

DE-OX

For Compounds for Treating Materials.
Claims use since June 14, 1938.

Ser. No. 416,995. CANNED COLD CHEMICAL CORPORATION, New York, N. Y. Filed Mar. 13, 1939.

QUICOLD

For Two Chemical Powder Compounds Which, When Combined, Cause Refrigeration.
Claims use since Feb. 15, 1939.

Ser. No. 418,549. FASHIONEL-DREXEL & COMPANY, doing business as Fashionel, Baltimore, Md. Filed Apr. 21, 1939.

Fashionel

For Perfumes, Bath Oil, Lotions, Bath Salts, and Talcum Powder.
Claims use since July 22, 1935.

Ser. No. 420,686. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed June 19, 1939.

STERI-VIAL

No claim is made to the word "Vial" apart from the mark.
For Series of Vials of Narcotic Vitamin and Hormone Preparations in Sterile Solution for Parenteral Use.
Claims use since Apr. 26, 1939.

Ser. No. 421,212. TENNESSEE COPPER COMPANY, Copperhill, Tenn. Filed July 1, 1939.

"MICROGEL"

For Copper Fungicide.
Claims use since Feb. 14, 1939.

Ser. No. 421,661. LANG & RODKEY, Warren, Ohio. Filed July 17, 1939.

LAROTANE

For Liquid Gas Fuel Used in Gas Machine Units.
Claims use since January, 1937.

Ser. No. 422,041. JOSEPH B. COSTELLO, doing business as Red Lite Remedy Co., Chicago, Ill. Filed July 28, 1939.

RED LITE

For Throat Lubricant.
Claims use since May 15, 1939.

Ser. No. 422,245. SATISH C. GHOSE, doing business as Special Purpose Perfume Company, Chicago, Ill. Filed Aug. 3, 1939.

BIRTHDAY PERFUME

The word "Perfume" is disclaimed.
For Perfume.
Claims use since May 15, 1939.

Ser. No. 423,003. MICHIGAN ALKALI COMPANY, Wyandotte, Mich. Filed Aug. 25, 1939.

DE-SUL-FLUX

No claim is made to the word "Flux" apart from the mark.
For Alkaline Product for De-Sulphurizing Ferrous Metal.
Claims use since Aug. 15, 1939.

Ser. No. 423,190. WHITE LABORATORIES, INC., Newark, N. J. Filed Aug. 31, 1939.

CLO-COD

No claim is made to the word "Cod" apart from the mark.
For Cod Liver Oil.
Claims use since Aug. 22, 1939.

Ser. No. 423,443. GABRIELLE SORINO, New York, N. Y. Filed Sept. 8, 1939.

Pasteurized

No claim is made to the word "Pasteurized" apart from the mark.
For Talcum Powder, Talc, Body Talc, Bath Dusting Powder, Face Powder, Deodorant Powder, and After-Shave Talcum Powder.
Claims use since May 19, 1939.

Ser. No. 423,528. FRED FEAR & Co., Brooklyn, N. Y. Filed Sept. 12, 1939.

PRESTO

For Coloring for Foods and Easter Eggs.
Claims use since September, 1933.

Ser. No. 423,801. CURRY LABORATORY, Camden, N. J. Filed Sept. 21, 1939.

Derma-Charm

For Medicine Used Externally for Treatment of Skin Rashes and Eruptions and for Some Forms of Acne and Eczema.
Claims use since Dec. 1, 1931.

Ser. No. 423,806. THE GENERAL PHARMACAL COMPANY, INC., Louisville, Ky. Filed Sept. 21, 1939.

NE-O-PED

For Foot Lotion.
Claims use since Jan. 2, 1938.

Ser. No. 423,865. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Sept. 22, 1939.

CEREMUL

For Emulsifiable Wax Compositions and Wax Emulsions for Sizing Paper and Other Industrial Uses.
Claims use since Aug. 9, 1939.

Ser. No. 423,880. FULCOM LABORATORIES, INC., New York, N. Y. Filed Sept. 23, 1939.

FULCOM

For Preparation Used in the Treatment of Vitamin B Deficiency Conditions.
Claims use since July 1, 1939.

Ser. No. 423,948. CHARLES C. HASKELL & Co., INC., Richmond, Va. Filed Sept. 26, 1939.

BELPHEDRIBARB

For Antispasmodic-Sedative Pharmaceutical Preparation in Tablet Form.
Claims use since Aug. 26, 1939.

Ser. No. 424,015. PARFUMS CHARBERT, INC., New York, N. Y. Filed Sept. 28, 1939.

DRUMFIRE

For Lipstick.
Claims use since Sept. 20, 1939.

Ser. No. 424,183. THE SOLVAY PROCESS COMPANY, New York, N. Y. Filed Oct. 3, 1939.

ANCHOR BRAND

The word "Brand" per se is disclaimed.
For Caustic Soda.
Claims use since April, 1923.

Ser. No. 424,198. ENRICH PRODUCTS CO., INC., New York, N. Y. Filed Oct. 4, 1939.

RITAMINE

For Vitamin and Mineral Capsule.
Claims use since Apr. 25, 1938.

Ser. No. 424,342. CHARLES PARKER BROWN, Santa Fe, N. Mex. Filed Oct. 9, 1939.

CHAPEX

For Preparation Used in the Treatment of Chapped Hands and the Like.
Claims use since Oct. 3, 1939.

Ser. No. 424,363. NYAL COMPANY, Detroit, Mich. Filed Oct. 9, 1939.

FEDSURP

For Medicinal Preparation Used in the Treatment of Coughs and Colds.
Claims use since Sept. 25, 1939.

Ser. No. 424,398. VIOLET F. KAY, doing business as Charles S. Kay Mfg. Chemists, Detroit, Mich. Filed Oct. 10, 1939.

NAPS

For Sedative Particularly Useful for the Relief of Insomnia or Sleeplessness.
Claims use since Sept. 1, 1937.

Ser. No. 424,468. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Oct. 12, 1939.

Paramí

Por Perfume, Toilet Water, Face Lotion, Face Powder, Brilliantine, Lipstick, Rouge, and Talc Powder.
Claims use since April 9, 1936.

Ser. No. 424,494. THE PRODUCTS DEVELOPMENT CO., INC., La Crosse, Wis. Filed Oct. 12, 1939.

PDC

For Foot Liniment for the Treatment of Athlete's Foot.
Claims use since Oct. 5, 1939.

Ser. No. 424,508. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Oct. 12, 1939.

GLENYL

For Combination of Dicalcium Phosphate, Calcium Gluconate, and Vitamin D for Prophylaxis of Calcium, Phosphorus, and Vitamin D Deficiency.
Claims use since Sept. 16, 1939.

Ser. No. 424,516. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Oct. 13, 1939.

METALAN

For Dyes and Dyestuffs.
Claims use since Sept. 22, 1939.

Ser. No. 424,625. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif., and Buffalo, N. Y. Filed Oct. 17, 1939.

CALCICAPS

For Calcium Tablets Containing Vitamin D.
Claims use since Oct. 7, 1939.

Ser. No. 424,626. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif., and Buffalo, N. Y. Filed Oct. 17, 1939.

TRI-NUTRIN

For Yeast Tablets Containing Vitamin D.
Claims use since Oct. 5, 1939.

Ser. No. 424,683. COTY, INC., New York, N. Y. Filed Oct. 19, 1939.

MAGNET TONE

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, and Rouges.
Claims use since Oct. 17, 1939.

Ser. No. 424,747. RALPH S. WILLARD, doing business as Runix Manufacturing Co., Los Angeles, Calif. Filed Oct. 20, 1939.

RUNIX

For Run-Resisting Compound for Hosiery, Lingerie, and Silk and Rayon Fabrics.
Claims use since Oct. 9, 1939.

Ser. No. 424,789. TACO PRODUCTS, INC., New York, N. Y. Filed Oct. 21, 1939.

TACO

For Face Creams and Preparations for the Treatment of the Skin.
Claims use since June 23, 1939.

Ser. No. 424,819. NYAL COMPANY, Detroit, Mich. Filed Oct. 23, 1939.

BLUE DUSK

For Perfume.
Claims use since Sept. 25, 1939

Ser. No. 424,820. NYAL COMPANY, Detroit, Mich. Filed Oct. 23, 1939.

JUNE MIST

For Perfume.
Claims use since Sept. 25, 1939.

Ser. No. 424,853. L. & S. HOG TONIC CO., Midville, Ga. Filed Oct. 24, 1939.

L & S

For Tonic and Worming Preparation for Poultry, Dogs, and Livestock, Particularly Hogs.
Claims use since Sept. 1, 1939.

Ser. No. 425,067. E. R. SQUIBB & SONS, New York, N. Y. Filed Oct. 30, 1939.

ESTROSYN

For Estrogenic Preparations.
Claims use since Oct. 17, 1939.

CLASS 7

Cordage

Ser. No. 424,823. ROCKY MOUNT CORD COMPANY, INCORPORATED, Rocky Mount, N. C. Filed Oct. 23, 1939.

MERIDIAN

FLASH

For Braided Cords.
Claims use since Oct. 7, 1939.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 418,379. SUHLER WAFFENWERK, GEBRÜDER MERKEL, Suhl/Thuringia, Germany. Filed Apr. 17, 1939.

Gebrüder Merkel

The trade-mark is in the handwriting of Ernst Merkel, a member of the applicant firm.
For Shot Guns and Rifles.
Claims use since March, 1925.

CLASS 12

Construction Materials

Ser. No. 417,603. ASBESTOS CEMENT PIPES, INCORPORATED, New York, N. Y. Filed Mar. 29, 1939.

"DURALITE"

For Asbestos Cement Pipe.
Claims use since Mar. 1, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 409,640. CLAMP NAIL COMPANY, Chicago, Ill. Filed Aug. 16, 1938.

MITR-TITES

For Metal Miter Fastening Cleats.
Claims use since June 27, 1938.

Ser. No. 424,224. CONMAR PRODUCTS CORPORATION, Bayonne, N. J. Filed Oct. 5, 1939.

THE "MAJOR"

For Slide Fasteners.
Claims use since Aug. 28, 1939.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 424,576. THE CAR-MOR METAL COMPANY, INC., Philadelphia, Pa. Filed Oct. 16, 1939.

ARISTOCR-AT

For Babbitt Metal.
Claims use since Jan. 15, 1935.

CLASS 15

Oils and Greases

Ser. No. 417,830. WILL & BAUMER CANDLE CO., INC., Syracuse, N. Y. Filed Apr. 3, 1939.

Sno - Drip

The word "Drip" is disclaimed apart from the mark.
For Candles.
Claims use since Sept. 1, 1937.

Ser. No. 424,237. MACMILLIAN & CAMERON CO., Wilmington, N. C. Filed Oct. 5, 1939.

CAMAC

For Motor Oil.
Claims use since Jan. 15, 1932.

Ser. No. 424,244. EDWARD H. K. SANXAY, doing business as E. H. Kellogg & Company, New York, N. Y. Filed Oct. 5, 1939.



GORGON

For Lubricating Oils.
Claims use since Feb. 1, 1932.

Ser. No. 424,317. THE TEXAS COMPANY, New York, N. Y. Filed Oct. 7, 1939.

PYRAK

For Lubricating Greases.
Claims use since Sept. 26, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 421,221. LANCO PRODUCTS COMPANY, Brooklyn, N. Y. Filed June 29, 1939.

Duchess

For No-Rubbing Floor Wax.
Claims use since Jan. 1, 1938.

Ser. No. 424,615. ATLANTIC CALSOMINE CO., INC., Brooklyn, N. Y. Filed Oct. 17, 1939.

CAL-TOP

For Mixed Paint.
Claims use since Sept. 25, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 339,739. RADIO INDUSTRIES CORPORATION, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y. Filed July 13, 1933.

RADIOTYPE

For Electrical Selecting and Electrical Synchronizing Apparatus Used in Electrical Communication Systems.
Claims use since June 22, 1933.

Ser. No. 410,328. KENNECOTT WIRE AND CABLE COMPANY, Phillipsdale, R. I. Filed Sept. 7, 1938.



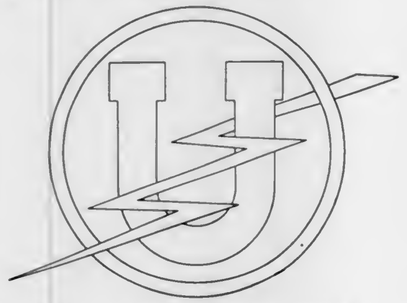
For Bare and Insulated Copper and Copper-Alloy Wires, Cables, and Cordage Used for Electrical Purposes.
Claims use since November, 1882.

Ser. No. 417,447. THE ELECTRIC CONTROLLER & MFG. CO., Cleveland, Ohio. Filed Mar. 24, 1939.

NEO-TIME

The representation of the name plate is disclaimed and the word "Time" apart from "Neo" is disclaimed.
For Electric Timing Controllers Operative Other than in Relation to Current Flow in the Circuit Being Controlled, Wherein the Timing Periods are Dependent Upon the Electrical Condition of a Condenser.
Claims use since Mar. 15, 1939.

Ser. No. 421,681. UNIVERSAL MICROPHONE CO., LTD., Inglewood, Calif. Filed July 17, 1939.



For Microphones, Vacuum Tube Amplifiers.
Claims use since June 10, 1938.

Ser. No. 422,091. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany. Filed July 29, 1939.



The word "Hartemittel" is disclaimed apart from the mark.
For Preheaters for Use in Metallurgical Processes for Preheating Metals, and Electrodes for Electrical Furnaces.
Claims use since 1929.

Ser. No. 423,283. THE WILCOX-GAY CORPORATION, Charlotte, Mich. Filed Sept. 2, 1939.

RECORDIO

For Apparatus Used in Radio and Television Receivers and Recording and Playback Machines and Equipment for Use in Receiving Radio Broadcasts, and Recording and Playing Back Generally and Combinations of the Same.
Claims use since June 12, 1939.

Ser. No. 424,495. RCA MANUFACTURING COMPANY, INC., Camden and Harrison, N. J. Filed Oct. 12, 1939.



MAGIC EYE

For Television Apparatus Such as Television Tubes
Claims use since Aug. 3, 1939.

Ser. No. 424,496. RCA MANUFACTURING COMPANY, INC., Camden and Harrison, N. J. Filed Oct. 12, 1939.

ORTHICON

For Television Apparatus such as Television Tubes.
Claims use since Aug. 10, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 400,997. JOSEPH SCHOR, doing business as Schor Manufacturers, San Francisco, Calif. Filed Dec. 17, 1937.

SEE SCHOR

No claim is made to the word "Schor" apart from the mark.
For Fishing Tackle—Namely, Blue Steel Cable Leaders, Stainless Steel Cable Leaders, Bronzed Cable Leaders, Aircraft Cable Leaders, Swivels, and Rings.
Claims use since Nov. 2, 1937.

Ser. No. 423,910. DAISY MANUFACTURING COMPANY, Plymouth, Mich. Filed Sept. 25, 1939.

TARGET BUSTER

The word "Target" is disclaimed apart from the mark.
For Target Game.
Claims use since May 20, 1939.

Ser. No. 424,301. WILLIAM W. VANDER CLUTE, Elizabeth, N. J. Filed Oct. 7, 1939.



For Board Games Played with Movable Pieces.
Claims use since Sept. 16, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 414,896. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 16, 1939.

HANDIMAN

For Garden Tractors.
Claims use since Feb. 1, 1931.

Ser. No. 420,599. REMINGTON RAND INC., Buffalo, N. Y. Filed June 16, 1939. Under section 5b of the act of 1905 as amended in 1920.

RAND

For Electric Dry Shavers and Parts Thereof, and Typewriting Machines and Parts Thereof.
Claims use since Mar. 16, 1937 on said shavers; and since Mar. 3, 1932 on said typewriters.

Ser. No. 421,061. AMERICAN-MARSH PUMPS, INC., Battle Creek, Mich. Filed June 29, 1939.

HOMOVITOR

For Homogenizing Apparatus for the Treatment of Milk, Cream, Ice Cream Mixtures, Solid Mixtures, and the Like.
Claims use since Apr. 6, 1939.

Ser. No. 422,774. DIAMOND COREBIT & TOOL CO., INC., New York, N. Y. Filed Aug. 19, 1939.

ASCOLITE

For Diamond Drilling Core Bits and Diamond Drilling Core Crowns and Diamond Dressing Tools, and Parts Thereof.
Claims use since Feb. 20, 1939.

Ser. No. 424,267. JACK GALTER, Chicago, Ill. Filed Oct. 6, 1939.

SKY CHIEF

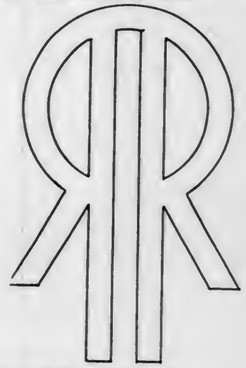
For Internal Combustion Motors.
Claims use since May 7, 1938.

Ser. No. 424,348. THE EIMCO CORPORATION, Salt Lake City, Utah. Filed Oct. 9, 1939.

POWER-HORSE

For Motor Tractors and Parts Thereof.
Claims use since May 1, 1939.

Ser. No. 424,442. THE ROTO-SHAVER INCORPORATED, New York, N. Y. Filed Oct. 11, 1939.



For Electric Shavers.
Claims use since Aug. 18, 1939.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 410,410. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 9, 1938.

Darko

For Sensitized Paper for Photographic Purposes.
Claims use since December, 1910.

Ser. No. 424,541. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Oct. 14, 1939.

VIGILANT

For Photographic Cameras.
Claims use since Oct. 3, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 421,026. CIRO OF BOND ST., INC., New York, N. Y. Filed June 28, 1939.

"LIGHT OF ASIA"

No claim is made to the word "Asia" apart from the mark.
For Jewelry Containing Precious and Semi-Precious Stones for Personal Wear and Adornment, Not Including Watches.
Claims use since June 2, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 418,909. WHITEHALL EQUIPMENT CO., INC., New York, N. Y. Filed Apr. 29, 1939.

WECO PRODUCTS

The word "Products" is disclaimed apart from the mark.
For Draft Regulating Dampers, Boiler Auxiliary Water Sections, Indirect Water Heating Coils, Tankless Water Heating Coils.
Claims use since March, 1937.

Ser. No. 423,700. GULF BREEZE COMPANY, INCORPORATED, Dallas, Tex. Filed Sept. 18, 1939.

FORCED AIR FLOOR

The notation "Forced Air Floor" is disclaimed apart from the mark.
For Air Conditioning Gas Heaters.
Claims use since Oct. 1, 1938.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 415,454. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Jan. 31, 1939.

LIFE-SAVER

For Pneumatic Tires.
Claims use since Feb. 1, 1933.

Ser. No. 415,738. THE PEP BOYS—MANNY, MOE & JACK, Philadelphia, Pa. Filed Feb. 7, 1939.

Cornell Clipper

No claim is made to the word "Cornell" apart from the mark.
For Pneumatic Rubber Tires, Pneumatic Tire Casings, and Tubes.
Claims use since Jan. 1, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 424,260. DICTAPHONE CORPORATION, Bridgeport, Conn. Filed Oct. 6, 1939.

ACOUSTICORD

For Sound Recorders Forming Parts of Commercial Phonographs.
Claims use since Sept. 15, 1939.

CLASS 37

Paper and Stationery

Ser. No. 421,118. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed June 30, 1939.



For Pencils, Mechanical Pencils, Penholders, Erasers; Companion Boxes, i. e., Boxes and Pouches Containing Assortments of Pencils, Penholders, Pens, Crayons, Mechanical Pencils, Refill Leads; Crayons (Colored Pencils), Rubber Bands, Compasses, Pencil Leads, Copying Pencils, Pencil Clips; and Pencil Sharpeners.
Claims use since Jan. 10, 1903, on pencils; since 1921, on mechanical pencils; since 1924, on penholders; since Mar. 1, 1915, on erasers; since Sept. 27, 1928, on companion boxes, i. e., boxes and pouches containing assortments of pencils, penholders, pens, crayons, mechanical pencils, refill leads; since 1923, on crayons (colored pencils); since 1915, on rubber bands; since Mar. 3, 1933, on compasses; since Aug. 22, 1927, on pencil leads; since 1907, on copying pencils; since June 9, 1923, on pencil clips; and since Jan. 2, 1920, on pencil sharpeners.

Ser. No. 421,609. THE HAMILTON AUTOGRAPHIC REGISTER CO., Hamilton, Ohio. Filed July 15, 1939.

Flo-Rite

For Manifolding Paper.
Claims use since Jan. 17, 1939.

Ser. No. 421,633. BEN MONT PAPERS, INC., Bennington, Vt. Filed July 17, 1939.

Ben Mont mastercraft

No claim is made for the word "Mastercraft" apart from the mark.
For Waxed Paper, Waxed Paper Lunch Rolls, Dry and Waxed Shredded Paper, Christmas Wrapping Paper,

Shelf Paper, Fancy Paper, Candy Wraps, Paper Tissues, Paper Ribbons, Cellulose Wraps, Printed Papers, Embossed Papers, Industrial Waxed Paper, Paper Butter Wraps, Paper Butter Rolls, Lunch Rolls, Slip Sheet Folders, Dry Waxed Paper, Waxed Lunch Paper, and Waxed Paper in Continuous Rolls for Household Use, 12 Lb. Waxed Tissue, Glassine Paper, Roll Paper Towels, Party Towels, Polishing Paper Rolls, Paper Lampshade Tape, Tissue Ties, Cellulose Wrappers, Shelf Papers, Shredded Papers, Holiday Tissues, Holly Wrappings, Heavy Wrappings, Fancy Wrappings, Paper Pie Tape, Bulk 29½ Inch Paper Rolls, Paper Napkins, Paper Shoe Polishing Cloths, Paper Doilies, Paper Draperies, Box Cover Papers, Printed Shelf Papers, Printed Towels, Paper Aprons, Paper Sheets, Paper Pillow Cases, and Paper Novelties.

Claims use since Mar. 5, 1923.

Ser. No. 421,841. BEN MONT PAPERS, INC., Bennington, Vt. Filed July 22, 1939.

Ben Mont

For Waxed Paper, Waxed Paper Lunch Rolls, Dry and Waxed Shredded Paper; Christmas Wrapping Paper, Shelf Paper, Fancy Papers, Candy Wraps, Paper Tissues, Paper Ribbons, Cellulose Wraps, Printed Papers, Embossed Papers, Industrial Waxed Paper, Paper Butter Wraps, Paper Butter Rolls, Paper Lunch Rolls, Slip Sheet Folders, Dry Waxed Paper, Waxed Lunch Paper, and Waxed Paper in Continuous Rolls for Household Use, 12 Lb. Waxed Tissue, Glassine Paper, Roll Paper Towels, Party Towels, Polishing Paper Rolls, Paper Lampshade Tape, Tissue Ties, Cellulose Wrappers, Shelf Papers, Shredded Papers, Holiday Tissues, Holly Wrappings, Heavy Wrappings, Fancy Wrappings, Paper Pie Tape, Bulk 29½ Inch Paper Rolls, Paper Napkins, Paper Shoe Polishing Cloths, Paper Doilies, Paper Draperies, Box Cover Papers, Printed Shelf Papers, Printed Towels, Paper Aprons, Paper Sheets, Paper Pillow Cases, and Paper Novelties.

Claims use since Mar. 5, 1923.

Ser. No. 423,926. ROYAL LACE PAPER WORKS, Brooklyn, N. Y. Filed Sept. 25, 1939.

ROYL-WRAP

No claim is made for the word "Wrap" apart from the mark.

For Shelf and Wrapping Paper.

Claims use since Aug. 7, 1939.

Ser. No. 423,987. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y. Filed Sept. 27, 1939.

Tom Sawyer

The mark as presented on the drawing is the name of a fictitious character originated by Samuel L. Clemens.

For Crayons.

Claims use since January, 1931.

Ser. No. 424,178. OXFORD FILING SUPPLY CO., Brooklyn, N. Y. Filed Oct. 3, 1939.

THINDEX

For Cards, Folders, and Sheets Having Indicia Holding Means Mounted on the Tab or Upper Margin of the Article.

Claims use since Sept. 12, 1939.

Ser. No. 424,285. A. P. W. PAPER COMPANY, INC., Albany, N. Y. Filed Oct. 7, 1939.



For Toilet Paper.

Claims use since Sept. 29, 1939.

Ser. No. 424,353. THE J. C. HALL COMPANY, Providence, R. I. Filed Oct. 9, 1939.



For Check Books, Safety Paper, Checks, and Negotiable Instruments.

Claims use since Sept. 2, 1925.

Ser. No. 424,368. PROCO MFG. CO., San Francisco, Calif. Filed Oct. 9, 1939.

PROCO

For Paper Toilet Seat Covers and Paper Dispensers for Same.

Claims use since Sept. 27, 1939.

Ser. No. 424,423. HAROLD E. COLE, doing business as W. M. Dizer & Company, Taunton, Mass. Filed Oct. 11, 1939.

ACCOMPLISH

For Typewriter Paper.

Claims use since June 15, 1928.

CLASS 38

Prints and Publications

Ser. No. 413,600. STINSON SCHOOL OF AVIATION INC., Long Island City, N. Y. Filed Dec. 8, 1938.

AIRCRAFTSMAN

For School Newspaper, Published Bi-Monthly.

Claims use since May 10, 1938.

Ser. No. 413,601. STINSON SCHOOL OF AVIATION INC., Long Island City, N. Y. Filed Dec. 8, 1938.

AIRMECHANIC

For Section of a School Newspaper.

Claims use since May 10, 1938.

Ser. No. 422,242. THE EVENING NEWS PUBLISHING COMPANY, Dayton, Ohio. Filed Aug. 3, 1939.



The lining of the map forming the background is for shading purposes only. Applicant disclaims the representation of the map apart from the mark.

For Tabloid Picture Supplement.

Claims use since June 11, 1939.

Ser. No. 422,566. SERIALGRAM COMPANY, Sidney, Mont. Filed Aug. 11, 1939.



The words "Program Club System" are disclaimed apart from the mark.

For Printed Paper Folders in the Form of Theater Programs of Coming Attractions, Sold as Such.

Claims use since July 28, 1939.

Ser. No. 423,720. HEARST PUBLICATIONS, INCORPORATED, San Francisco, Calif. Filed Sept. 18, 1939.

Fashions

For Title for a Column of Fashion News and Comment Published in its Daily Newspaper, The Oakland Post Enquirer.

Claims use since July 7, 1939.

Ser. No. 424,121. CARLILE CRUTCHER, Louisville, Ky. Filed Oct. 2, 1939.

FOR WOMEN ONLY

For Column Appearing Periodically in Newspapers.

Claims use since June 6, 1938.

Ser. No. 424,189. AMERICAN SOCIETY OF TOOL ENGINEERS, INC., Detroit, Mich. Filed Oct. 4, 1939.

APPROVED DATA SHEET
AMERICAN SOCIETY OF TOOL ENGINEERS

No claim is made to the words "Approved Data Sheet" apart from the mark.

For Publication Published Three or Four Times Annually.

Claims use since Mar. 1, 1939.

Ser. No. 424,290. BILL BROTHERS PUBLISHING CORPORATION, New York, N. Y. Filed Oct. 7, 1939.

PREMIUM Practice

For Monthly Printed Periodical or Trade Paper.

Claims use since June 30, 1933.

Ser. No. 424,359. KLEIN & GOODMAN, Philadelphia, Pa. Filed Oct. 9, 1939.

CURRENT PHOTOGRAPHY

For Magazine Issued from Time to Time.

Claims use since Sept. 25, 1939.

CLASS 39

Clothing

Ser. No. 414,278. JOSEPH STEIN COATS, INC., New York, N. Y. Filed Dec. 28, 1938.



The words "Virgin Wool Suede" are disclaimed apart from the mark.

For Ladies' and Misses' Coats, Suits.

Claims use since Dec. 10, 1938.

Ser. No. 423,012. THEBEST MILLS CO., New York, N. Y. Filed Aug. 25, 1939.

Fluffies

For Men's, Women's, and Children's Jackets, Blouses, Sweaters, Dresses, Suits, Outer Skirts, Coats, Bathing Suits, Slacks, Polo Shirts, Play Suits, and Capes.

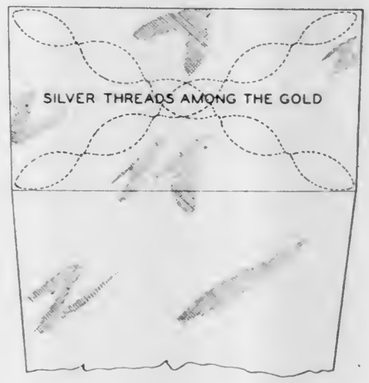
Claims use since Sept. 1, 1938.

Ser. No. 423,509. A. SAGNER & SONS, INC., Baltimore, Md. Filed Sept. 11, 1939.

ANGLO BREEZE

The word "Anglo" is disclaimed apart from the mark
For Men's and Women's Suits.
Claims use since July 17, 1939.

Ser. No. 423,755. CLAUDE H. DANIELS, East Portchester, Greenwich, Conn. Filed Sept. 20, 1939.



The representation of the stocking top is disclaimed apart from the mark.
For Hosiery for Men, Women, and Children.
Claims use since July 5, 1939.

Ser. No. 423,951. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Sept. 26, 1939.

WINTER KING
Fleece

Applicant disclaims the word "Fleece" except as shown.
For Men's Overcoats.
Claims use since July 1, 1939.

Ser. No. 424,005. HART, SCHAFFNER & MARX, Chicago, Ill. Filed Sept. 28, 1939.

Chadburne Clothes

"The name is Chadburne, Sir!"

No claim is made to the word "Clothes" apart from the mark.
For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Aug. 25, 1939.

Ser. No. 424,071. THE WARD-STILSON COMPANY, Anderson, Ind. Filed Sept. 29, 1939.



MAISONETTE

For Hosiery.
Claims use since Aug. 28, 1939.

Ser. No. 424,200. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Oct. 4, 1939.

Mix-Ups

For Clothing for Men, Women, Girls, and Boys Comprising Coats, Vests, Trousers, Shorts, Slacks, Jackets, Blouses, Sweaters, and Skirts.
Claims use since Mar. 13, 1935.

Ser. No. 424,262. GUS EDELSTEIN BRO. & CO., New York, N. Y. Filed Oct. 6, 1939.

FLEXWELT

For Hosiery.
Claims use since September, 1932.

Ser. No. 424,307. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Oct. 7, 1939.



For Hosiery.
Claims use since May 20, 1939.

Ser. No. 424,323. D. SIEGEL CO., New York, N. Y. Filed Oct. 7, 1939.



For Men's and Women's Suits, Top Coats, Overcoats, Rain Coats, Sport Jackets, and Riding Habits.
Claims use since Sept. 15, 1939.

Ser. No. 424,358. MAX H. KESSLER CO., Atlanta, Ga. Filed Oct. 9, 1939.

GERI-GENE

For Infants' and Children's Underwear, and Infants' Wraps.
Claims use since April, 1939.

Ser. No. 424,365. PEERLESS UNDERGARMENT CO., New York, N. Y. Filed Oct. 9, 1939.

Lady Peer



For Ladies' Underwear — Namely, Nightgowns, Slips, Panties, Chemises, and Pajamas, of Cotton, Rayon, and Silk Material.
Claims use since June 17, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 420,137. LOUISVILLE TEXTILES, INCORPORATED, Louisville, Ky. Filed June 3, 1939.

CATOLOGNE

For Cloth Upholstery, Drapery, and Decorative Ribbed Flat Fabrics (Manufactured in the Piece from One or More of the Following: Vegetable Fibers Such as Cotton, Linen, Jute, Ramie, and the Like; and Animal Fibers Such as Wool, Mohair, Angora, Vicuna, and the Like; and Synthetic Fibers Such as Rayon and Pulp).
Claims use since May 24, 1939.

Ser. No. 421,861. PRINCETON SILK CORP., New York, N. Y. Filed July 22, 1939.

SATIN-CHARM

The word "Satin" is disclaimed apart from the mark.
For Piece Goods of Silk, Rayon, and Acetate.
Claims use since July 1, 1939.

Ser. No. 423,188. WASHINGTON MILLS COMPANY, Mayodan and Winston-Salem, N. C., and Fries, Va. Filed Aug. 31, 1939.



The drawing is lined for the colors red and blue. The words "Fine" and "Sheeting" and the grade mark "LL" are disclaimed apart from the mark.
For Woven Cotton Sheeting.
Claims use since May 31, 1939.

Ser. No. 423,687. BENJAMIN VINE, Haddonfield, N. J. Filed Sept. 16, 1939.

"VINTEX"

For Dish Cloths, Cloth Pot Holders, Scrub Cloths, Untreated Dust Cloths, and Untreated Polishing Cloths.
Claims use since Dec. 1, 1933.

CLASS 43

Thread and Yarn

Ser. No. 419,433. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed May 15, 1939.

NORTH AMERICAN RAYON
THE KEY TO QUALITY

The words "North American Rayon" are disclaimed apart from the mark.
For Thread and Yarn of Artificial Origin.
Claims use since Feb. 21, 1939.

Ser. No. 424,232. BERKELEY L. HATHORNE, New York, N. Y. Filed Oct. 5, 1939.

RESILYON

For Yarns.
Claims use since Sept. 7, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 415,501. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed Feb. 2, 1939.

SPECTACON

For Eye Glass Frame Supported Electrical Hearing Aid Devices and Parts Thereof.
Claims use since Nov. 15, 1938.

Ser. No. 419,986. THE VIBRAMOTOR CO., Los Angeles, Calif. Filed May 29, 1939.

VI-ADER

For Electrically Operated Human Body Vibrating Machines.
Claims use since May 18, 1938.

Ser. No. 422,989. MABEL M. DYE, doing business as Daints, Detroit, Mich. Filed Aug. 25, 1939.

daints

For Tampon Type of Catamenial Bandage.
Claims use since June 27, 1938.

Ser. No. 424,180. THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn. Filed Oct. 3, 1939.

HUSKY TAPE

The word "Tape" is disclaimed apart from the mark.
For Adhesive Tape.
Claims use since Sept. 21, 1939.

Ser. No. 424,362. NYAL COMPANY, Detroit, Mich. Filed Oct. 9, 1939.

NOREG

For Hot Water Bottles, Fountain Syringes, and Combination Fountain Syringes and Hot Water Bottles.
Claims use since Sept. 12, 1939.

Ser. No. 424,378. WICKSTROM-BAHR, INC., Sioux Falls, S. Dak. Filed Oct. 9, 1939.

TOPS

The lining on the drawing represents the color red.
For Permanent Waving Pads for Machineless and Electrical Methods of Permanent Waving.
Claims use since May 1, 1939.

CLASS 45

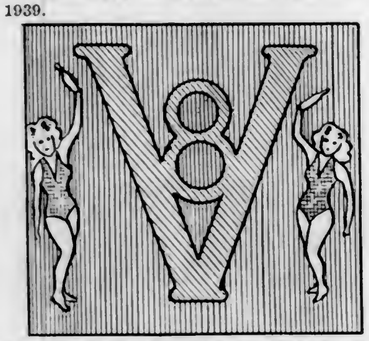
Beverages, Nonalcoholic

Ser. No. 420,413. ALVYN A. HUNGERFORD, Raleigh, N. C. Filed June 12, 1939.

PEPPO

The drawing is lined for orange.
For Nonalcoholic Maltless Carbonated Beverages and Syrups Used in Making the Same.
Claims use since January, 1933.

Ser. No. 421,706. JOSEPH ANTONIO LICO AND ELMER RICHARD LICO, Pajaro, Watsonville, Calif. Filed July 18, 1939.



The drawing is lined for green, red, and yellow.
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since Jan. 3, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 397,727. SCHULZE BAKING COMPANY, Kansas City, Mo.; Chicago, Peoria, and Springfield, Ill.; Cincinnati, Ohio; Omaha, Nebr.; Grand Rapids, Mich.; and Des Moines, Iowa, assignor to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware. Filed Sept. 23, 1937.

Dolly Madison

Applicant is owner of trade-mark registration 97,621 of June 16, 1914.
For Bakery Sweet Goods—Namely, Cakes, Soft Cakes, Angel Food Cakes, Fruit Cakes, Doughnuts, Cookies, and Sweet Rolls.
Claims use since Nov. 12, 1912.

Ser. No. 410,433. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky. Filed Sept. 10, 1938.

SOF-T-SALT

No claim is made to the word "Salt" apart from the mark.
For Rock and Evaporated Salt.
Claims use since Aug. 29, 1938.

Ser. No. 411,116. AMERICAN DAIRIES, INCORPORATED, Kansas City, Mo. Filed Sept. 30, 1938.

CEROGRAS

The drawing is hatched for green.
For Feed for Livestock, Poultry, Fish in Fish Hatcheries, Fur Bearing Animals on Fur Farms.
Claims use since June 14, 1938.

Ser. No. 411,122. FREMONT CANNING COMPANY, doing business as Gerber Products Company, Fremont, Mich. Filed Sept. 30, 1938.



The picture of the child is merely fanciful.
For Canned Vegetables, Canned Fruits, Canned Soups and Cereals in the Nature of Breakfast Foods.
Claims use since Dec. 15, 1937.

Ser. No. 416,181. DORMAN FARMS CO., Holtville, Calif. Filed Feb. 18, 1939.

Winter Garden

For Fresh Vegetables and Melons.
Claims use since Jan. 15, 1934.

Ser. No. 418,554. FRED MEYER, INC., Portland, Oreg. Filed Apr. 15, 1939.

Fred Meyer
FRENCH SLENDOL
"Kitchen-made"

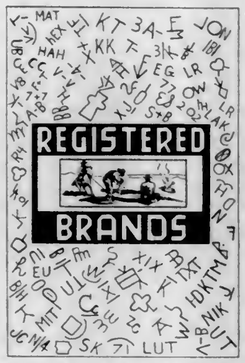
The drawing is lined for green. Applicant disclaims the words "French", "Kitchen-Made" and the representation of the label apart from the mark.
For Condiments—Namely, Salad Dressing.
Claims use since Apr. 1, 1936.

Ser. No. 419,170. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn. Filed May 6, 1939.

Kreemix

For Vegetable Shortening.
Claims use since Apr. 21, 1939.

Ser. No. 421,385. J. R. McMAHON, doing business as McMahon Company, Rapid City, S. Dak. Filed July 8, 1939.



Applicant disclaims the words "Registered Brands" except as shown.
For Stock Feeds Made Partly from Grain.
Claims use since Dec. 1, 1937.

Ser. No. 421,426. CLARK J. FILES, doing business as Oh-My Chocolate Co., Toledo, Ohio. Filed July 10, 1939.

OH-MY

For Chocolate Milk and Syrup Therefor.
Claims use since Mar. 29, 1933.

Ser. No. 422,188. WEGNER CANNING CO., INC., Sodus, N. Y. Filed Aug. 1, 1939.

SilverShore

For Canned Fruits and Canned Vegetables.
Claims use since July 10, 1939.

Ser. No. 422,610. MARKO ZANINOVICH, doing business as M. Zaninovich, Delano and Earlimart, Calif. Filed Aug. 14, 1939.

SUPERSWEET

No claim is made to the word "Sweet" apart from the mark.
For Fresh Grapes.
Claims use since Apr. 9, 1928.

Ser. No. 422,629. INGRASSIA & LA SCALA, Middletown, N. Y. Filed Aug. 15, 1939.

FRANK'S BEST

No claim is made to the word "Best" apart from the mark.
For Fresh Celery, Lettuce, and Onions.
Claims use since July 13, 1939.

Ser. No. 422,853. PARL O. ECKELS, doing business as Tasty Food Products, Cleveland, Ohio. Filed Aug. 22, 1939.

POP EARS

No claim is made to the word "Pop" apart from the mark.
For Confections, That Is, Cereals Such as Pop Corn and the Like Held in Mass with a Sugar Binder.
Claims use since July 12, 1939.

Ser. No. 423,061. A. W. HUTCHINSON, Goulds, Fla. Filed Aug. 28, 1939.

BLUE BOOK

For Fresh Vegetables.
Claims use since July 29, 1939.

Ser. No. 423,142. THE NEW ENGLAND MAPLE SYRUP CO., Chelsea, Mass. Filed Aug. 30, 1939.



No claim is made to any wording except "Hill" and "The New England Maple Syrup Co." except as shown.
For Pure Maple Sap Syrup.
Claims use since Oct. 1, 1934.

Ser. No. 423,424. THE LARSEN COMPANY, Green Bay, Wis. Filed Sept. 8, 1939.

VAPOR-VAC

The word "Vapor" is disclaimed apart from the mark
For Canned Vegetables and Canned Potatoes.
Claims use since July 25, 1939.

Ser. No. 423,553. J. COLONNA, doing business as Italian Kitchen Food Products, North Bergen, N. J. Filed Sept. 13, 1939.

Italian KITCHEN

No claim is made to the word "Italian" apart from the mark.
For Cheese.
Claims use since July 18, 1939.

Ser. No. 423,626. DAILY COFFEE SERVICE INC., Cleveland, Ohio. Filed Sept. 15, 1939.

J'aroma

The word "Aroma" is disclaimed apart from the mark.
For Coffee.
Claims use since Sept. 6, 1939.

Ser. No. 423,646. HANOVER FOOD PRODUCTS COMPANY, Baltimore, Md. Filed Sept. 16, 1939.

FLAKIT

For Vegetable Shortening.
Claims use since Aug. 28, 1939.

Ser. No. 423,647. HANOVER FOOD PRODUCTS COMPANY, Baltimore, Md. Filed Sept. 16, 1939.

HANOLA

For Vegetable Shortening and Oleomargarine.
Claims use since Aug. 28, 1939.

Ser. No. 423,650. HANOVER FOOD PRODUCTS COMPANY, Baltimore, Md. Filed Sept. 16, 1939.

WINOLA

For Vegetable Shortening and Oleomargarine.
Claims use since Aug. 28, 1939.

Ser. No. 423,775. PET MILK COMPANY, St. Louis, Mo. Filed Sept. 20, 1939.

ECONOMY

Applicant is the owner of trade-mark registration No. 118,412, registered September 4, 1917.
For Powdered Skim Milk.
Claims use since Feb. 25, 1937.

Ser. No. 423,848. JOSEPH J. ALLEGRETTI, doing business as Fresno Food Products Co., Fresno, Calif. Filed Sept. 22, 1939.

RAIS'N-M-UP



The word "Rais'n" is disclaimed apart from the mark.
For Sandwich Spread.
Claims use since Aug. 29, 1939.

Ser. No. 423,965. ANDERSEN-SMITH MILLING CO., San Francisco, Calif. Filed Sept. 27, 1939.

MINERALEIN

For Feeding Stuffs, Especially Stock and Poultry Feeds Containing Minerals.
Claims use since June 30, 1933.

Ser. No. 424,191. JOSEPH BARBUSCIA, doing business as Palomar Olive Products Co., Fallbrook, Calif. Filed Oct. 4, 1939.



For Olive Oil.
Claims use since Nov. 29, 1937.

Ser. No. 424,406. ANTHONY ORLANDELLA, doing business as A. Orlandella, Boston, Mass., and Lodi, Calif. Filed Oct. 10, 1939.



For Fresh Fruits—Namely, Fresh Grapes.
Claims use since Sept. 2, 1939.

Ser. No. 424,411. M. J. SATTINGER, doing business as Ritzi Packing Co., Los Angeles, Calif. Filed Oct. 10, 1939.

Ritzi

For Canned Dog and Cat Food.
Claims use since January, 1935.

Ser. No. 424,413. SOUTH PACIFIC CANNING COMPANY, Long Beach, Calif. Filed Oct. 10, 1939.

ME-OW

For Canned Cat Food.
Claims use since Sept. 12, 1939.

Ser. No. 424,441. REYMER & BROTHERS, INC., Pittsburgh, Pa. Filed Oct. 11, 1939.

ZING-O

For Candy.
Claims use since Aug. 10, 1939.

Ser. No. 424,503. THE G. S. SUPPIGER COMPANY, St. Louis, Mo. Filed Oct. 12, 1939.

TOM TURKEY

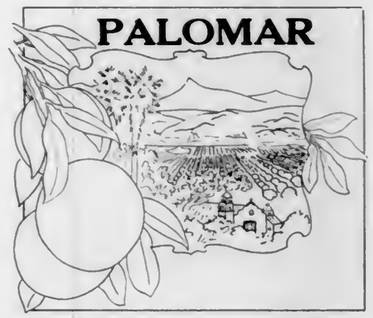
For Canned Pumpkin.
Claims use since July 27, 1939.

Ser. No. 424,520. KNOWLES & FLEMING, New Orleans, La. Filed Oct. 13, 1939.



For Green Coffee.
Claims use since Sept. 6, 1939.

Ser. No. 424,871. ESCONDIDO ORANGE ASSOCIATION, Escondido, Calif. Filed Oct. 25, 1939.



No claim is made to the representation of the fruit.
For Fresh Citrus Fruit.
Claims use since Mar. 12, 1926.

CLASS 47

Wines

Ser. No. 420,329. LIQUOR DISTRIBUTORS OF AMERICA, INC., Newark, N. J. Filed June 9, 1939.



Applicant disclaims use of the word "Vin" separately from the mark as shown.
For Port Wine.
Claims use since May 5, 1939.

Ser. No. 423,577. M. P. TRIBUNO, New York, N. Y. Filed Sept. 13, 1939.

TRIBUNO

VERMOUTH FERNET

M. P. Tribuno

The signature is that of applicant. The words "Vermouth" and "Fernet" are disclaimed apart from the mark.
For Vermouth.
Claims use since Sept. 4, 1938.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 423,919. H. C. MACPHERSON, doing business as Macpherson & Company, San Francisco, Calif. Filed Sept. 25, 1939.

Scottish Castle

The word "Scottish" is disclaimed apart from the mark.
For Whiskey.
Claims use since Jan. 17, 1939.

Ser. No. 424,032. CUMMINS DISTILLERIES CORPORATION, Louisville and Athertonville, Ky. Filed Sept. 29, 1939.

FOUR SCORE



The portrait is fanciful.
For Whiskies.
Claims use since Aug. 20, 1939.

Ser. No. 424,034. CUMMINS DISTILLERIES CORPORATION, Louisville and Athertonville, Ky. Filed Sept. 29, 1939.



For Whiskies.
Claims use since Sept. 1, 1936.

Ser. No. 424,319. WAKEM AND WHIPPLE, INC., Chicago, Ill. Filed Oct. 7, 1939.

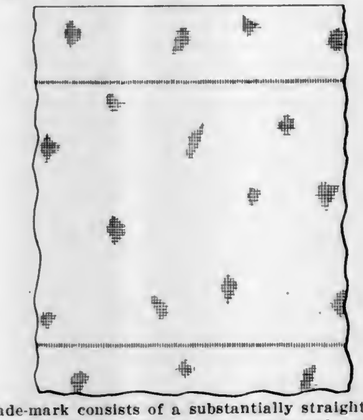
W&W

For Whisky.
Claims use since Apr. 7, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 391,373. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y. Filed Apr. 15, 1937.



Trade-mark consists of a substantially straight narrow red line extending warpwise of the goods and repeated at suitable intervals. No claim is made to the representation of the fabric per se.
For Pile Upholstery Fabrics in the Piece Composed of a Cotton Ground, a Pile of Mohair Mixed or Combined With One or More of the Materials Cotton, Rayon, and Worsted and an Adherent Rubber Composition on the Side of the Fabric Opposite the Pile Face.
Claims use since October, 1934.

Ser. No. 410,627. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Sept. 16, 1938.

BONDED

For Webs of Cork Composition for Cigarette Tipping Purposes.
Claims use since July 25, 1938.

Ser. No. 420,536. LIPSCHULTZ BROS., St. Paul, Minn. Filed June 15, 1939.

"Roll-Do"

For Pastry Rolling Pin Jacket and Pastry Cloth, Sold as a Unit.
Claims use since Oct. 3, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 5, 1939

373,279. BATHING SUITS AND ARTICLES OF BEACHWEAR—NAMELY, HALTERS, TRUNKS, JACKETS, CULOTTES, SLACKS. ART-MOR TOGS, INC., New York, N. Y.
Filed December 24, 1936. Serial No. 387,100. PUBLISHED APRIL 4, 1939. Class 39.

373,280. CANNED FRUITS AND DRIED FRUITS. ATKINS, KROLL & Co., San Francisco, Calif.
Filed November 9, 1937. Serial No. 399,492. PUBLISHED AUGUST 23, 1938. Class 46.

373,281. EVAPORATIVE CONDENSERS FOR AIR CONDITIONING DEVICES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed December 30, 1937. Serial No. 401,410. PUBLISHED JUNE 21, 1938. Class 34.

373,282. FRESH CITRUS FRUIT. HIGHLAND MUTUAL GROVES, INC., Highland, Calif.
Filed March 2, 1938. Serial No. 403,589. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,283. COMBINED CAKE AND ICE CREAM BAR. PENGUIN PIE CO., Los Angeles, Calif.
Filed March 5, 1938. Serial No. 403,734. PUBLISHED OCTOBER 4, 1938. Class 46.

373,284. WHITE SHOE CLEANER AND SHOE POLISHES. GADI, INC., doing business as Gardenia Products Company, Memphis, Tenn.
Filed March 28, 1938. Serial No. 404,622. PUBLISHED SEPTEMBER 26, 1939. Class 4.

373,285. ELECTRIC COILS. NATIONAL ELECTRIC COIL COMPANY, Columbus, Ohio.
Filed May 7, 1938. Serial No. 406,097. PUBLISHED JULY 18, 1939. Class 21.

373,286. BEER, ALE, AND STOUT. V. LOEWER'S GAMBRINUS BREWERY CO., New York, N. Y.
Filed August 9, 1938. Serial No. 409,404. PUBLISHED SEPTEMBER 26, 1939. Class 48.

373,287. FOOD FOR DOMESTIC FOWLS AND ANIMALS, PARTICULARLY POULTRY FOOD, DOG FOOD, CAT FOOD, AND STOCK FOOD. GENERAL MILLS, INC., Minneapolis, Minn.
Filed August 29, 1938. Serial No. 410,074. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,288. CONCENTRATE FOR MAKING NON-ALCOHOLIC BEVERAGES. BEVERAGES OF AMERICA, INC., Chicago, Ill.
Filed September 13, 1938. Serial No. 410,498. PUBLISHED NOVEMBER 1, 1938. Class 45.

373,289. COMPOUNDS FOR CLEANING METAL SURFACES AND THE LIKE SUCH AS MACHINERY, TRACTORS, TRUCK AND BUS BODIES. MAGNUS CHEMICAL COMPANY, INC., Garwood, N. J.
Filed September 20, 1938. Serial No. 410,795. PUBLISHED SEPTEMBER 26, 1939. Class 4.

373,290. ELECTRICAL APPARATUS FOR MAGNETIC TESTING OF METAL ARTICLES. MAGNAFLUX CORPORATION, Chicago, Ill.
Filed September 30, 1938. Serial No. 411,127. PUBLISHED DECEMBER 27, 1938. Class 26.

373,291. SCOTCH WHISKY. MACDONALD & MUIR, LIMITED, Leith, Scotland.
Filed October 25, 1938. Serial No. 412,036. PUBLISHED JULY 4, 1939. Class 49.

373,292. POULTRY FEEDERS, POULTRY WATERERS, POULTRY BROODERS, POULTRY BATTERIES, AND POULTRY LAYING NESTS. THE CYCLONE MANUFACTURING CO., Urbana, Ind.
Filed October 28, 1938. Serial No. 412,125. PUBLISHED DECEMBER 27, 1938. Class 50.

373,293. CAMERAS, PHOTOGRAPHIC LENSES, AND SENSITIZED PHOTOGRAPHIC FILMS. HENRY T. SCHIFF, Chicago, Ill.
Filed November 22, 1938. Serial No. 413,052. PUBLISHED JANUARY 17, 1939. Class 26.

373,294. SLIDE FASTENERS. PHILSTAN PRODUCTS COMPANY, Philadelphia, Pa.
Filed January 28, 1939. Serial No. 415,350. PUBLISHED SEPTEMBER 26, 1939. Class 13.

373,295. SOUND DETECTING AND REPRODUCING EQUIPMENT AND PARTICULARLY FOR DEVICES FOR TRANSLATING ACOUSTICAL ENERGY INTO ELECTRICAL ENERGY OR VICE VERSA. TRANSDUCER CORPORATION, New York, N. Y.
Filed January 30, 1939. Serial No. 415,425. PUBLISHED SEPTEMBER 26, 1939. Class 21.

373,296. FRESH CITRUS FRUIT. LINDSAY DISTRICT ORANGE COMPANY, Lindsay, Calif.
Filed February 4, 1939. Serial No. 415,600. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,297. FROCKS FOR THE USE OF WOMEN, MISSES, AND CHILDREN. BARMON BROTHERS COMPANY INC., Buffalo, N. Y.
Filed February 11, 1939. Serial No. 415,933. PUBLISHED MAY 2, 1939. Class 39.

373,298. POTATO STICKS AND SALAD DRESSING. RED ARROW FOODS, INC., Detroit, Mich.
Filed February 20, 1939. Serial No. 416,265. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,299. TEXTILE FABRICS IN THE PIECE OF SILK, RAYON, AND COMBINATIONS THEREOF. FOLKER FABRICS, INC., New York, N. Y.
Filed March 1, 1939. Serial No. 416,531. PUBLISHED MAY 2, 1939. Class 42.

373,300. PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS. TOLEDO TIRE CORPORATION, Toledo, Ohio.
Filed March 3, 1939. Serial No. 416,672. PUBLISHED APRIL 18, 1939. Class 35.

373,301. MILLING MACHINES AND PARTS THEREOF. THE HALL PLANETARY COMPANY, Philadelphia, Pa.
Filed March 4, 1939. Serial No. 416,688. PUBLISHED MAY 2, 1939. Class 23.

373,302. DISTRIBUTOR CAPS FOR DISTRIBUTORS OF INTERNAL COMBUSTION ENGINES AND SPARK PLUGS. TRANSPARENT DISTRIBUTOR CAP AND MOTOR PARTS CO., Scottdale, Pa.
Filed March 25, 1939. Serial No. 417,514. PUBLISHED SEPTEMBER 26, 1939. Class 21.

373,303. TRACTORS. THE CLEVELAND TRACTOR COMPANY, Cleveland, Ohio.
Filed March 27, 1939. Serial No. 417,523. PUBLISHED MAY 23, 1939. Class 23.

373,304. STRING INSTRUMENTS, HORNS, MOUTH HARMONICAS, STRINGS AND BOWS FOR MUSICAL INSTRUMENTS, MOUTH PIECES FOR WIND INSTRUMENTS, WHISTLES, ETC. COLOS INTERNATIONAL COMPANY FOR COMMERCE AND INDUSTRY, INC., New York, N. Y.
Filed April 7, 1939. Serial No. 417,957. PUBLISHED SEPTEMBER 26, 1939. Class 36.

373,305. ALIMENTARY PASTES. MINNESOTA MACARONI COMPANY, St. Paul, Minn.
Filed April 10, 1939. Serial No. 418,084. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,306. VENTILATING AND CIRCULATING FANS, BLOWERS, AND HUMIDIFIERS. THE VIKING AIR CONDITIONING CORPORATION, Cleveland, Ohio.
Filed April 25, 1939. Serial No. 418,698. PUBLISHED SEPTEMBER 26, 1939. Class 34.

373,307. MEN'S AND BOYS' SUITS, COATS, PANTS, SACK COATS, TOPCOATS, MEDIUM WEIGHT COATS, OVERCOATS, SURCOATS, SLACKS, CARDIGAN SWEATERS, SWIM SUITS, LUMBERJACKETS, AND SPORT TROUSERS. THE GOODIMATE COMPANY, Philadelphia, Pa.
Filed April 27, 1939. Serial No. 418,775. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,308. AIR FILTERS, FILTERS FOR REFRIGERATORS, AND REFRIGERATORS. BRILLO MANUFACTURING COMPANY, INC., New York, N. Y.
Filed April 28, 1939. Serial No. 418,808. PUBLISHED SEPTEMBER 26, 1939. Class 31.

373,309. SPORT JACKETS AND PARKAS FOR USE BY MEN AND YOUNG MEN. CONGRESS SHIRT COMPANY, Boston, Mass.
Filed May 1, 1939. Serial No. 418,920. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,310. LADIES' COATS. STERN-SLEGMAN-PRINS COMPANY, North Kansas City, Mo.
Filed May 6, 1939. Serial No. 419,167. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,311. PENCILS, MECHANICAL PENCILS, FOUNTAIN PENS, PENHOLDERS, ERASERS, COMPANION BOXES, ETC. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J.
Filed May 10, 1939. Serial No. 419,249. PUBLISHED JULY 4, 1939. Class 37.

373,312. VENTILATING AND CIRCULATING FANS, BLOWERS, HUMIDIFIERS, AIR CONDITIONING UNITS AND APPARATUS. THE VIKING AIR CONDITIONING CORPORATION, Cleveland, Ohio.
Filed May 11, 1939. Serial No. 419,285. PUBLISHED SEPTEMBER 26, 1939. Class 34.

373,313. BOTTLES OF FLAVORED AND UNFLAVORED MALTLESS NONALCOHOLIC CARBONATED BEVERAGES SUCH AS GINGER ALE, ETC. FEIGENSON BROS. CO., INC., Detroit, Mich.
Filed May 11, 1939. Serial No. 419,297. PUBLISHED JULY 11, 1939. Class 45.

373,314. AIRPLANES AND STRUCTURAL PARTS THEREFOR NOT IN OTHER CLASSES. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif.
Filed May 13, 1939. Serial No. 419,383. PUBLISHED SEPTEMBER 26, 1939. Class 19.

373,315. RAYON PIECE GOODS. S. T. PALAY TEXTILE CORPORATION, New York, N. Y.
Filed May 13, 1939. Serial No. 419,390. PUBLISHED JULY 25, 1939. Class 42.

373,316. LADIES' HOSIERY. JEANNETTE HOSIERY MILLS, INC., Elkins Park, Pa.
Filed May 17, 1939. Serial No. 419,518. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,317. MEN'S AND BOYS' JACKETS. THE ALLEN A COMPANY, Bennington, Vt.
Filed May 24, 1939. Serial No. 419,830. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,318. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, AND TROUSERS. GOODALL COMPANY, Sanford, Maine, and New York, N. Y.
Filed June 1, 1939. Serial No. 420,055. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,319. DRESSES, FROCKS, SUITS, COATS, CLOAKS, AND WRAPS FOR THE USE OF WOMEN, MISSES, AND CHILDREN. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed June 1, 1939. Serial No. 420,062. PUBLISHED AUGUST 15, 1939. Class 39.

373,320. WOMEN'S AND MISSES' SKIRTS, WAISTS, SUITS, COATS, AND DRESSES; CHILDREN'S ROMPERS, DRESSES, AND SUITS; MEN'S AND BOYS' SUITS, COATS, AND TROUSERS. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed June 1, 1939. Serial No. 420,066. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,321. LENSES OF THE OBJECTIVE TYPE WHEREVER SUCH LENSES ARE USEFUL, AS FOR INSTANCE IN PORTRAIT AND OTHER STILL CAMERAS, ETC. ILEX OPTICAL COMPANY, Rochester, N. Y.
Filed June 2, 1939. Serial No. 420,103. PUBLISHED SEPTEMBER 26, 1939. Class 26.

373,322. WOMEN'S SLIPS, MEN'S AND WOMEN'S APRONS, AND MEN'S DUCK SERVICE COATS. ALBERT H. JAFFE, doing business as Albert H. Jaffe & Co., Baltimore, Md.
Filed June 6, 1939. Serial No. 420,228. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,323. POTATO DIGGERS. SYRACUSE CHILLED PLOW COMPANY, INC., Syracuse, N. Y.
Filed June 7, 1939. Serial No. 420,302. PUBLISHED SEPTEMBER 26, 1939. Class 23.

373,324. THERMOSTATICALLY OPERATED AUTOMATIC ELECTRIC TEMPERATURE ALARMS. WILLIAM L. BARRETT COMPANY, Bristol, Conn.
Filed June 9, 1939. Serial No. 420,308. PUBLISHED SEPTEMBER 26, 1939. Class 21.

373,325. AIR FILTERING PANELS. AIR MAZE CORPORATION, Cleveland, Ohio.
Filed June 10, 1939. Serial No. 420,354. PUBLISHED SEPTEMBER 26, 1939. Class 34.

373,326. BLOUSES AND WOMEN'S AND CHILDREN'S DRESSES. GOETZ, KRUMSCHEID & KLIBAN, New York, N. Y.
Filed June 10, 1939. Serial No. 420,370. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,327. PUMP FOR USE IN FORCING PICKLING BRINE INTO MEAT. THE GRIFFITH LABORATORIES, INC., Chicago, Ill.
Filed June 12, 1939. Serial No. 420,410. PUBLISHED SEPTEMBER 26, 1939. Class 23.

373,328. WORK GARMENTS—NAMELY, PANTS, COATS, SHIRTS, AND OVERALLS FOR USE OF MEN, WOMEN, BOYS, AND GIRLS. THE CROWN OVERALL MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed June 13, 1939. Serial No. 420,452. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,329. ELECTRICALLY-OPERATED VIBRATORY TOOTH BRUSHES. ROBERT L. LASATER, Evanston, Ill.
Filed June 13, 1939. Serial No. 420,460. PUBLISHED SEPTEMBER 26, 1939. Class 21.

373,330. AUTOMOBILE STEERING WHEEL COVERS. LIPSCHULTZ BROS., St. Paul, Minn.
Filed June 15, 1939. Serial No. 420,535. PUBLISHED SEPTEMBER 26, 1939. Class 19.

373,331. OUTER SHIRTS, SHORTS, SLACKS, AND SPORTSWEAR CONSISTING OF DRESSES, BLOUSES, AND JACKETS FOR MEN, WOMEN, AND CHILDREN. WAMSUTTA MILLS, New Bedford, Mass.
Filed June 15, 1939. Serial No. 420,552. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,332. LENSES OF THE OBJECTIVE TYPE WHEREVER SUCH LENSES ARE USEFUL, AS FOR INSTANCE IN PORTRAIT AND OTHER STILL CAMERAS, ETC. ILEX OPTICAL COMPANY, Rochester, N. Y.
Filed June 16, 1939. Serial No. 420,585. PUBLISHED SEPTEMBER 26, 1939. Class 26.

373,333. HOSPITAL BED GOWN. HELEN MOORE, INC., Wellesley, Mass.
Filed June 16, 1939. Serial No. 420,594. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,334. MEN'S SUITS AND OVERCOATS, AND WOMEN'S SUITS AND COATS. A. SAGNER & SONS, INC., Baltimore, Md.
Filed June 16, 1939. Serial No. 420,600. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,335. MEN'S, BOYS', WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR, SWEATERS, SKI SUITS, PLAY SUITS, HOSIERY, AND SOCKS; MEN'S AND BOYS' OUTER AND UNDER SHIRTS, PAJAMAS, NIGHT SHIRTS, LUMBER JACKETS, JACKETS FOR WORK AND SPORTS, COATS, VESTS, AND PANTS; AND WOMEN'S AND MISSES' SKIRTS. WRIGHT'S UNDERWEAR COMPANY, INC., New York, N. Y.
Filed June 17, 1939. Serial No. 420,657. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,336. OVERALLS, WORK SHIRTS, AND WORK PANTS FOR MEN AND CHILDREN. GREENSBORO OVERALL CO., Greensboro, N. C.
Filed June 19, 1939. Serial No. 420,672. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,337. SWEATERS FOR MEN, WOMEN, AND CHILDREN, AND KNITTED SUITS FOR WOMEN AND CHILDREN. L. ISAACSON & SONS, INC., New York, N. Y.
Filed June 19, 1939. Serial No. 420,677. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,338. LADIES' COATS CONTAINING A SUBSTANTIAL AMOUNT OF LLAMA AND ALSO MOHAIR, ALPACA, AND WOOL. LIPMAN & SCHLIFMAN,, INC., New York, N. Y.
Filed June 21, 1939. Serial No. 420,770. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,339. MINK COATS, SCARFS, AND JACKETS. SCHULMAN & MENZOFF, New York, N. Y.
Filed June 21, 1939. Serial No. 420,782. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,340. HOSIERY. GASTONIA FULL FASHIONED HOSIERY MILL, INC., Gastonia, N. C.
Filed June 22, 1939. Serial No. 420,813. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,341. HOSIERY. BERKSHIRE KNITTING MILLS, Wyomissing, Pa.
Filed June 23, 1939. Serial No. 420,844. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,342. HOSIERY. RICHARDS, BOGGS AND KING, INC., Chicago, Ill.
Filed June 23, 1939. Serial No. 420,873. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,343. CHILDREN'S AND GIRLS' DRESSES. RAINBOW CHILDRENS DRESS CO., New York, N. Y.
Filed June 23, 1939. Serial No. 420,874. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,344. BACON. THE OHIO PROVISION CO., Cleveland, Ohio.
Filed June 23, 1939. Serial No. 420,882. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,345. SPECTACLES AND MOUNTINGS THEREFOR. E. B. MEYROWITZ, INC., New York, N. Y.
Filed June 24, 1939. Serial No. 420,912. PUBLISHED SEPTEMBER 26, 1939. Class 26.

373,346. PREPARATION FOR CLEANING, WASHING, AND POLISHING ARTIFICIAL DENTURES, THE SAID PREPARATION HAVING INCIDENTAL DEODORIZING AND STERILIZING PROPERTIES. HUDSON PRODUCTS, INC., Jersey City, N. J.
Filed June 26, 1939. Serial No. 420,954. PUBLISHED SEPTEMBER 26, 1939. Class 4.

373,347. KNITTED SUITS, SWEATERS, JACKETS, SKIRTS, PLAY SUITS, SHORTS, SLACKS, AND SPORT SHIRTS FOR LADIES, MISSES, AND CHILDREN. TOURAINE COMPANY, INC., New York, N. Y.
Filed June 27, 1939. Serial No. 421,014. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,348. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TOPCOATS, SPORT COATS, AND TROUSERS. SCHWABE & MAY, INC., doing business as Schwabe-May, Charleston, W. Va.
Filed June 29, 1939. Serial No. 421,102. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,349. ARRANGEMENTS OF COOPERATIVE ELECTRICAL SWITCHES, CONDUITS, TRANSFORMERS, RELAYS, CONDENSORS, RESISTORS, AND/OR SOLENOIDS COMPRISING AN ELECTRICAL CONTROL APPARATUS. WELTRONIC CORPORATION, Detroit, Mich.
Filed June 29, 1939. Serial No. 421,108. PUBLISHED SEPTEMBER 26, 1939. Class 21.

373,350. FRESH AND FRESH FROZEN FISH FILLETS. ATLANTIC COAST FISHERIES CORPORATION OF NEW YORK, New York, N. Y.
Filed June 30, 1939. Serial No. 421,120. PUBLISHED SEPTEMBER 5, 1939. Class 46.

373,351. LADIES' AND MISSES' FROCKS AND DRESSES. JOS. S. COHEN & SONS CO., INC., New York, N. Y.
Filed June 30, 1939. Serial No. 421,128. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,352. SEEDS OF CROPS KNOWN AS MINNESOTA ALFALFA, WHITE BLOSSOM SWEET CLOVER, YELLOW BLOSSOM SWEET CLOVER, ETC. F. H. PEAVEY & COMPANY, doing business as Thief River Falls Seed House, Minneapolis and Thief River Falls, Minn.
Filed June 30, 1939. Serial No. 421,159. PUBLISHED SEPTEMBER 5, 1939. Class 1.

373,353. LADIES' AND GIRLS' SLIPS AND UNDERWEAR. SCHNUR & COHAN, INC., New York, N. Y.
Filed July 1, 1939. Serial No. 421,201. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,354. DRESS SHIRTS, WORK SHIRTS, AND SPORT SHIRTS, AND PANTS. SOUTHERN MANUFACTURING COMPANY, Nashville, Tenn.
Filed July 1, 1939. Serial No. 421,207. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,355. WOMEN'S AND MISSES' COATS AND SUITS. B. M. MICHEL, INC., Chicago, Ill.
Filed July 3, 1939. Serial No. 421,247. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,356. WELL DRILLING TOOLS OF THE CHURN TYPE AND PARTS THEREOF CONSISTING OF BITS, SHANKS, STEMS, AND COUPLINGS, MORE PARTICULARLY DESIGNED FOR DRILLING OIL WELLS. MILLS IRON WORKS, Los Angeles, Calif.
Filed July 3, 1939. Serial No. 421,249. PUBLISHED SEPTEMBER 26, 1939. Class 23.

373,357. SLEEPING GOWNS AND PAJAMAS. NORDAY, INC., Lima, Ohio.
Filed July 3, 1939. Serial No. 421,250. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,358. WOMEN'S, MISSES', AND CHILDREN'S WEARING APPAREL—NAMELY, SNOW SUITS, SKI JACKETS, AND SKI PANTS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 3, 1939. Serial No. 421,263. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,359. GAS HEATERS AND GAS RANGES. CAVALIER CORPORATION, Chattanooga, Tenn.
Filed July 6, 1939. Serial No. 421,301. PUBLISHED SEPTEMBER 26, 1939. Class 34.

373,360. CORDUROY OVERALLS. MARCUS LOEB & COMPANY, INC., Atlanta, Ga.
Filed July 7, 1939. Serial No. 421,346. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,361. WOMEN'S AND MISSES' DRESSES. LUCKEY STYLE DRESS CO. INC., New York, N. Y.
Filed July 8, 1939. Serial No. 421,384. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,362. EARTH INDUCTOR COMPASS AND PARTS THEREOF. AIR-TRACK MANUFACTURING CORPORATION, Detroit, Mich.
Filed July 10, 1939. Serial No. 421,410. PUBLISHED SEPTEMBER 26, 1939. Class 26.

373,363. CAULKING, GLAZING, AND GREASE GUNS, PUTTY KNIVES, AND PAINTERS' AND WOOD FINISHERS' SCRAPERS. KENMAR MANUFACTURING COMPANY, Philadelphia, Pa.
Filed July 10, 1939. Serial No. 421,430. PUBLISHED SEPTEMBER 26, 1939. Class 23.

373,364. WOOD AND MACHINE SCREWS. EAGLE LOCK COMPANY, Terryville, Conn.
Filed July 11, 1939. Serial No. 421,454. PUBLISHED SEPTEMBER 26, 1939. Class 13.

373,365. WINES. JUILLARD-COCKCROFT CORPORATION, Watsonville, Calif.
Filed July 13, 1939. Serial No. 421,518. PUBLISHED SEPTEMBER 26, 1939. Class 47.

373,366. PIECE GOODS OF SILK, COTTON AND SILK, SILK AND WOOL, AND RAYON. BELDING HEMINWAY COMPANY, New York, N. Y.
Filed July 14, 1939. Serial No. 421,560. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,367. FELT IN THE PIECE, IN PLIED FORM, AND IN CUT SHAPES. THE FELTERS COMPANY, Boston, Mass.
Filed July 15, 1939. Serial No. 421,602. PUBLISHED SEPTEMBER 26, 1939. Class 50.

373,368. FEED FOR POULTRY, COWS, AND OTHER DOMESTIC LIVE STOCK. FLORY MILLING COMPANY, INC., Bangor, Pa.
Filed July 15, 1939. Serial No. 421,603. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,369. COTTON, SILK, RAYON, AND WOOL PIECE GOODS. SOLINGER & SONS CO., INC., New York, N. Y.
Filed July 15, 1939. Serial No. 421,623. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,370. CHILDREN'S DRESSES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 21, 1939. Serial No. 421,816. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,371. MALTLESS NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS, AND EXTRACTS, FLAVORS, AND SYRUPS FOR MAKING SAME. S. TWITCHELL COMPANY, Philadelphia, Pa.
Filed July 21, 1939. Serial No. 421,824. PUBLISHED SEPTEMBER 26, 1939. Class 45.

373,372. BISCUITS. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed July 22, 1939. Serial No. 421,838. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,373. WHISKEY. LIQUOR DEALERS SUPPLY CO., Chicago, Ill.
Filed July 22, 1939. Serial No. 421,852. PUBLISHED SEPTEMBER 26, 1939. Class 49.

373,374. MEN'S SUITS, OVERCOATS, AND TOP COATS. DAY STORES, INC., New York, N. Y.
Filed July 24, 1939. Serial No. 421,873. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,375. EGGS. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed July 25, 1939. Serial No. 421,936. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,376. CANNED FISH. THE SEA FOOD EXPORT CORPORATION OF CALIFORNIA, Memphis, Tenn., and Terminal Island, Calif.
Filed July 25, 1939. Serial No. 421,949. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,377. PRINTED AND UNPRINTED WRAPPERS OF CELLULOSE FILM. THE DOBECKMUN COMPANY, Cleveland, Ohio.
Filed July 26, 1939. Serial No. 421,967. PUBLISHED SEPTEMBER 26, 1939. Class 37.

373,378. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, FLAVORED AND UNFLAVORED, SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME, AND SPARKLING WATER. EDW. H. GRUBER, doing business as Gruber Bottling Works, Philadelphia, Pa.
Filed July 26, 1939. Serial No. 421,968. PUBLISHED SEPTEMBER 26, 1939. Class 45.

373,379. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed July 26, 1939. Serial No. 421,971. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,380. ENVELOPE AND PRINTING PAPER. RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y.
Filed July 26, 1939. Serial No. 421,980. PUBLISHED SEPTEMBER 26, 1939. Class 37.

373,381. WOOD PULP. BROWN COMPANY, Portland, Maine, and Berlin, N. H.
Filed July 27, 1939. Serial No. 421,993. PUBLISHED SEPTEMBER 26, 1939. Class 1.

373,382. WOOD PULP. BROWN COMPANY, Portland, Maine, and Berlin, N. H.
Filed July 27, 1939. Serial No. 421,994. PUBLISHED SEPTEMBER 26, 1939. Class 1.

373,383. CIGARETTES. ALFRED DUNHILL LIMITED, London, England.
Filed July 27, 1939. Serial No. 422,002. PUBLISHED SEPTEMBER 26, 1939. Class 17.

373,384. RUGS AND CARPETS. MOHAWK CARPET MILLS, INC., Amsterdam, N. Y.
Filed July 27, 1939. Serial No. 422,011. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,385. FUNGICIDES AND INSECTICIDES. EDWIN M. ROSENBLUTH, doing business as Rose Manufacturing Company, Philadelphia, Pa.
Filed July 27, 1939. Serial No. 422,019. PUBLISHED SEPTEMBER 12, 1939. Class 6.

373,386. FIBRES AND FILAMENTS FOR USE IN TEXTILES, FELTS, CORDAGE, AND THE LIKE. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed July 27, 1939. Serial No. 422,025. PUBLISHED SEPTEMBER 26, 1939. Class 1.

373,387. TOBACCO PRODUCTS, MORE PARTICULARLY SMOKING TOBACCO. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo.
Filed July 28, 1939. Serial No. 422,037. PUBLISHED SEPTEMBER 26, 1939. Class 17.

373,388. TOBACCO PRODUCTS, MORE PARTICULARLY SMOKING TOBACCO. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo.
Filed July 28, 1939. Serial No. 422,038. PUBLISHED SEPTEMBER 26, 1939. Class 17.

373,389. TOBACCO PRODUCTS, MORE PARTICULARLY SMOKING TOBACCO. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo.
Filed July 28, 1939. Serial No. 422,039. PUBLISHED SEPTEMBER 26, 1939. Class 17.

373,390. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. DANT & HEAD DISTILLING COMPANY, Louisville, Ky.
Filed July 28, 1939. Serial No. 422,042. PUBLISHED SEPTEMBER 26, 1939. Class 49.

373,391. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. DANT & HEAD DISTILLING COMPANY, Louisville, Ky.
Filed July 28, 1939. Serial No. 422,043. PUBLISHED SEPTEMBER 26, 1939. Class 49.

373,392. WOOLEN AND WORSTED PIECE GOODS USED IN THE MANUFACTURE OF LADIES' COATS AND SUITS. DANIEL W. FARNSWORTH, New York, N. Y.
Filed July 28, 1939. Serial No. 422,047. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,393. CHEMICAL COMPOUNDS FOR USE AS CLEANSING AND WASHING COMPOSITIONS IN LIQUID AND SOLID FORM FOR USE IN AQUEOUS BATHS FOR CLEANING FABRICS AND METALLIC SURFACES. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed July 28, 1939. Serial No. 422,054. PUBLISHED SEPTEMBER 26, 1939. Class 4.

373,394. COTTON PIECE GOODS. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed July 28, 1939. Serial No. 422,070. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,395. WOOLEN AND WORSTED PIECE GOODS, USED IN THE MANUFACTURE OF MEN'S AND BOYS' COATS AND SUITS. A. DE PINNA CO., INC., New York, N. Y.
Filed July 29, 1939. Serial No. 422,089. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,396. CERAMIC STATUETTES AND FIGURES. WALT DISNEY PRODUCTIONS, Hollywood, Calif.
Filed July 29, 1939. Serial No. 422,090. PUBLISHED SEPTEMBER 26, 1939. Class 50.

373,397. PAPER TOILET SEAT COVERS. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed July 31, 1939. Serial No. 422,115. PUBLISHED SEPTEMBER 26, 1939. Class 37.

373,398. PICKLES—NAMELY, DILL PICKLES, SWEET DILL PICKLES, SWEET MIXED PICKLES, SWEET PICKLES, AND SWEET RELISH. MASON, EHRMAN & Co., INC., Portland, Oreg.
Filed July 31, 1939. Serial No. 422,142. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,399. PHONOGRAPHS. J. P. SEEBURG CORPORATION, Chicago, Ill.
Filed July 31, 1939. Serial No. 422,156. PUBLISHED SEPTEMBER 26, 1939. Class 36.

373,400. ELECTRIC LAMPS. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed July 31, 1939. Serial No. 422,164. PUBLISHED SEPTEMBER 26, 1939. Class 21.

373,401. FLASHLIGHTS. UNITED STATES ELECTRIC MFG. CORPORATION, New York, N. Y.
Filed August 1, 1939. Serial No. 422,186. PUBLISHED SEPTEMBER 26, 1939. Class 21.

373,402. WOOLEN AND WORSTED FABRICS IN THE PIECE. BOTANY WORSTED MILLS, Passaic, N. J.
Filed August 2, 1939. Serial No. 422,196. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,403. CHOCOLATE. THE SOCIETÀ ANONIMA CAFFAREL PROCHET, Turin, Italy.
Filed July 31, 1939. Serial No. 422,228. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,404. ALIMENTARY PASTES. ALFONSO GIOIA & SONS, Rochester, N. Y.
Filed August 3, 1939. Serial No. 422,241. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,405. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed August 8, 1939. Serial No. 422,398. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,406. PIECE GOODS OF COTTON, SILK, RAYON, WOOL, AND COMBINATIONS THEREOF. GRANITE FABRICS, INC., New York, N. Y.
Filed August 9, 1939. Serial No. 422,443. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,407. DOG FOOD. HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y.
Filed August 10, 1939. Serial No. 422,473. PUBLISHED SEPTEMBER 26, 1939. Class 46.

373,408. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed August 12, 1939. Serial No. 422,537. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,409. BLANKETS, SHEETS, AND PILLOWCASES. THE HECHT CO., Washington, D. C., also doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and The Hub, Baltimore, Md.
Filed August 12, 1939. Serial No. 422,545. PUBLISHED SEPTEMBER 26, 1939. Class 42.

373,410. BODY CONTOURING AND REDUCING MACHINES, STEAM BATH CABINETS, AND MASSAGE TABLES. DORRIS J. ALDRICH, Los Angeles, Calif.
Filed August 19, 1939. Serial No. 422,769. PUBLISHED SEPTEMBER 26, 1939. Class 44.

373,411. MEDICINAL PREPARATION FOR THE TREATMENT OF ARTHRITIS. THE HENEPH CORPORATION, Kingston, N. Y.
Filed July 12, 1939. Serial No. 421,481. PUBLISHED SEPTEMBER 26, 1939. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

373,412. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SALES BOOK COMPANY, INC., Niagara Falls and Elmira, N. Y. Filed Aug. 21, 1936. Serial No. 382,418.

FORMALINER

For Machines for Feeding Paper, and Attachments and Parts of Such Machines, and Particularly for Machines for Feeding Paper in Relation to Recording Machines, Such as Tabulating Machines, Billing Machines, and Other Typewriting Machines, and for Autographic Registers.
Claims use since Aug. 5, 1936.

373,413. (CLASS 39. CLOTHING.) NATIONAL SHIRT SHOPS OF DELAWARE, INC., New York, N. Y. Filed May 22, 1937. Serial No. 393,141.

FASH-N-FORM

For Men's Wearing Apparel, Sportswear, and Haberdashery—Namely, Work, Dress and Negligee, Shirts, Neckties, Socks, Collars, and Cuffs, Underwear, Handkerchiefs, Gloves of Leather or Fabric, Snspenders, Garters, Scarfs, Mufflers, Pajamas, Rain Coats, and Flannel and Cotton Trousers.
Claims use since Sept. 1, 1934.

373,414. (CLASS 39. CLOTHING.) THE P. SULLIVAN SHOE COMPANY, Cincinnati, Ohio. Filed Aug. 9, 1937. Serial No. 396,210.

testrite

For Leather-Soled Shoes, Made of Leather.
Claims use since July 26, 1937.

373,415. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ODORA COMPANY, INC., New York, N. Y. Filed Jan. 6, 1938. Serial No. 401,617.

PARA·PACK

For Moth Cakes.
Claims use since Oct. 27, 1937.

373,416. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH ARDEN, INC., New York, N. Y. Filed Feb. 23, 1938. Serial No. 403,294.

CYCLAMEN

For Nail Polishes and Lip Rouge.
Claims use since Jan. 30, 1938.

373,417. (CLASS 39. CLOTHING.) THE GLEMBY COMPANY, INC., New York, N. Y. Filed Apr. 28, 1938. Serial No. 405,808.

LORRAINE
No - Pin - Et.

For Hair Nets.
Claims use since Apr. 8, 1938.

373,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SARA EFRON, Los Angeles, Calif. Filed May 3, 1938. Serial No. 405,955.

DOGGIE DESSERT

For Dog and Cat Food.
Claims use since Apr. 27, 1938.

373,419. (CLASS 2. RECEPTACLES.) NATOMAS FRUIT COMPANY, Exeter, Calif. Filed May 10, 1938. Serial No. 406,191.

"Sealdgood"

For Airtight Containers of Wood and Paper for Packing Fruits and Vegetables, and Sold Empty in the Trade.
Claims use since Apr. 19, 1938.

373,420. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SCOVILL MANUFACTURING COMPANY, Waterbury, Conn., and Racine, Wis. Filed June 22, 1938. Serial No. 407,767.

Sure Grip

For Ice Cream Dishers.
Claims use since June 8, 1938.

373,421. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALBERTSON & COMPANY, INC., Sioux City, Iowa. Filed Aug. 27, 1938. Serial No. 410,011.

DOUBLE-COAT

For Abrasive Discs of the Type Used on Sanding Machines, Having a Single Layer of Abrasive.
Claims use since July 15, 1938.

373,422. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ELECTROLIFT, INC., New York, N. Y. Filed Sept. 16, 1938. Serial No. 410,643.

ELECTROLIFT

For Electric Hoists, Cranes, Winches, and Elevator and Dumb Waiter Machinery and Parts Thereof Exclusive of Electric Motors and Electric Fixtures.
Claims use since January, 1933.

373,423. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEO. MCARTHUR AND SONS COMPANY, Baraboo, Wis. Filed Sept. 19, 1938. Serial No. 410,743.

Baraboo
TOWELING

For Bath Towels and Toweling, Bleached and Unbleached.
Claims use since 1918.

373,424. (CLASS 39. CLOTHING.) STAR-MAID DRESSES, INC., New York, N. Y. Filed Oct. 6, 1938. Serial No. 411,346.

American Casuals

For Women's and Misses' Outerwear—Namely, Dresses, Coats, Suits, Skirts, Blouses, Playsuits, and Slacks.
Claims use since Sept. 15, 1938.

373,425. (CLASS 39. CLOTHING.) WALTON-PIERCE COMPANY, Detroit, Mich. Filed Oct. 6, 1938. Serial No. 411,350.

Henrietta Pierce

For Ladies' and Misses' Dresses, Gowns, Coats, Wraps, and Hats.
Claims use since Sept. 28, 1938.

373,426. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL SAFETY RAZOR CORPORATION, Bloomfield, N. J. Filed Oct. 10, 1938. Serial No. 411,457.

LATONIA

For Razor Blades.
Claims use since Sept. 29, 1938.

373,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROY MOORE, doing business as The Home Bakery, Mission, Tex. Filed Oct. 11, 1938. Serial No. 411,508.

MADE O'GRAPEFRUIT

For Bread.
Claims use since Sept. 1, 1938.

373,428. (CLASS 43. THREAD AND YARN.) MORELL NOVELTY COMPANY, INC., New York, N. Y. Filed Oct. 17, 1938. Serial No. 411,700.

MORELL

For Yarn.
Claims use since Sept. 27, 1938.

373,429. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) A. SALTO SOCIETA ANONIMA, Trieste, Italy. Filed Oct. 21, 1938. Serial No. 411,908.

LUCE

For Cigarette Paper in Booklet and Tube Form.
Claims use since 1927.

373,430. (CLASS 2. RECEPTACLES.) THE ZYLOCASE COMPANY, Irvington, N. J. Filed Oct. 26, 1938. Serial No. 412,050.

PLASTICASE

For Eyeglass Cases Made from Cellulose Acetate.
Claims use since Oct. 15, 1938.

373,431. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Oct. 27, 1938. Serial No. 412,094.

VERI-THIN

For Watches, Watchcases, and Watch Movements.
Claims use since Oct. 20, 1938.

373,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACQUES WOLF & CO., Clifton, N. J. Filed Oct. 28, 1938. Serial No. 412,163.

WETSIT

For Chemical Preparation Which Is a Synthetic Wetting Agent, Detergent, and Penetrant.
Claims use since Aug. 10, 1938.

373,433. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUDWIG DURLACHER, New York, N. Y. Filed Nov. 10, 1938. Serial No. 412,596.

FIBERFILM

For Substances or Chemicals for Producing a Water and Stain Repellent and/or Waterproof Finish for Textiles and for Processing Fluids for Treating Articles Made of Cotton, Wool, Silk, Velvet, Velour, Mohair, Linen, Artificial Fabrics, Fibrous and/or Combinations Thereof, Threads, Yarns, Cellulose and Paper, Said Articles Being Rendered Immune Against Acid, Decay, Mildew, and Sunrot.
Claims use since Sept. 12, 1938.

373,434. (CLASS 39. CLOTHING.) SIMON WEINER, New York, N. Y. Filed Apr. 24, 1939. Serial No. 418,664.

Johnson & Johnson CUSTOM MADE

For Shoes Made of Leather, Rubber, and Fabric, and Combinations of Said Materials, for Use by Men and Boys.
Claims use since July 1, 1937.

373,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL SAN RAMON, S. A., Guanajay and Habana, Cuba. Filed Dec. 1, 1938. Serial No. 413,335.

SAN RAMON

For Cane Sugar, Cane Molasses, Cane Sugar Syrups, and Canned Milk.
Claims use since Feb. 22, 1938.

373,436. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Dec. 24, 1938. Serial No. 414,177.

Bobby Leeds

For Clothing for Men, Boys, and Children—Namely, Suits, Coats, Overcoats, Outer and Under Shirts, Blouses, Underwear, Hats, Shoes Made of Leather, Fabric, or Combinations Thereof, Neckties, Robes, Pajamas, Mufflers, Hosiery, Gloves Made of Leather, Fabric, or Combinations Thereof, Sweaters, Mackinaws, and Jackets.
Claims use since Oct. 12, 1938.

373,437. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Dec. 24, 1938. Serial No. 414,178.

winton

For Clothing for Men, Boys, and Children—Namely, Suits, Outer Shirts, Blouses, Underwear, Hats, Shoes Made of Leather, Fabric, or Combinations Thereof, Neckties, Robes, Pajamas, Mufflers, Hosiery, Gloves Made of Leather, Fabric, or Combinations Thereof, Sweaters, Mackinaws, and Jackets.
Claims use since Oct. 7, 1938.

373,438. (CLASS 39. CLOTHING.) STETSON SHIRT CO. INC., New York, N. Y. Filed Jan. 23, 1939. Serial No. 415,149.

STETSON

For Men's Shorts (Underwear), Pajamas, Underwear, and Necktles.
Claims use since Jan. 4, 1937.

373,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSSMONT FARMS CORPORATION, Afton, Va. Filed Jan. 26, 1939. Serial No. 415,261.

BLUE RIDGE PARKWAY

For Fresh Apples.
Claims use since Sept. 14, 1938.

373,440. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH A. KAPLAN INC., New York, N. Y. Filed Feb. 2, 1939. Serial No. 415,514.

Showdrape

For Shower Curtains.
Claims use since Nov. 3, 1938.

373,441. (CLASS 39. CLOTHING.) LEVEY BROTHERS SHOE CO., INC., New York, N. Y. Filed Feb. 4, 1939. Serial No. 415,599.

Betty Lee OF NEW YORK

For Shoes Having Leather Soles and Uppers.
Claims use since 1923.

373,442. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CASEY'S C. C. POWDER COMPANY, Hemphill, W. Va. Filed Feb. 9, 1939. Serial No. 415,832.

CASEY'S "CC" Powder

For Preparation for Treating Skin or External Cancers, and Other Skin Infections.
Claims use since Sept. 18, 1938.

373,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MONTAGUE A. DAVIES, Troy, Pa. Filed Mar. 16, 1939. Serial No. 417,118.

M. A. DAVIES

DR. M. A. DAVIES. ANTISEPTIC OIL

For Antiseptic Oil.
Claims use since July, 1913.

373,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUISE R. CHAMBERS, doing business as The Pedi-Care Co., Denver, Colo. Filed Mar. 23, 1939. Serial No. 417,399.

Pedi-Care

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For Medicine for the Treatment of Athletes Foot.
Claims use since July 31, 1938.

373,445. (CLASS 39. CLOTHING.) SAMBROOKS LTD. OF LONDON, New York, N. Y. Filed June 8, 1939. Serial No. 420,291.

"Woolards"

For Men's Neckties, Mufflers, Hose, Lounging Robes and Bath Robes, and Sweaters.
Claims use since Jan. 1, 1936.

373,446. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., Denver, Colo., and St. Louis, Mo. Filed June 20, 1939. Serial No. 420,792.

MAY'D BEST

For Dog Food.
Claims use since Apr. 9, 1938.

373,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH M. CABRAL, Merced, Calif. Filed July 11, 1939. Serial No. 421,449.

KOMB-KLEAN

For Antiseptic Cleaning Fluid for Barber's Instruments and Other Tools.
Claims use since Nov. 15, 1926.

373,448. (CLASS 39. CLOTHING.) ERWIN C. BEIN, doing business as The Fur Institute of America, Baltimore, Md. Filed July 25, 1939. Serial No. 421,923.

THE FUR INSTITUTE OF AMERICA



For Fur Wraps, Fur Coats, Fur Chokes, Fur Scarfs, Fur Muffs, Fur Mittens, and Fur Caps.
Claims use since July 20, 1938.

373,449. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. W. E. EISENHART HEALTH PRODUCTS COMPANY, INC., Kansas City, Mo. Filed Aug. 10, 1939. Serial No. 422,468.

ACIDOSIS NEUTRALIZ-O

For Alkaline Powder Preparation Used for Neutralizing the Gastric Typer-Acidity Toxic Acids of the Human Body.
Claims use since Sept. 1, 1935.

373,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTGATE SEA PRODUCTS CO., San Diego, Calif. Filed Aug. 14, 1939. Serial No. 422,609.

CORTEZ

For Canned Fish.
Claims use since Jan. 1, 1919.

373,451. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BORDEN COMPANY, New York, N. Y. Filed Aug. 31, 1939. Serial No. 423,158.

DRIMIX

For Ice Cream Mix.
Claims use since Mar. 7, 1930.

373,452. (CLASS 39. CLOTHING.) PAULINE GORDON, INC., New York, N. Y. Filed Sept. 12, 1939. Serial No. 423,529.

ROLL CONTROL BRA by PAULINE GORDON

For Girdles and Brassières.
Claims use since June 27, 1938.

373,453. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED DISTRIBUTORS, INC., Louisville, Ky. Filed Sept. 20, 1939. Serial No. 423,781.

HAIR KLEEN

For Hair Shampoo.
Claims use since Feb. 10, 1938.

373,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED DISTRIBUTORS, INC., Louisville, Ky. Filed Sept. 20, 1939. Serial No. 423,782.

HAIR KULOR

For Preparation for Restoring Color to the Hair.
Claims use since Feb. 10, 1938.

373,455. (CLASS 39. CLOTHING.) THE ENRO SHIRT COMPANY, INC., Louisville, Ky. Filed Sept. 28, 1939. Serial No. 424,002.

DUO-TONES

For Men's Negligee and Dress Shirts, Pajamas, and Sports Shirts.
Claims use since June, 1932.

373,456. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE OLD SPRING DISTILLING COMPANY, Cincinnati, Ohio. Filed Oct. 19, 1939. Serial No. 424,694.

PRIDE OF ANDERSON
KENTUCKY STRAIGHT BOURBON WHISKEY
SOUR MASH

For Whiskey.
Claims use since Jan. 1, 1936.

TRADE-MARK REGISTRATIONS RENEWED

126,562. **FREMO.** MILLING, VERTICAL-DRILLING, TAPPING, SCREW-CUTTING MACHINES; LATHES, PLANERS, AND TAPER PINS FOR ALL MACHINERY. Registered September 16, 1919. FREDK. MOUNTFORD (BIRMINGHAM) LTD., Lifford, near Birmingham, England. Renewed September 16, 1939, to Fredk. Mountford (Birmingham) Ltd., Birmingham, England, a corporation of Great Britain.

127,258. **HARTFORD.** COTTON DUCK. Registered October 28, 1919. MOUNT VERNON-WOODBERRY MILLS, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed October 28, 1939.

127,313. **AB.** COFFEE, TEA, SPICES, AND FOOD-FLAVORING EXTRACTS. Registered November 11, 1919. ARBUCKLE BROTHERS, New York, N. Y., and Chicago, Ill. Renewed November 11, 1939, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee.

127,330. **MULTIFLEX.** RETURN-LINE TRAPS, AIR-VALVES, AND DAMPER-REGULATORS, ALL FOR STEAM-HEATING SYSTEMS. Registered November 11, 1919. THE BISHOP & BABCOCK COMPANY. Renewed November 11, 1939, to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, assignee.

127,556. **BESTO-NUT.** OLEOMARGARIN. Registered November 11, 1919. WISCONSIN BUTTERINE CO., Milwaukee, Wis. Renewed November 11, 1939, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, successor.

127,557. **NUDOE.** LARD SUBSTITUTE. Registered November 11, 1919. WISCONSIN BUTTERINE CO., Milwaukee, Wis. Renewed November 11, 1939, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, successor.

127,564. **KIMBALL'S.** SILVER-POLISH, STOVE-POLISH, AND METAL-POLISH. Registered November 11, 1919. C. M. KIMBALL COMPANY, Winthrop, Mass. Renewed November 11, 1939, to C. M. Kimball Company, Everett, Mass., a corporation of Massachusetts.

127,613. **HOLLYWOOD.** CERTAIN NAMED CANNED GOODS. Registered November 18, 1919. GOULD, WELLS & BLACKBURN CO., Madison, Wis. Renewed November 18, 1939, to The Kroger Grocery & Baking Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

127,712. **LUXAFLAT.** OIL WALL-PAINTS. Registered December 2, 1919. WILLIAM T. BAKER, INC. Renewed December 2, 1939, to Baker Paint & Varnish Co., Inc., Jersey City, N. J., a corporation of New Jersey, by change of name.

127,721. **DOT.** SNAP-FASTENERS. Registered December 2, 1919. CARR FASTENER COMPANY. Renewed December 2, 1939, to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts, assignee.

127,798. **JACK SPRAT.** CASTOR-OIL, GLYCERIN, BORAX, BAKING-POWDER, AMMONIA, AND BLUING. Registered December 2, 1919. WESTERN GROCER COMPANY, Marshalltown, Iowa, a corporation of Iowa. Renewed December 2, 1939.

128,139. **MT. VERNON.** COTTON DUCK. Registered December 23, 1919. MOUNT VERNON-WOODBERRY MILLS, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed December 23, 1939.

128,140. **SELKIRK.** COTTON DUCK. Registered December 23, 1919. MOUNT VERNON-WOODBERRY MILLS, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed December 23, 1939.

128,163. **MONARCH.** BLANKETS, LAP-ROBES, BEDSPREADS, QUILTS, AND COMFORTS. Registered December 23, 1919. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed December 23, 1939.

128,286. **HANDCRAFT TEXT.** PRINTING AND WRITING PAPER. Registered January 6, 1920. AMERICAN WRITING PAPER COMPANY. Renewed January 6, 1940, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware, assignee by mesne assignments.

128,408. **INCO.** NICKEL AND ALLOYS CONTAINING NICKEL. Registered January 6, 1920. THE INTERNATIONAL NICKEL CO., Constable Hook, N. J. Renewed January 6, 1940, to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

128,671. **PULSO-PUMP.** PNEUMATIC PUMPS. Registered January 13, 1920. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 13, 1940.

128,876. **LXXVI.** WOOL WASHING AND TREATING OILS. Registered January 13, 1920. SUN COMPANY. Renewed January 13, 1940, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey, by change of name.

129,050. **POSCO.** BARS OF OPEN-HEARTH STEEL SOLD IN BULK. Registered January 20, 1920. THE POLLAK STEEL COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed January 20, 1940.

129,070. **LEAK TITE.** PREPARED ROOFING. Registered January 20, 1920. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed January 20, 1940.

129,162. **HALLMARK.** CERTAIN NAMED CLOTHING. Registered January 27, 1920. HALL, HARTWELL & Co., Troy, N. Y. Renewed January 27, 1940, to The Hallmark Shirt Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

129,440. **CARMELITA.** TOILET POWDERS AND HAIR PREPARATIONS CONSISTING OF DEPILATORIES, DRY AND LIQUID SHAMPOOS, AND HAIR-OILS. Registered February 24, 1920. COFFIN REDINGTON CO. Renewed February 24, 1940, to Coffin-Redington Co., San Francisco, Calif., a corporation of California, successor.

129,520. **PAGEMATIC.** A MEDICINE USED FOR THE TREATMENT OF RHEUMATISM. Registered February 24, 1920. J. S. PAGE, Weatherford, Tex. Renewed February 24, 1940, to J. S. Page, Fort Worth, Tex.

129,578. **PERPETUAL.** LEAD-PENCILS, CRAYON-CHALK, DRAWING AND WRITING CRAYONS, AND DRAWING-PENCILS. Registered March 9, 1920. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Renewed March 9, 1940, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York.

129,746. **JOS'H GILLOTT.** STEEL PENS. Registered March 9, 1920. THEODORE HORNUNG. Renewed March 9, 1940, to Joseph Gillott & Sons Limited, Birmingham, England, a corporation of England, assignee.

129,771. **ARKANSAW TRAVELERS.** A LIVER-TONIC. Registered March 9, 1920. DAN L. LEYERLE, Webb City, Mo. Renewed March 9, 1940, to Dan L. Leyerle, doing business as Traveler Medicine Co., Springfield, Mo.

129,847. **MANSION.** CERTAIN NAMED KNITTED, NETTED, AND TEXTILE FABRICS. Registered March 9, 1920. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed March 9, 1940.

129,995. **WOODBERRY.** COTTON TWINE. Registered March 16, 1920. MOUNT VERNON-WOODBERRY MILLS, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed March 16, 1940.

130,071. **DELTAH.** IMITATION-PEARL NECKLACES. Registered April 6, 1920. L. HELLER & SON, INC., Providence, R. I. Renewed April 6, 1940, to L. Heller & Son, Inc., New York, N. Y., a corporation of New York.

130,102. **PHOENIX.** METAL HORSE AND MULE SHOES. Registered April 6, 1920. PHOENIX HORSE SHOE CO., Chicago, Ill. Renewed April 6, 1940, to Phoenix Manufacturing Company, Joliet, Ill., a corporation of Illinois, by change of name.

130,109. **HOTEL PENNSYLVANIA.** CIGARS, CIGARETTES, AND SMOKING AND CHEWING TOBACCO. Registered April 6, 1920. R. J. SEIDENBERG CO., Buffalo, N. Y., a corporation of New York. Renewed April 6, 1940.

130,120. **STORY & CLARK.** PIANOS, PIANO-PLAYERS, AND ORGANS. Registered April 6, 1920. STORY & CLARK PIANO COMPANY. Renewed April 6, 1940, to Story & Clark Piano Company, Chicago, Ill., a corporation of Delaware, assignee.

130,172. **DFC.** HYDROCARBON BURNERS AND FURNACES. Registered April 13, 1920. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Renewed April 13, 1940.

130,198. **KNOX.** CERTAIN NAMED ARTICLES OF CLOTHING FOR MEN, WOMEN, AND CHILDREN. Registered April 13, 1920. KNOX HAT COMPANY, INC., New York, N. Y. Renewed April 13, 1940, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware, assignee.

130,210. **A WHITE STAR, ETC.** AUTOMOTIVE AIRCRAFT. Registered April 13, 1920. GLENN L. MARTIN, Cleveland, Ohio. Renewed April 13, 1940, to The Glenn L. Martin Company, Baltimore, Md., a corporation of Maryland, assignee.

130,230. **BETTY JANE.** WHEAT-FLOUR. Registered April 13, 1920. THE ROBINSON MILLING COMPANY, Salina, Kans., a corporation of Kansas. Renewed April 13, 1940.

130,412. **SPERRY MILLS.** WHEAT-FLOUR. Registered April 20, 1920. SPERRY FLOUR COMPANY, San Francisco, Calif. Renewed April 20, 1940, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

130,427. **TOBIAS.** MEN'S AND CHILDREN'S HATS OF VARIOUS MATERIALS. Registered April 20, 1920. CHAS. TOBIAS BRO. & Co., Cincinnati, Ohio, a firm. Renewed April 20, 1940.

130,468. **BRIDGEPORT.** CERTAIN NAMED PRODUCTS OF COPPER, BRASS, AND BRONZE. Registered April 27, 1920. BRIDGEPORT BRASS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed April 27, 1940.

130,479. **A RED SEAL.** CERTAIN NAMED PLUMBING FIXTURES AND SUPPLIES. Registered April 27, 1920. COMPOUND INJECTOR & SPECIALTY CO., Chicago, Ill., a corporation of Illinois. Renewed April 27, 1940.

130,499. **VULCAN.** HORSESHOE-NAILS AND MOLDERS' NAILS. Registered April 27, 1920. THE FOWLER NAIL CO., Seymour, Conn. Renewed April 27, 1940, to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut, assignee.

130,532. **MONTE CARLO.** FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPE-FRUIT, AND TANGERINES. Registered April 27, 1920. LAKE REEDY PACKING CO. Renewed April 27, 1940, to L. Maxcy, Inc., Frostproof, Fla., a corporation of Florida, assignee.

130,561. **RP.** SCREWS, BOLTS, NUTS, RIVETS, AND BURS. Registered April 27, 1920. REED & PRINCE MANUFACTURING COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed April 27, 1940.

130,563. **JR.** CERTAIN NAMED BEVERAGES SOLD AS SOFT DRINKS. Registered April 27, 1920. JACON RIES BOTTLING WORKS, INC., Shakopee, Minn., a corporation of Minnesota. Renewed April 27, 1940.

130,595. **POLO.** WOOLEN GOODS IN THE PIECE. Registered April 27, 1920. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed April 27, 1940, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine.

130,647. **BORDEN'S.** CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. Registered May 4, 1920. THE BORDEN COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 4, 1940, to The Borden Company, New York, N. Y., a corporation of New Jersey.

130,703. **A COLORED WAITER.** COFFEE. Registered May 4, 1920. DUNCAN COFFEE COMPANY, Houston, Tex., a corporation of Texas. Renewed May 4, 1940.

130,808. **LOG CABIN.** CANDY. Registered May 4, 1920. CYRIL C. MAHAN, Baltimore, Md. Renewed May 4, 1940.

130,851. **KING POCAHONTAS.** COAL. Registered May 4, 1920. A. S. NOWLIN & Co., Lynchburg, Va., a firm. Renewed May 4, 1940.

130,874. **OXFORD.** FILING-CARDS. Registered May 4, 1920. RECORD CARD CO., New York, N. Y. Renewed May 4, 1940, to Oxford Filing Supply Co., Brooklyn, N. Y., a copartnership, assignee.

130,894. **OVENCRAFT.** WHEAT-FLOUR. Registered May 4, 1920. THE ROBINSON MILLING COMPANY, Salina, Kans., a corporation of Kansas. Renewed May 4, 1940.

130,982. **WALLIS.** TRACTORS. Registered May 4, 1920. WALLIS TRACTOR COMPANY, assignor to J. I. Case Plow Works Company. Renewed May 4, 1940, to The Massey-Harris Company, Racine, Wis., a corporation of Maryland, assignee by mesne assignments.

131,142. **LOX-IT.** CORSETS. Registered May 4, 1920. INTERNATIONAL CORSET COMPANY, Aurora, Ill., a corporation of Illinois. Renewed May 4, 1940.

131,195. **WINTUMN.** COTTON BLANKETS. Registered May 4, 1920. NASHUA MANUFG. COMPANY, Nashua, N. H. Renewed May 4, 1940, to Nashua Manufacturing Company, Nashua, N. H., and Boston, Mass., a corporation of New Hampshire.

131,247. **SUNCHENE.** SILK PIECE GOODS AND COTTON PIECE GOODS AND COMBINATIONS OF THE SAME. Registered May 4, 1920. TURNER & WALLS. Renewed May 4, 1940, to Albert H. Vandam Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

LABELS

REGISTERED DECEMBER 5, 1939

53,978.—*Title:* GRAYFLEX FOOTWEAR. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published October 30, 1939.

53,979.—*Title:* PAK-RITE. For Waxed Paper. CELLULOSE & PAPER CONVERTING CO., Philadelphia, Pa. Published September 18, 1939.

53,980.—*Title:* SPORK. For Canned All Pork Meat. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Published October 11, 1939.

53,981.—*Title:* GLASSTEEL. For Enameled Ware. COLUMBIAN ENAMELING & STAMPING CO., INC., Terre Haute, Ind. Published October 12, 1939.

53,982.—*Title:* NOR'WAY ANTI-FREEZE FILLER-UPPER. For an Anti-Freeze Composition. COMMERCIAL SOLVENTS CORPORATION, Terre Haute, Ind. Published July 5, 1939.

53,983.—*Title:* PRONTO UNGUENTO VAPORIZADO. For a Vaporizing Chest Rub. CUNNINGHAM DRUG CO., San Antonio, Tex. Published October 7, 1939.

53,984.—*Title:* DUGAN TESTED EGGS. For Eggs. DUGAN POULTRY FARM, Hicksville, N. Y. Published August 1, 1939.

53,985.—*Title:* HAZ-A-WEAR TRIM & TRELLIS GREEN. For Trim and Trellis Green Paint. THE HAZARD LEAD WORKS, INC., Brooklyn, N. Y. Published October 30, 1939.

53,986.—*Title:* LITTLE CHIEF. For Asparagus Cuts and Tips. THE HOOPESTON CANNING CO., Hoopeston, Ill. Published September 1, 1939.

53,987.—*Title:* LITTLE CHIEF. For Country Gentleman Cream Style Corn. THE HOOPESTON CANNING CO., Hoopeston, Ill. Published September 1, 1939.

53,988.—*Title:* LITTLE CHIEF. For Country Gentleman Whole Kernel Corn. THE HOOPESTON CANNING CO., Hoopeston, Ill. Published September 1, 1939.

53,989.—*Title:* LITTLE CHIEF. For Golden Bantam Cream Style Corn. THE HOOPESTON CANNING CO., Hoopeston, Ill. Published September 1, 1939.

53,990.—*Title:* BODY BUILDING HERB TEA. For a Vegetable Compound Regulative Tea. NELSON JONES, doing business as Bishop Jones' Body Building Herb Tea, Chicago, Ill. Published July 25, 1939.

53,991.—*Title:* LARSEN'S FRESHLIKE SALAD VEGETABLES, VACUUM PACKED. For Canned Salad Vegetables. THE LARSEN COMPANY, Green Bay, Wis. Published September 20, 1939.

53,992.—*Title:* MEAD'S POWDERED LACTIC ACID MILK HALF SKIM. For Homogenized, Spray-Dried Mixture of Approximately Equal Parts of Skim Milk and Whole Milk, Acidified with Lactic Acid. MEAD JOHNSON & COMPANY, Evansville, Ind. Published October 25, 1939.

53,993.—*Title:* YOUR 'NECK'S' BEST FRIEND NEW ERA SHIRTS WITH LINE-FOLD COLLAR. For Shirts. NEW ERA SHIRT COMPANY, St. Louis, Mo. Published September 21, 1939.

53,994.—*Title:* PERRINE'S SUN-RAY BRAND. For Pickles. I. D. PERRINE & SONS, Detroit Lakes, Minn. Published October 18, 1939.

53,995.—*Title:* CERTIFIED RATINGS. For Centrifugal and Axial Fans. PROPELLER FAN MANUFACTURERS ASSOCIATION, Detroit, Mich. Published July 1, 1939.

53,996.—*Title:* FAMILY SPECIAL BREAD. For Bread. RAPINWAX PAPER COMPANY, Minneapolis, Minn. Published August 2, 1939.

53,997.—*Title:* GOLD SEAL BREAD. For Whole Wheat Bread. RAPINWAX PAPER COMPANY, Minneapolis, Minn. Published August 2, 1939.

53,998.—*Title:* CRUISE-AID. For Sportswear. SHEPHERD KNITWEAR COMPANY, New York, N. Y. Published September 29, 1939.

53,999.—*Title:* GYNEASE. For Suppositories. WOOD & CHAMPAINE, Philadelphia, Pa. Published September 1, 1939.

PRINTS

REGISTERED DECEMBER 5, 1939

17,751.—*Title:* AT EASE. For Men's Clothing. WEBER AND HEILBRONER, INC., New York, N. Y. Published October 18, 1939.

REISSUES

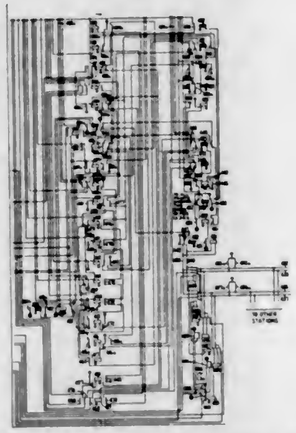
DECEMBER 5, 1939

21,284
SUPERVISORY CONTROL SYSTEM

Hans P. Boswau, Lorain, Ohio, assignor to The North Electric Mfg. Company, a corporation of Ohio

Original No. 2,059,204, dated November 3, 1936, Serial No. 613,864, May 27, 1932. Application for reissue August 10, 1938, Serial No. 224,226

27 Claims. (Cl. 177—353)



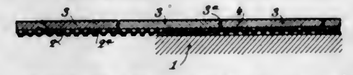
3. In a supervisory control system, a central station, a plurality of substations, a source of direct current at each of said stations, apparatus units at said substations, a single signalling channel extending from said central station to each of said substations, a transmitting relay individual to each of said stations having transmitting contacts connected across the signalling channel, a receiving relay winding individual to each station connected across the signalling channel, and a chain of relays at each station for selectively operating their associated relay in accordance with a predetermined code combination of impulses to be transmitted over said single signalling channel, means at said central station including the transmitting relay, relay chain and direct current source for transmitting code signals over the single signalling channel, said receiving relay at each substation being responsive to said signals for selectively operating their respective relay chains, said relay chains being responsive to said received code for rendering all but a predetermined substation non-responsive to any further codes; means at said selected substation for switching the relay chain thereat into a condition for transmitting code combinations of impulses; means at the central station operative following the transmission of a substation selecting code for rendering the relay chain thereat operative to receive code impulses; and switching means controlled by said relay chain and including the direct current source at the selected substation for operating the transmitter relay thereat to transmit a code to the central station to identify the selected substation.

21,285
DECORATIVE WALL COVERING

Gaston Desagnat, Paris, France

Original No. 1,976,986, dated October 16, 1934, Serial No. 651,436, January 12, 1933. Application for reissue October 5, 1939, Serial No. 298,064

9 Claims. (Cl. 72—23)



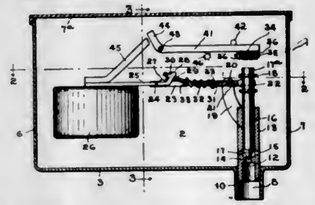
4. A decorative wall covering comprising a backing support of ribbed textile fabric and a decorative facing made of rigid material glued to the face of said fabric, said fabric having a texture sufficiently loose to be impregnated throughout its thickness by mastic used to secure it upon a wall.

21,286
CONTROL MEANS

Andrew Kip Foulds, Grosse Pointe Park, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Original No. 2,067,836, dated January 12, 1937, Serial No. 610,064, May 9, 1932. Application for reissue January 9, 1939, Serial No. 249,979

29 Claims. (Cl. 137—68)



24. In a liquid level controlling device, a reciprocable controlling member, a responsive member movable by change of liquid level and operable on movement in one direction to move said controlling member, and normally ineffective safety means operable on movement to move said controlling member, said responsive member acting upon continued movement in said one direction to move said safety means.

21,287
FILING CONTAINER

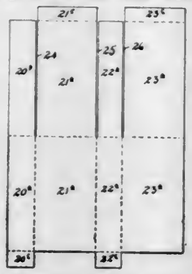
Frank D. Jonas, East Williston, N. Y., assignor to Oxford Filing Supply Co., Brooklyn, N. Y., a partnership comprising Richard A. Jonas, Richard A. Jonas, Jr., Robert P. Jonas, Frank D. Jonas, and Edward F. Jonas

Original No. 1,944,328, dated January 23, 1934, Serial No. 573,096, November 5, 1931. Application for reissue July 17, 1934, Serial No. 735,714

1 Claim. (Cl. 229—37)

A file case as described, comprising a shell of fibre board, said shell having top, bottom, rear, and side walls united to form an open-ended shell having its open end lying in a vertical plane, extensions on the top, bottom and side walls folded into the shell to form reenforcements for

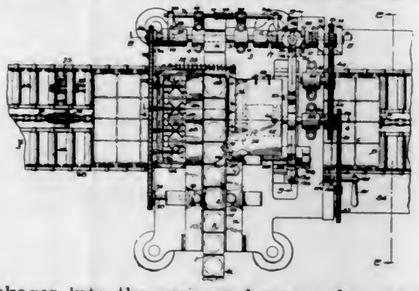
the open end thereof, the folded extensions of the side walls lying between the folded extensions



of the top and bottom walls and being of sufficient thickness to lock them in place.

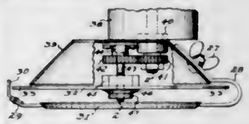
21,288
PACKING MACHINE
Anton Novotny, Detroit, Mich., assignor, by mesne assignments, to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York
Original No. 2,102,640, dated December 21, 1937, Serial No. 7,739, February 23, 1935. Application for reissue May 20, 1938, Serial No. 209,073
30 Claims. (Cl. 226—14)

25. In a packing machine for packing shipping cases having subdividing partitions comprising two sets of spaced parallel flexible strips criss-crossed with respect to one another to form individual compartments for the packages to be packed, the combination of a chute for the packages to drop through into the shipping case, means for supporting the shipping case beneath the chute, means for feeding a plurality of packages into the chute, transverse walls within the chute subdividing the same into individual chutes for the individual packages, and means for squaring up the criss-crossed flexible partitions to shape the individual compartments to receive the packages comprising yieldable blade-like fingers on the side walls of the chute intermediate said transverse walls and on both sides of each of the transverse walls and extending below the lower edges of the chute, said fingers at all times projecting in the direction of movement of the



packages into the case, and means for causing said fingers to simultaneously engage the said criss-crossed partitions and shift the same at right angles to one another within the shipping case.

21,289
GRASS CUTTER AND HEDGE TRIMMER
John Alexander Orr, Chicago, Ill.
Original No. 2,153,771, dated April 11, 1939, Serial No. 77,661, May 4, 1936. Application for reissue July 17, 1939, Serial No. 284,902
5 Claims. (Cl. 56—25)

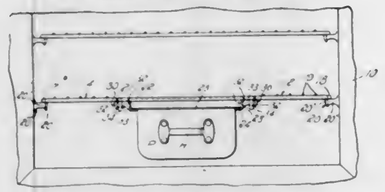


1. In grass cutters and hedge trimmers, a motor casing, a skirt at one end thereof, guard teeth carried by said skirt, and guard shoes secured to said guard teeth and adjustable relative thereto.

PATENTS

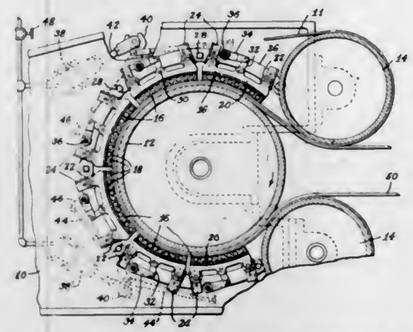
GRANTED DECEMBER 5, 1939

2,181,858
REFRIGERATOR APPARATUS
Oscar M. Anderson, New Britain, Conn., assignor to Landers Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application December 15, 1936, Serial No. 115,969
4 Claims. (Cl. 312—150)



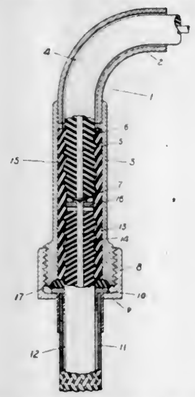
1. In a refrigerator, a metal shelf composed of a pair of spaced longitudinal members interconnected by spaced parallel cross members, a plate located between a pair of said cross members and having depending side faces, inturned supporting flanges on said side faces slidably engaging and supporting a pan therebeneath, spaced studs laterally extending from each of said side faces, and means on said pair of cross members removably receiving said studs.

2,181,859
VULCANIZING MACHINE
Walter J. Baker, West Somerville, and Cecil J. H. Perry, North Quincy, Mass., assignors to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application September 3, 1937, Serial No. 162,270
10 Claims. (Cl. 18—6)



10. A continuous vulcanizing machine, comprising a vulcanizing drum, an endless band having an open loop portion passing around a substantial arcuate portion of the drum, a heating jacket comprising a plurality of independent segments having arcuate surfaces located adjacent to and cooperating with said loop portion of the band, means for heating the segments, a fluid operated power unit, means including a shaft connected to and operated by the power unit, and auxiliary means connecting the segments to the second-named means for simultaneously forcing the segments inwardly and pressing their arcuate surfaces into surface contact with the band.

2,181,860
SHIELDING AND CURRENT CONDUCTING ASSEMBLY
Allen Adkinson, United States Marine Corps
Application July 16, 1937, Serial No. 153,939
6 Claims. (Cl. 174—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



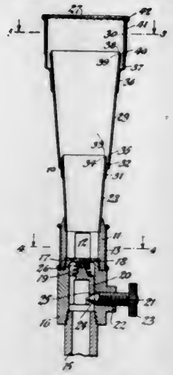
1. A shielding and current conducting assembly comprising in combination an electrically conductive casing, a current carrying conductor provided with a covering of insulating material and disposed within said casing, a second electrically conductive casing arranged in end to end relationship with said first-mentioned casing, a current carrying conductor likewise provided with a covering of insulating material and disposed at least in part within this latter casing, an insulating member interiorly threaded at its ends and removably disposed within said first-mentioned casing for detachably connecting said conductors and engaging the insulating material thereof, resilient fluid impervious means interposed between adjacent casing ends, and means for connecting said casings to insure an electrically continuous path therebetween and to cause a compression of said first-mentioned means, thereby sealing an end of said insulating member and the end of the casing in which said member is disposed.

2,181,861
PHOTOGRAPHIC DEVELOPER
James R. Alburger, Merion, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1938, Serial No. 243,237
3 Claims. (Cl. 95—88)

3. A photographic developer having substantially the following composition per liter of water solution:

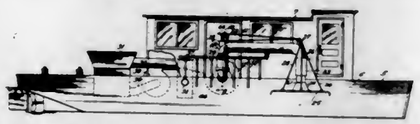
	Grams
Sodium sulphite	50
Hydroquinone	15
Sodium carbonate	80
Potassium bromide	9
Sodium hydroxide	30
Potassium alum	40

2,181,862
GAS BURNER
Frederick A. Baynes, Buffalo, N. Y.
Application April 2, 1938, Serial No. 199,679
1 Claim. (Cl. 158—99)



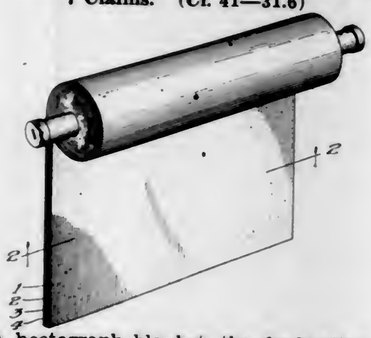
A gas burner comprising a tubular conduit which is generally of conical form and provided at its small end with an inlet for the combustible mixture and at its large end with an outlet at which said mixture burns, said conduit including a lower conical section of comparatively small diameter and an upper section of relatively large diameter and the lower end of the upper section overhanging the outer side of the large end of said lower section so as to be offset laterally therefrom and form an annular pocket between the inner side of the upper section and the outer side of the lower section, which pocket is closed at its lower end so as to cut off communication at this place between the interior of the conduit and the external atmosphere while the upper end of this pocket opens into the interior of said conduit, and said pocket being of substantially uniform cross section throughout its length, and the large end of said lower conduit section terminating in a sharp edge which is straight on its inner side and bevelled on its outer side, a screen mounted on the upper end of the large section of said conduit and extending across the outlet thereof.

2,181,863
APPARATUS FOR DESTROYING AND REMOVING MARINE GROWTHS WHICH IMPEDE NAVIGATION
Eddie Bell, Jacksonville, Fla.
Application February 28, 1938, Serial No. 193,157
4 Claims. (Cl. 56—9)



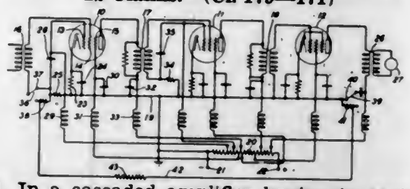
1. An apparatus of the class described, comprising, in combination, a water craft, a suction pump mounted on said craft, a grinding device connected to the discharge end of said pump, a second pump connected to said grinding device, a grinding and compressing device connected to said second pump and having a discharge conduit extending without said craft, a suction conduit having a nozzle extending over said craft and connected to said first mentioned pump, and means for adjusting said nozzle relative to the surface of the water adjacent said craft whereby water growth is removed from the water through said conduit to said devices for discharge into said water.

2,181,864
HECTOGRAPH BLANKET HAVING A DUPLICATING SURFACE COVERED WITH A NON-ADHESIVE FILM
Johan Bjorksten, Chicago, and William Hoskins, Jr., La Grange, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application February 28, 1938, Serial No. 193,089
7 Claims. (Cl. 41—31.6)



1. A hectograph blanket, the duplicating surface of which is covered with a removable non-adhesive film comprising a substance selected from the group consisting of algins and pectins.

2,181,865
MULTIGRID TUBE AMPLIFIER
Knox C. Black, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 23, 1936, Serial No. 86,778
12 Claims. (Cl. 179—171)

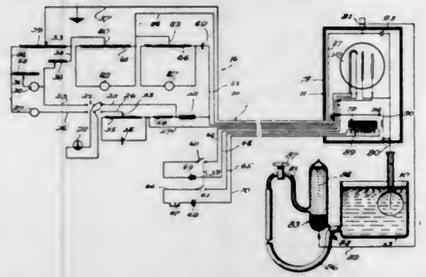


1. In a cascaded amplifier having in each of a plurality of stages a tube having cathode, anode, control grid and space-charge grid elements, capacitive coupling impedance between said two grids in each of said stages and a resistive impedance between the space charge grid and cathode, the corresponding ends of said last impedances in said stages being at ground potential.

2,181,866
HYDROGEN ION METER
Donald H. Cameron, Racine, Wis., assignor to B. D. Eisendrath Tanning Co., Chicago, Ill., a corporation of Illinois
Application May 26, 1937, Serial No. 144,873
15 Claims. (Cl. 175—183)

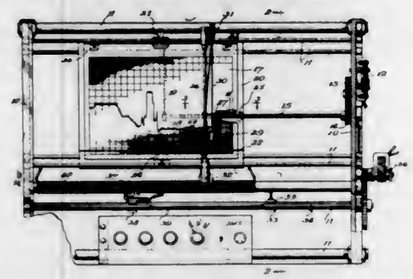
1. In combination, a compact test unit comprising a glass electrode, a thermionic tube in close proximity thereto, a short conductor connecting the glass electrode to the grid of the tube, indicating means in remote relation to said test unit, a cable adapted to connect the plate of the tube to said remote indicating means, means adjacent

said tube operable for rendering said tube effective and ineffective, and control means adjacent



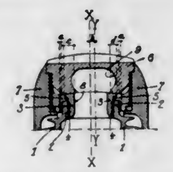
said indicating means for actuating said operable means.

2,181,867
AUTOMATIC RECORDER
Donald H. Cameron, Racine, Wis., assignor to B. D. Eisendrath Tanning Co., Chicago, Ill., a corporation of Illinois
Original application March 27, 1937, Serial No. 133,333. Divided and this application January 7, 1938, Serial No. 183,908
3 Claims. (Cl. 234—71)



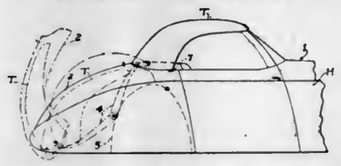
1. In a recording instrument, in combination, a chart supporting member, a carriage, means supporting said carriage for free sliding and swinging movement, means for moving said chart supporting member in a direction transverse to the direction of the sliding movement, a recording element mounted on said carriage, and a cord for actuating said carriage, said cord extending at an inclination to the direction of sliding movement of the carriage to force said recording element towards the chart supporting member.

2,181,868
VALVE SEALING MEANS FOR ENGINES
Humbert Denis Jean Cantoni, Paris, France
Application January 19, 1938, Serial No. 185,743
In France January 19, 1937
8 Claims. (Cl. 121—187)



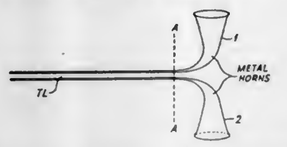
1. In an engine, a valve member and a cylinder mounted to have relative movement with respect to each other, a sealing element mounted for rotation about its own axis at the outer end of the cylinder and having an end sealing surface in sliding contact with the face of said valve member, said valve face and said sealing surface being formed and arranged to provide unbalanced friction areas therebetween for causing rotation of the sealing element about its axis in at least one position of the cylinder relative to the valve member.

2,181,869
VEHICLE BODY
Raymond L. Carr, Boston, Mass.
Application August 10, 1935, Serial No. 35,610
29 Claims. (Cl. 296—107)



1. A vehicle body having a front and a rear seat, a rear transversely arched deck, a lowerable top having a rigid, transversely arched portion extending over the front and rear seats movable into the deck in generally nested relation to the same, said top having a rear panel movable relative to its body portion, said body portion, when lowered, providing a rear opening affording access to a storage compartment within the deck and the lowered body portion.

2,181,870
WIDE BAND, SHORT WAVE ANTENNA AND TRANSMISSION LINE SYSTEM
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 15, 1938, Serial No. 190,555
2 Claims. (Cl. 250—33)

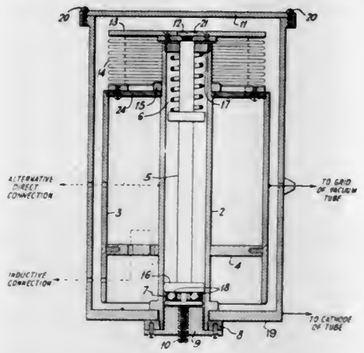


1. A short wave antenna and transmission line system having a wide band impedance versus frequency characteristic comprising a pair of conductive structures in the form of oppositely disposed horns, feeder wires for the small dimensions of said horns, said feeder wires gradually expanding in diameter and imperceptibly merging with said horns.

2,181,871
CONCENTRIC LINE TUNED CIRCUITS
James W. Conklin, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1937, Serial No. 123,090
19 Claims. (Cl. 178—44)

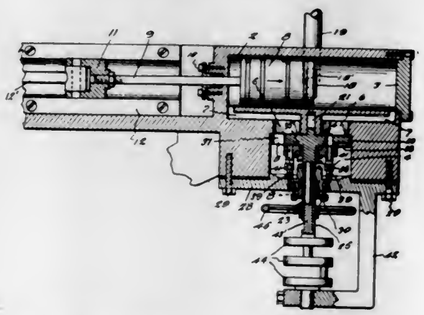
18. A tuned circuit comprising a pair of conductors disposed one within the other and electrically coupled together at one end and an intermediate hollow conductor electrically coupled to one of said conductors of said pair at its other

end, said intermediate conductor being so constructed and arranged as to surround substan-



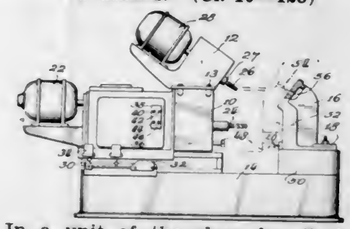
tially the major portion of the length of the inner conductor of said pair.

2,181,872
VALVE MECHANISM FOR ENGINES
Farrier Cormier, Welsh, La., assignor of one-third to Ovillian Matt and one-third to Ada Cormier, both of Welsh, La., and one-third to Theobert Cormier, Jefferson Davis Parish, La.
Application March 9, 1938, Serial No. 194,969
4 Claims. (Cl. 121—179)



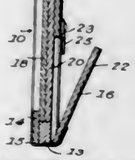
1. In an engine actuated by compressible fluid and including a cylinder, a piston operating in the cylinder and said cylinder having a substantially centrally arranged outlet port and conduits leading from the ends of the cylinder, a valve chest, means for introducing fluid thereinto, said chest having oppositely arranged elongated ports therein for communicating the chest with the conduits, a rotary disk in the chest having an outer elongated arcuate slot therein for uncovering portions of the ports of the chest during the rotary movement of the disk, said disk having an inner arcuate slot therein for uncovering the inner portions of these ports during the rotary movement of the disk, a stationary disk of smaller diameter than the first disk and contacting the portion thereof containing the inner slot, oppositely arranged tubular parts carried by the stationary disk and being alternately placed in communication with the chest ports by the inner slot of the rotary disk, means for connecting the tubular parts with the exterior of the chest and means for rotating the rotary disk.

2,181,873
COMBINATION DIRECTIONAL DRILLING AND TAPPING UNIT
Howard Cregar, Richmond, Ind., assignor to The National Automatic Tool Company, Richmond, Ind., a corporation of Indiana
Application November 6, 1937, Serial No. 173,066
9 Claims. (Cl. 10—128)



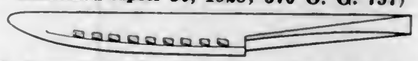
1. In a unit of the class described, a work table, a drilling mechanism movable to and from said table for machining operations, a tap mechanism carried by said drilling mechanism and traversed with said drilling mechanism, means for feeding said drilling mechanism relative to said table and indexing said tap mechanism, and means for feeding said tap mechanism independently of said drill feeding means.

2,181,874
PICTURE HOLDER
Carroll N. Cross, Middleboro, Mass.
Application November 18, 1937, Serial No. 175,308
8 Claims. (Cl. 40—152)



1. A picture holder constructed of lightweight flexible stock comprising an enclosure for a picture, a picture inserting passage in the back of said holder extending inwardly from one edge thereof, a closure flap for said passage, a flexible binding strip constituting the sole means for joining said closure flap to said holder adjacent the margin thereof to permit angular movement of said flap, and means carried by the back of said holder for maintaining said flap in normally closed position.

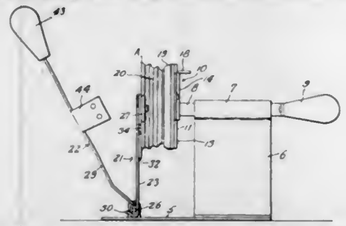
2,181,875
SPRAY STRIP FOR SEAPLANES
Walter S. Diehl, United States Navy
Application January 20, 1938, Serial No. 185,813
6 Claims. (Cl. 114—66.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A seaplane float having a chine, a series of spray deflecting plates fixedly secured along the chine of the float, each plate being twisted to a small positive angle to the float bottom surface.

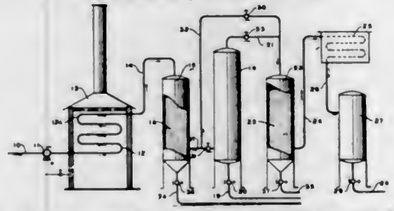
2,181,876
JAR CAP TOOL
Michelangelo Di Grappa, East Palestine, Ohio
Application November 29, 1937, Serial No. 177,108
2 Claims. (Cl. 81—15.1)

1. In a device for reforming the edge flange of a jar cap, a base, an upstanding bearing bracket on said base, a shaft rotatably mounted in said bracket and having a crank on one end thereof for rotating the same, a chuck fast on the other end of said shaft for rotation therewith and operative to clamp the cap thereto concentrically of



said shaft, and flange reforming means comprising a pair of reforming rollers mounted on said base for movement bodily into and from straddling relation to said flange and one movable independently of the other for cooperation with said other to clamp the flange therebetween during rotation of said cap.

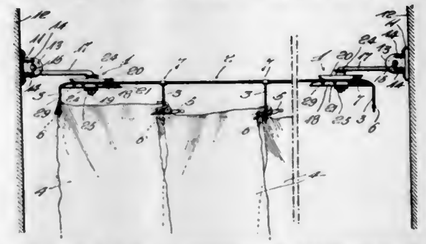
2,181,877
PROCESS OF TREATING HYDROCARBON OILS
Harry E. Drennan, Whittenburg, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 19, 1936, Serial No. 80,627
3 Claims. (Cl. 196—52)



3. A process for improving the anti-knock characteristics of hydrocarbon motor fuels boiling within the gasoline range, which comprises vaporizing said fuels, superheating said vapors to a temperature within the range 500° to 1200° F., passing said hydrocarbons while at a temperature within said range into contact with a body of Brucite, at a pressure of atmospheric or higher and at a flow rate sufficient that substantially only a minimum of cracking occurs.

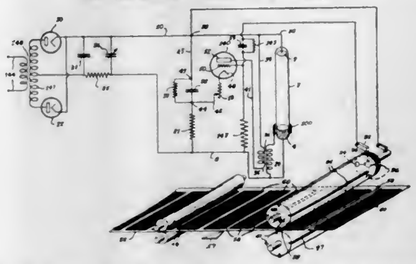
2,181,878
CLOTHESLINE AND PULLEY
Dorsey Eckleberry, Hawley, Pa.
Application January 10, 1938, Serial No. 184,312
2 Claims. (Cl. 74—230.8)

1. In a clothesline support, a pulley wheel comprising a hub bored axially to receive a mounting stem, a lower main disc rigid with said hub and surrounding the hub intermediate the length thereof, and an upper auxiliary disc rigidly secured upon the upper face of the main disc about the hub, said main disc being formed with a shallow marginal lip curved downwardly radially thereof away from the auxiliary disc and merging into the upper face of the main disc, and said auxiliary disc being formed with a circumferential marginal flange extending upwardly away from the main disc at an outward incline radially of the auxiliary disc at an abrupt angle to the under face of the auxiliary disc and having its under surface intersecting the main disc at an obtuse angle thereto whereby the lip and the flange cooperate with each other to form the



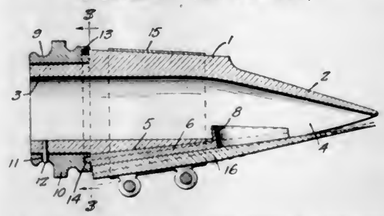
pulley with a circumferentially extending rope-receiving groove substantially V-shaped in cross section to provide walls converging inwardly for gripping a rope.

2,181,879
CUTTING MACHINE
Harold Eugene Edgerton, Watertown, Mass.
Application May 9, 1932, Serial No. 610,045
19 Claims. (Cl. 164—68)



1. A cutting machine having, in combination, means for feeding material, means for cutting the material, means for actuating the cutting means to cause the cutting means to cut the material at predetermined points, stroboscopic means for illuminating the material comprising a tube having two metal electrodes and an external electrode, and means synchronized with the actuating means for establishing a high-potential gradient between the electrodes and the external electrode.

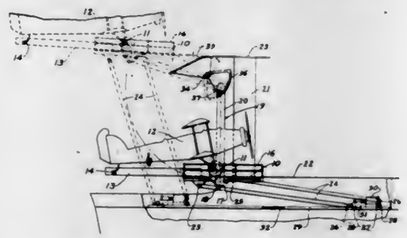
2,181,880
MOUTHPIECE FOR REED MUSICAL INSTRUMENTS
Daniel Ludwig Fauss, Pittsburgh, Pa., assignor of forty-eight per cent to William P. Werme, Pittsburgh, Pa.
Application December 12, 1938, Serial No. 245,289
4 Claims. (Cl. 84—383)



1. A mouthpiece for a reed musical instrument, comprising a hollow body, a beveled lip portion

formed on one end of the body and having a mouth opening therein, a nipple at the opposite end of the body, a lay plate seated in the body for rocking movement, a reed carried by the plate and having its tip portion contiguous with the opening for controlling the same, cam means mounted on the nipple and connected to the plate for rocking the latter for adjusting the tip portion of the reed with respect to the opening.

2,181,881
ELEVATING APPARATUS
Laurence W. Ferris, Hyattsville, Md.
Application October 10, 1938, Serial No. 234,221
7 Claims. (Cl. 214—130)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



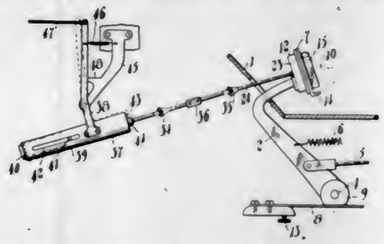
1. Elevating apparatus comprising a platform, link means for suspending said platform for swinging movement about a horizontal axis located thereabove, a substantially horizontally disposed track, a rack associated with said track, a carriage mounted on said track, parallel link mechanism connecting said platform with said carriage, a motor on said carriage and gear means driven by said motor and meshing with said rack for moving said carriage along said track to swing said platform about said axis between a lower level and a higher level, said parallel link mechanism maintaining said platform substantially horizontal throughout its travel between said levels.

2,181,882
DESTRUCTION OF VERMIN ON SHELLFISH BEDS
Frank M. Flower, Oyster Bay, N. Y.
No Drawing. Application October 22, 1937, Serial No. 170,349
6 Claims. (Cl. 43—124)

1. In the art of cultivation of oysters or like shellfish the method of treating a shellfish bed for substantial destruction of starfish or like vermin infesting the bed without substantial injury to the shellfish under cultivation, said method consisting in methodically applying lime directly to the submerged bed by distributing it over the infested areas of the bed in a manner to be received or rest directly upon the bed and in sufficient quantities to kill or render harmless the vermin by the chemical action of the lime.

2,181,883
COMBINATION BRAKE AND ACCELERATOR CONTROL
Robert C. Gibson, Toronto, Ontario, Canada
Application May 23, 1938, Serial No. 209,501
18 Claims. (Cl. 74—513)

1. A throttle control means for motor vehicles comprising a foot plate; two control arms pivotally mounted on the foot plate and operable by either side of the driver's foot; a shaft rotatable

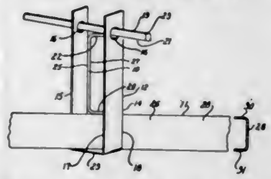


by each of the two arms; and a throttle actuating device connected to the shaft.

2,181,884
PROCESS OF CARROTING
Anthony Philip Giuliano, Newark, N. J.
No Drawing. Application October 7, 1937, Serial No. 167,856
15 Claims. (Cl. 8—112)

1. The process of carroting animal fur fibres and the like for felting, which comprises treating the same with a solution containing a protein coagulant selected from the class consisting of phosphotungstic and phosphomolybdic acids in an amount sufficient to carrot the fibres, and an alkali in an amount in the solution to give to the same a pH value more than 13.0.

2,181,885
FURRING ATTACHMENT
William M. Goldsmith, Cincinnati, Ohio
Application March 2, 1938, Serial No. 193,565
3 Claims. (Cl. 72—118)



3. The combination of a pair of structural elements having contact upon one another and extending at an angle to one another, a sheet metal U-shaped clip having greater width than thickness and having its arms astride both said structural elements, the clip arms being perforated at their free ends at a distance from the clip base approximating the combined width of said structural elements, the lateral edges of said clip arms contacting the structural elements, and a wedge extending through the apertures in said clip arms and frictionally securing the structural elements between the wedge and the base of the clip.

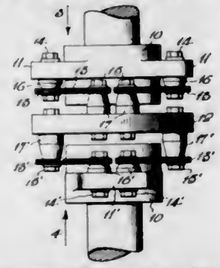
2,181,886
SAUSAGE CASING
Leo A. Goodman, Brooklyn, N. Y., assignor of one-half to Marcleph & Co. Inc., New York, N. Y., a corporation of New York
Application May 23, 1935, Serial No. 22,931
Renewed March 7, 1939
6 Claims. (Cl. 99—176)

3. A sausage casing comprising a tube of knitted material impregnated and coated with microporous vulcanized rubber.

2,181,887
METHOD OF MAKING CASINGS FOR SAUSAGES OR OTHER MEAT PRODUCTS
Leo A. Goodman, Brooklyn, N. Y., assignor of one-half to Marcleph & Co. Inc., New York, N. Y., a corporation of New York
Original application May 23, 1935, Serial No. 22,931. Divided and this application February 16, 1938, Serial No. 190,748
5 Claims. (Cl. 99—176)

1. A method of making a sausage casing comprising the steps of coating a sheet of knitted fabric which is relatively stretchable in one direction with a rubber dispersion in which small amounts of compatible soluble bodies are uniformly distributed, coagulating and drying the coating, vulcanizing the coated fabric, treating with a solvent which does not affect the fabric or rubber but which dissolves the soluble particles to produce small pores in the rubber coating, and forming the coated fabric into a tube in which the relatively stretchable direction of the fabric is arranged circumferentially of the tube.

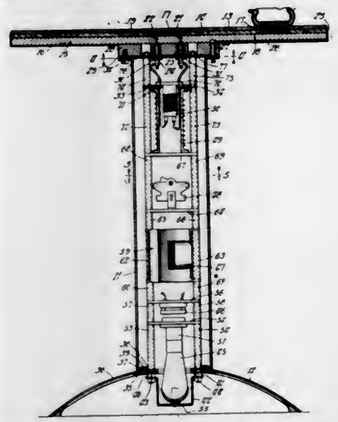
2,181,888
FLEXIBLE COUPLING
Harold Horatio Gustin, Warren, Pa.
Application May 27, 1938, Serial No. 210,465
4 Claims. (Cl. 64—15)



1. A flexible coupling comprising two spaced axially alined shaft-engaging hubs, each provided with equally spaced radial arms, the arms of one hub being staggered with respect to those of the other hub, each of said arms being provided with a pair of circumferentially spaced openings; an inherently rigid member axially alined with and disposed between said hubs, said member being provided with circumferentially spaced pairs of circumferentially spaced openings alined with the pairs of openings of said arms; flat resilient links disposed in two circular series, one of said series being disposed at one side of said member and the other series at the other side thereof, the links of each series being slightly spaced apart circumferentially, one end of each link being provided with an opening alined with one of a pair of the openings in said arms, the other end of the link being provided with an opening alined with one of a pair of the openings in said member, and pairs of bolts passing through the alined openings and securing the circumferentially spaced links to said arms and member, with half the number of links extending from said arms in the direction of rotation of the coupling and the remainder extending from said arms in the opposite direction.

2,181,889
DECORATIVE ILLUMINATING SYSTEM
Earl C. Hanson, Chicago, Ill.
Application March 23, 1936, Serial No. 70,489
4 Claims. (Cl. 240—2)

1. A display combination for illuminating glass vessels having sealed chambers filled with a gas capable of being made luminous by a high frequency wave transmitted thereto by a radiator, a table comprising a pedestal and top, said top being made up of a plurality of layers of dielectric material, and interposed therebetween, two layers of metal foil extending over only a portion of the table top, said two layers of foil being of



substantially the same shape, one directly above the other and separated by one of the layers of dielectric material, said pedestal supporting the top and having means therein for translating ordinary low frequency current into high frequency current which is connected to one of the layers of metal foil and whereby a high frequency wave is emitted for illuminating the gas filled chambers when placed directly over the foil.

2,181,890
PREPARATION OF SALTS OF INTERFACE MODIFYING AGENTS
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application February 16, 1938, Serial No. 190,703
18 Claims. (Cl. 260—400)

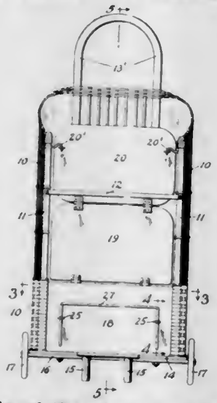
1. The method of converting a salt of an organic interface modifying agent, having a lipophile group with at least six carbon atoms and a hydrophile group, which possesses relatively poor cold-water solubility, into a different salt of otherwise the same interface modifying agent which possesses substantially enhanced cold-water solubility which comprises preparing a hot solution containing at least several percent of said first mentioned salt of an interface modifying agent and passing the same into contact with a base exchange material containing replaceable cations of said second-mentioned salt whereby an exchange of cations takes place to produce the salt having the enhanced cold-water solubility.

2,181,891
MICROPOROUS RUBBER SHEET
Eardley Hazell, New York, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 5, 1935, Serial No. 30,021
8 Claims. (Cl. 136—146)

8. A microporous vulcanized hard rubber battery plate separator having the longitudinal grain characteristic of calendered rubber, and in which

the rubber phase is continuous and constitutes at least about one-half of the separator, by weight, said rubber being intimately associated with dispersed finely divided cellulosic material, and colloidal clay ingredients in a proportion by weight not exceeding the weight of the hard rubber.

2,181,892
COMBINATION BABY AND PARCEL CARRIER
William H. Head, Venice, Calif.
Application November 14, 1938, Serial No. 240,314
6 Claims. (Cl. 280—47)



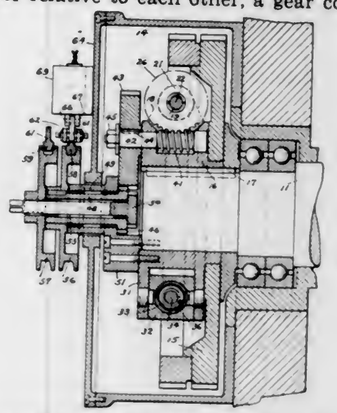
1. An article of the character shown and described including a barrel-like body having an open front and a closed bottom, and means therein for supporting a seat above said bottom with its front edge hinged in said open front, a seat composed of two sections hinged together at the back and adapted to be opened up to a vertical position to form a closing wall for the open front of said body, whereby to convert it into a package carrier, open to its bottom, and a handle for handling said carrier.

2,181,903
SYNTHETIC RESINS
Horace H. Hopkins, Ridley Park, Pa., and Frank A. McDermott, Claymont, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 26, 1930, Serial No. 471,083. Renewed August 16, 1938
4 Claims. (Cl. 260—22)

1. The process of producing modified polyhydric alcohol-polybasic acid resins that are clear and homogeneous and form rapid and hard drying films which comprises heating glycerol, phthalic anhydride, linseed oil acids and China-wood oil, the China-wood oil constituting between 10% and 60% of the combined linseed oil acids and China-wood oil content.

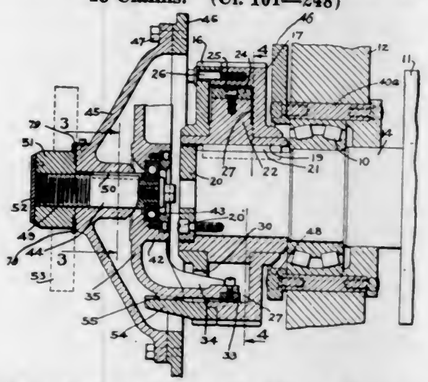
2,181,894
MEANS FOR REGISTERING PRINTING MACHINE CYLINDERS
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 12, 1936, Serial No. 95,505
13 Claims. (Cl. 101—248)

9. In a printing machine, a cylinder, a driven member, means operably interposed between the cylinder and driven member to drivingly connect said driven member to said cylinder and including a pair of elements, one of said elements being axially movable and engaging the driven member and the other element rotatably mounted upon the axially-movable element and cooperating therewith to axially move it, the axially-movable member being supported for movement with the cylinder and engaging the driven member so that axial movement of the axially-movable member rotatably adjusts said cylinder and said driven member relative to each other, a gear connected



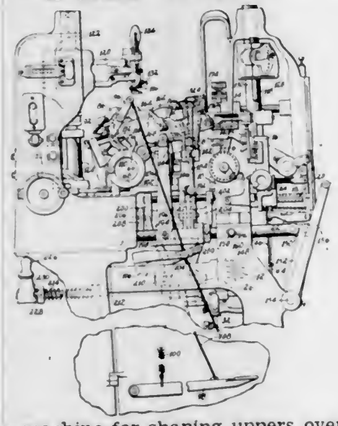
to said rotatable element, a pair of pinions drivingly connected to said gear, the axis of said pinion being in alinement with the axis of said cylinder, a gear being mounted for rotation bodily about the axis of said pinion, separate brake means for selectively engaging said pinions, means to selectively actuate either of said brake means to prevent rotation of the pinion connected thereto, and yieldable means operably interposed between the cylinder and driven member to constantly bias the axially-movable member into engagement with the driven member.

2,181,895
REGISTERING MECHANISM FOR PRINTING CYLINDERS
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application September 10, 1937, Serial No. 163,166
18 Claims. (Cl. 101—248)



17. In a printing machine having a form cylinder mounted for adjustment axially and rotatively, a gear mounted in axial alignment with said cylinder and held against axial movement with respect thereto, and driving means connecting said cylinder and said gear, including adjustable means adapted to rotate the gear in one direction with respect to the cylinder and resilient means tending to rotate the gear in the opposite direction, to prevent backlash in the driving means.

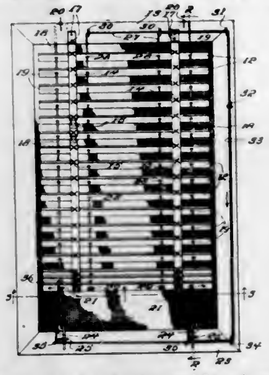
2,181,896
MACHINE FOR SHAPING UPPERS OVER LASTS
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 1, 1938, Serial No. 243,414
48 Claims. (Cl. 12—7)



1. In a machine for shaping uppers over lasts, side-lasting members movable to lay the margin of an upper inwardly over an insole on a last at the opposite sides of the forepart in locations heelwardly of the toe portion of the shoe, toe-lasting members movable relatively to said side-lasting members to lay the margin of the upper inwardly over the insole around the toe end of the shoe, said toe-lasting members being formed to extend substantial distances lengthwise of the shoe heelwardly of the toe portion when they are over the insole to overlap portions of the margin of the upper operated upon by the side-lasting members, and means for moving the side-lasting members inwardly over the insole before the toe-lasting members lay the margin of the upper inwardly and for then retracting them to avoid interference with the toe-lasting members.

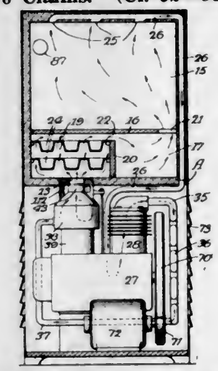
2,181,897
WINDOW BLIND
Milton R. Kapp, Vinita, Okla.
Application October 28, 1938, Serial No. 237,576
3 Claims. (Cl. 156—17)

1. A window blind comprising a frame, a plurality of superposed slanted slats within the frame, limp tapes suspending the slats from the upper transverse member of the frame, said slats having openings near the ends, guide wires secured to the upper and lower transverse members of the frame and engaged through said openings, the openings of the lowermost slat being closer together than the openings of the other slats so that said guide wires are deformed when passing through the openings of the lowermost slat to create friction for holding the slats in adjusted positions, and cords connected to the slats



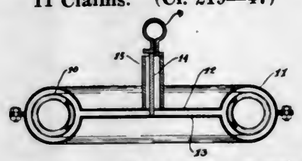
for moving the slats on the guide wires in the nature of a Venetian blind.

2,181,898
REFRIGERATING APPARATUS
Edward L. Kastler, Waukegan, Ill., assignor of one-half to Paul S. Mantonya, Chicago, Ill.
Application June 17, 1935, Serial No. 27,001
6 Claims. (Cl. 62—98)



2. In a refrigerator, in combination, a cabinet having an air outlet, a cooling chamber and a congealing compartment communicating with the cooling chamber, means for chilling air by expansion, a nipple connecting the expanding means with the interior of the cabinet and delivering into the congealing compartment, and a dehydrating chamber surrounding and in contact with the nipple discharging air from the expander.

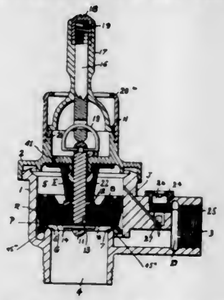
2,181,899
TRANSFORMER
Theodore R. Kennedy, Morrisville, Pa., assignor to Ajax Electrothermic Corporation, Ewing Township, N. J., a corporation of New Jersey
Application January 26, 1939, Serial No. 252,906
11 Claims. (Cl. 219—47)



1. A focus inductor assembly comprising a pri-

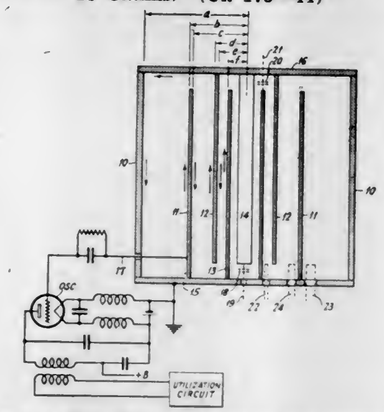
mary winding a secondary winding coaxially coupled with same and a distributing inductor connected in series with said secondary winding the impedances of said secondary and distributing members being substantially equal.

2,181,900
PISTON AND FLUSH VALVE
Jesse D. Langdon, Los Angeles, Calif.
Application October 6, 1936, Serial No. 104,283
8 Claims. (Cl. 137—93)



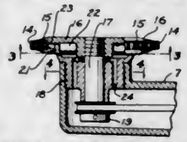
1. A flush valve comprising a casing having inlet and outlet ports, a one piece cylinder stamped of sheet metal having a closed end disposed in said casing with the open end toward the outlet port, a space for fluid provided around said cylinder within said casing, the closed end of said cylinder having an adjustable bypass disposed therethrough, a piston in said cylinder having a pressure releasing port therethrough, a relief valve disposed across said pressure releasing port, a sleeve of compressible and longitudinally deformable material subject to be elongated by pressure within a pressure chamber formed by said cylinder, said pressure tending to overcome any tipping movement of said relief valve or piston and normalize the seating alignment of said relief valve and said piston.

2,181,901
RESONANT LINE
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 4, 1937, Serial No. 118,971
13 Claims. (Cl. 178—44)



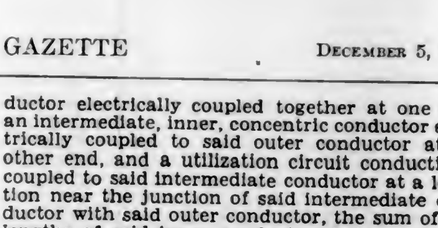
8. In combination, a resonant line comprising an outer conductor and a concentric central conductor electrically coupled together at one end, an intermediate, inner, concentric conductor electrically coupled to said outer conductor at its other end, and a utilization circuit conductively coupled to said intermediate conductor at a location near the junction of said intermediate conductor with said outer conductor, the sum of the lengths of said inner conductors being approximately one-quarter of the length of the wave to whose frequency the line is resonant.

2,181,902
TRANSFER MECHANISM
Louis E. Lovett, Cleveland Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 6, 1936, Serial No. 83,967
12 Claims. (Cl. 18—8)



1. A rotatable thread transfer mechanism comprising a helix of rectangular cross-sectional shape, corresponding portions thereof providing a series of thread-engaging means.

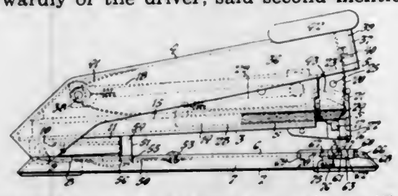
2,181,903
PRESSER MEMBER FOR CLICKING MACHINES
Mieth Maeser, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 2, 1938, Serial No. 217,240
9 Claims. (Cl. 164—23)



2. A hollow unitary presser member for a clicking machine comprising a shell cast in one piece and having a base portion, a top wall extending at an inclination to the base portion, side walls extending between the base portion and the top wall, a central reinforcing wall connecting the base portion and the top wall and partitioning the presser member longitudinally, and reinforcing ribs upon opposite sides of the central wall and extending along the inner faces of the top and side walls and the base portion.

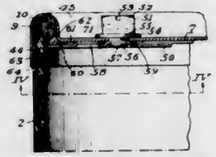
2,181,904
FASTENER-APPLYING DEVICE
Arthur H. Maynard, Warwick, and Joseph M. Gambao, East Greenwich, R. I., assignors to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine
Application July 9, 1938, Serial No. 218,358
7 Claims. (Cl. 1—3)

1. In a device of the type indicated, a base, an arm mounted on the base for movement toward and away from the latter, a driver on the arm for applying staples fed thereto, a spring for holding the driver in raised position on the arm, and a second spring of greater resistance than the first-mentioned spring acting on the arm rearwardly of the driver, said second-mentioned



spring operating to hold the arm raised with respect to the work on the base until the driver has been actuated to drive a staple to penetrate its legs through the work and thereafter yielding to permit the arm to move toward the base.

2,181,905
CONTAINER AND METHOD OF MAKING THE SAME
Harold E. McCrery, Dayton, Ohio, assignor to Fibresteel, Inc., Dayton, Ohio, a corporation of Ohio
Application November 18, 1936, Serial No. 111,405
5 Claims. (Cl. 229—5.5)



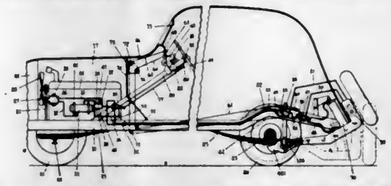
1. A container comprising a body formed of a plurality of superimposed layers of paper folded adjacent an end of the body to form an integral solid paper bead, the fold of one layer lying adjacent the side of the next layer which is remote from its fold, and a metal head having a flange cooperating with the bead for closing the container.

2,181,906
MANUFACTURE OF CELLULOSE ESTERS
Clemmy O. Miller and Arthur E. Siehrs, Chicago, Ill., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 30, 1937, Serial No. 177,388. Renewed October 6, 1939
18 Claims. (Cl. 260—224)

1. A method of preparing cellulose esters which comprises reacting anhydrous alkali metal cellulosates with an esterifying agent selected from the group consisting of organic acid halides and organic acid anhydrides.

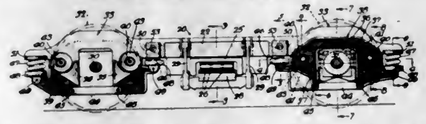
2,181,907
PARKING DEVICE
John H. Moffat, Indianapolis, and Cecil H. Taylor, South Bend, Ind.
Application February 5, 1937, Serial No. 124,224
24 Claims. (Cl. 180—1)

1. In a vehicle having an engine, a pair of axially aligned vehicle supporting wheels and an intermediate wheel normally in non-supporting position, the combination of pump means operable by the engine, fluid pressure operable means for positively moving the intermediate wheel into vehicle supporting position and therefrom into non-supporting position, other fluid pressure operable means for positively rotating the intermediate wheel when in vehicle supporting position for moving the intermediate wheel supported portion of the vehicle laterally of the original position of the supported portion and thereafter into the last mentioned original position, means con-



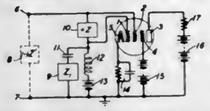
necting both fluid pressure operable means to the pump means for operation by the pump means, and manually operable control means for the last mentioned connecting means.

2,181,908
CAR TRUCK
William H. Mussey, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 10, 1934, Serial No. 719,881
17 Claims. (Cl. 105—182)



4. In combination with a car truck having wheeled axles, a truck frame resiliently mounted on the axles with rubber under shear, and means for relieving the rubber of a substantial portion of the dead load shearing stress.

2,181,909
NEGATIVE IMPEDANCE CIRCUIT
Liss C. Peterson, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1937, Serial No. 178,057
7 Claims. (Cl. 178—44)

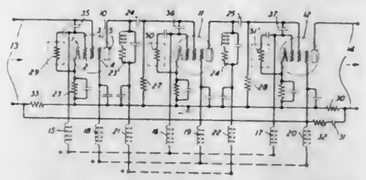


1. A circuit for producing across a pair of terminals the negative of a given positive impedance comprising a space discharge device having a cathode, an anode, a control grid and a second grid, said device exhibiting gain from said control grid to the second grid, means to make the control grid negative and the second grid and anode each positive with reference to the cathode, means connecting in a series circuit said pair of terminals, said given positive impedance and a second impedance large compared to the internal impedance between the cathode and second grid and of the same sign as said internal impedance in such manner that the drop of potential across said second impedance is impressed between said cathode and second grid, said control grid being connected to one of said pair of terminals and to one terminal of said given positive impedance.

2,181,910
WAVE AMPLIFICATION
Liss C. Peterson, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1937, Serial No. 178,058
7 Claims. (Cl. 179—171)

1. In combination, a space discharge device

having a cathode, an anode and a control grid, means to impress signal voltages on the control grid, an anode-cathode circuit into which said signals are repeated with a certain amount of anode modulation, and means reducing such modulation comprising a net biased positive and



connected to the cathode by an external impedance and having means to impress signal voltages on said net, the static characteristics of said net-cathode circuit and said anode-cathode circuit simulating each other sufficiently within the utilized range to reduce the amount of such modulation.

2,181,911

PREPARATION OF NITROCELLULOSE

George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Application May 8, 1937, Serial No. 141,555

6 Claims. (Cl. 260—222)

1. A process of preparing nitrocellulose from cellulose fiber in the form of paper of a bases weight ranging from about 30 to about 100 pounds, which comprises cutting the paper into fragments of a minimum span in the order of magnitude of about ⅛ to ¼ inch, treating a mass of such fragments with a mercerizing solution for a period of at least about fifteen minutes, washing the fragments substantially free from mercerizing solution, drying them, and nitrating the dried, mercerized fragments.

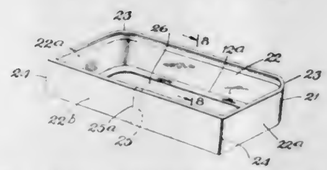
2,181,912

METHOD OF TREATING AND USING PLYWOOD

Herman J. Ries, New York, N. Y., assignor to Percy W. Valentine, Brooklyn, N. Y.

Application March 19, 1938, Serial No. 196,872

12 Claims. (Cl. 93—40)



1. The herein described method of forming plywood products of the character described which consists in using a thin plyboard, saturating both surfaces of the board with a soda solution, then applying a paste to a fabric sheet, then arranging the sheet thus treated upon the saturated board and smoothing said sheet over the board to lie snugly thereon, then immediately placing the board covered with said sheet in a suitable shaping means to bend or fold predetermined sections or areas thereof into a predetermined contour, then drying the same while supported in said means, and then removing the resulting product and utilizing the same for an intended purpose.

2,181,913

IMPROVED HYDROCARBON COMPOSITION

Raphael Rosen, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 7, 1934, Serial No. 719,603

19 Claims. (Cl. 87—9)

1. A composition of matter comprising a hydrocarbon oil of the type boiling above kerosene, containing an oil soluble metallo-organic agent, the metal being directly joined to a carbon atom of a hydrocarbon radical and selected from the 2nd, 3rd, and 5th groups of the periodic table of elements.

2,181,914

OIL COMPOSITION CONTAINING ARYLATED METALLO-ORGANIC INHIBITORS

Raphael Rosen, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 19, 1935, Serial No. 11,811

14 Claims. (Cl. 87—9)

1. A composition of matter comprising a hydrocarbon oil of the type boiling above kerosene, containing in solution a minor proportion of an aryl metallo-organic compound having an alkyl group attached to a metallic element thereof, said alkyl and aryl groups being connected by carbon atoms to the same atom of said metallic element.

2,181,915

HYDROCARBON COMPOSITION

Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 25, 1939, Serial No. 269,911

9 Claims. (Cl. 87—9)

1. A composition of matter comprising a hydrocarbon oil of the type boiling above kerosene containing an oil-soluble metallo-organic agent, the metal constituent of said agent being directly joined to a carbon atom of an aliphatic radical and selected from the groups II, III, and V of the periodic table of elements.

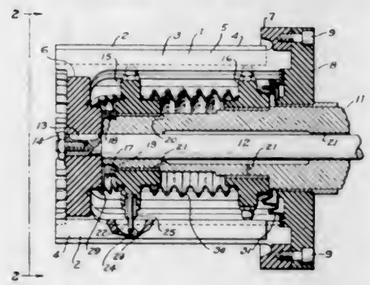
2,181,916

REEL

Fred J. Samerdyke, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application April 29, 1936, Serial No. 76,995

13 Claims. (Cl. 242—53)



1. A cantilever reel comprising a shaft having an unsupported end; a first reel member mounted about and adapted to be rotated by said shaft, said reel member having a periphery of substantially circular cross section comprising a plurality of bar members extending longitudinally of the reel; a frame member surrounding said shaft for at least a portion of its length and having an unsupported end extending in the same direction as that of said shaft; a second reel member supported by said frame member about an axis offset from the axis of revolution of said first reel member, said second reel member having a periphery of substantially circular cross section comprising bar members alternating with those of said first reel member; and means associated with said frame member for moving the bar members of said second reel member lengthwise thereof as said reel rotates.

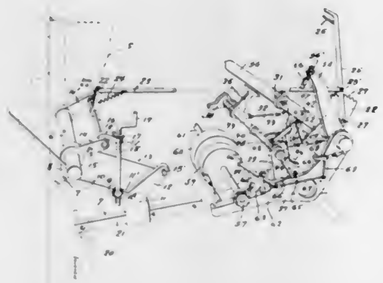
2,181,917

CULTIVATOR

Henry John Schaapveld, West Liberty, Iowa

Application August 31, 1937, Serial No. 161,834

2 Claims. (Cl. 97—50)



1. In a power driven tractor plow, a plow beam for the attachment of plows thereto, means to elevate and lower said beam including a parallel link motion vertically swingable, a foot pedal, power operated means for swinging said link motion upwardly under control of said foot pedal, means to lock said power operated means against reverse operation including a toggle lock, and means operative by said pedal to break said toggle lock.

2,181,918

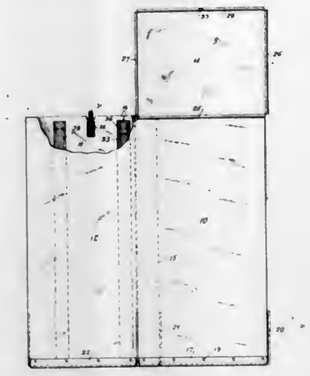
COLLAPSIBLE STORAGE FILE CASING

Sol Scheinman, White Plains, and Jacob Mandel, Brooklyn, N. Y.

Application April 3, 1935, Serial No. 14,518

3 Claims. (Cl. 229—41)

1. A collapsible storage file casing adapted to receive a horizontally movable drawer and comprising top, bottom and side walls of flexible fibrous material and a sheet metal end wall having integral reversely bent flanges extending therefrom and adapted to interengage with the rear marginal end portions of the aforesaid walls, one of said flanges being permanently attached to the rear edge portion of one of said walls and said end wall being adapted to pivot on such



wall and to be moved pivotally outwardly in preparation for collapse of the casing, said rear edge portion being slitted at its ends to enable said end wall to pivot thereon.

2,181,919

ALKALI METAL CELLULOSATES

Philip C. Scherer, Jr., Blacksburg, Va., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 29, 1937, Serial No. 177,156

23 Claims. (Cl. 260—233)

1. A process of bringing about a reaction between cellulosic material and an alkali metal, which comprises treating cellulosic material with a solution of an alkali metal in liquid ammonia, said treatment being conducted at about the temperature of the boiling point of liquid ammonia at atmospheric pressure.

2,181,920

CELLULOSE DERIVATIVE AND METHOD OF PREPARING SAME

Philip C. Scherer, Jr., Blacksburg, Va., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 29, 1937, Serial No. 177,157

28 Claims. (Cl. 260—217)

1. A method of preparing stable cellulose derivatives which comprises providing an anhydrous alkali metal cellulosate and reacting the same with a compound capable of replacing alkali metal in the said cellulosate under substantially anhydrous conditions.

2,181,921

INDUCTION FURNACE

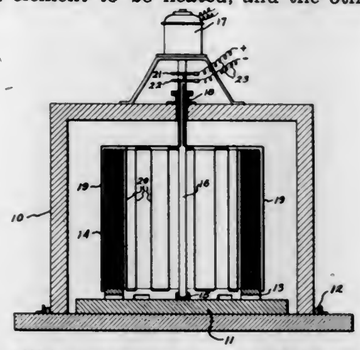
Ernest G. Schlup, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application January 5, 1938, Serial No. 183,501

2 Claims. (Cl. 13—26)

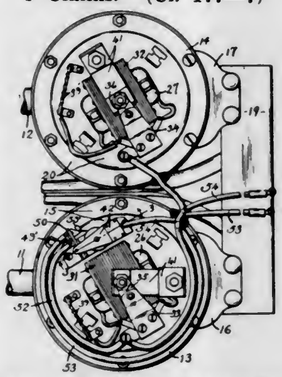
1. An induction furnace for heating annular metal elements, comprising a casing, a pair of annular formations comprising conductors extending continuously, respectively, in a series of alternately arranged return bent loops, one of

said formations being disposed to surround the metal element to be heated, and the other dis-



posed within the same, power leads for said conductors, and means for rotating said formations.

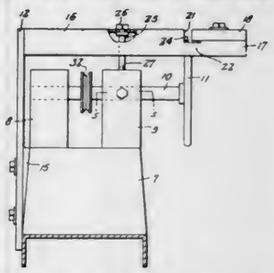
2,181,922
WARNING SIGNAL
Theodore J. Scofield, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application February 3, 1937, Serial No. 123,887
3 Claims. (Cl. 177—7)



1. In a warning signal, in combination, a diaphragm horn having an electric motor of the vibratory type and a weather-proof casing therefor, a relay comprising a winding and a pair of contacts located within said horn casing and forming a unitary assembly with said horn, two leads extending into said casing through the wall thereof and adapted to be connected at their outer ends respectively to a horn button and to a source of potential, the inner end of said horn button lead being connected within said casing to one end of said relay winding, the inner end of said potential lead being connected within said casing to the other end of said relay winding and to one of said pair of contacts, and a connection within said casing between the other of said pair of contacts and the horn motor, said relay being so constructed and arranged that the vibration of the horn of which it is a part will not open the relay contacts when the horn is actuated.

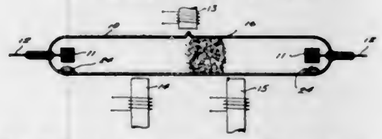
2,181,923
SKATE SHARPENER
Zenon M. Smolarek, Mount Pleasant, Wis.
Application August 5, 1938, Serial No. 223,339
1 Claim. (Cl. 51—102)

A skate sharpener comprising a base, a table, vertical adjusting means between the table and the base, a grinder, said grinder being operative through the table, said table being constructed to provide a shoulder, a clamp block on the table adjustably mounted in opposed relation to the said shoulder, and between which and the shoul-



der a skate blade can be clamped, and a skate centering rib rising from the table in close proximity to the said shoulder, said table being formed with an opening through which the grinder is operative, said opening being in alignment with the rib and interrupting the rib at the intermediate portion thereof.

2,181,924
GAS AND METAL VAPOR DISCHARGE TUBE
Hans J. Spanner, Berlin-Kladow, Germany
Application June 16, 1937, Serial No. 148,469
In Germany June 16, 1936
6 Claims. (Cl. 176—122)

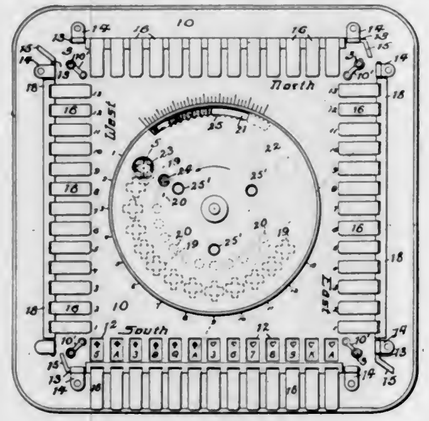


1. A radiant electrical arc discharge device comprising an energizing circuit adapted to give a limited current loading to the discharge and a columnar discharge tube having solid electrodes positioned at opposite ends therein, capable of supporting an arc, said electrodes having a work function of 3–4 volts, and said energizing circuit being designed to give a current loading sufficient to heat the electrodes to white heat at which they operate without excessively vaporizing, and thereby to supplement the spectrum of the discharge with a continuous spectrum.

2,181,925
EDUCATIONAL GAME APPARATUS
Walter Spiro, White Plains, N. Y.
Application April 29, 1938, Serial No. 205,141
5 Claims. (Cl. 35—8)

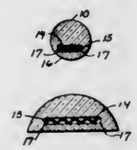
1. A game apparatus for the playing of and instruction in the game of contract, comprising a sheet marked with card indicia arranged in playing hand formation, a series of independent indicia each indicating the card make-up of a trick and bidding indicia to indicate successive bids of the players, a game board, means on the game board to expose the playing card indicia making up the hands at will, and a single element mounted for rotation on the game board and movable to successively display the bidding indicia and in continued movement in the same direction to successively display the card indicia making up the respective tricks, whereby through the operation of a single element, the successive

bids may be determined and the successive tricks exposed with indications at each trick exposure



of the cards from the several hands making up that trick.

2,181,926
REFLECTOR ELEMENT
Roy L. Tiger, Boulder, Colo.
Application August 1, 1938, Serial No. 222,355
7 Claims. (Cl. 40—141)



1. A sign character comprising an elongated body of transparent material having a convex lens at its front and an opening extending longitudinally thereof, the opening being of transversely elongated cross section, and a reflector element positioned in the opening, the reflector element being readily bendable and of less thickness than the width of the transverse section, and having portions thereof engaging the front wall surface of the opening and other portions engaging the rear wall surface thereof whereby the reflector element is held in a predetermined position and free to expand and contract relative to the body member without breaking the latter.

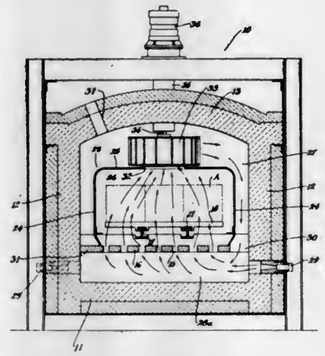
2,181,927
HEAT EXCHANGER AND METHOD OF MAKING SAME
Albert J. Townsend, Lima, Ohio
Application April 3, 1936, Serial No. 72,527
15 Claims. (Cl. 29—157.3)

1. For a heat exchanger having headers or the like, one for a relatively hot fluid medium and another for said medium in relatively cool condition, an elongated heat-transfer tube with one end co-operative with the first header and the other end with the second, said tube being of substantially constant perimeter and having flattened opposed wall portions substantially uniformly unidirectionally converging from adjacent the first-mentioned end of the tube to adjacent the other end, the flattened faces being



spaced apart from each other throughout their length and of substantially uniform spacing at any cross-section.

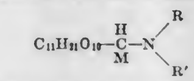
2,181,928
FORCED CIRCULATION FUEL FIRED FURNACE
Arthur H. Vaughan, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio
Application August 13, 1937, Serial No. 158,951
7 Claims. (Cl. 263—43)



1. In a continuous heat treating furnace having a bottom wall and an apertured hearth spaced therefrom, walls forming a heating chamber above the hearth, baffle means in said heating chamber forming a work space and a recirculating passage communicating with the work space and the space between the hearth and bottom wall, burner means firing into the space between the hearth and bottom wall adjacent to said passage communication therewith, fan means in said passage having intake communication with said work space, and means for passing material to be treated through said work space.

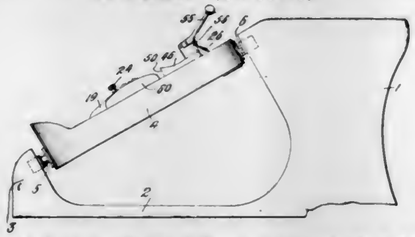
2,181,929
MALTOSAMINE AND PROCESS FOR PREPARING IT
James H. Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del, a corporation of Delaware
No Drawing. Application September 21, 1937, Serial No. 164,880
11 Claims. (Cl. 260—211)

1. A maltosamine of the formula



and the acid addition products thereof in which M is selected from the group consisting of hydrogen and hydroxyl, R is selected from the group consisting of hydrogen and an aliphatic radical, and R' is an aliphatic radical.

2,181,930
FOOT MEASURING MACHINE
Harry N. Wheeler, Birmingham, Ala., assignor to Wheeler-Morse Company, Birmingham, Ala., a corporation of Delaware
Application August 10, 1937, Serial No. 158,298
21 Claims. (Cl. 33—3)



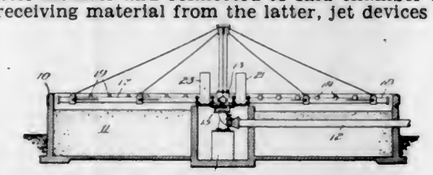
1. A foot measuring device comprising a foot support, a ball gage movable longitudinally thereof and having means to register with the ball of the foot, a toe gage on said support movable to engage the forward extremity of the toes, and means controlled by said ball gage for limiting the movement of said toe gage.

2,181,931
PROCESS FOR EXTRACTING THE ESSENTIAL PRINCIPLES OF HOPS
Lyndon D. Wood, Chicago, Ill., assignor to National Hops Laboratories, Inc., Chicago, Ill., a corporation
No Drawing. Application June 8, 1937, Serial No. 147,141
8 Claims. (Cl. 87—28)

1. A process for extracting the essential principles of hops consisting in finely pulverizing and crushing the entire mass of hops, simultaneously liberating the hop seed oil content of the seeds and the hop oil from the hop blossom leaves, and commingling the hop oil with the hop seed oil to retard or stop evaporation of the hop oil and aroma, recovering a large percentage of hop oil, and submitting the pulverized hops to the action of acetone in a closed chamber.

2,181,932
ROTARY DISTRIBUTOR FOR SEWAGE TREATMENT SYSTEMS
Hubert Beddoes, Chicago, Ill., assignor to Pacific Flush Tank Company, Chicago, Ill., a corporation of Illinois
Application December 19, 1936, Serial No. 116,778
12 Claims. (Cl. 299—69)

3. In structure of the class described, rotary distributor structure comprising a central rotatable member having a chamber therein for receiving liquid material, means for feeding the material to said chamber, a plurality of hollow horizontally-disposed arms carried by said rotatable member and connected to said chamber for receiving material from the latter, jet devices on



said arms by which the material is discharged from said arms, certain of said jet devices being of increased capacity over the remaining jet devices, and means whereby the material is fed from said increased capacity jet devices in the order of their increase and only upon successive predetermined increases in the head or level of the material in said chamber.

2,181,933
MANUFACTURE OF MONO-CALCIUM PHOSPHATE
Louis Block and Charles S. King, Joliet, Ill., assignors to Blockson Chemical Co., Joliet, Ill., a corporation of Illinois
No Drawing. Application April 26, 1937, Serial No. 138,938
5 Claims. (Cl. 23—109)

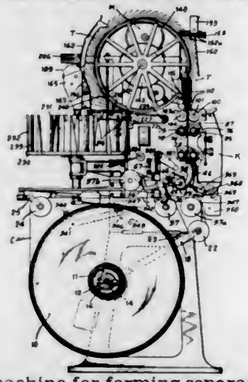
1. The process of making mono-calcium phosphate mono-hydrate which comprises subjecting di-calcium phosphate dihydrate of the granulation characteristics desired for the resulting mono-calcium phosphate within the range of 60 to 250 mesh, to the converting action of a liquid medium containing essentially an inert liquid diluent and phosphoric acid at least in sufficient quantity to react with said material to form mono-calcium phosphate mono-hydrate, said liquid medium being characterized as it changes throughout the reaction by miscibility with water and by substantial inability to dissolve either form of said calcium phosphate.

2,181,934
DUPLEX SURFACE GODET AND SPINNING APPARATUS
Edgar Ross Blount, Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware
Application December 15, 1937, Serial No. 179,905
10 Claims. (Cl. 18—8)



1. An improved godet for the spinning of rayon thread comprising a smooth thread-contacting surface and a ridged thread-contacting surface which is contiguous with the smooth surface, said ridges extending in the longitudinal direction of the godet.

2,181,935
TABULATING CARD PRINTING MACHINE
Fred M. Carroll, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 26, 1937, Serial No. 122,360
24 Claims. (Cl. 101—224)



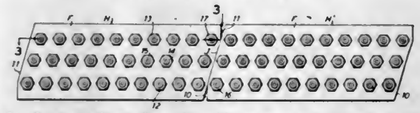
1. In a machine for forming separate individual record cards from a web of sheet material; means for printing successive impressions on the web, a cutting couple for completely severing the web after passing the printing means into card lengths, each bearing one of said impressions, and means for removing the cards from the cutting couple including a conveyor mechanism supported separately from and movable independently of the cutting couple and to which the cards are delivered and having means for bodily, completely, and simultaneously carrying a plurality of successively delivered cards in spaced, non-touching, relationship to permit the ink on the cards to dry while on the conveyor.

20. In a machine of the class described; a rotary printing die and a rotary platen coacting to print on a sheet, in combination with automatic mechanism to shift the platen axially to present different impression surfaces thereof to portions of the die during a plurality of printing operations.

2,181,936
ROLLING OF CATHODE NICKEL
Robert R. Clappier, Huntington, W. Va., and James Orin McDowell, Steubenville, Ohio, assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 4, 1938, Serial No. 188,630
2 Claims. (Cl. 29—18)

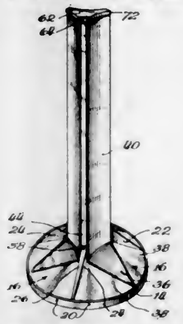
1. A process for producing nickel strip having a smooth surface and substantially uniform gauge and shape in widths as high as about 35 inches directly from a nickel cathode having a rough surface on which are numerous berries and non-uniform gauge comprising heating the cathode to a temperature between about 1900° F. and 2000° F., passing the heated cathode about 2 to 4 times through a hot rolling mill to reduce its cross section about 50% and thereby practically to smooth out the berries and gauge inequalities and passing the cathode through a cold mill with successive reductions of about 1% to 5% per pass to further reduce the cross section about 60% and thereby completely to smooth out the berries and gauge inequalities, whereby nickel strip having a smooth surface and substantially uniform gauge and shape in widths as high as about 35 inches is produced.

2,181,937
APPARATUS FOR HEATING METAL BODIES
Cecil V. Eskridge, Chicago, Ill., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application January 15, 1938, Serial No. 185,143
8 Claims. (Cl. 266—5)



1. Apparatus for heating metal bodies comprising at least two blowpipe heads individually provided with a plurality of outlets disposed in a plurality of substantially parallel rows, the outlets of each row being disposed in staggered relation with respect to the outlets of an adjacent row, said heads having mutually abutting edges inclined with respect to said parallel rows of outlets; and means for supplying a combustible mixture of gases to said outlets.

2,181,938
SIGN
Charles A. Fine, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 23, 1937, Serial No. 160,354
9 Claims. (Cl. 40—125)

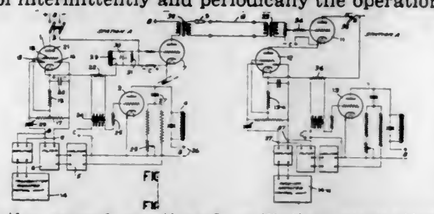


1. In an advertising sign, the combination of an annular base band, a plurality of interlocking base members secured to said band, the interlocking edges of said members forming sloping buttresses, a column supported by said base members and comprising a plurality of vertically elongated plates equal in number to said base members and secured thereto, said plates having overlapping flanges at their edges, said flanges being secured to said buttress forming interlocking portions of said base members, and means for securing together the upper ends of said plates, said means comprising a cap fitting over the upper end of said column.

2,181,939
SYSTEM OF OPERATING DEVICES IN TIMED RELATION
Clyde J. Fitch, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 20, 1936, Serial No. 106,546
13 Claims. (Cl. 178—69.5)

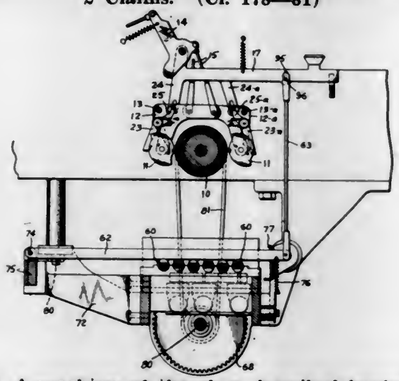
1. In a system for operating devices in timed relation comprising, in combination, means to generate oscillations at one station including means to initiate periodically timed control sig-

nals, a device controlled by the oscillations at the said station, means to transmit the controlled signals, a second oscillation generating means, means controlled by the controlled signals to control intermittently and periodically the operation



of the second mentioned oscillation generating means, and a device controlled by the oscillation generated at the last mentioned station so that the two mentioned devices are operated in timed relationship.

2,181,940
RECORDING UNIT
Clyde J. Fitch and Kurt R. Schneider, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 19, 1937, Serial No. 175,370
2 Claims. (Cl. 178—81)



1. A machine of the class described having a rotary power driven roll, signal transmitting means comprising a plurality of key bars and cam operated units, one for each key bar, individual means controlled by each key bar, upon operation thereof, for operating the corresponding cam unit by the said roll and signaling means controlled by the operated cam unit, and signal receiving means comprising a plurality of rotatable selector bars having means for controlling the operation of the key bars, connecting means driven by the said roll for rotating the said bars, and means for controlling the selection of the bars to be rotated by the said connecting means.

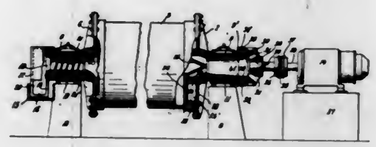
2,181,941
PHOTOGRAPHIC DEVELOPER
Paul Goldacker, Dessau-Haldeburg, Georg Maiser, Dessau, and Ernst Schmitz-Hillebrecht, Bitterfeld, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application December 8, 1937, Serial No. 178,726. In Germany December 14, 1936
4 Claims. (Cl. 95—88)

1. Photographic developer comprising developing agents and an aliphatic hydroxyalkylamine containing in its molecule at least one alkyl chain having at least two hydroxyl groups combined with different carbon atoms.

2,181,942
POLYMERIZATION OF OLEFINS
Vladimir N. Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 7, 1938, Serial No. 189,279
6 Claims. (Cl. 196—10)

1. A process for producing gasoline boiling hydrocarbons from butylene which comprises forming a mixture of propylene and butylene in which the molal ratio of propylene to butylene is less than 3 to 1, and subjecting the mixture at subatmospheric temperature to the action of sulfuric acid of over 90% concentration.

2,181,943
TUBE AND THE LIKE MILLS
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, a corporation of Delaware
Application January 8, 1937, Serial No. 119,541
4 Claims. (Cl. 83—9)

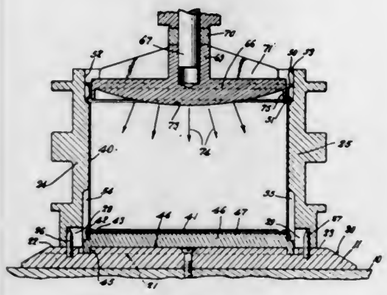


4. In a tube and the like mil, a horizontal axis drum having a hollow supporting trunnion axially thereof, the bore of which tapers outwardly, and means to axially connect a drive shaft to said trunnion to rotate the drum and to maintain material communication with the drum through the trunnion, comprising a composite shaped cylindrical member having a generally outwardly tapering bore, means at one end to secure said member to the trunnion, the bore at the securing end being equal to that of the adjacent trunnion and constituting a continuation of the tapered trunnion bore, an annular wall portion diverging outwardly from adjacent the securing portion toward the opposite end of said member to a greater extent than the adjacent securing portion, arms diverging outwardly from the inner face of the diverging wall portion and carrying a hub, said hub providing means for connection with a drive shaft located axially of the drum, said hub-carrying arms being of plate form and of a dimension substantially equal to the longitudinal dimension of said annular diverging wall portion and said hub and being oblique to the horizontal axis of the drum and tangentially connected to the hub in the direction of rotation of the drum, the arms thereby being positioned to transmit a driving force from the hub through the arms and annular wall portion to the drum, and said arms also being arranged in a helical form whereby upon rotation with the drum material delivered from the trunnion will be conveyed between the arms and thereby discharged.

2,181,944
PRODUCTION OF BLACK-AND-WHITE PHOTOGRAPHIC PICTURES
Johannes Kleine, Dessau, and Gustav Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application November 18, 1937, Serial No. 175,284. In Germany November 26, 1936
1 Claim. (Cl. 95—6)

A silver halide emulsion containing a colorless dyestuff component containing a naphthol ring being fast to diffusion in the emulsion, being capable of reacting with the oxidation products of an amino developer to produce a black dyestuff, and being selected from the class consisting of hydroxy-naphthoic acid-aminocarbazoles, aminophenyl-hydroxy-naphthothiazole sulfonic acids, nitro - benzoylacetic - 5 - hydroxynaphthylamides and hydroxynaphthoyl-p-nitrobenzoyl-monobromacetyl-dichlorbenzidides.

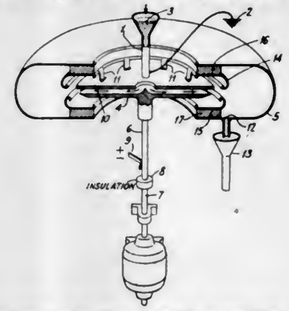
2,181,945
APPARATUS FOR CANNING MEAT
Stephan L. Komarik, Chicago, Ill., assignor to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application March 16, 1938, Serial No. 196,244
7 Claims. (Cl. 226—71)



1. Apparatus for canning meat and like solid material comprising in combination a base for positioning a vertical side-walled topless can with its bottom on said base, movable means to encompass the sides of the can to prevent deformation thereof, a plunger movable into and out of the open top of the can, said plunger covering substantially all the open area of the can with a slight clearance space between its periphery and the interior walls of the can, said plunger having a convex surface exposed to the interior of the can and a peripheral flange projecting towards the interior of the can parallel to the sides of the can.

2,181,946
HIGH VOLTAGE GENERATOR
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 10, 1937, Serial No. 124,983
14 Claims. (Cl. 171—329)

1. A high voltage generator comprising a relatively fixed surface and a movable surface, a metallic corona shield surrounding said fixed and movable surfaces, means for feeding a liquid to said movable surface, means for charging said liquid, and means for discharging said liquid after



being thrown out from said movable surface by centrifugal force.

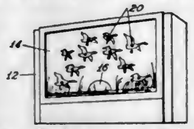
2,181,947
METHOD OF MAKING THIN WALLED PLATED PISTONS FOR INTERNAL COMBUSTION ENGINES
Russell H. McCarroll, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
No Drawing. Application April 3, 1937, Serial No. 134,735
4 Claims. (Cl. 148—4)

1. The method of forming a thin walled internal combustion engine piston consisting of forming a sand casting of the following composition:

		Per cent
Carbon		1.00 to 2.00
Manganese		.50 to 1.50
Silicon		.50 to 1.50
Copper		1.50 to 3.50
Phosphorus	maximum	.12
Sulphur	do	.16
Iron		Balance

then heating said casting to 1650° F. for twenty minutes, then air cooling said casting in thirty minutes to 1200° F., then reheating said casting to 1400° F. and holding the casting at this temperature for one hour, then gradually cooling said casting to 1000° F., this last mentioned cooling taking one hour to accomplish, then air cooling said casting to room temperature, and then machining said casting to finished dimensions.

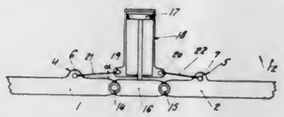
2,181,948
TARGET PRACTICING APPARATUS
Fred C. McClellan, Chicago, Ill., assignor, by mesne assignments, to Rayolite Rifle Range Company, Chicago, Ill., a corporation of Oklahoma
Application October 14, 1936, Serial No. 105,556
10 Claims. (Cl. 273—101.1)



1. A target device comprising a translucent member having an opaque target character with translucent marginal edge portions, means including a lamp behind said member for illuminating said marginal edge portions, means including a photo-electric device positioned behind said member, and switching mechanism actuated

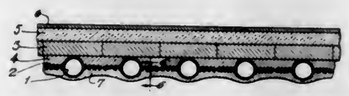
by said photo-electric device when the latter is struck by a flash of light for extinguishing said lamp to indicate a hit, said target character having a translucent bull's eye portion for transmission of light from a light gun onto said photo-electric device.

2,181,949
JOINTED MECHANISM
Jean Mercier, Neuilly-sur-Seine, France
Application December 7, 1937, Serial No. 178,446
In Belgium March 2, 1937
11 Claims. (Cl. 254—124)



1. A mechanism of the kind above referred to, comprising at least two parts pivotally connected together, a control element, such as a jack, comprising two principal members which may move one with respect to the other, and two pairs of transmission elements such as links, the elements of one of these pairs being pivoted to the said parts and to one of the principal members of the control element, whereas the elements of the second pair are also pivoted to said parts and to the other principal member of the control element, the whole arrangement being such that the transmission elements of one of the pairs are practically in alignment when the mechanism is at rest, thereby securely locking it in position.

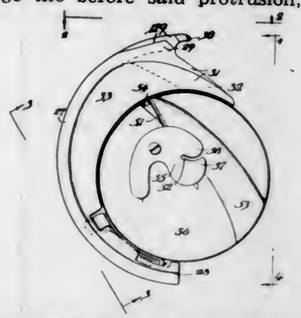
2,181,950
TUBULAR UNIT FOR BOILER WALLS
Thomas E. Murray, Jr., Brooklyn, N. Y.
Application March 21, 1936, Serial No. 70,033
9 Claims. (Cl. 257—262)



1. A unit for building walls of boilers and the like comprising a tube having a longitudinal fin which is welded directly to the tube and which is formed with recesses open on one face only and adapted to receive portions of a plastic coating so as to key the coating and hold it in place.

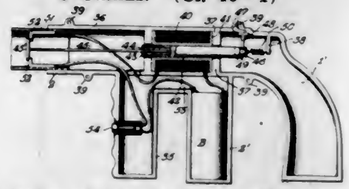
2,181,951
SHUTTLE MECHANISM FOR RING SHUTTLE SEWING MACHINES
August Schenzinger, Brooklyn, N. Y.
Application June 17, 1936, Serial No. 85,740
8 Claims. (Cl. 112—232)

1. A ring shuttle mechanism for sewing machines, comprising a carrier ring; a shuttle rotatable within the ring and having on its inside a long concentric groove and a protrusion at the one side of this groove near to its end; a spool-housing removably inserted into the shuttle; a yarn spool arranged exchangeably and rotatable within the said housing; and locking means for removably fixing the said spool housing within the shuttle, said locking means consisting in a double-armed lever pivoted at the peripheric circumference of the spool housing, the shorter arm of which lever has the shape of a hook, adapted to engage the before said protrusion, and the



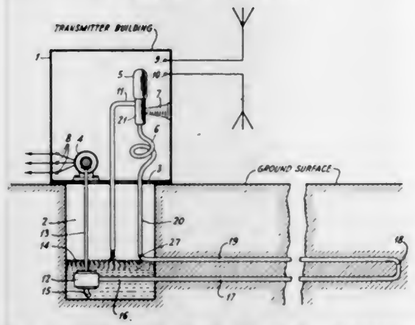
longer arm of which lever is provided with a resilient tongue adapted to engage into the before said inner groove of the shuttle.

2,181,952
TOY GUN
Herman Schmarion, New York, N. Y.
Application August 7, 1937, Serial No. 157,816
6 Claims. (Cl. 46—1)



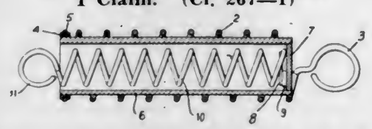
1. A device of the class described, comprising a hollow form including a barrel, a flexible sounding member suitably attached in and to said form, and reciprocating electro-magnet means suitably placed within said form for flexing said sounding member to produce sound and for producing light flashing, thus simulating the firing of a gun, said electro-magnet means comprising a coil of insulated wire on a suitable support, a plunger of high magnetic permeability movable within the hollow of said coil, a T-form attached to one end of and being electrically insulated from said movable member, aforesaid flexible member suitably engaging the opposite end of said plunger, a hollow non-conducting element penetrable by light attached to the end of said barrel, a pair of separated contacts attached within said element, aforesaid T-form extending out from said movable member, the cross-bar of said T-form providing a path for electric current across the air-gap between said contacts when said plunger is in its open air-gap position, a spring suitably attached to said hollow form and to said plunger to hold said plunger in its proper open air-gap position when said plunger is not attracted, said contacts and said coil being connected in series in the circuit, excitation means for said circuit and means for opening and closing said circuit at will, the operation being that when said circuit is closed the plunger is attracted to its lesser air-gap position, storing force in said spring, causing said cross-bar to break the circuit at said contacts, thus causing a spark, at the same time flexing the flexible sounding member causing it to make a sound at which time the force stored in said spring causes the plunger to return to its open air-gap position, completing a cycle of operation.

2,181,953
COOLING SYSTEM
George Lindley Usselman, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 24, 1936, Serial No. 70,711
1 Claim. (Cl. 62—1)



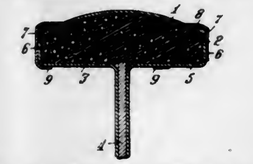
The combination with a radio transmitter of a cooling system therefor, said transmitter including an element which generates heat in the normal operation thereof, said system including a subterranean pool of liquid, said element having a liquid inlet and liquid outlet to permit a liquid flow therethrough, a pipe system having a first portion connected to the inlet of said element to maintain said liquid in heat absorbing relation therewith, a second portion of said pipe system in series with the first mentioned portion to maintain said liquid in heat exchange relation with the ground below the surface thereof, said first mentioned portion having an outlet pipe connected to the outlet of said element and arranged to discharge said liquid into said pool after it passes through said element, a pump arranged to draw liquid from said pool and force it through the pipe system, element, outlet pipe and back to said pool, and a small aperture in the lower part of said first mentioned portion of said pipe system to permit drainage of the liquid from said element when the pump is inoperative.

2,181,954
SPRING
Wilhelm Wallat, Berlin-Schoneberg, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 27, 1937, Serial No. 176,861
In Germany November 28, 1936
1 Claim. (Cl. 267—1)



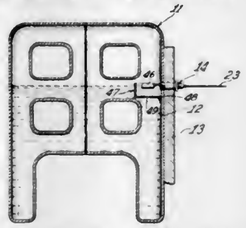
A spring unit comprising a guide tube, a plate fixed into one end to provide a closed base for one end of the tube while the other end of the tube remains open, the plate or base being integrally formed with a spring anchoring portion, a helical spring surrounding the tube and substantially of the same length as the tube and anchored to the outer wall of the tube adjacent the open end thereof, another helical spring housed inside the tube with one end thereof anchored to the center portion of the inside face of the tube base plate, the free ends of the springs extending beyond the ends of the tube opposite the ends to which they are anchored and whereby both free ends may be simultaneously pulled in opposite directions while the tube is stationary and without tending to rotate the tube.

2,181,955
FINGER KEY FOR TYPEWRITING AND OTHER MACHINES
James P. Ward, Jr., Chicago, Ill., assignor to James P. Ward, Chicago, Ill.
Application March 7, 1938, Serial No. 194,321
6 Claims. (Cl. 197—103)



1. A finger key for typewriting and other machines comprising a normally flat flexible character bearing disk, a cushion of soft resilient material secured to the nether face of said disk, a receptacle for said cushion, and a ferrule equipped with an inturned flange at one end overlapping the peripheral edge portion of said disk and secured at its other end to said receptacle, said ferrule being of less length than the original depth of said cushion and co-operating with said disk and said receptacle to maintain said cushion compressed to exert lateral pressure against the peripheral wall of the receptacle and the bottom wall thereof and distort said disk to maintain the same normally convex on its outer face.

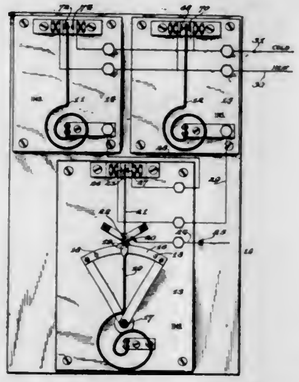
2,181,956
WATER FEEDER
William J. Woolley, Chicago, Ill.
Application August 13, 1937, Serial No. 158,964
1 Claim. (Cl. 137—101)



In combination with a vertically disposed wall of a boiler, or the like, having a tapped aperture therein, a water feeder for automatically maintaining a constant water level in the boiler, comprising a hollow shell screwed into said tapped aperture, a cover member mounted on said shell and disposed exteriorly of said boiler wall, a partition plate disposed between said cover member and said shell to define a water inlet chamber with said cover member, valve mechanism mounted on said partition plate for controlling the flow of water from said inlet chamber to the interior of said boiler through said shell, a valve operating lever pivotally mounted interiorly of said shell for substantially vertical movement, and a float adapted to be disposed interiorly of the boiler to be moved vertically by the water therein and adjustably secured to said lever to operate said valve mechanism in accordance with a selected water level in said boiler, the cross-sectional dimensions

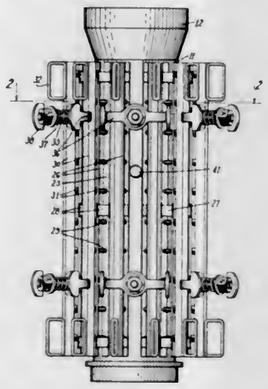
of said float being less than those of said shell to facilitate insertion thereof through said aperture.

2,181,957
THERMOSTATIC CONTROL
Edward L. Aldworth, Grand Rapids, Mich.
Application July 24, 1937, Serial No. 155,375
10 Claims. (Cl. 175—320)



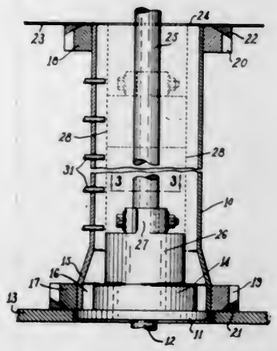
10. In combination, temperature responsive means, a pair of switching means actuated thereby, switching means for rendering either of said pair of switching means operative and the other inoperative, and means immediately responsive to the initiation of rise and fall of temperature for actuating last said switching means.

2,181,958
FORM FOR MOLDING CONCRETE PIPES
John Arborio, Poughkeepsie, N. Y.
Application July 27, 1937, Serial No. 155,877
12 Claims. (Cl. 25—127)



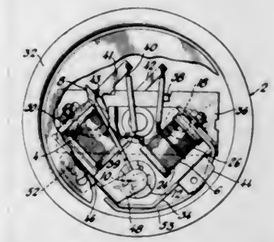
1. A form for concrete pipes or the like, said form being generally of cylindrical shape and comprised of separable longitudinal sections, one of said sections having openings therein, pins movably mounted on said section exteriorly thereof and projectable into the form through said openings, and guiding means carried by said form in spaced relation thereto, said pins being slidably mounted in said guiding means to be guided thereby.

2,181,959
METHOD OF MAKING PERFORATED CONCRETE PIPES
John Arborio, Poughkeepsie, N. Y.
Application August 25, 1937, Serial No. 160,834
6 Claims. (Cl. 25—154)



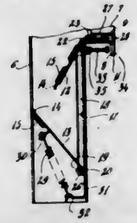
1. The method of making a perforated concrete pipe which comprises inserting pins through the openings in the wall of a hollow form having the internal shape desired for the external form of the pipe, packing the concrete mix against the wall of the form and around the pins while leaving an opening along the axis of the form, yieldingly holding said pins against outward movement during the packing operation, withdrawing the pins from the interior of the form, and then removing the form from the pipe so formed.

2,181,960
ELECTRIC GAUGE
Elbridge F. Bacon, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 20, 1937, Serial No. 180,718
6 Claims. (Cl. 171—95)



1. In an electric gauge having two electromagnets mounted on a frame and arranged in fan shape and having a pointer adapted to move over a scale, said pointer being pivotally mounted at substantially the intersection of the axes of the electromagnets and having an armature mounted thereon, an opposed winding connected in parallel with one of the electromagnets and mounted coaxially therewith at times to reduce the field of its adjacent electromagnet to substantially zero to cause the other electromagnet to move the pointer to the zero position on the scale, said other electromagnet having at all times a substantially constant external resistance in series therewith.

2,181,961
MEANS FOR CONTROLLING AIR CONDUITS
Lawrence H. Bingham, Bayside, N. Y.
Application July 12, 1938, Serial No. 218,808
16 Claims. (Cl. 137—161)



1. In a damper for air conduits, a plate pivotally mounted on a wall of a conduit, a second plate pivotally and slidably mounted on the same wall and pivotally connected to the first plate, and means adjustably mounted on said wall of the conduit adapted to abut the first plate and adjust the pivotal connection of the plates toward the opposite wall of the conduit.

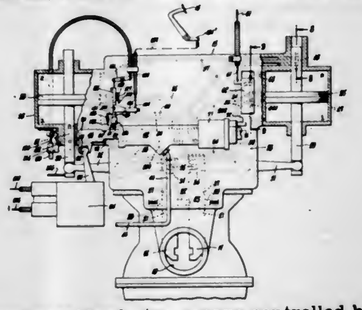
2,181,962
ROTARY ENGINE
Melville Bertram Booth, Allesley, Coventry, England, assignor to The Keelavite Company Limited, Allesley, Coventry, England
Application June 30, 1936, Serial No. 88,231
In Great Britain July 6, 1935
23 Claims. (Cl. 103—143)



1. A rotary engine including in combination an annular blade chamber lying between inner and outer circumferential walls which are rotatable as a unit, blade recesses of part-circular cross-section provided in the inner circumferential wall, blades of part-circular cross-section mounted to rotate in said blade recesses and so formed that during part of the rotation of said blades they lie wholly in the recesses whereas at other times they extend across the blade chamber to engage channels of part-circular cross-section provided in the outer circumferential wall, each blade, the blade recess therefor, and the channel engaged thereby having their part-circular cross-sections coaxial and of the same radius of curvature, at least one stationary abutment extending across the blade chamber between stationary inlet and outlet ports, and means for causing the blades to rotate continuously in their recesses during rotation of the inner and outer circumferential walls, each blade extending across the blade chamber so as to make a sealing fit with its blade recess and its channel as it passes through the part of the blade chamber not occupied by an abutment but receding wholly into the blade recess when necessary to permit such passage.

2,181,963
FLUID PRESSURE OPERATED GEAR SHIFTER
Philip M. Carter, New York, N. Y., and Louis A. Larsen, Canton, Ohio, assignors to Vaco Products, Inc., Jersey City, N. J., a corporation of Delaware
Application April 5, 1938, Serial No. 200,086
19 Claims. (Cl. 192—3.5)

1. In an automotive vehicle including the combination of a clutch, operating means therefor, a selective gear transmission, power operated means for selectively shifting the transmission gears, a selector controlling the application of power to said means, a fluid pressure actuated servomotor

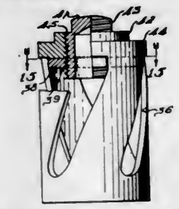


for moving said selector, means controlled by the clutch operating means for controlling the application of power to the power operated means through said selector, and means responsive to movement of the vehicle for controlling the application of power to the servomotor.

2,181,964
SULPHURIZED LUBRICATING OIL
Martin B. Chittick, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 18, 1931, Serial No. 575,953
15 Claims. (Cl. 87—9)

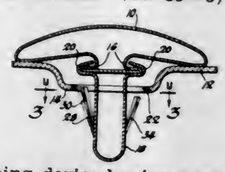
1. An improved lubricant composed mainly of a mineral oil and a minor proportion of sulphopolymers resulting from chemically combining sulphur and unsaturated polymers extracted from gasoline produced by cracking mineral oil.

2,181,965
SELF-LOCKING ADJUSTABLE TAPPET
Robert H. Daisley, Birmingham, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 19, 1934, Serial No. 749,008
Renewed April 22, 1938
5 Claims. (Cl. 151—15)



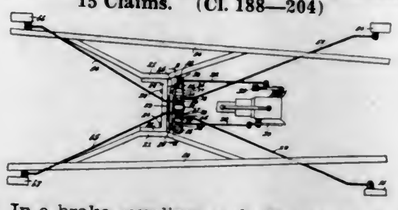
4. An article of manufacture comprising a part having an aperture therein, said part being threaded in the aperture, a spring metal disc having an aperture in axial alignment with the first said aperture, said disc in its normal state being cup-shaped and having threads so formed in the wall of its aperture that when the disc is in a flat state the threads correspond exactly with the threads in said part, said spring metal disc being in a flat state with its normally concave face against the face of said part, and an externally threaded member extending through the aligned apertures of said part and disc and in intimate threaded contact with both.

2,181,966
FASTENING DEVICE
Roy H. Dean, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 8, 1937, Serial No. 152,485
2 Claims. (Cl. 85—5)



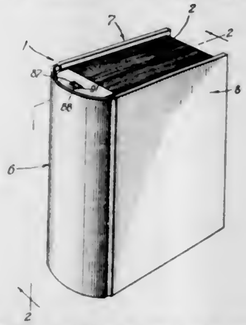
1. A fastening device having a pair of leg portions, and a plurality of holding portions sheared from each of said leg portions, said holding portions being of lengths different from each other, the holding portions on each of the legs being free to flex with respect to the legs independently of each other.

2,181,967
BRAKE EQUALIZER
Hobart P. Doud and Lloyd H. Clary, Decatur, Ill.
Application November 12, 1938, Serial No. 240,058
15 Claims. (Cl. 188—204)



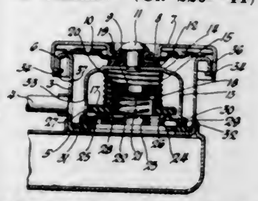
1. In a brake equalizer, a shaft, means mounting the shaft for rotation, collars on the shaft, means for actuating the shaft, certain of said collars having opposed inclined portions coacting with each other, means for connecting certain of said collars with brakes or the like, and means to automatically cause opposite uniform action on said collars and brakes.

2,181,968
TEMPORARY BINDER
Elmer W. Ericson, Chicago, and Rudolph Brauer, Cicero, Ill., assignors to The Barrett Bindery Co., Chicago, Ill., a corporation of Illinois
Application December 7, 1938, Serial No. 244,336
6 Claims. (Cl. 129—40)



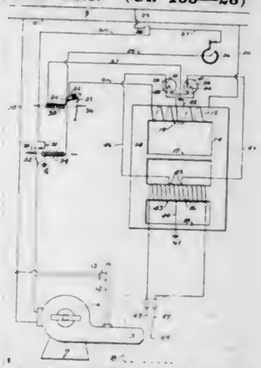
5. In a binder having a back, an insert-engaging part comprising a U-shaped member, the sides of which extend generally parallel and are adapted to be inserted between the leaves of an insert, and an attaching member on the back for said part having a portion bent over the intermediate portion of said U-shaped member to hold the latter in position.

2,181,969
RADIATOR PRESSURE CAP
Jesse E. Eshbaugh, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 17, 1936, Serial No. 116,259
4 Claims. (Cl. 220—44)



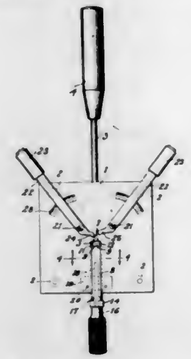
1. In a valved sealing closure for a filler spout, a cap adapted for detachable spout engagement, an inverted cup secured on the underside of the cap, a valve seating member secured over the open end of the cup, an outwardly opening valve seated on said member and provided with a central dome portion, a valve seating spring telescopically fitted to said dome portion and seating at opposite ends on the cap and valve, an inwardly opening valve housed and guided by said dome portion and seated over an opening in the end wall thereof and a seating spring interposed between and bearing at opposite ends on said inwardly opening valve and said valve seating member.

2,181,970
FUEL COMBUSTION CONTROL SYSTEM
John T. Fallon, Denver, Colo., assignor of one-tenth to Martin E. Anderson, Denver, Colo.
Application April 1, 1939, Serial No. 265,555
4 Claims. (Cl. 158—28)



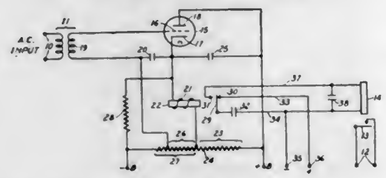
1. In a fuel combustion system, in combination, a source of alternating electric current supply, a fuel burner, a source of fuel supply, electrically operated means for controlling the supply of fuel to the burner, a transformer having a primary coil and a secondary high tension coil, means comprising a switch for controlling the flow of current from the supply circuit to the primary coil, a pair of spaced electrodes forming a spark gap and positioned adjacent the burner to ignite the fuel, the spark gap being connected in series with the secondary coil, a full wave heated cathode rectifier, means responsive to the flux conditions in the primary coil core for heating the cathodes, means responsive to the flux conditions in the core of the secondary circuit for energizing the anodes, an electromagnetically controlled switch in the circuit to the fuel supply control means, said last named switch being so connected with the rectifier as to obtain rectified current therefrom, and adjusted to close the circuit when the current attains a predetermined value whereby the fuel will not be turned on until after the filaments of the rectifier have attained the temperature necessary for rectification.

2,181,971
PALLET AND ROLLER JEWEL SETTER
Irving Gaston, New York, N. Y., assignor to Hammel, Riglander & Co., Inc., New York, N. Y., a corporation of New York
Application October 14, 1938, Serial No. 234,905
3 Claims. (Cl. 81—6)



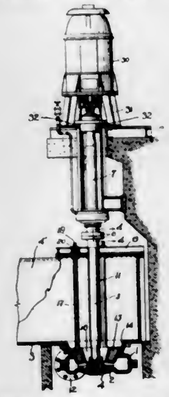
1. A tool of the character described comprising a base plate having a flat upper face on which a pallet is held, a pair of spaced fixed studs on said plate against which the pallet is held, a movable member mounted on the plate for movement to and from the studs, said member having its upper face flush with the flat upper face of the base plate and carrying studs for co-operation with those on the plate for clamping the pallet, and levers pivotally mounted on the plate for operating on the stones of the pallet clamped between the studs.

2,181,972
CONTROL APPARATUS
Roswell Harry Herrick, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 19, 1938, Serial No. 196,919
12 Claims. (Cl. 179—16)



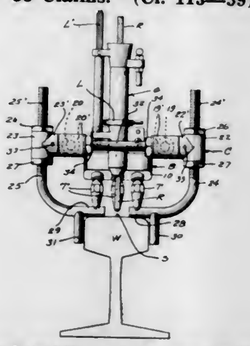
1. An impulse responsive network comprising, in combination, a first relay including a winding and a control armature, a condenser, a source of potential for charging said condenser, a second relay for alternately connecting said condenser to be charged from said source and to discharge through the winding of said first relay, thereby to cause alternate operation and restoration of said control armature, an electron discharge device including an input electrode and output electrodes, means for impressing pulses of input voltage on said input electrode, an output circuit coupled to said output electrodes, said second relay including a winding connected and arranged to be energized in accordance with the current flowing in said output circuit, means for passing a second current through the winding of said second relay in opposition to said first-mentioned current and of a magnitude substantially different in one sense than the magnitude of said first-mentioned current when said pulses of input voltage are impressed on said input electrode, and means for changing the magnitude of one of said currents so that the magnitude of said first-mentioned current is equal to or different in said one sense than the magnitude of said second current during the intervals when no pulses of input voltage are impressed on said input electrode.

2,181,973
PUMPING SYSTEM
Onni J. Jasberg, Kellogg, Idaho
Application April 23, 1938, Serial No. 203,731
1 Claim. (Cl. 103—218)



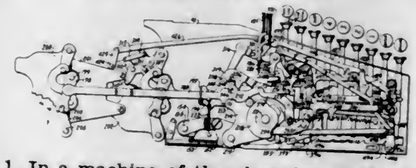
In a pumping structure, in combination, a level control tank, a pump including a casing embodying an impeller chamber and having its suction side open and attached to said tank whereby the tank will act as a suction chamber for the pump, an impeller in said casing, a removable member forming the suction side of the impeller chamber and passages of the pump, a shaft connected to said impeller, a prime mover, a shaft thereon, a coupling between said prime mover shaft and said impeller shaft, said tank provided with a normally closed opening in its top opposite said pump casing, the suction side of said pump casing outwardly of the impeller chamber thereof and said removable member tapering progressively outwardly from the impeller chamber of the pump casing to the point of connection of the pump casing with the level control tank whereby said impeller, removable member and impeller shaft may be tilted to allow said coupling to clear and whereby the impeller and removable member and impeller shaft may be removed from the casing and tank as a unit.

2,181,974
HEATING BROAD SURFACES
Robert J. Kehl, Bayside, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application August 4, 1932, Serial No. 627,419
35 Claims. (Cl. 113—59)



1. In hand welding apparatus of the class described, the combination of means for applying high-temperature heat to work; supporting means for such heating means movable along the work; and means associated with said supporting means adapted to engage both lateral edges of the top surface of the work to guide the apparatus.

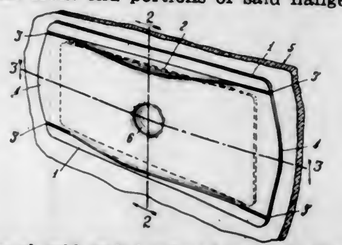
2,181,975
ACCOUNTING MACHINE
Charles L. Lee, deceased, late of Dayton, Ohio, by Leefe Jane Lee, executrix, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application October 14, 1935, Serial No. 44,838
20 Claims. (Cl. 235—60)



1. In a machine of the class described having a traveling carriage, the combination of a rotary drive shaft; a member operated by the shaft; a piece resiliently urged into cooperation with the member; means to normally retain the piece in neutral position; a regularly excursioned element also normally retaining said piece and adapted to allow the piece to engage the member when the first mentioned retaining means is moved to ineffective position; and means whereby the traveling carriage moves the first mentioned retaining means to ineffective position.

2,181,976
CARD OR CERTIFICATE RECEPTACLE
Rudolph W. Lotz, Chicago, Ill., assignor of five-tenths to Herman H. Panama and one-tenth to Edward Frieder, both of Chicago, Ill., and four-tenths to Samual Ungerleider, New York, N. Y.
Application April 18, 1938, Serial No. 202,661
6 Claims. (Cl. 40—10)

1. The combination with a flat surfaced element such as the windshield of an automotive vehicle, of a main wall of resilient material spaced from and opposed to said element, said wall equipped with a pair of parallel flanges along two sides thereof secured to said element, said wall and flanges cooperating with said element to provide a receptacle for a card or the like, there being slits separating end portions of said wall from end portions of said flanges, the



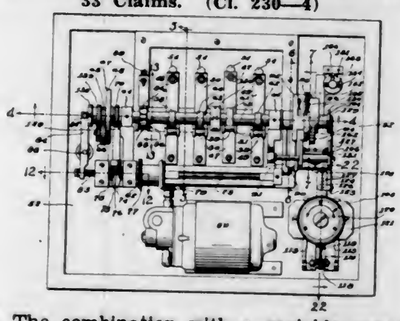
portions of said wall bordered by said slits constituting resilient tongues converging at their outer end portions toward and into contact with and bearing yieldingly upon said element and constituting closures for the ends of said receptacle, said tongues being digitally manipulable for the insertion and removal of objects into and from said receptacle respectively.

2,181,977
PLANT MARKER
John N. Magovern, Agawam, Mass.
Application June 6, 1938, Serial No. 212,138
2 Claims. (Cl. 40—2)



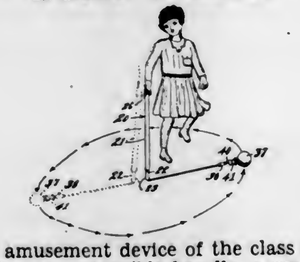
1. In combination, in a plant marker, a stake member, a transparent casing removably supported on said stake member, the sides of said casing being overlapped and sealed, and an opaque cap secured on said transparent casing.

2,181,978
VARIABLE CAPACITY COMPRESSOR
Edward M. Paullin, Jr., Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application March 11, 1938, Serial No. 195,277
33 Claims. (Cl. 230—4)



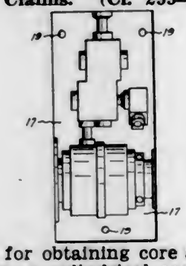
1. The combination with a variable capacity air or gas compressor, of control valves on said compressor for controlling the loading and unloading of the compressor in fractional parts of its full capacity, means for controlling operation of said control valves, pressure responsive means for operating said valve control means, means for automatically re-setting said valve control means after each operation whereby the compressor will operate at the same discharge pressure irrespective of the percentage of its full capacity at which it is operating, and a manually operable demand limiter embodying a plurality of stops brought selectively into or out of stopping relation with said control valve controlling means for regulating the maximum percentage of capacity at which the compressor can operate.

2,181,979
AMUSEMENT DEVICE
Albert F. Schaeffer, Homewood, Ill., assignor of one-half to Edward J. Barry, Chicago, Ill.
Application June 1, 1938, Serial No. 211,266
12 Claims. (Cl. 272—75)



1. An amusement device of the class described comprising an extensible handle, a rope carried by the handle and adapted to be drawn into or extended therefrom by the shortening or lengthening of the handle, and a terminal on the free end of the rope.

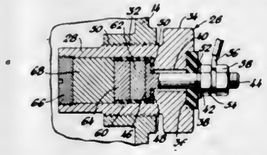
2,181,980
DEVICE FOR OBTAINING CORE SAMPLES
Roy Q. Seale, Corpus Christi, Tex.
Application September 16, 1938, Serial No. 230,222
9 Claims. (Cl. 255—1)



1. A device for obtaining core samples including, a housing, a cylindrical member rotatably mounted within the housing, a core removing element within the cylindrical member, means within said member fixed against rotation for ejecting the element when the member is rotated, and ratchet means for rotating said element only while the same is being ejected, whereby said element may be retracted without being rotated.

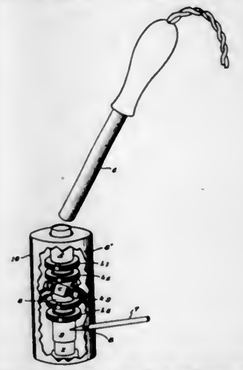
2,181,981
TEMPERATURE RESPONSIVE RESISTOR
Robert W. Smith, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 19, 1937, Serial No. 159,818
6 Claims. (Cl. 201—50)

1. In an electrically responsive thermal gage, a unit adapted to be attached to a body the temperature of which is to be determined, an electrically conductive disc of titanium dioxide in the unit, said disc being capable of allowing a greater or less quantity of electricity to pass therethrough depending on its contact pressure, and a piece



of aluminum confined in the gage and acting through thermal expansion and contraction directly on the disc to increase or decrease its contact pressure.

2,181,982
VARIABLE HIGH FREQUENCY TRANSFORMER
Sarkes Tarzian, Buenos Aires, Argentina, assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1938, Serial No. 210,982
In Argentina November 12, 1937
4 Claims. (Cl. 171—119)

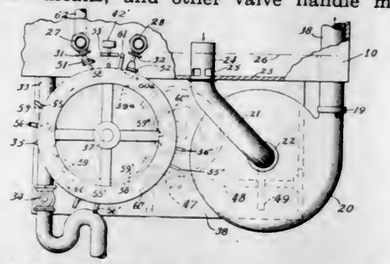


1. In a high frequency transformer, a tubular coil support, a plurality of inductance coil sections axially positioned along said support in concentric relation therewith, thermo-plastic means securing one of said sections on said support in spaced relation to another of said sections, a housing surrounding said support and forming therewith an enclosure for said coils, said support and said housing having aligned openings at one end, respectively, for the application of heat within said tubular support to soften said thermo-plastic means, and an orifice in said housing provided adjacent said one section for the insertion of a tool to adjust the relative position of said one of said coil sections along said support.

2,181,983
AUTOMATIC DISHWASHING MACHINE
Mabel A. Voris, Seattle, Wash.
Application November 25, 1932, Serial No. 644,309
Renewed April 17, 1939
9 Claims. (Cl. 141—9)

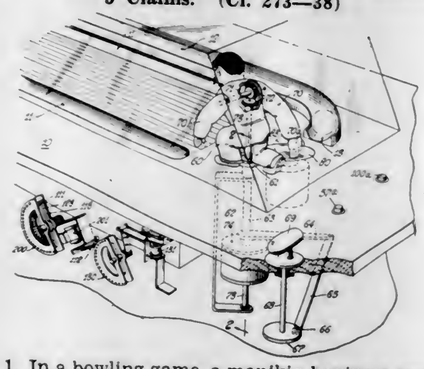
1. In apparatus of the class described, valve operating means, embodying a rotary control member, a set of trips on said control member in close proximity to the periphery thereof, valve handle means in the path of said trips, another set of trips on said control member extending outwardly from the periphery thereof be-

yond said first named trips and clear of said valve handle means, and other valve handle means



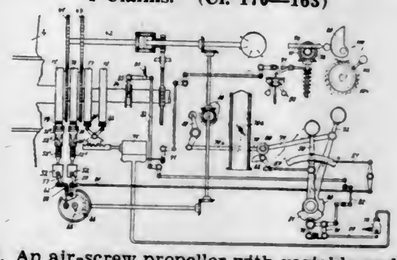
in the path of said last named trips and clear of the first named trips.

2,181,984
AMUSEMENT APPARATUS
Joe H. Warner, Chicago, Ill., assignor to Duane W. Price, Chicago, Ill.
Application August 9, 1939, Serial No. 289,153
5 Claims. (Cl. 273—38)



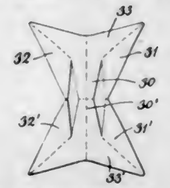
1. In a bowling game, a manikin having a movable arm and hand portion adapted to engage and project a ball in bowling action, a magnetically attractable ball, means for delivering the ball into position against said hand, magnetic means arranged adjacent said position and hand and operable to attract said ball firmly against said hand for propulsion by the latter, and mechanism for moving said arm to project the ball as aforesaid.

2,181,985
AERIAL PROPELLER WITH VARIABLE PITCH
Charles Raymond Waseige, Rueil, France
Application April 25, 1935, Serial No. 18,139
In France May 1, 1934
4 Claims. (Cl. 170—163)



1. An air-screw propeller with variable and reversible pitch comprising in combination a propeller hub, a plurality of blades having each a root so journaled on said hub as to be rotatable to an extent from a positive pitch value to a negative one and vice versa, a pitch varying mechanism and a pitch reversing mechanism adapted for selective operation, each of which mechanisms includes a gearing and the gearing of the pitch reversing mechanism has a much smaller gear ratio than the gearing of the pitch varying mechanism, each of said mechanisms being capable of turning said blades to vary the pitch both positively and negatively, the reversing mechanism further including a movable control member adapted to control the operation of the reversing mechanism and to be given always the same position when the mechanism operates to reverse the pitch from a positive value to a negative one, a movable member connected to said blades to have a variable position depending upon the actual pitch value and arranged to actuate said control member to stop the reversing mechanism when reaching a position corresponding to a predetermined negative value of the pitch.

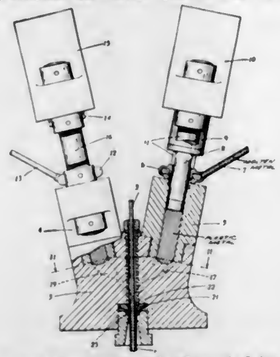
2,181,986
DRESS AND LIP PROTECTOR
Thomas Ralph Arace, Irvington, N. J., assignor of one-half to Antoinette Sherri, New York, N. Y.
Application August 20, 1938, Serial No. 225,881
6 Claims. (Cl. 2—174)



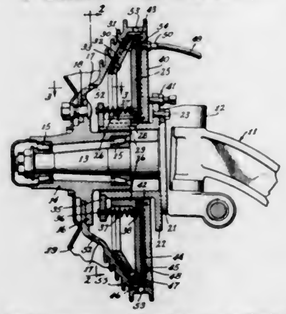
1. A dress and lip protector comprising a truncated triangular shaped sheet having slits extending in from the truncated end of said sheet to form a tongue therebetween, a lip protecting portion having wing portions extending on opposite sides of the tongue, said wing portions being folded to overlap, said tongue being infolded to lie between the lip protecting portion and the overlapped wing portions, and means to secure said overlapping wing portions against separation to provide a boat shaped structure.

2,181,987
APPARATUS FOR EXTRUDING METAL
Charles James Beaver and Thomas James Fairfield, Bowdon, England, assignors to W. T. Glover and Company Limited, Manchester, England, a British company
Application June 20, 1938, Serial No. 214,796
In Great Britain June 23, 1937
6 Claims. (Cl. 207—4)

1. In an apparatus for extruding plastic metal from a number of cylindrical containers adapted to be charged with metal from their outer ends and to be discharged, after the metal has cooled to a plastic state, from their inner ends successively at time intervals into a common extrusion chamber to produce continuous extrusion therefrom, the provision of a valveless passage extending from the inner end of each container to the common extrusion chamber, each passage having a cross-sectional area substantially less than that of the associated container and being so disposed that there is a pronounced difference between the directions of movement of two bodies of plastic metal at their junction, thereby preventing reverse movement of metal in any of the passages when pressure therein toward the extrusion chamber ceases.



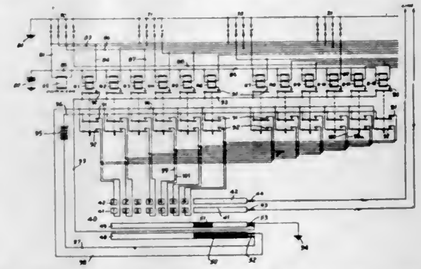
2,181,988
BRAKE
Freeman H. Davis, Placentia, Calif., assignor of one-half to Stuart S. McNair, Arcadia, Calif.
Application June 27, 1938, Serial No. 215,963
4 Claims. (Cl. 188—71)



1. In a fluid pressure brake: a rotatable brake drum; a supporting member; a flanged sleeve mounted on said supporting member; an annular brake shoe slidably mounted on said sleeve; a spring retaining ring mounted on the inner end of said flanged sleeve; spring means interposed between said ring and said brake shoe for yieldably holding said shoe out of engagement with said drum; an annular back plate mounted on said flanged sleeve, said back plate having an annular depressed portion on its inner surface; a flexible and expansible diaphragm mounted on said back plate and covering said depressed portion to form a pressure chamber; and means for connecting said pressure chamber to a source of pressure fluid; said diaphragm being adapted to be distorted by the action of a pressure fluid in said pressure chamber to engage said brake shoe to force same into engagement with said brake drum.

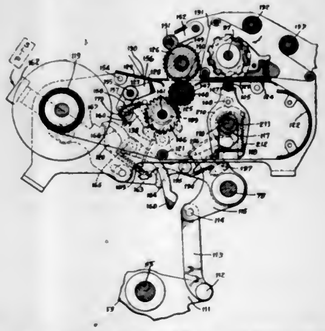
2,181,989
COMMUNICATION SYSTEM
Charles R. Doty, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 12, 1938, Serial No. 190,246
7 Claims. (Cl. 178—27)

1. A communication system comprising, in combination, rotary distributor means to receive a plurality of plus and minus impulses representing a character, polarity differentiating means to direct the impulses to the distributor means in accordance with the first impulse rerality of control circuits and character selection circuits, means under control of the distributor means in accordance wtih the first impulse received to condition a predetermined number of said control circuits, means also controlled by



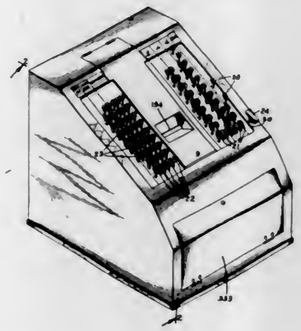
the distributor means operating through one of the conditioned control circuits in accordance with the second impulse received to condition a predetermined number of said character selection circuits, and further means controlled by said distributor means operating through another of the conditioned control circuits to effect the completion of a single one of the conditioned selection circuits to select the character represented by said impulses.

2,181,990
CASH REGISTER
Frederick L. Fuller, West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 24, 1938, Serial No. 197,818
4 Claims. (Cl. 101—93)



1. In a cash register the combination with a set of amount printing elements, of a platen for printing from said set of elements, a reciprocable main operating mechanism for said cash register, an electroprinting roller and cooperating platen roller for printing and issuing a check, a segment reciprocated by said main operating mechanism, a one-way clutch driving means intermediate said segment and said electro roller and platen roller, means for selectively coupling said clutch driving means with said segment, and means operated by said segment for operating said platen to effect an impression from the amount printing elements on the issued check.

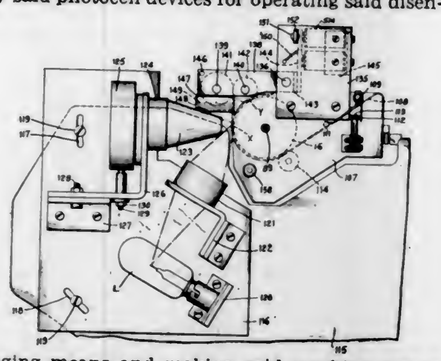
2,181,991
PUNCHING MACHINE
Frederick L. Fuller, West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 16, 1938, Serial No. 225.084
8 Claims. (Cl. 164—112)



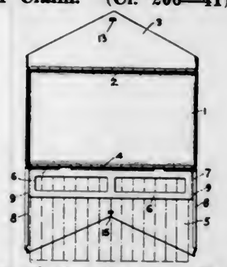
1. In a card punching machine, in combination, a plurality of sets of manipulative devices, selected one of said manipulative devices being presettable prior to an operation of the machine, differential mechanism controlled thereby, a plurality of punch pin carrying bars settable by said differential mechanism comprising for each bar a single punch pin and a correlated die aperture oppositely disposed of a closed card receiving slot in said bar, an operating means for said machine including a normally locked motor release bar therefor, means controlled by one of said sets of manipulative devices for unlocking said motor release bar, devices for normally locking said last named set of manipulative devices, means controlled by the other of said set of manipulative devices for disabling said last named locking devices, a card sensing lever operated for each operation of said machine to coact with cards fed to said punching pins to determine if a card is fed, or properly positioned for a punching operation, and means rendered operative by said card sensing lever in response to the improper feeding of a card, or absence of a card being fed, to prevent said other set of manipulative devices from disabling said locking devices to prevent further operations of the machine.

2,181,992
PAPER FEEDING DEVICE
Goino Ghertman, St. Mande, France, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 11, 1938, Serial No. 207,349
14 Claims. (Cl. 197—127)

1. In a machine for feeding a record sheet, sheet feeding rollers, a driving means for said rollers, a clutch for connecting said driving means to the feed rollers, means for engaging said clutch, means for disengaging said clutch, normally ineffective means for marking a stripe on said sheet and extending said stripe each time the machine is operated, photocell devices for sensing the length of said stripe, sheet inserting means for operating said engaging means and said photocell devices, and sheet positioning means controlled by said photocell devices for operating said disengaging means and making said marking means effective when the end of said stripe is sensed.

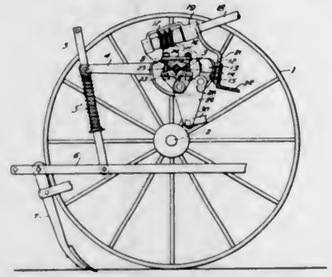


2,181,993
CIGARETTE AND SIMILAR CASE
Emanuel Hammerling, Woodmere, N. Y., assignor to Harry Richman Novelties Corp.
Application July 19, 1939, Serial No. 285,274
1 Claim. (Cl. 206—41)



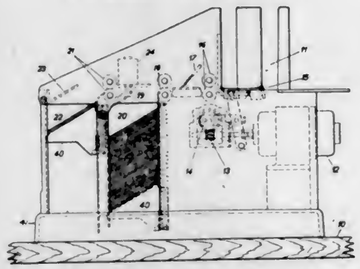
In a device of the class described, the combination of a rectangular dished plate, major and minor dished flaps connected to parallel edges of the said plate by spring hinges, the minor flap being centrally provided with an aperture spaced from the distal edge of the flap to provide a distal portion and the major flap being centrally provided near its distal edge with a protuberance punched out of the metal of the major flap with brace walls at each side, the arch of the protuberance facing the distal edge of the major flap with the leading edges of the protuberance including its said side brace walls faced away from the said distal edge of the major flap, the said side braces of the protuberance being provided with a slight recess to form the said leading edge of the protuberance into a slightly projecting lip, the said flaps overlapping each other with the minor flap overlying the major flap, the said aperture and said protuberance being so distanced from the hinged connections of the respective flaps to the said plate that as pressure is applied to the minor flap to turn it in a clockwise direction relative to its hinge conection, the said distal portion of the minor flap rests upon the said arch of the protuberance to turn the major flap in a counterclockwise direction relative to its hinge connection and against the spring thereof, the two flaps turning relatively to each other until the said distal portion of the said flap slips off the said protuberance arch of the major flap and snaps under the said projecting lip of the protuberance.

2,181,994
CONTROL DEVICE FOR POWER LIFT MECHANISMS
Howard Milton Johnston and Peder Bjerre, Toronto, Ontario, Canada, assignors to Massey-Harris Company, Limited, Toronto, Ontario, Canada
Application April 15, 1938, Serial No. 202,268
7 Claims. (Cl. 97—244)



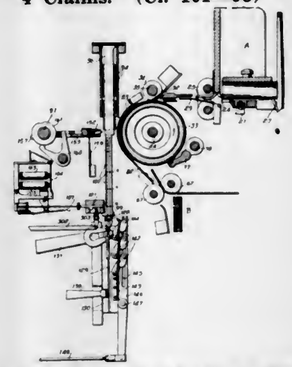
1. In an implement having a wheel-supported frame, a rock shaft and a plurality of earth-engaging units mounted in said frame, said rock shaft having a connection with said units and being rotatable to raise and lower said units, means for imparting rotative movement to said rock shaft comprising a pitman and a lever pivotally connected to said pitman and to said rock shaft, an adjustable member adapted to provide a fulcrum point for said lever, and means for adjusting said member to vary the position of said fulcrum point whereby the extent of said rotative movement in response to a given pitman stroke is varied.

2,181,995
CARD STACKING DEVICE
Hermann Keil, Berlin-Lankwitz, Germany, assignor to the firm Deutsche Hollerith Maschinen G. m. b. H., Berlin-Lichterfelde, Germany
Application October 15, 1938, Serial No. 235,283
In Germany May 20, 1938
3 Claims. (Cl. 271—88)



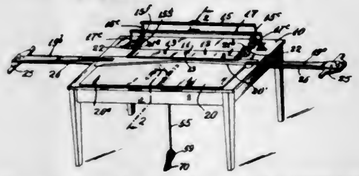
1. In a card receiving device for cards in which the cards controlling the machine are fed to a card receiving pocket, a support for said cards comprising as a unitary integral structure a card supporting plate having transverse downwardly bent integral side portions, a side wall of said pocket having slots receiving said side portions, a supplemental side wall having slots receiving said integral side portions, pairs of rollers carried by said side portions and arranged to roll on opposite sides of said supplemental side wall, and a spring connected to said support plate and fixed to a part of the machine for resiliently supporting the stack of cards fed to the pocket.

2,181,996
PERFORATED CARD INTERPRETER
Irving B. Knutson, Chicago, Ill., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 26, 1938, Serial No. 226,859
4 Claims. (Cl. 101—93)



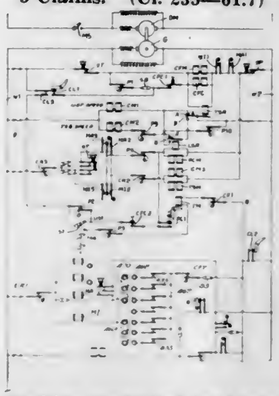
1. A printing mechanism having a reciprocable type carrier provided with a plurality of type elements, an invariably reciprocable crosshead, a frictional connection between the crosshead and carrier, means for moving said crosshead, said crosshead normally moving the carrier with it through said frictional connection, means for interrupting the carrier by engagement therewith during the movement of the crosshead in one direction, means for disabling said interrupting means by disengaging the same from the carrier at a fixed time during the movement of the crosshead in said direction and record controlled means for causing an operation of said interrupting means before and after said fixed time to effect a cumulative displacement of the carrier with respect to the crosshead.

2,181,997
DEVICE FOR THE FABRICATION OF NECKTIES
Morris S. Malek, Ridgefield, N. J.
Original application December 24, 1935, Serial No. 55,970. Divided and this application February 12, 1938, Serial No. 190,174
5 Claims. (Cl. 112—2)



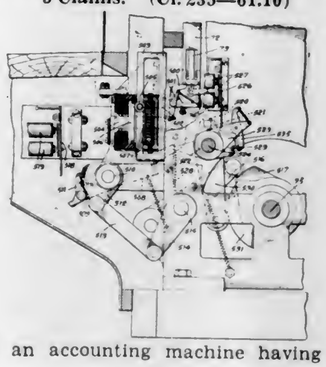
3. In a device for folding and holding tie material, the combination of a lower clamping strip provided with fastening means, an upper clamping strip provided with fastening means cooperative with the said fastening means of the lower clamping strip, the said clamping strips being formed of flexible material and the said fastening means comprising a plurality of cooperative fasteners spaced along the length of the respective clamping strips, the fasteners provided centrally of the strips fitting snugly together and the end fasteners fitting loosely together to permit relative end movement of the clamping strips, whereby the pair of clamping strips may be flexed to arcuate shape.

2,181,998
RECORD CONTROLLED MACHINE
Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 11, 1935, Serial No. 20,918
5 Claims. (Cl. 235—61.7)



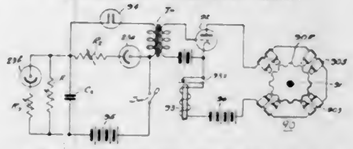
2. In a machine controlled by accounting and statistical records, record sensing means, means to feed records to the sensing means, means to detect the arrival of a record at the sensing means, two-speed clutch means to drive the feeding means at different speeds during listing and non-listing cycles, respectively; a pair of electric actuators for operating the clutch means to determine the speed at which the feeding means is driven, circuits for said actuators, a relay operable to initially select the circuit of a predetermined one of the actuators to cause operation of the feeding means at a non-listing speed, a control circuit for said relay including means to initiate operation of the machine; and a second control circuit including a second relay controlled by the detecting means for selecting the circuit for the other of said actuators and breaking the circuit for the predetermined actuator to cause a cycle of operation of the feeding means at listing speed when the first record is in a position to be analyzed.

2,181,999
PRINTING MECHANISM
Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 12, 1936, Serial No. 84,783
3 Claims. (Cl. 235—61.10)



1. In an accounting machine having record card feeding means, sensing means, an accumulator controlled by said sensing means to accumulate amounts sensed in successively fed record cards, printing mechanism including one or more type carriers and means for advancing and restoring a carrier, control means to cause a carrier to take a differential setting during its advance, in accordance with the digital position of an accumulator element, group control mechanism operative to interrupt the operation of said card feeding and sensing means, and set said control means to cause printing of said digital position, and means to render said card feeding and sensing means effective again upon termination of said printing operation, in combination with one or more differentially positionable contact members, means for effecting coupling of a member with a carrier after the carrier has been differentially set whereby the member will be moved with the carrier during its restoration to effect a setting of the member in accordance with the setting of the carrier, a series of magnets, one for each position of a contact member, a circuit connection completed by a contact member to energize the magnet related to the position in which the member is set, means for rendering said circuit connection effective after said printing and for maintaining it while the subsequent feeding and sensing operations take place, and means for restoring said member to zero position.

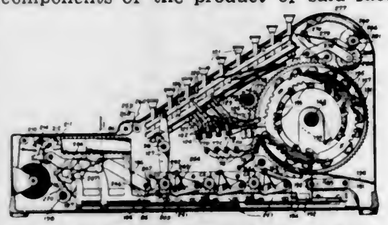
2,182,000
SYNCHRONIZING SYSTEM
Harry J. Nichols, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 7, 1934, Serial No. 756,486. Divided and this application September 24, 1938, Serial No. 231,464
4 Claims. (Cl. 178—69.5)



1. In periodic impulse generators, in combination, a relaxation oscillator, means for regulating the normal rate of oscillation, and selective time regulating means therefor comprising two light responsive devices, one of said light responsive devices being adapted to increase the rate of oscillation, the other of said devices being adapted to decrease the rate of oscillation, and synchronizing means for controlling the activation of the light responsive devices.

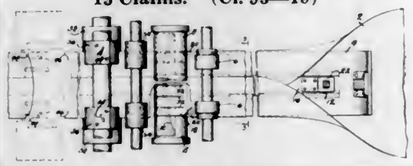
2,182,001
COUNTING MACHINE
John Royden Peirce, deceased, late of New York, N. Y., by Adelbert C. Maby, Jamaica, and Thomas A. Gavin, Binghamton, N. Y., executors, assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 21, 1934, Serial No. 744,890
4 Claims. (Cl. 235—60)

1. In a multiplying mechanism, a plurality of shiftable multiplying elements having notches therein, means for positioning one or more of said elements to represent one factor, means for positioning one or more other of said elements to represent another factor, whereby there will be an alignment of the notches in all of said elements in one or more positions representative of the components of the product of said factors,



means for ascertaining one of the positions at which said aligned notches have occurred and means controlled thereby to receive said product.

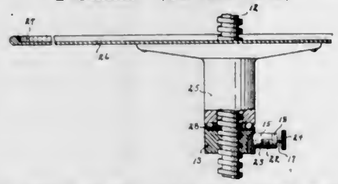
2,182,002
BAG MAKING MACHINE
Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application February 25, 1938, Serial No. 192,455
15 Claims. (Cl. 93—19)



1. A machine of the class described comprising in combination a perforator-plate extending lengthwise of the machine and provided on opposite faces with grooves, smooth perforators mounted on opposite sides of said perforator-plate, means for tubing material about the perforator-plate, means for bringing the said perforators and the grooved perforator-plate into operative relation with respect to each other with the smooth perforators extending across said plate intermittently to perforate the tubed material through both walls between the grooves in the perforator-plate and at bag length intervals while leaving intact those portions of the tube overlying said grooves.

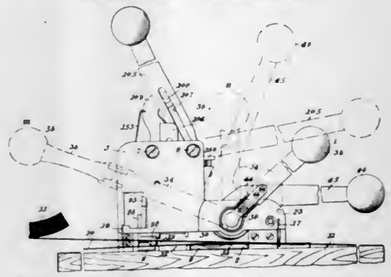
6. A machine of the class described comprising in combination a former-plate, a plate slidable therein, a pair of rollers immediately adjacent the forward end of the former-plate, and a perforator carried by each of said rollers and cooperating with the faces of said slidable plate.

2,182,003
REFRIGERATOR
Henry H. Roark, Sac City, Iowa
Application April 11, 1938, Serial No. 201,343
1 Claim. (Cl. 211—146)



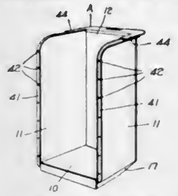
In a device of the class described, a housing, a vertical threaded shaft inside said housing, a bearing member threaded on said shaft, a longitudinal groove in said threaded shaft, a rod slidably mounted in said bearing member capable of engaging said channel groove at times, a means for yieldingly holding said rod towards said shaft for preventing the rotation of said bearing element relative to said threaded shaft at times, a projection on said bearing element surrounding said rod and having a bayonet slot cut therein, a pin on said rod capable of engaging said bayonet slot in said projection when said rod is manually pulled rearwardly out of engagement with said groove in said threaded shaft, and a supporting tray element rotatably mounted on said shaft and operatively supported by said bearing member.

2,182,004
STRAP TENSIONING AND SEALING DEVICE
Herman J. Spencer, West View, Pa., assignor to Leechgrip Company, O'Hara Township, Allegheny County, Pa., a corporation of Pennsylvania
Application August 11, 1937, Serial No. 158,600
10 Claims. (Cl. 81—9.1)



1. Apparatus for fastening together the ends of a binding strap and a clip seal comprising means for tightening the strap and for holding the strap ends in superposed relationship, vertically reciprocable means including forming jaws, a ram and a presser head for positioning a clip seal over the superposed strap ends and for forming the joint between the strap ends and the clip seal, feeding apparatus for feeding a clip seal over the superposed strap ends and below said reciprocable means, and at least one seal support carried by said vertically reciprocable means for supporting the seal above the strap ends and below the vertically reciprocable means.

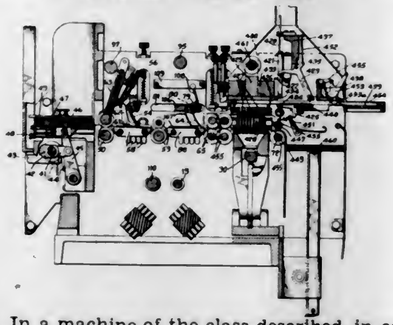
2,182,005
FREIGHT CARRIER
Charles C. Stetson, St. Paul, Minn.
Application June 20, 1938, Serial No. 214,855
10 Claims. (Cl. 214—65)



1. A freight carrier comprising a base, a back extending substantially vertically from said base, supporting members on opposite sides of said base to support said carrier with said back substantially vertical, spacing said base from the floor, said supporting members being upwardly and rearwardly tapered from a point near the center

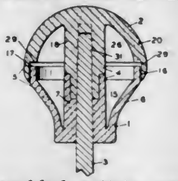
of the sides to the rear end thereof to support said carrier at a predetermined angle with respect to the vertical to permit said carrier to be easily tilted.

2,182,006
TABULATING MACHINE
Gustav Tauschek, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 19, 1934, Serial No. 758,230
10 Claims. (Cl. 235—61.9)



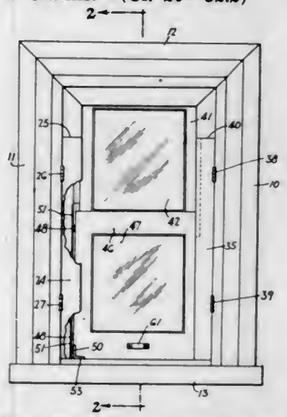
1. In a machine of the class described, in combination, analyzing means for analyzing a multiplier value on a record, and a multiplicand value on the same record, multiplier digit set-up means, means controlled by the multiplier analyzing means for setting the multiplier digit set-up means, means controlled by the multiplier digit set-up means for reciprocating said multiplicand analyzing means over the record one or more times while the record is at rest in accordance with the digital value of each multiplier digit to secure by repeated addition a product, an accumulator for forming the product by successive multiplicand entries under control of the multiplying means, printing means controlled by said accumulator to print the product, printing means settable under control of the multiplicand and multiplier analyzing means to print the multiplier and multiplicand values, means for causing the record to be fed when the product has been formed, and means for causing the suppression of the operation of the brush reciprocating means while said record is fed whereby said analyzing means analyzes both values while the card is in motion to set the last named printing means.

2,182,007
TWO-PIECE MOLDED KNOB ASSEMBLY
John B. Tegarty, St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application November 1, 1937, Serial No. 172,128
3 Claims. (Cl. 16—121)



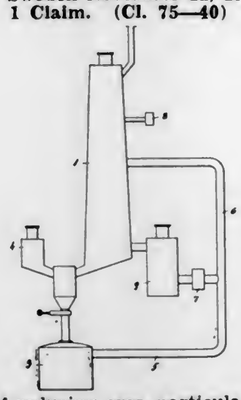
2. A hollow molded article comprising separate members of moldable plastic material, each having an inner portion and a shell portion integral therewith and lying outwardly therefrom, means rigidly joining the inner portions of the two members together, the shell portions having mutually adjacent disconnected relatively overlapping surface portions adapted to slide against each other upon separate deflection of either shell portion, and normally spaced abutment surfaces on each of the shell portions adapted and arranged to engage each other upon a predetermined relative movement of the shell portions to limit the sliding movement.

2,182,008
WINDOW FRAME CONSTRUCTION
Nicola Trombetta, Hoboken, N. J.
Application October 6, 1938, Serial No. 233,572
2 Claims. (Cl. 20—52.2)



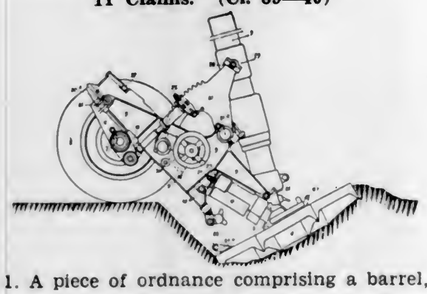
1. A window structure comprising a pair of jamb elements consisting of an upper outward channel and a lower outward channel, an upper inward channel and a lower inward channel each upper channel constituting a continuation of the corresponding lower channel, the outward and inward channels extending vertically side by side, one side of said channels being common to both, an upper window sash vertically slidable in said outward channel and a lower window sash vertically slidable in said inner channel, sash holding means on the bottom of the inner and outward channels of each jamb element to engage with the window sashes and hold the same in relation to said channels, the sashes being movable therewith, means hingedly supporting the inward side of the lower inward channel of one of said jambs to cause said side to swing inwardly, means hingedly supporting the means forming the lower inward channel of the opposite of said jambs, said side common to both outward and inward channels being formed integrally therewith, said hingedly supporting means causing said lower inward channel and the lower window sash, when in its closed position, to swing inwardly, means hingedly supporting the means forming the lower outward channel of the other one of said jambs, said side common to both outward and inward channels being formed integrally with said outward channel, said hingedly supporting means permitting said lower outward channel and the upper window sash when in its lowermost position to swing inwardly, and means on said lower channel portion to engage said window sashes when the same are in their lowermost position, for detachably holding said upper and lower window sashes in the outer and inner channels respectively when said window sashes are swung inwardly.

2,182,009
METHOD OF REDUCING ORE, PARTICULARLY IRON ORE
Frans Martin Wiberg, Filipstad, Sweden, assignor to Det norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway
Application March 21, 1939, Serial No. 263,231
In Sweden November 11, 1937
1 Claim. (Cl. 75—40)



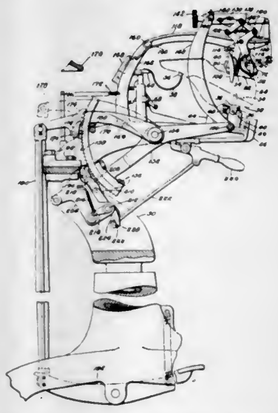
Method of reducing ores, particularly iron ore, comprising the steps of causing the ore to pass through a furnace in opposite direction to carbon monoxide containing reducing gas, taking out a portion of said gas before it has continued through the whole body of ore, leading said portion of gas through at least one carburetter for regenerating the same with respect to carbon monoxide and utilizing the same as reducing agent in said furnace, causing the rest of the gases to continue through the body of ore and supplying air to the same for effecting the required reduction temperature, leading the process in said furnace so that only a partial reduction of the ore is effected, introducing said partially reduced ore together with solid reducing agent into a second furnace, where it is melted and completely reduced, and leading at least one portion of the gases generated in said second furnace through said carburetter together with the portion of gases taken out from the first mentioned furnace for assisting the reduction process in said furnace.

2,182,010
PIECE OF ORDNANCE
Edgar William Brandt, Paris, France, assignor to Sageb Société Anonyme de Gestion et d'Exploitation de Brevets, Fribourg, Switzerland, a corporation of Switzerland
Application April 7, 1937, Serial No. 135,571
In France April 20, 1936
11 Claims. (Cl. 89—40)



1. A piece of ordnance comprising a barrel, a breech at the rear end of said barrel, a platform to be laid on the ground for supporting said breech, an axle, carriage wheels mounted on said axle, a cradle adapted to slide along said axle, a carriage frame to support said barrel and adapted to slide longitudinally on said cradle perpendicularly to said axle, and a shock absorber device articulated on said platform and on said carriage frame for absorbing the reaction of the recoil on the carriage frame at firing and for supporting the rearward part of the carriage frame on the platform when in firing position.

2,182,011
BREAST FLAP CLAMPING MACHINE
William Neil Bray and Frank Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 26, 1938, Serial No. 221,375
In Great Britain August 6, 1937
16 Claims. (Cl. 12—125)

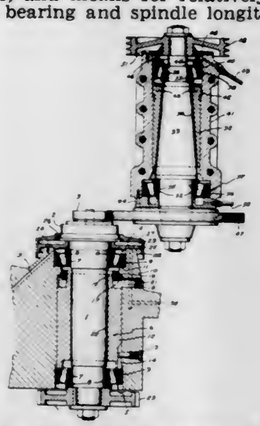


1. A machine for clamping a covering flap against the breast of an attached heel of a shoe having, in combination, a support for the shoe, a resilient pad, mechanism for moving the pad heightwise of the shoe against the breast of the attached heel of the shoe to clamp the flap against the heel breast, mechanism responsive to heightwise pressure of the pad against the heel breast for moving the pad lengthwise of the shoe against the heel breast, and means for varying the degree of lengthwise thrust of the pad against the heel breast with relation to the heightwise thrust of the pad against the heel breast in accordance with the shape of the heel of the shoe.

2,182,012
SPINDLE
Earl C. Bunnell, Stratford, Conn., assignor to The Baird Machine Company, Bridgeport, Conn., a corporation of Connecticut
Application January 7, 1937, Serial No. 119,425
6 Claims. (Cl. 308—35)

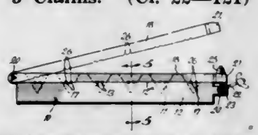
1. In combination, a rotary spindle, a roller bearing for said spindle, a plain bearing for the spindle adjacent the roller bearing, both bearings being arranged to simultaneously support the spindle and form running bearings therefor during normal operation of the spindle, said spindle and bearing having similarly tapered bearing surfaces provided a tapered plain bearing for

the spindle, and means for relatively adjusting said plain bearing and spindle longitudinally of



the spindle to adjust the thickness of the oil film between the tapered surfaces.

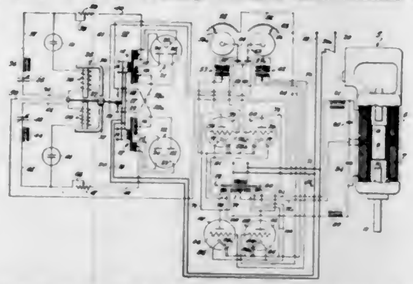
2,182,013
MOLD FOR FORMING SOLDER BARS
Charles E. Burke, Ludlow, Ky.
Application March 30, 1936, Serial No. 71,541
5 Claims. (Cl. 22—121)



1. A mold for forming solder bars and securing wire handles axially in the ends of the bars comprising, a rectangular body member having a plurality of open grooves forming mold cavities on the upper face thereof, an end wall at one end of said cavities, a partial end wall at the opposite end of said cavities, and a removable supplemental end gate positioned on said partial end wall so as to provide a closure for said grooves, said partial end wall and supplemental end gate having a plurality of semi-circular grooves in registry, and adapted to engage around the wire handles extending into the mold grooves.

2,182,014
ELECTRICAL CONVERTING SYSTEM
Dudley B. Clark, Palm Springs, Calif., assignor to General Electronics Corporation, a corporation of Nevada
Application July 22, 1937, Serial No. 155,048
14 Claims. (Cl. 172—281)

14. The combination with a source of alternating current and a plurality of output circuits, of a converting system including two sets of thermionic valves, said valves having control electrodes, alternating current circuits for biasing said electrodes, the control electrodes of each set of valves being connected so that the potentials applied to them are opposite in phase, means for making and breaking said biasing circuits to render said sets of valves conductive in alternation, whereby to produce pulsations of a predetermined frequency, means for throwing the current in one of said biasing circuits out of phase with respect to the current in the other so that alternate of said pulsations are of a greater amplitude than the intermediate pulsations, said last named means including a resistance and a condenser connected in series across the lines of each of said biasing circuits and means for



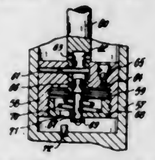
connecting said valves so that pulsations of one amplitude are supplied to one of said output circuits and pulsations of another amplitude are supplied to another of said circuits.

2,182,015
CONSTRUCTION ELEMENT
Augustine Davis, Jr., Cincinnati, Ohio
Application October 7, 1935, Serial No. 43,865
3 Claims. (Cl. 189—40)



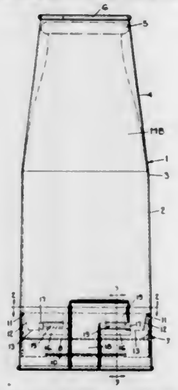
2. In a construction element of the class described, comprising a web or body portion having open channels at their opposite edges, each channel including side walls and a base at the lower end of the side walls, a resilient nailing strip in each channel of a depth corresponding to the depth of the channel, means integral with the channel side walls and projecting inwardly thereof adapted to be imbedded in the resilient nailing strip for securing same in position, and tie plates connecting the upper ends of the open channels to prevent spreading thereof after the nailing strips are inserted therein.

2,182,016
FLUID RETARDING OR BRAKING DEVICE
Fritz Albert Deutsch, Berlin, Germany
Application August 19, 1937, Serial No. 159,925
In Germany December 22, 1936
5 Claims. (Cl. 188—88)



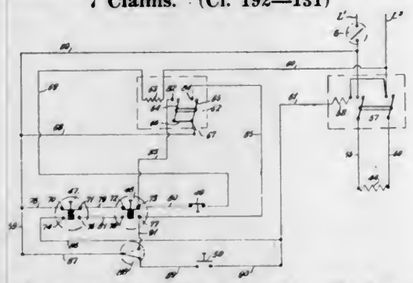
1. In a fluid retarding or braking device, a cylinder member, a piston member relatively slidable therein and including a piston rod having a passage therethrough from one side of said piston member to the other side thereof, a valve controlling said passage, a spring urging said valve to closed position, means threadedly associated with said piston member for varying the tension of said spring, and means carried by said cylinder and cooperating with said first named means when said piston is in a predetermined position and upon relative rotation between said members to cause movement of said means relative to said piston to adjust the tension of said spring.

2,182,017
MILK BOTTLE CARRIER
Ernest E. Donaghy, St. Johnsbury, Vt.
Application June 1, 1937, Serial No. 145,689
7 Claims. (Cl. 220—40)



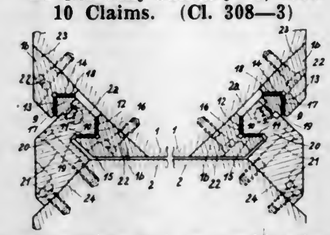
1. A milk bottle carrier comprising a main cylindrical body portion having a lower open end, a cylindrical closure member adapted to be inserted in the said lower end of the main body portion, and co-operating locking means comprising upright and depending members carried respectively by the main body portion on its inner wall and spaced therefrom and the closure member similarly spaced from its inner wall and adapted to be circumferentially turned into longitudinal gripping engagement with each other in locking together the flanges and consequently the body portion and the closure member.

2,182,018
TWO-HAND CONTROL
Walter C. Eickman, Dayton, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application April 2, 1937, Serial No. 134,640
7 Claims. (Cl. 192—131)



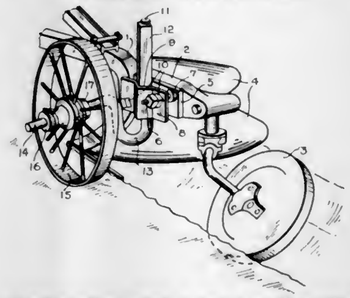
1. In a machine of the class described, a cutting tool, means for reciprocating the tool comprising a clutch, an electric shifter for said clutch, an electric circuit controlling the shifter, a two-hand control for said circuit, a switch in said circuit, a relay for operating said switch, an electric circuit for said relay, a switch in said relay circuit, and means associated with the tool operating mechanism for holding said last named switch closed during the work stroke of the tool and open during the return stroke.

2,182,019
GUIDE FOR MACHINE TOOLS
Felix Eisele, Rabenstein, near Chemnitz, Germany, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Siegmar-Schonau, Germany
Application January 15, 1937, Serial No. 120,799
In Germany January 15, 1936
10 Claims. (Cl. 308—3)



1. In a machine tool, in combination, a supporting member, a reciprocating member slidable upon the supporting member, a pair of T-shaped guides provided in juxtaposition on one of the said members, and a pair of independent guide tracks carried by the other member for receiving the extending flanges of the T-shaped guides.

2,182,020
PLOW ATTACHMENT
Otto Fleck, Botha, Alberta, Canada
Application January 9, 1939, Serial No. 250,058
1 Claim. (Cl. 97—189)

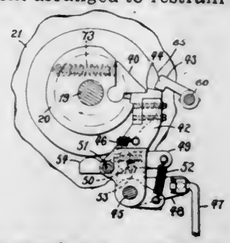


In combination with a gang or disc plow structure having a plurality of plow bottoms mounted thereon, a vertical shank having means to clamp the same to the plow structure, a horizontal axle extending from the shank, a land wheel mounted thereon to travel on the unplowed land adjacent the furrow, said clamp means consisting of a V shaped vertical plate secured to the vertical shank, a plate having a V shaped groove in which the said plate fits and securing bolts extending through the plate at each side of the groove into the plow structure, substantially as set forth.

2,182,021
FASTENER INSERTING MACHINE
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 22, 1937, Serial No. 170,433
4 Claims. (Cl. 218—15)

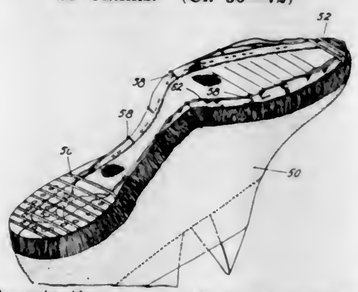
1. In a power-operated fastener-inserting machine of the type in which the driven member of a clutch drives a cam at one speed and a modifier at half-speed, the one to operate a fastener-presenting device and the other to postpone the

operation of said device until the second revolution of each run of the cam; a movable starting and stopping member arranged to control said clutch, a detent arranged to restrain said starting



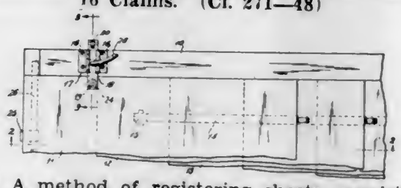
and stopping member in position to permit the clutch to drive the machine, and means operable by said modifier in the second revolution of said cam to impart releasing movement to said detent.

2,182,022
PROTECTIVE COVER
Stanley M. Griswold, Boston, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application June 30, 1936, Serial No. 88,167
Renewed April 28, 1939
20 Claims. (Cl. 36—72)



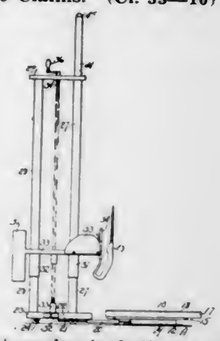
14. A protective cover ready to be stretched over a lasted shoe, said cover comprising an elastic body portion having a substantially open bottom, there being attached along the lower edge thereof a strip of reinforcing material which is more resistant to abrasion than is the elastic body portion and is capable of stretching lengthwise.

2,182,023
METHOD AND MEANS FOR FEEDING AND REGISTERING SHEETS
Charles W. Harrold, University Heights, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application April 23, 1937, Serial No. 138,596
16 Claims. (Cl. 271—48)



1. A method of registering sheets, consisting in advancing a continuous bank of seriated sheets, front and side registering the foremost sheet of the bank, and while side registering said sheet advancing the remainder of the bank to carry the forward edge of the next succeeding sheet past the point where the side registering operation is performed.

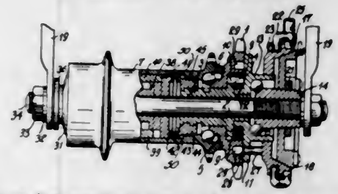
2,182,024
GARMENT MARKER
Rose Hoffman, Hartford, Conn.
Application December 24, 1936, Serial No. 117,606
19 Claims. (Cl. 33—10)



1. A garment marker including a platform base having a smooth flat upper surface for support of a person standing thereon, a supporting platform for a marking apparatus, marking mechanism mounted on said platform for operation on a garment worn by a person standing on said platform and a connection between said base and support to permit revolution of the latter around the former, said connection including means for effecting movement of said marking apparatus in an oval path having its major axis always disposed in the same position relatively to the movable base at the beginning of a marking operation to effect movement of the latter in an oval path corresponding to the oval shape of the bottom of a skirt worn by a person standing on the stationary base

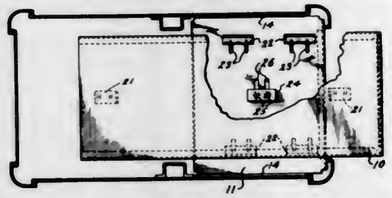
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2,182,025
TWO-SPEED COASTER BRAKE
Bert Lee, Sacramento, Calif., assignor to Alvin J. Musselman, Cleveland Heights, Ohio
Application April 18, 1938, Serial No. 202,607
5 Claims. (Cl. 74—290)



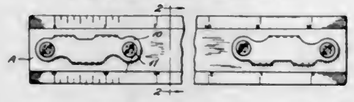
1. In a transmission for a bicycle having a rear axle, a coaster brake adapted to be mounted upon the axle, said coaster brake embodying a driver screw adapted to have a rotative bearing upon the axle, a planetary transmission comprising three principal elements, namely an internal gear, a planet carrier and a sun gear, a sprocket wheel rigid with said internal gear, planet gears on said planet carrier, said driver screw being rigid with said planet carrier, said sun gear having a radial flange, and means for locking said flange to one of the other two planetary transmission elements, all of said planetary transmission elements being adapted to be removed by the withdrawal of said driver screw from said axle, whereupon a conventional single speed transmission unit with its driver screw may be inserted in place of the two-speed unit.

2,182,026
SLIDE SHELF CONSTRUCTION
Forest L. W. Link, Silverton, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application December 14, 1938, Serial No. 245,708
1 Claim. (Cl. 45—90)



In a pedestal type desk having a spreader extending across the top of a pedestal, and a sliding shelf riding on said spreader, stops on the under side of said shelf, and a stop block mounted on said spreader, said mounting comprising a slot in said spreader transversely thereof, and a fastening element passing through said slot and engaging said stop block, said slot being of such length that when said fastening element is loosened and the stop block moved transversely of said spreader to the other end of said slot, said block will clear said stops whereby said shelf may be removed.

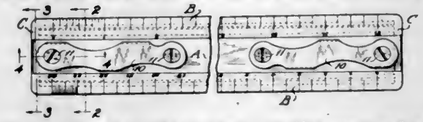
2,182,027
RULER
Charles H. Little, Cleveland Heights, Ohio, assignor of one-tenth to Charles Hubbard Little, Cleveland Heights, Ohio
Application February 3, 1936, Serial No. 62,144
1 Claim. (Cl. 33—107)



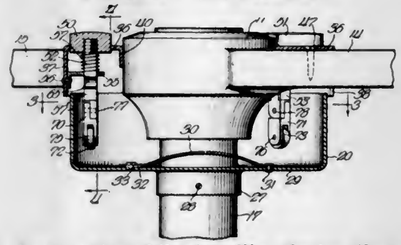
A composite drafting ruler comprising a ruler body having a top beveled edge portion tapering outwardly and provided with grooves in the upper and the lower sides thereof, a V-shaped edge strip engaging around said beveled edge portion and formed from a plastic molded in position, a tongue on the underside of the upper prong of said edge strip engaging within the groove on the upper side of said beveled edge portion, and a tongue on the upper side of the under prong of said edge strip engaging within the groove on the underside of said beveled edge portion.

2,182,028
DRAFTING RULER
Charles Henry Little and Charles Hubbard Little, Cleveland Heights, Ohio
Application August 8, 1936, Serial No. 95,002
2 Claims. (Cl. 33—107)

1. A composite drafting ruler comprising a metal ruler body made of an aluminum alloy and extending from the upper side of the ruler proper to the lower side thereof, the perimeter of the lower side of said ruler proper being formed of plastic molded in position and mechanically interlocked with the ruler body, and an electrolytically produced oxide coating on the exposed portions of said metal ruler body.



2,182,029
AUTOMOBILE SIGNAL SWITCH
Ralph Markham, Chicago, Ill.
Application October 21, 1936, Serial No. 106,807
3 Claims. (Cl. 200—59)

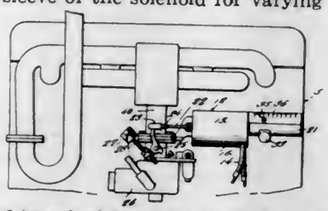


1. In an automobile signalling device, the combination of a composite housing with switching means constituting a control apparatus which comprises a lower housing section consisting of a cup-shaped member which is centrally firmly attached to the stationary steering column and carries an upright peripheral wall forming an entirely free annular peripherally confined space around a portion of said column immediately below the spokes of the steering wheel mounted thereon, an arcuate cam member carried on the bottom portion of said lower housing section and projecting into the free space formed thereby, an upper housing section firmly attached to the rotatable steering wheel and having an annular depending flange overhanging the peripheral upright wall of said lower housing section in spaced relation thereto, and switching means in said upper housing section comprising an actuating member extending to the outside, an operating member connected to said actuating member and extending into said housing, electrical contacts mounted on said upper housing section and adapted to be conductively connected by said operating member, and release means for said switching means normally in alignment with said cam member and extending into the path of said cam member when the switching means is in actuating position.

2,182,030
CONTROL DEVICE
Horace McEniry, Asheville, N. C., assignor of one-half to J. Bat Smathers and one-tenth to Floy Whitmire Hutchins, both of Asheville, N. C.
Application November 10, 1938, Serial No. 239,880
2 Claims. (Cl. 290—40)

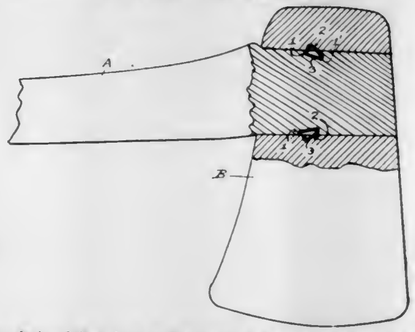
1. A control device for engine driven generators of an electric welding apparatus comprising an electric solenoid including a single winding connected directly in an electric circuit of a generator driven by an engine of an electric welding apparatus and provided with a core operating in a sleeve for the support of said winding and projecting a distance beyond one end of the solenoid.

means for connecting said core to a throttle valve of the engine for advancing the throttle valve toward an open position by the energization of the solenoid, a weight adjustably connected to the throttle valve for returning the latter to engine idling speed on the deenergization of the solenoid, an elongated rigid stop element slidably mounted in the sleeve of the solenoid for varying the dis-



tance of travel of the core, teeth formed on the stop element, a gear in mesh with said teeth, a hand piece for rotating the gear in either direction, an indicator secured on the stop element, said sleeve having a slot to slidably receive the indicator, a scale plate over which the indicator moves and mounted on the sleeve, and means for releasably securing the finger piece against accidental rotation.

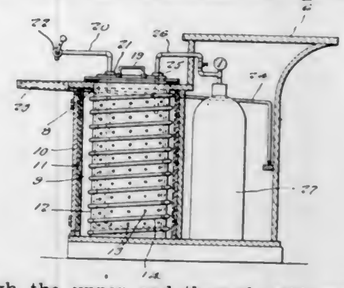
2,182,031
AX HANDLE
Randolph B. Montgomery, Pasadena, Calif.
Application January 3, 1939, Serial No. 249,110
2 Claims. (Cl. 306—33)



2. A tool having a handle and a head provided with an eye for receiving the front end portion of the handle, the said end portion of said handle and walls of the eye of said head having registering recesses therein, and a V-shaped spring member having an inner arm seated in the recess of the handle and an outer arm extending rearwardly out of the recess of the handle for engaging in the recess of the head when the handle is forced into the eye of the head and firmly holding the head upon the handle.

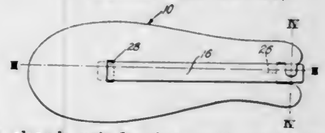
2,182,032
BEVERAGE DISPENSING APPARATUS
Oscar Muller, Newark, N. J., assignor of one-third to Raymond Babineau, Irvington, N. J.
Application April 24, 1939, Serial No. 269,743
3 Claims. (Cl. 62—99)

1. A beverage dispensing apparatus of the class described comprising a bar cabinet having a dispensing counter, an insulated compartment beneath the counter, the counter having an opening therein affording access to the compartment, a perforated metal cylinder arranged in an upright position in the compartment, a cooling coil surrounding the cylinder and a beverage container removably positioned in the cylinder



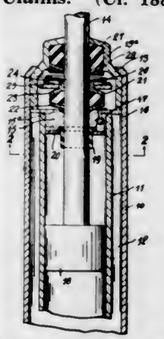
through the upper end thereof, said container having a flange at its upper end resting upon the counter and sealing the opening therein.

2,182,033
SHANK STIFFENER UNIT
William H. Nutt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 20, 1939, Serial No. 251,931
7 Claims. (Cl. 36—76)



1. A shank reinforcing unit comprising a reinforcing piece having in its forward end a notch from one side of which a tab extends inwardly, and a shank stiffener extending from the heel portion of said reinforcing piece forwardly between said tab and the rear side of said notch.

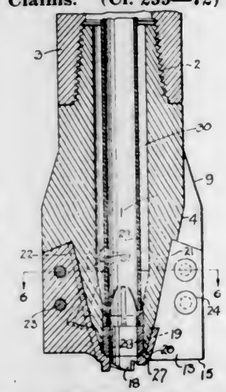
2,182,034
SHOCK ABSORBER
Peter-Franz Graf Bopp von Oberstadt, Cleveland, Ohio, now by judicial change of name Peter Bopp Oberstadt
Application June 26, 1937, Serial No. 150,598
In Germany December 22, 1936
3 Claims. (Cl. 188—88)



1. In a hydraulic direct acting shock absorber, an outer housing, a pressure cylinder arranged within said housing and having one of its ends terminating inwardly of an end of said housing to provide a chamber therebetween, a closure

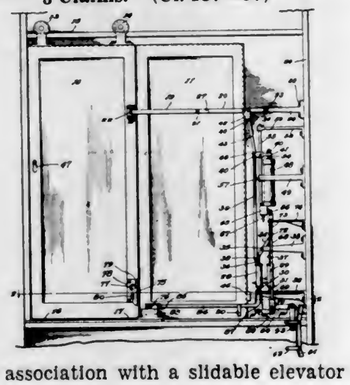
member for said end of said cylinder and having a central opening therethrough, a piston rod extending from the exterior of said housing through said chamber and opening into the interior of said cylinder, a piston adapted to be actuated by said rod for subjecting fluid in the cylinder to pressure, and a contractible sleeve projecting into said cylinder and pressure fluid and surrounding and tenaciously gripping said rod and carried by the inner side of said closure member.

2,182,035
DETACHABLE BLADE CORE BIT
Guy Purnell, Angleton, Tex.
Application July 5, 1938, Serial No. 217,346
4 Claims. (Cl. 255—72)



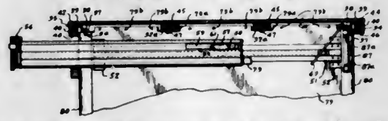
1. A drag core drill including a head tapered downward on the lower portion thereof, a plurality of radial wings on said head, an axial passage through said head, a cutting assembly shaped to fit over the lower end of said head, radial cutting blades on said assembly formed to fit against the forward sides of said wings, a core cutter connecting said blades and formed to fit against the lower end of said head, said core cutter and blades having a driving fit over the tapered end of said head, an inner annular seat in said core cutter to receive a core barrel, and means to secure said blades to said wings.

2,182,036
ELEVATOR SAFETY DOOR LOCK
Herbert Allen Rainey, Richmond, Va.
Application April 10, 1939, Serial No. 267,123
3 Claims. (Cl. 187—57)



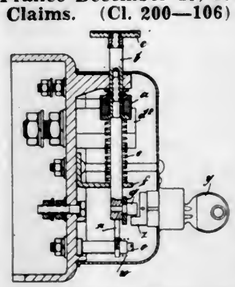
1. In association with a slidable elevator door a latch pivoted on the shaft face of the door near its bottom with means to limit its rotation and a stop for the latch mounted on the door sill comprising a fixed member provided with a slot having an inclined bottom and a movable member having a depending flange slidable in said slot, said flange having an inclined bottom and means for sliding the movable member with respect to the fixed member, whereby the height of said stop can be adjusted.

2,182,037
OFFICE FURNITURE
Fred A. Schmitz, Cincinnati, Ohio, assignor to Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application April 21, 1937, Serial No. 138,221
1 Claim. (Cl. 45—6)



In a metal desk comprising a pair of pedestals formed from structural elements welded together to form integral braced structures and covered with a finished sheet metal material of light gauge, a frame having an upwardly opening channel element fastened to said pedestals to space them and hold them together, and a desk top providing a writing surface and having elements adapted to fit within said channel elements fastened to its under side.

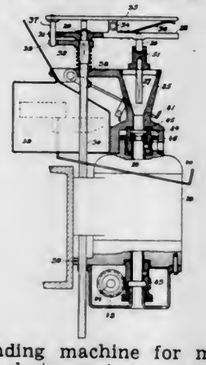
2,182,038
MAKE AND BREAK DEVICE
Georges Soulat, La Guerche sur l'Aubois, France
Application December 14, 1937, Serial No. 179,781
In France December 19, 1936
4 Claims. (Cl. 200—106)



1. A make and break device comprising at least one stationary contact, an elongated member, a contact carried by said member adapted to cooperate with each stationary contact, means for axially pushing the elongated member in the direction providing cooperation between said contacts, a spring urging the elongated member in the opposite direction, an electromagnet, an armature for said electromagnet, two stationary pivots, a pawl rotatably mounted on one of said pivots recessed at its shorter end and adapted to engage through the other the armature in its inoperative position and adapted to be disengaged when the electromagnet brings the armature in its operative position, a lever arm rotatably mounted on the second pivot, means for drivingly linking the elongated member with an intermediate point of the lever arm and means whereby the free end of the lever arm is adapted, when driven by the push exerted on the elongated

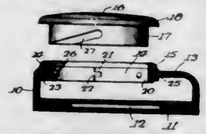
member, to engage the recess in the pawl and force said pawl into engagement with the inoperative armature.

2,182,039
WINDING MACHINE FOR MAKING LARGE SOFT COPS
Ernst Stiassni, Brunn, Czechoslovakia
Application August 20, 1938, Serial No. 225,916
In Czechoslovakia May 24, 1938
7 Claims. (Cl. 242—34)



1. In a winding machine for making large soft cops, an electro-motor, a casing therefor, a hollow drive shaft in said motor, a spindle extending through said shaft and driven thereby, and a funnel within which the cop is formed, said funnel being mounted coaxial with said spindle on the casing of said motor.

2,182,040
WATERPROOF CONTAINER
Reinhold J. Swanson, Chicago, Ill.
Application December 4, 1936, Serial No. 114,179
4 Claims. (Cl. 150—8)

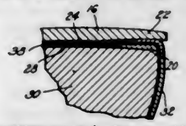


1. In combination, a receptacle of the class described formed of soft rubber and having a circular opening surrounded by an axially thickened integral rim having an annular channel in its inner face, a transversely split metallic liner for the rim having outstanding marginal flanges for engaging the channel and inner face of the rim and an annular series of instanding studs, a rigid cap for and being of greater diameter than the opening and having an annular instanding flange for interfitting the liner, and a series of helically disposed grooves for engaging the studs.

2,182,041
ALLOY
Arthur Szabo, New York, N. Y., assignor to Nobilium Products, Inc., Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application January 28, 1939, Serial No. 253,441
4 Claims. (Cl. 75—171)

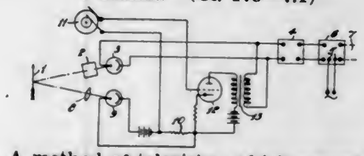
1. An alloy comprising cobalt about 55%, chromium about 28%, a metal chosen from the group comprising iron and nickel about 7%, a metal chosen from the group comprising platinum, palladium and iridium about 9%, tungsten about .50%, silicon about .20%, and carbon and impurities about .30%.

2,182,042
SHOE AND METHOD OF MAKING THE SAME
Arthur G. Timson, Nahant, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 22, 1935, Serial No. 2,942
Renewed April 29, 1939
24 Claims. (Cl. 12—142)



1. That improvement in methods of making shoes which comprises working a shoe upper into and securing it in lasted relation to a skeleton insole having an opening through its forepart surrounded by an inwardly tapered rand and providing a pliable filler piece covering the opening in said forepart, the marginal portion of said filler piece overlying the inner portion of the rand, and thereafter attaching to the shoe an outsole the inner face of which is complemental to the shoe bottom after the upper is secured in lasted position.

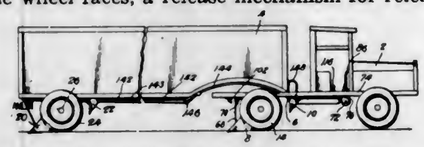
2,182,043
TELEVISION AND LIKE SYSTEM
George William Walton, Kensington, London, England
Application August 1, 1936, Serial No. 93,891
In Great Britain August 7, 1935
7 Claims. (Cl. 178—7.1)



3. A method of television which comprises deriving from an object picture currents representative of the details of said object, producing an alternating current modulated in amplitude in accordance with the changes in the average light intensity of said object, mixing said alternating current with said picture currents and transmitting them to a receiver, the frequency of said alternating current being such that it is incapable of producing a visible image at said receiver, utilizing a portion of the received currents to produce an image of said object, rectifying a further portion of said received currents and utilizing the rectified current to control the average light intensity of said image.

2,182,044
MECHANICAL WHEEL-BLOCKING DEVICE FOR VEHICLES
Chester W. Ackerman, Broadview Heights, Ohio
Application July 3, 1937, Serial No. 151,904
7 Claims. (Cl. 188—4)

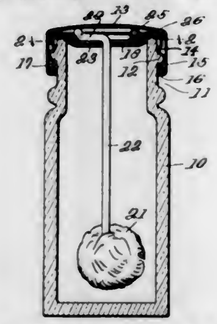
1. A mechanical wheel-blocking device for motor vehicles to arrest undesired movement thereof and to permit creeping action in the mounting of a hill where it is necessary to cut off the motor from time to time, which comprises a pair of wheel-blocking members having double curved surfaces to engage the corresponding wheel faces, buckling link means for suspending said members for operation adjacent the wheel faces from the axle-housing so as to permit swinging movement into and out of wheel-blocking position adjacent the wheel faces, a release mechanism for releasing the said members from retracted position into operating position so as to engage the road surface and to grip said surface in movement of the wheel in the direction of the said members without preventing wheel traction in a direction away from the said members whereby creeping action without slipping or movement in the undesired direction is obtained.



2,182,045
PROCESS OF WATERPROOFING FIBROUS MATERIAL
Edward B. Bell, Lowell, Mass., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 12, 1937, Serial No. 153,293
10 Claims. (Cl. 149—6)

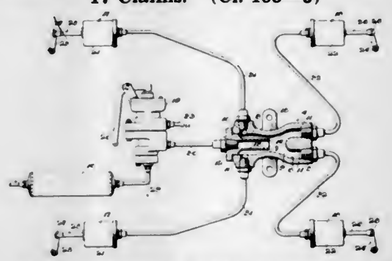
1. A process of waterproofing fibrous material, which comprises treating it with a solution of a salt of an amphoteric metal, a water-soluble soap, an alkaline solvent for the metallic soap, said solvent evaporating at a temperature which will not harm the material being treated, and a molecularly dehydrated alkali-metal phosphate, and evaporating the solvent to deposit the metallic soap.

2,182,046
DOUBLE SHELL CAP AND DAUBER
Lindsay Thorne Crabbe, Chicago, Ill., assignor to Phoenix Metal Cap Company, Inc., Chicago, Ill., a corporation of New York
Application April 29, 1938, Serial No. 205,080
4 Claims. (Cl. 91—67.2)



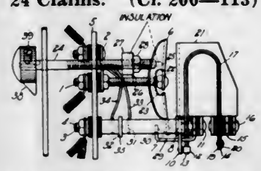
1. A container closure having a dauber associated therewith, comprising an inner shell having an end portion and a depending skirt adapted to engage the container, an outer shell enclosing said inner shell and having an end portion and a depending skirt turned inwardly around the edge of the skirt on said inner shell to prevent relative rotation between said shells, the end portion of said inner shell being provided with a depressed circular recess symmetrically spaced with respect to the center of the closure and having an opening through the inner shell at one end thereof and being closed at the opposite end thereof, and a wire dauber shank extending through the said opening and having the end portion thereof coiled and disposed in said circular recess with the end of the coiled end portion abutting against the closed end of said recess and maintained therein by said outer shell.

2,182,047
BRAKE MECHANISM
Wilfred A. Eaton, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application July 7, 1938, Serial No. 217,940
17 Claims. (Cl. 188—3)



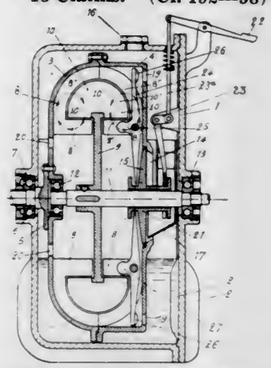
1. A fluid pressure brake system including a pair of brake actuators, conduits for supplying fluid pressure to each of said actuators, means for supplying fluid pressure to said conduits, and means for connecting said first named means with said conduits and responsive to the flow of fluid therethrough to one of said actuators for temporarily evacuating said other actuator and delaying the flow of fluid thereto.

2,182,048
ELECTRIC HEAT CONTROLLER
William B. Elmer, Winchester, Mass.
Application February 23, 1937, Serial No. 127,060
24 Claims. (Cl. 200—113)



1. In an adjustable periodic electric circuit controller, a snap acting member having a plurality of inherent curvatures about different axes and adapted to snap from one position of stability to another, a relatively fixed support for said member and about which it is adapted to be flexed, a thermostatic element responsive to current flow, a pair of contact members respectively associated with and adapted to be moved by said member and thermostatic element and arranged to be in contact when said member is in one position of stability and to be out of contact when said member is in another position of stability, interengaging means between said thermostatic element and member and through which said element moves said member to its several positions of stability, and means for varying the curvature of said member to thereby adjust the ratio of time during which said contacts are engaged and disengaged.

2,182,049
HYDRAULIC CLUTCH AND POWER TRANSMISSION DEVICE
Francois Joseph Georges Henry, Saint Loup, France
Application July 17, 1936, Serial No. 91,240
In France July 23, 1935
15 Claims. (Cl. 192—58)



1. A hydraulic clutch and power transmission device of the type described, which comprises, in combination, a driving shaft, a driven shaft, a casing containing a liquid, a pump wheel in the form of a closed drum provided with an orifice in its central part, mounted in said casing and coupled with said driving shaft, a turbine wheel journalled in said drum and coupled with said driven shaft, and gutter shaped means carried by said casing, for directing the liquid present in the annular space between said drum and said casing and driven by the outer surface of said casing toward said orifice.

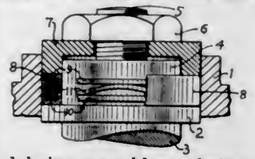
2,182,050
DEVICE FOR PACKAGING MEN'S COLLAR ATTACHED SHIRTS
Walter C. Krout, Charlotte, N. C.
Application June 13, 1938, Serial No. 213,546
5 Claims. (Cl. 206—7)



1. In a device for packaging men's collar attached shirts, the combination of a shirt board comprising two panels disposed in different planes, and connected by a third panel for insertion between faced shirts of a pair; a spacing element comprising a frame extended from one of said panels; and a second spacing element comprising a frame extended from the other of said panels, said frames extending in opposite directions with respect to one another and being inserted within the collar openings of the shirts respectively.

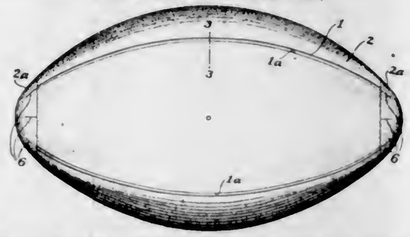
2,182,051
CLOSING STRUCTURE
Walter Kurth, Grantwood, N. J.
Application April 5, 1934, Serial No. 719,202
In Germany April 8, 1933
11 Claims. (Cl. 286—1)

1. Joint closing structure comprising a circular flexible body associable with an axially extending face, and a circular flexible arming, said body being in coherence all around the periphery of said arming and in all around contact with the peripheral face of said arming throughout the peripheral extent of said arming, said arming being wave-shaped in the direction of its axis in peripheral direction all around a circle and forming thereby inclined elements in anticlinal



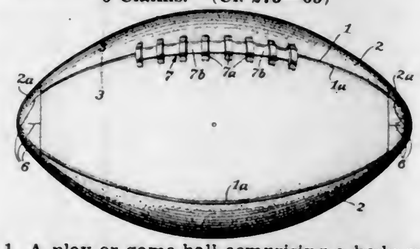
formation and being capable of being flattened and radially enlarged thereby for outward expansion of said body throughout the zone of contact of said body and arming when said arming is subjected to pressure exerted in a direction parallel to its axis.

2,182,052
PLAY OR GAME BALL
Milton B. Reach, Springfield, Mass.
Application November 30, 1937, Serial No. 177,326
6 Claims. (Cl. 273—65)



3. In a play or game ball, a body portion, a ridge portion thereon, and projecting outwardly from the body portion, said ridge portion having a channel in its outer face extending longitudinally thereof, and a covering layer having edges substantially abutting the sides of said channeled ridge portion, said channel being exposed between the edges of said covering layer and extending inwardly within the outer surface of the covering layer.

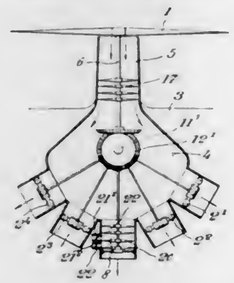
2,182,053
PLAY OR GAME BALL
Milton B. Reach, Springfield, Mass.
Application January 14, 1938, Serial No. 185,037
6 Claims. (Cl. 273—65)



1. A play or game ball comprising a body portion and a raised portion thereon in the form of a simulated lacing simulating the appearance and feel of an actual lacing to aid in gripping the ball for passing or throwing, said simulated lacing raised portion being substantially continuous from end to end and comprising transverse raised members joined by intermediate raised members, the side edges of which are disposed

inwardly of the ends of the transverse raised members, and a covering surface layer having edges substantially abutting the sides of said continuous simulated lacing raised portion, the edges of said covering layer at either side of said simulated lacing raised portion being notched to conform to the edges of said transverse and intermediate raised members, said simulated lacing raised portion being supported entirely by said body without dependence upon said covering surface layer for support, all strains exerted by or through the lacing raised portion as in gripping the ball being transmitted directly to the body, said covering surface layer being free from such strain.

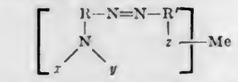
2,182,054
AIR COOLED ENGINE ON AIRCRAFT
Paul Aimé Richard, Clichy, France
Application March 19, 1937, Serial No. 131,947
In France March 24, 1936
4 Claims. (Cl. 244—53)



1. In an aircraft, a wing structure provided with at least one housing therein, propelling means for said aircraft, at least one air cooled engine for driving said propelling means mounted in said housing, a conduit in said wing connecting the front part of said housing with the atmosphere opening at the front part of said wing structure, compressing means in said conduit for forcing air into said housing, passages at the rear of said housing for the escape of air fed through said conduit to said housing, whereby an air circulation is established through said housing for cooling said engine, and air driving means in said outlet passages for facilitating the outflow of air from said housing through said passages.

2,182,055
AZO DYESTUFF HEAVY METAL COMPLEX COMPOUNDS
Hugo Schweitzer, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 11, 1935, Serial No. 10,587. In Germany March 17, 1934
10 Claims. (Cl. 260—147)

1. Azo dyestuff heavy metal complex compounds of the general formula:



wherein R stands for the radical of a diazotization component of the benzene series, R′ stands for the radical of an azo dyestuff coupling component, *x* and *y* stand for a member of the group consisting of hydrogen, alkyl, and acyl, *z* stands for a member of the group consisting of the hydroxy and the maino group, the grouping



and the letter *z* standing in o-position to the azobridge, and Me means a heavy metal, those bearing a solubilizing group generally yielding dyeings of very good fastness properties, while those insoluble in water are valuable pigments.

2,182,056
PROCESS FOR MANUFACTURING SEBACIC ACID
Herman A. Bruson and Lloyd W. Covert, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application August 13, 1937, Serial No. 158,912
16 Claims. (Cl. 260—398)

1. A process of manufacturing sebacic acid which comprises heating a functional derivative of ricinoleic acid with a member of the group consisting of alkali metal hydroxides and alkali metal carbonates in aqueous solution at a temperature above 175° C. and under superatmospheric pressure at least equal to the vapor pressure of the reaction mixture at the temperature used.

2,182,057
SHIFTING CARRIAGE FOR RAILS AND THE LIKE
Louis Philippe Chicoine and Elzear Sauvë, Vaudreuil, Quebec, Canada
Application November 25, 1935, Serial No. 51,548
3 Claims. (Cl. 105—144)

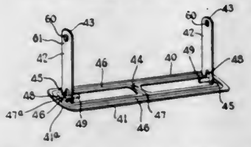


1. A rail handling device comprising a carriage, a plurality of spaced apart anti-friction devices mounted adjacent both edges of one face of the carriage, extending at right angles to the plane thereof and adapted to engage the sides of the head of a standard type rail on which the device may be mounted, a plurality of further anti-friction devices extending parallel to the plane of the carriage and adapted to engage the top of a rail on which the device may be mounted, and a support freely rotatable on a vertical axis on the face of the carriage opposite that from which the anti-friction devices extend.

2,182,058
PAPER FASTENER
Oscar A. Ross, New York, N. Y.
Original application June 26, 1933, Serial No. 677,574, now Patent No. 2,037,270, dated April 14, 1936. Divided and this application April 13, 1936, Serial No. 73,987. Renewed October 26, 1939
15 Claims. (Cl. 24—153)

1. In a base member for paper fasteners, an elongated sheet metal base, a pair of inwardly facing fingers formed from the base body spacedly between the edges thereof and spacedly between the ends thereof, longitudinal reenforcing portions formed in the base adjacent the lon-

gitudinal edges thereof, other reenforcing portions extending transversely of the base portions beyond the fingers, the longitudinal and transverse reenforcing portions being joined to-



gether to form a continuous reenforcement surrounding the fingers, and locking projections on each end portion of the base member arranged to be bent for securing said member to a binder or folder.

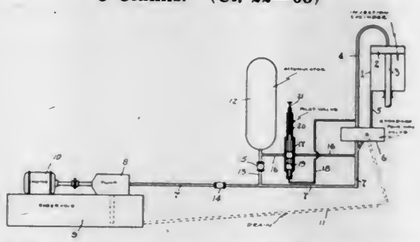
2,182,059

APPARATUS FOR THE APPLICATION OF INJECTION PRESSURE IN PRESSURE CASTING MACHINES

William H. Schwartz, Cleveland, Ohio, assignor to Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application December 2, 1937, Serial No. 177,723

5 Claims. (Cl. 22—68)



5. In a pressure casting machine having means for injecting material in the die cavity of said machine, a pressure supply source connected to said material injecting means, the combination of a pressure storage means connected to said pressure supply source, and valve means for connecting said pressure storage means to said material injecting means, said valve means being actuated by the pressure delivered to said material injecting means from said pressure supply source.

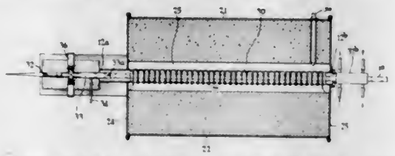
2,182,060

APPARATUS FOR TREATING STRIP STEEL

Aaron Simon, Brooklyn, N. Y., assignor to Triangle Mechanical Laboratories Corp., New York, N. Y., a corporation of New York

Application June 18, 1937, Serial No. 148,874

1 Claim. (Cl. 266—3)



In an apparatus for treating a strip steel of the character described, a muffle adapted to have a steel strip led therethrough to be heated to a predetermined degree of temperature, said muffle having an open end portion projecting outside of said furnace, a source of steam supply, and means for introducing steam from said source of supply into said muffle at said projecting open end, said last named means comprising a flattened tubular nozzle received within said muffle and having a drain outlet disposed outside of said muffle.

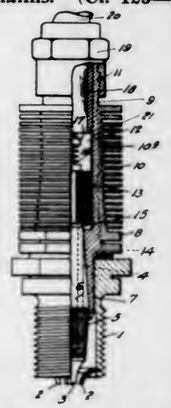
2,182,061

SPARK PLUG

Harry P. Sparkes, West Orange, N. J.

Application September 29, 1938, Serial No. 232,283

4 Claims. (Cl. 123—169)



1. In a spark plug, a body portion adapted to be fastened into an opening in the engine, one or more electrodes mounted on the said body portion, a central electrode mounted in the said body portion, and a finned radiating jacket of high thermal conductivity fused to the said body portion.

2,182,062

PUMP

Charles W. Sproull, Houston, Tex.

Application July 9, 1934, Serial No. 734,283

4 Claims. (Cl. 103—46)



1. A deep well pump comprising a cylinder having a valve controlled inlet and a valve controlled outlet, said pump having a conduit for the discharge of the pumped liquid in communication with the outlet and also having a conduit for an operating fluid, a displacement plunger arranged to work in the cylinder, a motor clyinder, a piston in the motor cylinder attached to the plunger, a stem slidable through the piston, said motor cylinder being connected with the operating fluid conduit on opposite sides of the piston, upper and lower valve cylinders in alignment, a master valve in the upper valve cylinder, for controlling the application of the operating fluid to the piston to reciprocate the plunger, a pilot valve fixed to the stem and working in the lower valve cylinder, the longitudinal axes of the pump, motor, and valve cylinders being in vertical alignment one above another and the valves being movable along such axes, said lower valve cylinder being provided with an inlet for the operating fluid and spaced outlets for the operating fluid arranged to conduct said fluid to the master valve, said pilot valve including pistons in the lower valve cylinder movable to connect the outlets alternately with the inlet, whereby the application of the operating fluid to the master valve to effect its reversal is controlled, said pilot valve cylinder having a relief port at each end.

2,182,063

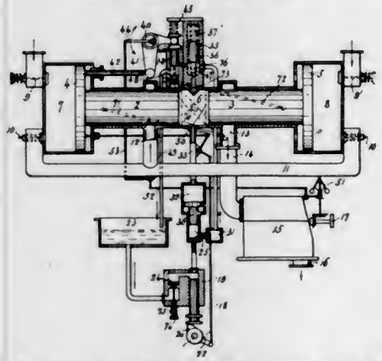
CONTROL SYSTEM FOR FREE STROKE PISTON ENGINES

Hans Steiner, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland

Application April 2, 1936, Serial No. 72,359

In Switzerland April 3, 1935

14 Claims. (Cl. 60—13)



1. A control system for the supply of fuel to free stroke piston internal combustion engines having a power piston, said system including fuel by-pass means, connecting means adapted to operatively connect said power piston and said by-pass means whenever said piston approaches the end of its compression stroke, whereby the operation of said fuel by-pass means is controlled in dependence on the position of said free stroke power piston at the end of its compression stroke.

2,182,064

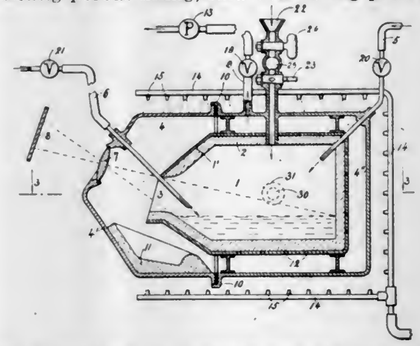
APPARATUS FOR TREATING MATTERS IN HOT LIQUID STATE

Adolf Vogt, Kraftborn, near Breslau, Germany, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany, a corporation

Original application October 31, 1935, Serial No. 47,618. Divided and this application June 9, 1937, Serial No. 147,372. In Germany November 23, 1934

2 Claims. (Cl. 266—34)

1. An apparatus for treating hot molten materials with a gas at low pressure comprising a container having an opening and a closed casing surrounding said container, said container having walls made of nonporous material, said walls being lined internally with a high temperature resisting porous lining, said walls being provided



with a plurality of openings whereby the air or gas contained in the lining escapes through said openings into the outer space enclosed by said casing.

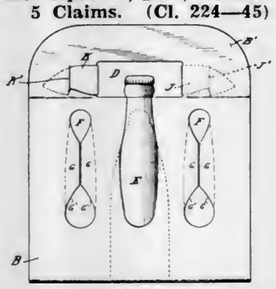
2,182,065

CONTAINER

Otey Y. Warren, Roslyn Estates, N. Y.

Application April 17, 1937, Serial No. 137,386

5 Claims. (Cl. 224—45)



1. A blank for portable bottle carriers comprising a side wall provided with a pair of vertically spaced openings and a slit between the openings forming a pair of oppositely disposed flaps disposed between said pair of openings, said flaps adapted to be swung inwardly to merge the said openings into a single opening to be occupied by the bottles, and said flaps being adapted to form gripping surfaces for the bottle when the latter is positioned in said single opening.

2,182,066

ELECTRIC SHAVER AND SHEARING BLADE THEREFOR

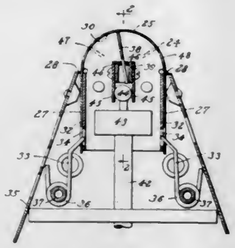
John Bruecker, Chicago, Ill.

Application May 20, 1937, Serial No. 143,754

5 Claims. (Cl. 30—43)

1. In a shaver, a cutting head of extreme thinness to present a skin-engaging part provided with a plurality of hair-receiving apertures, a cutter, means for rapidly oscillating the cutter, and means for supporting the cutter in such manner as to exert during its movement pressure against that arcuate surface of the extremely thin cutting head which is directed away from the skin to produce a rapid shearing action in cooperation with the edges of the hair-receiving apertures, said apertures being confined to a given zone, the cutter being so supported and operated that it traverses said zone and at each end of the

oscillating stroke its cutting edge is disposed beyond said zone over an unperforated part of the



cutting head, and hair discharging openings contiguous to the outer end of each said unperforated part.

2,182,067

PROCESS OF MANUFACTURING A SHAVING TOOL

John Bruecker, Chicago, Ill.

Original application May 20, 1937, Serial No. 143,754. Divided and this application February 8, 1938, Serial No. 189,573

11 Claims. (Cl. 76—104)



1. The method of making a comb for a shaver of the character described comprising punching perforations in a strip of extremely thin spring metal, and lapping the cutting side of the perforated portion while said portion is flexed in an arc approximating that which it occupies in cooperation with **a cutter.**

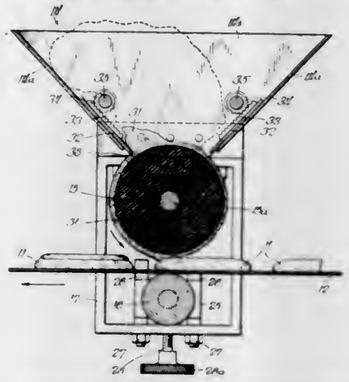
2,182,068

APPARATUS FOR COATING FOOD PRODUCTS

John Clark, Chicago, Ill., assignor to Consolidated Biscuit Company, Chicago, Ill., a corporation of Illinois

Application September 11, 1937, Serial No. 163,432

9 Claims. (Cl. 91—2)



5. In apparatus for coating food products and the like, the combination of a receptacle for holding the coating material, means for conveying the food products into proximity to said receptacle, a coating roll for transferring the coating material from said receptacle to said food products by direct contact with the latter, said coating roll and said receptacle being so arranged that said roll is capable of receiving the same amount of coating material from said receptacle in either direction of rotation of said roll, and means for transmitting a reversible drive to said coating roll for rotating the latter in either direction.

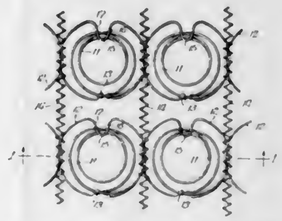
2,182,069

SPRING CUSHION

Nicholas Contino, Chicago, Ill., assignor to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware

Application October 15, 1937, Serial No. 169,243

4 Claims. (Cl. 5—256)



1. A tapered coiled-wire spiral-spring having an end-ring and a convolution of lesser diameter adjacent thereto, the terminal portion of the wire forming said end-ring being knotted about the adjacent portion of the spring, characterized in that the part of the wire constituting the end-ring substantially opposite said knot is distorted inwardly sufficiently from the normal circular curvature of, and in the plane of, said end-ring to overlap said convolution of lesser diameter, said distorted part of said end-ring being of such shape and size as to afford it sufficient resistance to deflection out of the plane of said end-ring that upon engagement of said lesser-diameter convolution with said part when the spring is compressed under load said part prevents such convolution of lesser diameter from projecting through said end-ring and thereby assists in maintaining the upright position of the spring in service.

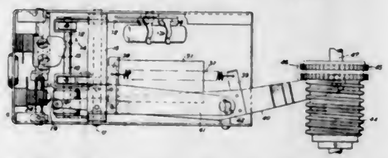
2,182,070

SWITCHING SYSTEM AND APPARATUS THEREFOR

George R. Crane, Santa Monica, and Byron B. Hayworth, Burbank, Calif., assignors to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware

Application May 22, 1937, Serial No. 144,234

10 Claims. (Cl. 179—100.3)



1. A sound film recording device including a film supporting and translating member, means to direct a sound modulated light beam onto a film, a shutter for intercepting said beam, film marking means, circuits therefor, a sequence controlling switch, and electromagnetic means to actuate said switch to disable the circuits of said film marking means, to close a circuit to control

the opening of said shutter after a measured time interval, to open said last-mentioned circuit after a further time interval, and means to maintain said switch in operated position.

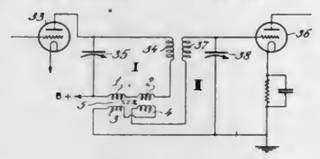
2,182,071

ADJUSTABLE COUPLING SYSTEM

Alfred Crossley, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application August 12, 1937, Serial No. 158,695

9 Claims. (Cl. 178—44)



9. In a selective high-frequency system including first and second resonant circuits each having inductance and capacitance and having coupling therebetween, means for providing additional inductive coupling between said circuits and for varying the degree and controlling the sense of said additional inductive coupling relatively to said first-mentioned coupling, while maintaining the total effective inductance in each of said circuits substantially constant, comprising first and second windings respectively in series with the inductance and capacitance in said first and second circuits and each having two coils, the coils of said first winding being connected in series-aiding relation, the coils of said second winding being connected in series-opposing relation, the first coils of said windings and the second coils of said windings being arranged closely adjacent in pairs wound in spaced relation upon an insulating tube, and a ferromagnetic core positioned within said tube and movable relatively to said windings.

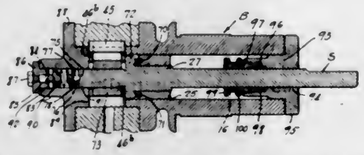
2,182,072

ROTARY PUMP

Walter Czarnecki, Eddington, Pa., assignor to Eddington Metal Specialty Co., Eddington, Pa., a firm composed of Walter Czarnecki, Sr., Mary Czarnecki, Nellie Wojsowski, Wesley Czarnecki, Stanley Czarnecki, Walter V. Czarnecki, Jr., and Casimer Czarnecki

Application October 11, 1937, Serial No. 168,336

3 Claims. (Cl. 103—136)



1. A rotary pump of the character described comprising a main body part formed with a bore, said main body part having an extension formed with a bore that is eccentric to the bore in the main body part, a shaft extending through the said bores, the shaft being eccentrically mounted with respect to the bore in the main body part, a packing assembly located at the free end of the extension for effecting a seal about the shaft, a bushing in the extension adjacent to the main body part, said bushing being interposed between the shaft and the wall of the extension defining the bore, said bushing being formed with a groove on the face adjacent to the main body part, a sealing ring in said groove, the shaft being formed with a ring-like flange engaging said sealing ring, a rotor drivably carried by the shaft and disposed in the bore of the main body part, said rotor having a plurality of spirally disposed grooves, and correspondingly spiralled vanes in said grooves.

2,182,073

HORMONE

Wilhelm Dirscherl, Frankfort-on-the-Main, Germany, assignor to Rare Chemicals, Inc., Nepara Park, N. Y., a corporation of New York

No Drawing. Application August 12, 1936, Serial No. 95,713. In Switzerland August 16, 1935

2 Claims. (Cl. 167—74)

1. A male acting sexual hormone comprising an extract of a wax-like raw material obtained from tree barks containing a sterol type alcohol of the group consisting of cinchol, cupreol, quebrachol and rhamnol, said extract having specific activity on the seminal vesicle of the mouse equal to one M. U. in not more than 100γ when tested according to Loewe and Voss, but having substantially no activity upon a capon's comb.

2,182,074

HORMONE

Wilhelm Dirscherl, Frankfort-on-the-Main, and Josef Kraus, Mannheim, Germany, assignor to Rare Chemicals, Inc., Nepara Park, N. Y., a corporation of New York

No Drawing. Application August 12, 1936, Serial No. 95,714. In Germany August 16, 1935

2 Claims. (Cl. 167—74)

1. A male acting sexual hormone comprising an extract of isocholesterol, said extract having specific activity on the seminal vesicle of the mouse equal to one M. U. is not more than 100γ when tested according to Loewe and Voss, but having substantially no activity on a capon's comb.

2,182,075

WATER SOLUBLE DERIVATIVES OF P-AMINOBENZENESULPHONAMIDE

Joseph Ebert, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Original application September 15, 1937, Serial No. 163,915. Divided and this application July 23, 1938, Serial No. 221,007

9 Claims. (Cl. 260—501)

1. As new compounds, salts of p-aminobenzenesulphonamide with aromatic sulphonic acids selected from the group consisting of phenolsulphonic acid, benzenesulphonic acid and sulphosalicylic acid.

2,182,076

VISCOUS DAMPENER

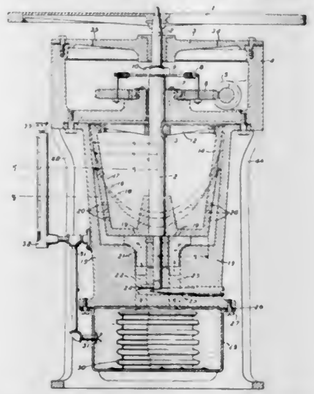
Lloyd A. Elmer, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 31, 1937, Serial No. 161,756

11 Claims. (Cl. 188—90)

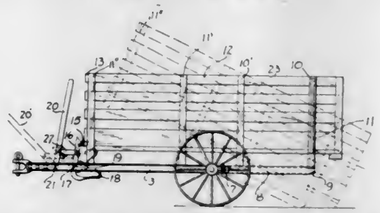
1. A viscous resistance dampener for suppressing momentary deviations from a sustained uniform velocity of a rotating member, said dampener including nested rotating and stationary cup-shaped members one within the other, damping fluid in engagement with both inner

and outer walls of said inner cup-shaped member, and means for altering the effective surface



area of the dampener responsive to velocity variations.

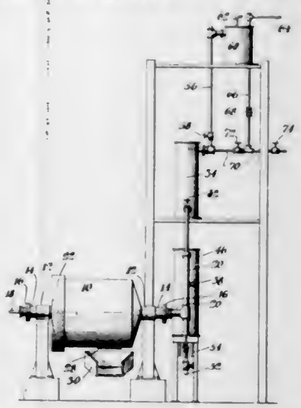
2,182,077
DUMP TRAILER
Alexander Feigelson, Beaumont, Tex.
Application July 26, 1937, Serial No. 155,647
1 Claim. (Cl. 298—5)



An axle, wheels thereon, a channel iron frame including two side members converging forwardly, said side members having short projections rearwardly of said axles, frame extensions pivoted to said projections and in the same plane therewith, a load carrying box mounted rigidly upon said extensions and overlying said frame with the floor thereof spaced above said frame and projecting to the rear of said extensions, said box having sides spaced comparatively wide apart at the rearward end and converging toward the forward end, whereby a load will overbalance it at the rearward end while it will assume a level position by its own weight when unloaded, means to latch said box to said frame, said latching means being releasable to dump a load.

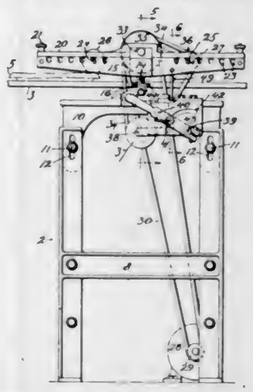
2,182,078
PRODUCTION OF AMMONIA FROM AMMONIUM SULPHATE
Edward P. Fleming, Salt Lake City, Utah, and Melville F. Perkins, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application September 28, 1936, Serial No. 102,910
2 Claims. (Cl. 23—193)

1. The process for obtaining pure, concentrated aqua ammonia from ammonium sulphate crystals which comprises grinding the crystals with lime and water in a gas-tight closure, the water being in amount insufficient to dissolve the bulk of the crystals continuously passing steam into direct contact with the reacting materials in the closure and withdrawing ammonical vapors there-



from, rectifying the said vapors and condensing the enriched vapors to yield the desired aqua ammonia.

2,182,079
PIE TRIMMING MACHINE
George S. Frost, deceased, late of Baldwin, N. Y., by Theodora B. Frost, executrix, Baldwin, N. Y.
Application January 24, 1938, Serial No. 186,613
9 Claims. (Cl. 107—1)



1. In a machine for trimming pies, including a support along which pie plates are conveyed, fixed supports extending longitudinally of the opposite sides and above said support, a roller rotatably mounted on said supports intermediate the ends thereof and arranged in relation to the support as to roll against the flanges of pie plates as they are moved along the support to trim the dough around the same, a guide roller rotatably mounted on said supports in advance of said trimming roller arranged to be normally out of contact with pie plates conveyed along the support and adapted to be engaged by and prevent excessive tilting of the pie plates while acted upon by said trimming roller, and a guide roller rotatably mounted on said supports at the following side of the trimming roller to be engaged by and prevent excessive tilting of the pie plates while acted upon by said trimming roller.

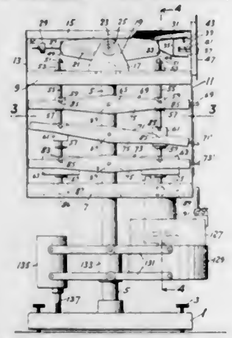
2,182,080
WOOD-PRESERVING COMPOSITION
Ira Hatfield, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 27, 1937, Serial No. 181,989
9 Claims. (Cl. 134—78.6)

1. A non-blooming liquid coating and impregnating composition for the treatment of wood and similar cellulosic materials to protect them from attack and decay by molds and micro-organisms, comprising a chlorinated phenol dissolved in a solvent therefor in sufficient concentration to provide, when applied to wood and similar cellulosic materials, substantial protection from attack and decay by molds and microorganisms, and having dissolved in said solvent a resinous substance that is soluble in said solvent and that is compatible with the mixture in sufficient concentration to prevent blooming on wood and similar cellulosic materials treated with the liquid composition.

2,182,081
WOOD-TREATING COMPOSITION
Ira Hatfield, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 10, 1939, Serial No. 272,784
8 Claims. (Cl. 134—78.6)

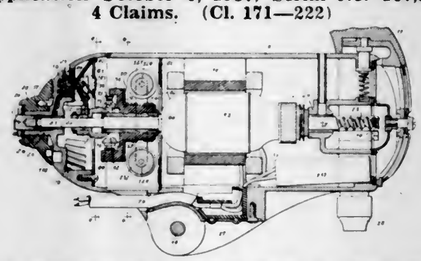
1. A non-blooming liquid coating and impregnating composition for the treatment of wood and similar cellulosic materials to protect them from decay by molds and micro-organisms, comprising a chlorinated phenol dissolved in a solvent therefor in sufficient concentration to provide, when applied to wood and cellulosic materials, substantial protection from attack and decay by molds and micro-organisms and having a rosin ester dissolved in said solvent in sufficient concentration to prevent blooming on wood and similar cellulosic materials treated with the liquid composition.

2,182,082
VISCOSIMETER
Harold P. Hayden, Sewaren, and Herbert E. Schweyer, Rahway, N. J., assignors to Barber Asphalt Corporation, a corporation of New Jersey
Application June 23, 1937, Serial No. 149,906
9 Claims. (Cl. 265—11)



1. A viscosimeter comprising a pair of coaxial cylinders, the outer of which is hollow, whereby an annular space is provided between the cylinders to receive a sample of viscous material to be tested, a frame, means for retaining the outer cylinder in fixed position with reference to said frame, a balance arm pivotally mounted in said frame, rods dependent from each end of said balance arm, means for applying variable loads to either of said rods, and means connecting one of said rods to said inner cylinder so that movement of said rods will move said cylinder along the common axis of the two cylinders.

2,182,083
MIXER MOTOR UNIT
Ivar Jepson and Paul A. Chamberlain, Chicago, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application October 6, 1937, Serial No. 167,543
4 Claims. (Cl. 171—222)

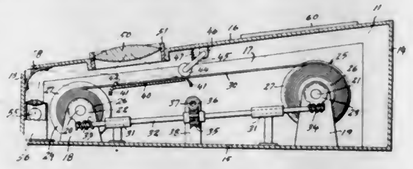


2. The combination in a motor driven household appliance of a motor having an armature and an armature shaft, centrifugal governor means for the motor comprising a frame member positioned on said shaft adjacent the armature having at least a pair of relatively movable centrifugally operated contacts for controlling the flow of current to the motor, and a cylindrical hub portion provided with at least a pair of spaced contact rings, said contacts and rings being conductively connected, brackets of electrically conductive material on opposed sides of said shaft in the plane of said hub portion, said brackets having resilient supporting flanges provided intermediate their ends with a slot, a resistor conductively supported on and between said flanges at one end thereof, a condenser conductively supported on and between said flanges at the opposite end thereof, said brackets having a second flange, said second flange having a slot, and brush mechanism for engaging said rings comprising brush holders received in said slots for lateral support and conductive contact, the holders having means for abutting one of said flanges to limit movement thereof radially away from the rings, brushes in said holders, and means acting between the brushes and the holders to urge the brushes against the rings and the holders into said slots, and switch means carried on one of said brackets comprising a pin of conductive material adapted to be connected to a source of power and insulated from said bracket, a spring pressed switch lever on said bracket positioned to engage said pin to close a circuit through said pin and said bracket and a sleeve of insulation material on said pin supported for normal movement on the pin to a position between the pin and lever to open the circuit.

2,182,084
EDUCATIONAL DEVICE
Walter Keilwagen, Milwaukee, Wis.
Application January 23, 1939, Serial No. 252,406
3 Claims. (Cl. 40—95)

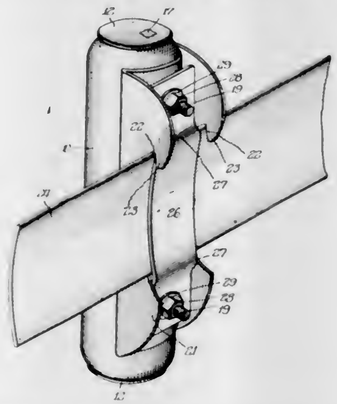
1. An educational device of the character described comprising a horizontal cabinet includ-

ing a base, side walls, front and rear walls with the latter of greater height than the former and a forwardly and downwardly inclined top, longitudinally spaced front and rear vertical reel supports mounted on the base of said cabinet with said rear support being of a greater height than said front support, a reel detachably mounted on a reel spindle carried by each reel support for rotative movement therewith and a band carrying printed or pictorial matter or both wound on one reel and adapted to be unwound therefrom and wound on the other reel, that portion of the band bridging said reels being inclined downwardly and forwardly in parallel relation to said cabinet top, manually operated



driving means connected with both said reel spindles whereby to simultaneously rotate said reels in the same direction to affect said winding and unwinding of said band, adjustable lens means provided on said cabinet top arranged with reference to said inclined band portion as to permit the viewing of only a part thereof adjacent the reel on the front reel support, electric light means mounted on said base between the front wall and front reel support adapted to project a beam of light vertically towards said top, and reflecting means mounted at the corner of said front wall and top adapted to reflect said light onto said part of the inclined portion of said band whereby to illuminate the same.

2,182,085
SHOCK ABSORBER FOR AUTOMOBILES
John E. Kellner and Emery Kellner, Chicago, Ill.
Application November 4, 1937, Serial No. 172,690
7 Claims. (Cl. 293—55)



1. A shock absorber of the class described, comprising a tubular rubber buffer member, an attaching bracket, means for holding the buffer member in associated relation with the attaching bracket, oppositely-arranged hooked members marginally-mounted on the attaching bracket for engaging a bumper bar for holding the attaching bracket in suspended relation with respect to said bumper bar, and means for locking the attaching bracket to said bumper bar.

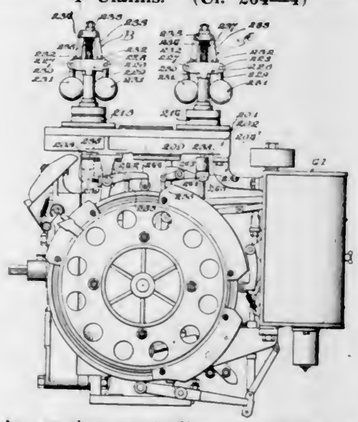
2,182,086
COLLOIDAL MINERAL MATTER
Charles E. Kraus, Sparks, Md.
No Drawing. Application July 13, 1937, Serial No. 153,380
5 Claims. (Cl. 252—6)

5. A jellylike oil and water colloidal suspension of aluminum silicate produced by agitating together naturally occurring colloidal amorphous aluminum silicate naturally impregnated with mineral oil, in which the colloidal properties of the aluminum silicate are masked and the mass cannot be deflocculated by mechanical grinding in water, with an aqueous solution of an electrolyte at a temperature of the order of 190° F., modifying the natural association of the oil and aluminum silicate so that the reaction mixture assumes a jellylike form on cooling, and cooling the mixture.

2,182,087
LUMINESCENT MATERIAL
Humboldt W. Leverenz, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Original application March 19, 1937, Serial No. 131,862. Divided and this application August 28, 1937, Serial No. 161,529
4 Claims. (Cl. 250—81)

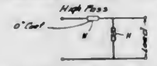
1. A luminescent material consisting of manganese activated beryllium germanate of the first sub-group of the fourth group of the periodic system.

2,182,088
CONTROLLER
Henry H. Logan, Chicago, Ill.
Application December 2, 1936, Serial No. 113,770
4 Claims. (Cl. 264—4)



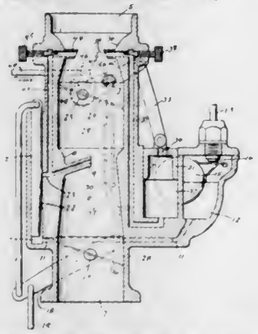
1. An engine controller comprising a shaft driven in synchronism with said engine, a pair of centrifugal governors having predetermined curves of operation, means for driving said governors in synchronism with said shaft at different speeds to provide a substantial overlapping of said curves of operation whereby the mean of one of said curves of operation is reached at one speed and the mean of the other of said curves of operation is reached at another speed of said shaft.

2,182,089
FREQUENCY DEPENDENT DAMPING NETWORK
Holger Lueder, Berlin-Friedenau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application February 20, 1937, Serial No. 126,786
In Germany February 22, 1936
10 Claims. (Cl. 178—44)



7. A damping network comprising a series resistor, a parallel resistor, input terminals connected to a variable frequency alternating current source, and output terminals connected to a load having a variable frequency response characteristic, at least one of said resistors having a relatively high temperature coefficient and a frequency-dependent damping characteristic and being relatively non-reactive.

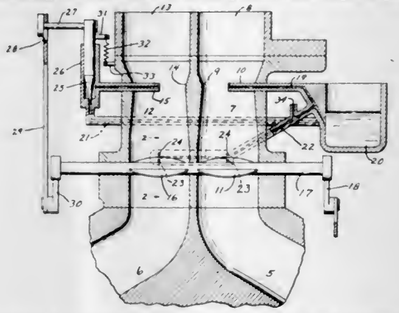
2,182,090
CARBURETOR
Marion Mallory, Detroit, Mich.
Application October 21, 1936, Serial No. 106,917
4 Claims. (Cl. 261—52)



1. A carburetor comprising a fuel mixture chamber with a venturi having a fuel inlet, an air inlet, and an outlet adapted to be connected to an engine intake manifold, a main throttle valve controlling said outlet, an unbalanced valve controlling the air inlet, a dashpot tending to retard the opening of the unbalanced valve, means for closing both valves in unison, said means serving to open the throttle valve but being out of operative relationship with the unbalanced valve during opening movement of the throttle valve, another venturi on the atmospheric side of the unbalanced valve, and a passage connecting the dash pot to the last mentioned venturi, whereby suction through the said venturi tends to accelerate the movement of the piston as the unbalanced valve opens.

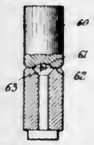
2,182,091
CHARGING DEVICE FOR INTERNAL COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application November 29, 1937, Serial No. 177,143
9 Claims. (Cl. 123—52)

1. In a charging device for multi-cylinder engines, two mixing chambers adapted to be connected to two different sets of cylinders, a throttling device including valves for the respective chambers, means for supplying like fuel charges to the respective chambers when the throttling device is in idling or wide open posi-



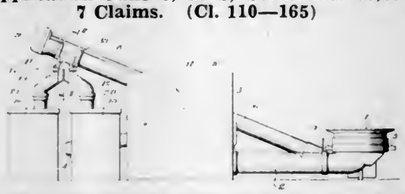
tion and for supplying more fuel to one chamber than to the other when the throttling device is in an intermediate position.

2,182,092
SCREW AND THE METHOD OF MAKING SAME
Theodor A. O'Leary, New York, N. Y., assignor of one-third to Winslow Foster and one-third to Herman Wunderlich, both of Brooklyn, N. Y.
Application April 21, 1936, Serial No. 75,611
5 Claims. (Cl. 10—10)



1. The method of forming a screw head which consists in supporting a blank in a die, striking the head portion with a combined heading and slot forming punch and then striking the central portion of the formed, slotted head with an upsetting punch to cause the upper central portions of the side walls of the slot to converge inwardly.

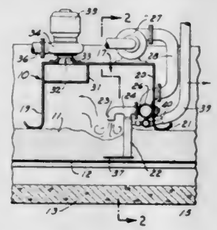
2,182,093
ASH DISPOSAL MEANS
Gordon M. Peltz, Lancaster, Pa., assignor to Henry M. Brooks, New York, N. Y., William Tudor Gardiner, Boston, Mass., and Jacob H. Nissley, Manheim, Pa., as trustees
Application June 3, 1936, Serial No. 83,297
7 Claims. (Cl. 110—165)



1. The combination with at least one ash can and means for burning solid fuel and delivering resulting ashes for said can, said means including a conduit and a screw conveyor in said conduit and said conduit being open for the escape of ash therefrom, of a dividing wall means at said opening providing more than two escape passages for ash at its sides, said can being located to receive ashes from one of said escape passages and said wall means being so located that a vertical line from the top thereof lies

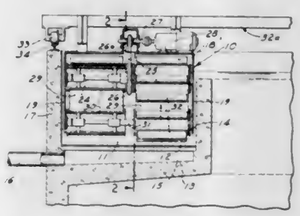
substantially in the vertical plane containing the axis of said screw, and the top of said wall means being at a lower level than the bottom of said conduit adjacent the escape opening.

2,182,094
FILTER BED CLEANING
Francis L. Pruyn, Sea Girt, N. J.
Application September 24, 1938, Serial No. 231,585
9 Claims. (Cl. 210—128)



1. In a filter bed cleaner adapted for movement over the granular bed of a downward flow filter for liquids, the combination with a caisson having an open bottom engaging the upper surface of said bed, a plurality of hollow raking devices extending from the interior of said caisson downwardly through the granular material to the lower part of the filter bed beneath the caisson, each of said devices having an inlet at its lower end and an outlet above the upper surface of the bed, means for passing granular material from the filter bed upwardly through said devices and discharging it into said caisson, and means for removing dirty liquid from the caisson, of baffle means at the lower ends of said devices to control the movement of granular material to said inlets.

2,182,095
FILTER BED CLEANING
Francis L. Pruyn, Sea Girt, N. J.
Application September 29, 1938, Serial No. 232,393
8 Claims. (Cl. 210—128)



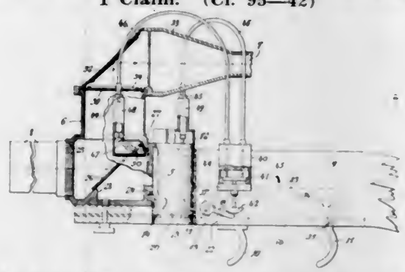
1. In a filter bed cleaner adapted for movement over the granular bed of a downward flow filter for liquids, the combination with a caisson having an open bottom engaging the upper surface of said bed and means to withdraw dirty liquid from said caisson, of mechanical means in said caisson to pick up granular filter bed material beneath said caisson, raise it above the level of the upper surface of the filter and discharge it rearwardly in said caisson at a level above that of the upper surface of the filter bed, the granular material settling on the filter bed in cleaned condition and the solids removed from the granular material remaining in suspension in the dirty water above the bed.

2,182,096
COATING PIGMENT AND METHOD OF MAKING SAME
Howard Roderick, Grosse Isle, Mich., assignor to The Michigan Alkali Company, Wyandotte, Mich., a corporation of Michigan
Application June 15, 1937, Serial No. 148,347
4 Claims. (Cl. 134—58)



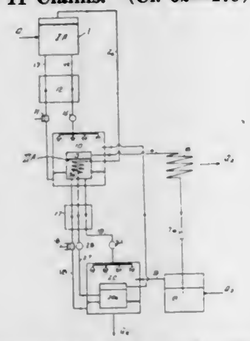
4. A method of making a calcium carbonate coating pigment for paper and the like consisting in the steps of precipitating calcium carbonate from reacting solutions of sodium carbonate, sodium bicarbonate, and calcium chloride, in which the relative concentration of sodium carbonate to sodium bicarbonate is in the range of 2½–3½ to 1, in the presence of an excess of calcium chloride, and agitating and heating such reacting solutions during precipitation in a temperature range of 150 to 220° F.

2,182,097
PHOTO GUN
Friedrich Schenk, Jamaica, N. Y., assignor to E. Leitz, Inc., a corporation of New York
Application March 15, 1938, Serial No. 195,977
1 Claim. (Cl. 95—42)



A photo gun comprising a camera mechanism having a depressible shutter release projecting upwardly therefrom and a shutter rewinding member operable through the bottom of said mechanism, an objective, a housing between the latter and said camera mechanism for connecting the same to form a camera, a pivoted mirror in said housing having a normal lowered position for excluding incoming light rays through said objective from reaching said camera mechanism and for reflecting the image of the object upwardly through said housing, a push cable operatively connected to said mirror to raise the same when an exposure is to be made, a second push cable operatively connected to the said shutter release to depress the same to make an exposure, a plunger adapted to actuate said push cables to raise said mirror and operate said shutter release, said push cables being of different lengths for raising said mirror before the shutter is released, means for supporting the said push cables and plunger, a base for supporting said camera and housing a gun stock secured to the base behind the camera, a trigger in said base, means in said base and within the gun stock for operatively connecting said trigger and plunger to actuate the latter when said trigger is pulled, a second trigger in said base, a train of gears in the base operatively connected to said rotatable shutter rewinding member, mechanism operatively connected to said second trigger and gears to actuate the latter when said second trigger is pulled and a telescope connected to said housing for viewing the reflected image of the object and aiming the photo gun.

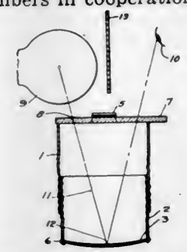
2,182,098
DUPLEX SOLUTION THERMO-COMPRESSION PROCESS
William H. Sellew, Ann Arbor, Mich., assignor, by mesne assignments, to P. R. Mallory & Co., Inc., New York, N. Y., a corporation of Delaware
Application September 29, 1934, Serial No. 746,045
11 Claims. (Cl. 62—179)



1. A continuous solution cycle heat transfer process which includes the following steps, the vaporization of a volatile component from a solution, the subsequent condensation of such vapor, the absorption of the heat effect accompanying such condensation by a second similar solution, the vaporization thereby of a volatile component from said second solution at a lower temperature than that at which the volatile component was originally vaporized from the first solution, successive repetitions of this step with the absorption of the heat effect accompanying the last condensation by a dissimilar solution and the vaporization thereby of a volatile component from said dissimilar solution at a lower temperature than that at which the first volatile component was vaporized and the subsequent utilization of the vapor so formed from the dissimilar solution, said dissimilar solution having a different elevation in boiling point temperature than the first solution when the two solutions are in thermal contact, said two solutions being of different chemical composition.

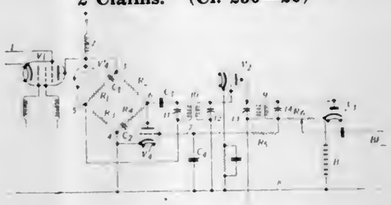
2,182,099
REFLECTOR MICROSCOPE
Joseph Martin Sullivan, Jackson Heights, N. Y.
Application March 9, 1938, Serial No. 194,789
3 Claims. (Cl. 88—39)

1. A reflecting microscope comprising a relatively small tubular casing, a concave reflecting surface permanently mounted in the lower end of the casing, and clip members extending upwardly thence inwardly from the sides of the casing, said clip members in cooperation with the upper



edge of casing, providing means for holding a transparent member upon which an object to be magnified may be placed.

2,182,100
AUTOMATIC VOLUME CONTROL DEVICE FOR WAVE TRANSMISSION SYSTEMS
Robert Georges Tahon, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application September 3, 1937, Serial No. 162,299
In France September 19, 1936
2 Claims. (Cl. 250—20)

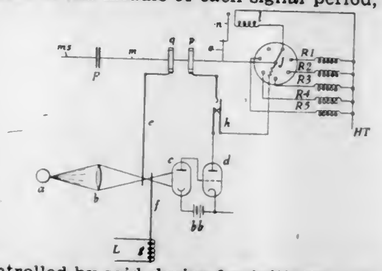


1. A multistage vacuum tube radio receiver circuit of the type having a signal detector stage and a high frequency stage preceding said detector stage and coupled thereto, which comprises a bridge circuit coupling said high frequency stage to said detector stage, a grid-controlled variable impedance tube connected in one arm of said bridge circuit for varying the coupling between said high frequency stage and said detector stage, connections for deriving from said detector stage detected signal waves of audio frequency for the output of said receiver, further connections for deriving detected signals from the output of said detector, means for smoothing said last mentioned signals to provide a unidirectional controlling signal, and means for applying said control signal to the grid of said variable impedance tube to vary its impedance in accordance with said unidirectional control signal.

2,182,101
PRINTING TELEGRAPH SYSTEM
Alfred Edward Thompson and Reginald Dennis Salmon, Croydon, England, assignors to Creed and Company Limited, Croydon, Surrey, England
Application June 13, 1936, Serial No. 85,016
In Great Britain July 19, 1935
8 Claims. (Cl. 178—88)

1. Receiving arrangement for a printing telegraph system comprising a source of radiation, a device sensitive to said radiation, means for directing a beam of said radiation upon said device, a telegraph line, means connected in said line for controlling the effect of said beam upon said device in accordance with signals in said line, a shaft means for rotating said shaft, means

controlled by said shaft for causing said beam to be directed upon said device only for a brief interval in the middle of each signal period, means



controlled by said device for initiating reproduction of each signal element, and independent means for determining the length of each reproduced element.

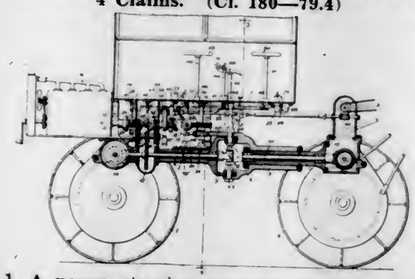
2,182,102

POWER STEERING MECHANISM

Ralph Tinker, Fountain City, Wis.

Application January 12, 1939, Serial No. 250,557

4 Claims. (Cl. 180—79.4)



1. A power steering mechanism for a vehicle including a pair of wheel supported frames, said frames at the adjacent ends being pivotally connected, a transverse shaft supported by one of said frames, a friction spool splined to slide on said shaft, a power driven friction pulley positioned between the ends of said spool and normally out of engagement with the spool, a pair of spaced steering posts on the frame arranged on a longitudinal line, means operatively connecting both of said steering posts to the friction spool to move the same longitudinally of its shaft to have its ends engage at different times said friction pulley, said means including a link motion structure including a bell-crank lever secured rigidly to one of said wheels, an arm secured to the other wheel, a link connecting said arm with one arm of said bell-crank lever, and means including a second link connecting the other arm of said bell-crank lever with said spool, a toothed segment fixed to one of said frames, a pinion carried by the other frame continually in mesh with said segment and means for transmitting motion from said spool to said pinion when said friction gear is rotating said spool.

2,182,103

LOOM

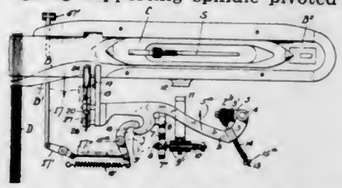
Georg Wiget, Arbon, Switzerland, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland, a corporation of Switzerland

Application April 27, 1938, Serial No. 204,651

In Switzerland July 10, 1935

4 Claims. (Cl. 139—256)

1. In a loom, the combination with a lay and shuttle box, of a carrier mounted to swing toward and from the lay in a horizontal plane, a weft-thread clamping device mounted on the carrier and comprising a member stationary with respect to the carrier, a lever pivoted on the stationary member and having an arm with a clamping head to coact with the stationary member, a spring supporting spindle pivoted on the



lever, a guide for the free end of the spindle, and a pressure spring interposed between the head of the spindle and the guide, and means coacting with the lever in the swinging movement of the carrier to cause the pivotal connection of the spindle with the lever to move across the straight line from the pivot of the lever to the guide.

2,182,104

UNDERWATER GOGGLES

Charles Henry Wilen and Alexandre Kramarenko, Nice, France

Application September 9, 1938, Serial No. 229,068

In France September 28, 1937

6 Claims. (Cl. 2—14)



1. Goggles especially for use under water comprising a bridge portion impervious to water and adapted to fit on the nose and across the eyes of a user, a single piece of plate glass hermetically sealed in and carried by the bridge portion and forming the forward wall of a chamber, said chamber having a rim at a substantial distance to the rear of the glass and adapted to fit the face of the user, said rim being impervious to water but readily compressible and having a contact area so as to insure that the chamber is securely closed when in place on the user, and means for holding the goggles securely in place on the head of the user.

2,182,105

INTERNAL COMBUSTION ENGINE CYLINDER-HEAD CONSTRUCTION

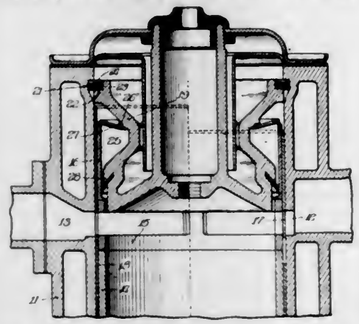
Arthur A. Woodward, Detroit, Mich., assignor to Skinner Motors, Inc., Detroit, Mich., a corporation of Delaware

Application September 19, 1938, Serial No. 230,611

9 Claims. (Cl. 123—173)

1. In an internal combustion engine, the combination of an outer cylinder having port-means, a shorter inner cylinder inside of, concentric with, and spaced inwardly from said outer cylinder and terminating at one end short of the port-means of said outer cylinder, a split expansible

sealing-ring bearing at its inner end on said end of said inner cylinder and having port-means registering with said port-means of said outer cylinder, a continuous hold-down ring bearing at its inner end on the opposite end of said sealing-ring, a cylinder-head mounted on said outer cylinder and having an inwardly facing circumferential shoulder, an endless washer-shaped spring substantially flat when not under strain, surrounding said cylinder-head and having a



shifting bearing at its inner portion solely on said cylinder-head shoulder and also having a shifting bearing at its outer portion directly on the outer end of said hold-down ring and under strain yieldingly maintaining said hold-down ring in longitudinal position and said sealing-ring against said end of said inner cylinder, a reciprocatory curved valve-means slidable lengthwise in the space between said cylinders and opening and closing the registered port-means of said outer cylinder and of said hold-down ring.

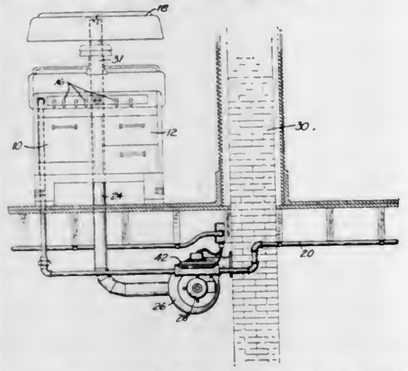
2,182,106

VENTING MEANS FOR RANGES OR THE LIKE

James G. Ames, Aurora, Ill., assignor to Autogas Corporation, Chicago, Ill., a corporation of Delaware

Application January 10, 1938, Serial No. 184,187

13 Claims. (Cl. 126—299)



3. In combination with a range or the like, a vent pipe communicating with the range and leading to a point remote therefrom, air circulating means in the vent pipe, means to supply gas to the range, and means responsive to the rate of supply of gas to the range to turn on the air circulating means when the supply rate exceeds a predetermined amount.

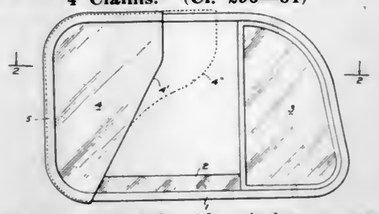
2,182,107

AUTOMOBILE DRAFT SHIELD

John F. Anderson, Oakland, Calif.

Application January 30, 1939, Serial No. 253,594

4 Claims. (Cl. 296—84)



1. In an automobile side window, a panel of glass positioned at the inner side of the window fixed in place to cover the rear end of the window opening while spaced inwardly from the main window pane to permit the latter's free sliding to open and closed position, the forward edge of said panel spaced rearwardly from the front end of the window to provide space for arm signalling said panel being relatively narrow at the bottom and gradually extending in breadth forwardly to the upper part of the panel.

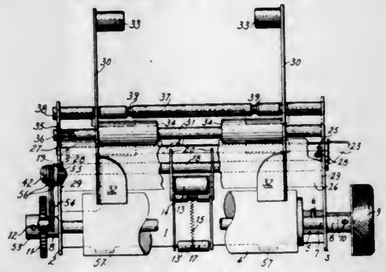
2,182,108

PAPER HOLDING AND FEEDING APPARATUS FOR COMPUTING MACHINES

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 25, 1937, Serial No. 150,369

4 Claims. (Cl. 242—55.2)



1. A paper holding and feeding apparatus for computing machines comprising a frame having upstanding side members, a pair of rods extending from one side member to the other in cooperative relation to support a pair of laterally adjustable supports for holding paper of variable widths, the said supports being slidably and pivotally mounted on one of said rods, spaced grooves in the other of said rods corresponding to the paper width, and recesses in said supports, said recesses being slightly smaller at their entrances than the minimum diameter of said grooved rod whereby to latch said supports within the grooves.

2,182,109

INK RIBBON GUIDE FOR BUSINESS MACHINES

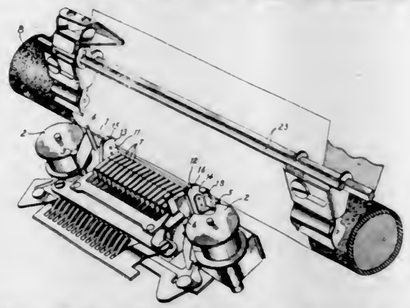
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of New York

Application December 31, 1937, Serial No. 182,679

1 Claim. (Cl. 197—170)

In a business machine having an ink ribbon and a platen, a guide for the ribbon including a pair of uprights secured to a stationary part of

the machine, the uprights having projections at their upper ends to extend over the ribbon, and beveled surfaces adjacent the projections to deflect work sheets inserted from in front of the



platen, and a pair of brackets secured to the uprights for holding the ribbon against vertical movement, the brackets lying a greater distance from the platen than the adjacent portions of the uprights.

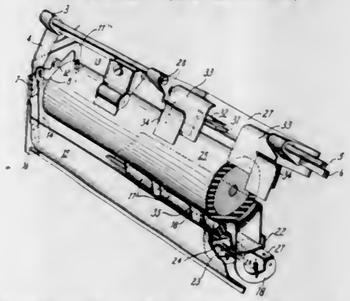
2,182,110

ACCOUNTING MACHINE

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application February 7, 1938, Serial No. 189,146

1 Claim. (Cl. 197—128)



In a machine of the class described, a platen rotatable on a fixed pivot, front feed mechanism including a pivoted bail movable toward and away from the platen and supporting one or more pressure rolls for holding the work sheet against the platen, the bail also having an offset portion supporting a card chute, the chute being composed of spaced guide members located at each side of the chute, each guide member having a front and rear portion lying in close proximity to each other so that inserted cards will be accurately directed downwardly, other pressure rolls lying beneath the printing point, and means for moving said other pressure rolls toward and away from the platen in coordination with the movement of the front feed bail, to hold an inserted card firmly against the platen.

2,182,111

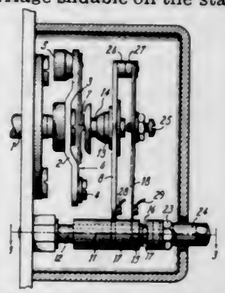
SPEED GOVERNOR FOR ELECTRIC MOTORS

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 29, 1938, Serial No. 216,464

1 Claim. (Cl. 200—80)

In a speed governor for an electric motor, a rotatable shaft, a bracket secured to one end thereof, an actuating feather having one end secured to the bracket and the opposite end provided with a weight and being free to move in a direction substantially parallel with the axis of the shaft in response to changes in the speed of rotation of the shaft, a stationary support, a rigid contact feather and a flexible contact feather, a carriage slidable on the stationary sup-



port and having secured thereto one end of each of the contact feathers, a plunger slidably supported in the rigid contact feather at the axis of rotation of the shaft, one end of the plunger lying adjacent a portion of the flexible contact feather and another portion of the plunger lying adjacent a portion of the actuating feather, and a micrometer adjusting means for moving the contact feathers and plunger bodily toward or away from the actuating feather.

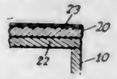
2,182,112

WOOD CASE AND FASTENER FOR THE COVERS THEREOF

Ehme Brass, Lennox, S. Dak.

Application July 8, 1938, Serial No. 218,132

1 Claim. (Cl. 217—56)



In combination, a case having end walls, a pair of fastener members made of sheet metal and having vertical walls fixed to the upper portions of said end walls and flanges extending inwardly from said vertical walls and spaced above said end walls, a cover for said case having the ends thereof slidably received beneath said flanges, and a tab at the end of each member and structurally integral therewith engaging an edge of said cover and serving as a stop for the cover, the edge of the flange of each member being corrugated, said corrugations forming spaced parallel ridges inclined to the vertical wall of said member, said flanges being inclined downwardly from said vertical walls, said corrugated edge adapted to be driven into said cover.

2,182,113

METHOD OF WRAPPING ARTICLES

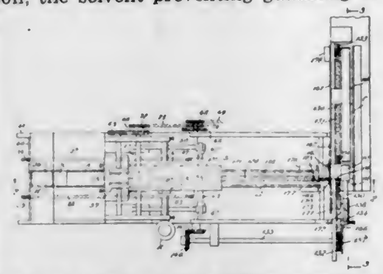
Wilhelm B. Bronander, Montclair, N. J.

Application December 12, 1938, Serial No. 245,067

5 Claims. (Cl. 93—2)

1. A method of wrapping articles in wrappers having a surface adapted to be rendered adhesive by the application of a solvent, which consists of applying a solvent to the marginal longitudinal portions of the wrapper throughout the entire length of the wrapper, folding the wrapper around the article, folding the marginal portions against the sides of the article by folding

means engaging the surfaces having solvent thereon, the solvent preventing gumming of the



folding means during the folding operation, and tucking and closing the ends of the wrapper.

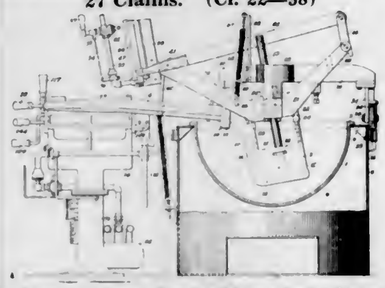
2,182,114

APPARATUS FOR BACKING ELECTROTYPES

George W. Bungay, New York, N. Y.

Application February 8, 1938, Serial No. 189,364

27 Claims. (Cl. 22—58)



1. An apparatus for backing electrotype shells comprising a plurality of backing tables, a pot containing molten backing metal, a pivotally mounted pump immersed in said molten metal to deliver a predetermined quantity of said metal, fluid-actuated means to operate said pump, a pouring spout connected to said pump, said spout having a pouring lip which is maintained in a raised position when the spout is in non-pouring position, and a carrier rotatably mounted relative to said pot and carrying said pump.

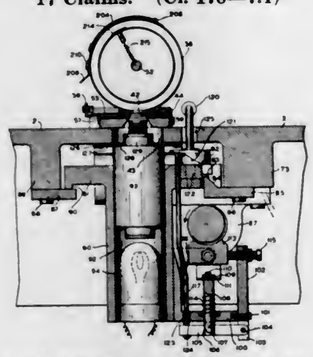
2,182,115

FACSIMILE TRANSMISSION APPARATUS

Harold Carlson, Tuckahoe, N. Y., assignor to The Associated Press, New York, N. Y., a corporation of New York

Application April 8, 1938, Serial No. 200,895

17 Claims. (Cl. 178—7.4)



1. In a facsimile transmission apparatus, a base, a removable motor driven scanning cylinder on said base, a light proof casing for said cylinder, a shutter in said casing, and means for opening automatically said shutter when said cylinder is placed in position to be scanned.

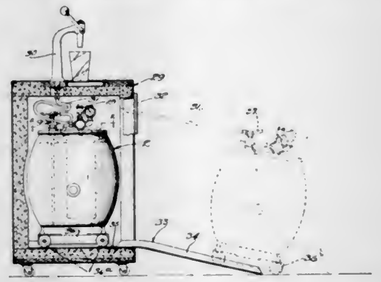
2,182,116

PORTABLE BEVERAGE CONDITIONING AND DISPENSING APPARATUS

Lloyd G. Copeman, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan

Application January 11, 1935, Serial No. 1,306

9 Claims. (Cl. 62—91.5)



1. A dispensing, conditioning and cooling unit for beer and the like, comprising a main container for receiving a body of liquid to be conditioned and dispensed, a solid CO_2 container positioned within said main container, a dispensing conduit leading from said main container, a single means for controlling the escaping of the CO_2 gases from the CO_2 container to the main container and for maintaining a predetermined pressure of the CO_2 gases within the main container and releasing the remainder of the CO_2 gases to a point outside the main container, and a container surrounding the entire unit and confining a portion of the escaping CO_2 gases around the same whereby to maintain a cold storage compartment for the unit.

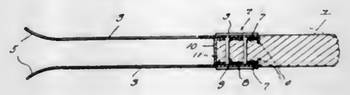
2,182,117

CANE STRIPPER

Jesse Riley English, Gibsland, La.

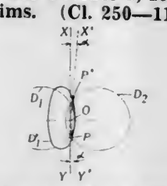
Application April 30, 1938, Serial No. 205,325

2 Claims. (Cl. 130—31)



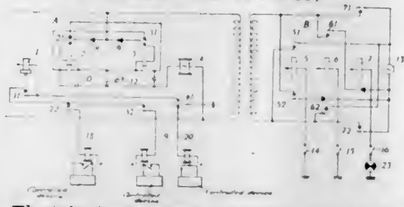
1. A cane stripper comprising a handle, a substantially U-shaped holder mounted on one end portion of said handle, and a pair of blades mounted on the holder, said holder including a bight portion engaged with one end of the handle, said holder further including legs straddling the handle and secured thereto, flanges on the bight portion of the holder embedded in said one end of the handle, and means for securing the blades to the legs of the holder, said means including flanges on the longitudinal edges of the legs engaged with the blades, said blades including inturned flanges on their inner ends embedded in the handle and engaged with the free ends of the legs of the holder.

2,182,118
RADIO DIRECTION FINDING APPARATUS
Pierre Giroud, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application August 25, 1937, Serial No. 160,837
In France October 1, 1936
2 Claims. (Cl. 250—11)



1. A radio beacon comprising means for transmitting a first radiation pattern, means for transmitting a second radiation pattern in intersecting relation to said first pattern, to define an equal field strength line, and means for periodically modifying at least one of said patterns so that said equal field strength line is periodically oscillated through a small spacial angle.

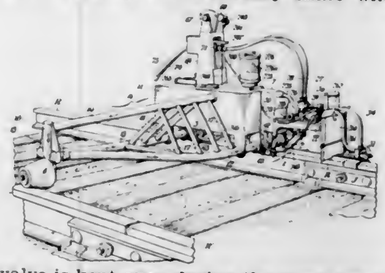
2,182,119
REMOTE CONTROL SYSTEM
Fernand Pierre Gohorel, Antony, France, assignor to Compagnie des Telephones Thomson-Houston, Paris (Seine) France, a French company
Original application October 7, 1936, Serial No. 104,560. Divided and this application July 1, 1937, Serial No. 151,537. In France October 19, 1935
3 Claims. (Cl. 177—353)



1. Electric transmission system comprising a control station, a controlled station, a transmission line connecting said stations, a transformer in said transmission line, control means at the controlled station responsive to trains of pulsations of alternating current for initiating a control selectively in accordance with the direction of the first half-cycle of the train of pulsations of alternating current received at said controlled station, means at the controlled station, responsive to half-cycles of a direction opposite to that of the first half-cycle received, for maintaining the control established by the first half-cycle, a time delay relay associated with said control means for completing the control selected when the duration of the train of pulsations exceeds a predetermined value, and a control means at said controlled station responsive to every received train of pulsations regardless of their duration, and means at the control station for selectively controlling the initial direction of the first half-cycle and the duration of the trains of pulsations received at the controlled station.

2,182,120
APPARATUS FOR HARDENING THE ENDS OF TRACK RAILS
Frederick M. Graham, Hollidaysburg, Pa.
Application March 12, 1938, Serial No. 195,477
28 Claims. (Cl. 266—4)

1. In apparatus for heat treating rails, a heating torch supported in proximity to the rails; means for conducting combustible fluid to the torch; a valve for governing flow of the combustible fluid; a main drive shaft; a secondary shaft with means thereon for moving the torch back and forth relative to the rail; clutch means through which the secondary shaft is driven from the main shaft; an operating arm frictionally engaging the secondary shaft whereby



the valve is kept open during the operative phase of the apparatus; timing means for disconnecting the clutch after a lapse of a predetermined time interval; and means whereby, after disconnection of the clutch, the secondary shaft is slightly moved reversely to its normal direction of rotation with attendant closing of the valve by the friction arm to interrupt flow of the combustible fluid to the torch.

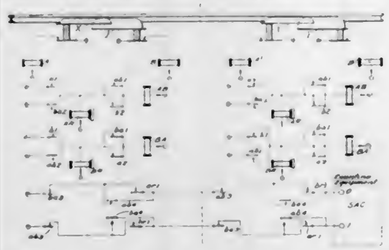
2,182,121
VAGINAL DIAPHRAGM INSERTER
Oscar W. Graveley, New York, N. Y.
Application February 16, 1938, Serial No. 190,699
2 Claims. (Cl. 128—127)



1. An inserter of the class described, comprising a pair of tubular telescoped members, the outer of said members having a notch for engaging the spring of a vaginal diaphragm, a clip secured to the inner member adapted to clear the outer when the two are telescoped, said clip having means for engaging the spring of a vaginal diaphragm, a spring in said tubular members normally tending to maintain them in an extended position.

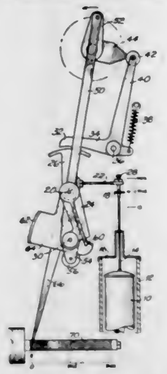
2,182,122
RAILWAY SIGNAL CONTROL SYSTEM
John Balmain Griffiths and Andrew Brown, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application September 9, 1936, Serial No. 99,939
In Great Britain September 13, 1935
8 Claims. (Cl. 246—77)

1. A railway or like automatic signal or points control system, comprising a track section, two pairs of contacts arranged for successive and overlapping operation in one of two orders, wheel operated means for operating said contact pairs in one or the other of said orders dependent upon whether a wheel passes in a forward or reverse direction over said wheel operated means, equipment for controlling signals or points, signalling means controlled by said contact pairs for sending into said equipment impulses for counting



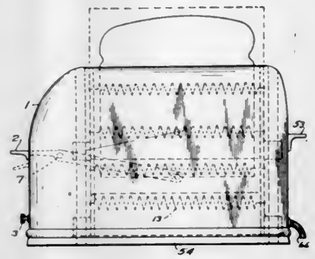
wheels into or out of said section depending on the order in which said pairs of contacts are operated for controlling said equipment to ensure correct control of said signals or points, means controlled by said pairs of contacts for detecting reversal of direction of a wheel whilst passing said wheel operated means, and means controlled by said detecting means for operating said signalling means to ensure correct control of the signals or points by said equipment in event of such a reversal in direction.

2,182,123
RECORDER MECHANISM
George W. Grisdale, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1937, Serial No. 154,134
6 Claims. (Cl. 74—1)



1. Control mechanism for a recorder or the like comprising a member set periodically according to a quantity to be recorded, an angularly movable arm, a cam device connected to said arm, and a power-operated shifting mechanism including a device periodically freed and re-set by engagement with said member, power-operated means for gripping and holding said device when so re-set, and power-operated means mounted on said device and shifted therewith to various positions and engaging said cam device and operating it forcibly to shift said arm to correspond to the position of said member.

2,182,124
TOASTER
Anthony Guerra, Hackensack, N. J.
Application December 13, 1938, Serial No. 245,343
1 Claim. (Cl. 219—19)

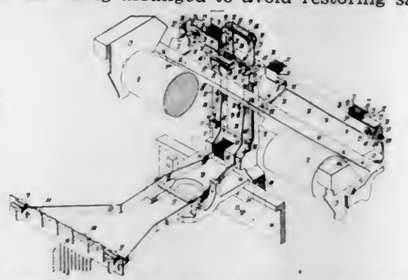


A toaster of the automatic type having heating elements positioned to toast both sides of slices of bread placed in the toaster and also of the type in which parts of the slices of bread and toast extend above the upper surface of the toaster before and after toasting; said toaster characterized by, a unitary casing having a continuous stationary wall extending from the base to the upper surface thereof in which the toasting and operating elements are mounted, and a secondary vertically slidable unit completely enclosed in the said unitary casing with the toaster in the inoperating position and elevated above the upper surface of said casing to completely surround slices of bread in the toaster in the toasting position, said unitary casing having a compartment at one end for the operating parts, and said operating parts comprising, a lever fulcrumed in said compartment with one end extending beyond the compartment and casing and the other attached to and positioned to elevate said secondary unit with the extending end moved downward, a circuit closing switch positioned to be closed by said lever as the lever is moved downward, a latch holding said lever, a motor and timing gear, with the motor connected in said circuit and the timing gear positioned to release said latch, means automatically increasing the speed of the motor to shorten the toasting time when the device is heated, means manually controlling the motor speed to control the toasting time, and tracks in the unitary casing forming guides for the vertically movable secondary unit, said compartment insulated from the remaining part of the casing and having ventilated openings in the base and upper part thereof.

2,182,125
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Original application February 12, 1932, Serial No. 592,454. Divided and this application June 23, 1936, Serial No. 86,707
14 Claims. (Cl. 197—179)

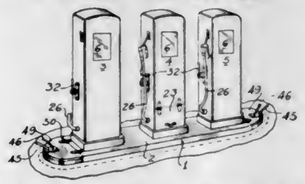
3. In combination, a carriage, a stop-setter and a stop-restorer opposed to each other in the same plane to act in opposite directions directly upon a key-set stop, first for setting the stop and then for restoring the stop without affecting adjacent key-set stops while the carriage remains motionless, and means for maintaining said stop-restorer in operative position for camming all of the set stops back to normal positions at a run of the carriage, said stop-restorer having a stop-

restoring cam effective during said carriage run, said cam being arranged to avoid restoring said



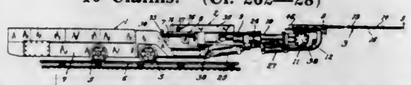
adjacent stops when the stop-restorer is actuated while the carriage is motionless.

2,182,126
FILLING STATION CONSTRUCTION
Donald D. Hogarth, Los Angeles, Calif.
Application August 26, 1938, Serial No. 226,917
7 Claims. (Cl. 221—95)



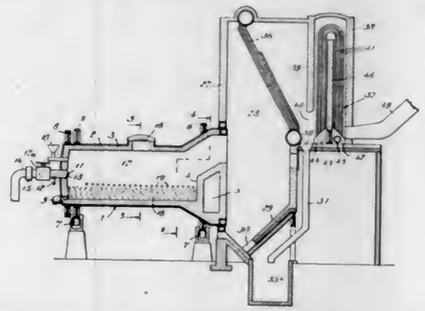
1. In a filling station construction for supplying automobiles with liquid fuel, the combination of a substantially horizontal housing located at about the ground level, a pair of substantially similar upright reservoir housings of substantially equal weight supported on the horizontal housing with fuel reservoirs carried by the same, a compressed air tank located substantially under the middle point of the said horizontal housing supporting the same, and located substantially equi-distant from the said reservoir housings; and a foundation footing under the compressed air tank supporting the compressed air tank.

2,182,127
METHOD OF AND APPARATUS FOR MINING
Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 14, 1935, Serial No. 49,782
Renewed August 27, 1937
10 Claims. (Cl. 262—28)



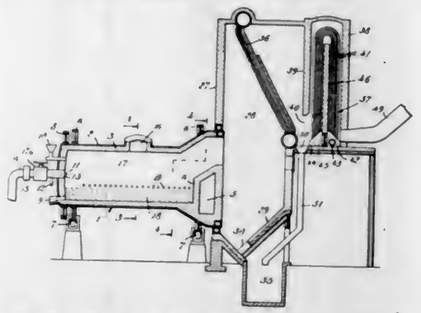
1. In combination, a kerf cutter having orbitally movable cutting elements along its length and movable laterally to cut a plane kerf in a coal seam and insertible in an endwise direction in the coal seam to form an opening therein, and means for breaking down the solid coal in which said opening is formed, while said kerf cutter remains in said opening, including fluid conducting means embodied in said kerf cutter and means for supplying therethrough into the bottom of said opening an expansible coal breaking fluid in quantity and at a pressure sufficient to break down such solid coal by the expansive breaking action of the expansible fluid thereon.

2,182,128
METALLURGY
Charles R. Kuzell, Clarkdale, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
Application March 23, 1938, Serial No. 197,608
28 Claims. (Cl. 75—63)



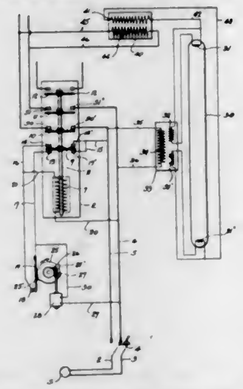
1. The method of treating a copper base alloy containing zinc to separate the copper and zinc which comprises forming a molten bath of the alloy in a suitable receptacle, subjecting the molten alloy to the action of an oxidizing gas to oxidize the zinc contained therein and to sweep out of the receptacle a portion of the oxidized zinc, and subjecting residual material of the bath to the action of a reducing agent while molten to reduce zinc oxide contained therein and to vaporize the resulting elemental zinc.

2,182,129
METALLURGY
Charles R. Kuzell, Clarkdale, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
Application March 23, 1938, Serial No. 197,609
33 Claims. (Cl. 75—63)



1. The method of treating a copper base alloy containing zinc to separate the copper and zinc which comprises forming a molten bath of the alloy in a suitable receptacle, subjecting the molten alloy to the action of an oxidizing gas to oxidize the zinc contained therein and to sweep out of the receptacle a portion of the oxidized zinc, thus producing a residual molten bath comprising a molten metal phase containing copper and a molten oxide or slag phase containing zinc oxide, separating the metal and slag phases of the bath, and subjecting the slag to the action of a reducing agent while molten to reduce zinc oxide contained therein and to vaporize the resulting elemental zinc.

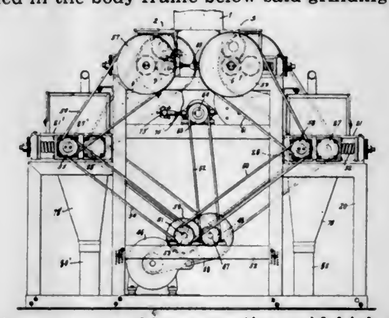
2,182,130
TIME DELAY RELAY
Charles M. Lubcke, Seattle, Wash., assignor to Kirsten Lighting Corporation, Seattle, Wash.
Application May 5, 1936, Serial No. 77,950
2 Claims. (Cl. 175—320)



1. In combination, main circuit lines, a line switch operable to connect the said main circuit lines with a source of current, a control switch for a device in the main circuit, a relay for actuation of the control switch having circuit connections at opposite sides, respectively, with the main circuit lines, a normally open timing switch in one of said connections, a normally open shunt connection across the timing switch, a double acting switch connected for actuation by the relay and normally positioned to complete the circuit connection between the timing switch and the corresponding main circuit line, and adapted, when actuated, to its other position, to open that connection and maintain the relay circuit through the shunt connection independently of the timing switch, an electrically operated timing mechanism having a circuit connection at one side with one of the main circuit lines, and having a circuit connection at the other side with the circuit connection between the timing switch and double acting switch, and adapted to be energized upon closing the line switch, means operable by the timing mechanism to close the timing switch to energize the relay, thereby to effect closing of the control switch and actuation of the double acting switch to close the shunt connection and divert the circuit of the timing mechanism through the timing switch.

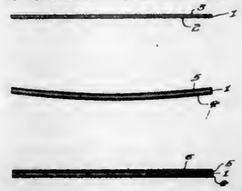
2,182,131
COFFEE MILL
Leland S. Maede, Brooklyn, N. Y.
Original application August 28, 1933, Serial No. 687,078. Divided and this application January 12, 1937, Serial No. 120,226
2 Claims. (Cl. 83—18)

1. In a coffee grinding and treating apparatus, the combination of a body frame; a cracking unit mounted on said body frame, said cracking unit including a high speed and a low speed roll; a pair of rectangular guiding frames mounted on said body frame, each of said guiding frames including bearing blocks slidably mounted in the guiding frame and in which the cracking rolls are journaled; shims between said bearing blocks; a spring means for holding said bearing blocks and shims together; a grinding unit mounted on said body frame and below said cracking unit, said grinding unit including a high speed and a low speed roll, additional guiding frames mounted on said body frame, each of said additional guiding frames including a pair of bearing blocks in which said grinding rolls are journaled, slidably mounted in the guiding frame; shims between said bearing blocks and spring means for pressing said bearing blocks and shims together; high speed and low speed driving shafts journaled in the body frame below said grinding unit,



belt means operably connecting said high speed driving shaft with ends of high speed cracking and grinding rolls on one side of said apparatus, belt means operably connecting said low speed driving shaft with ends of low speed grinding and cracking rolls on the opposite side of said apparatus; and means for adjustably positioning said guiding frames on said body frame for adjustably tensioning said belt means.

2,182,132
VITREOUS ENAMELED SHEET AND METHOD OF PRODUCTION THEREOF
Archer L. Matthes, Youngstown, Ohio
Application June 2, 1938, Serial No. 211,359
6 Claims. (Cl. 91—73)



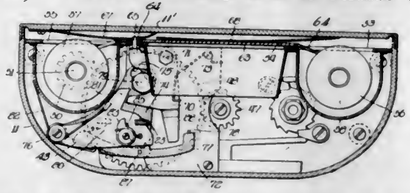
1. As an article of manufacture, a vitreous enameled sheet comprising a metallic base roughened on one side and relatively smooth on the other, a coat of fused vitreous material on said roughened side and a plurality of coats of fused vitreous material on the opposite side.

3. In a method of producing a vitreous enameled sheet, the steps of initially forming a metallic base sheet having a smooth surface on one side and a relatively rougher surface on the other, applying a ground coat of fusible enamel to the opposed surfaces of the base, fusing said coat, applying a second coat of fusible enamel to the fused coat adjacent the smooth surface of the base, and then fusing said second coat thereto.

2,182,133
CAMERA
Lewis H. Moomaw, Wilmette, Ill.
Application January 2, 1937, Serial No. 118,726
3 Claims. (Cl. 242—71)

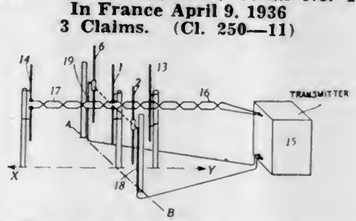
1. In a photographic camera, spring motor means operating to wind a sensitized film upon a take-up spool, a plate member having a pro-

jection adapted to enter an opening in the film, a second plate member having a stop arm for holding the spring motor against operation, said plate members being normally free and independent of each other, an actuating member associated with both plate members and operative to cause movement of both plate members to withdraw the projection from the film and to also withdraw the stop arm to release the



spring motor, said plate members being adapted to directly engage each other as a result of said movement whereby the stop arm is held in released position as long as said projection remains withdrawn from an opening in the film, and means for tripping the shutter of the camera, said shutter tripping means effecting movement of the actuating plate upon its return to initial position.

2,182,134
RADIO DIRECTING AND DIRECTION FINDING SYSTEM
Georges Edme Marcel Perroux, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application March 12, 1937, Serial No. 130,461
In France April 9, 1936
3 Claims. (Cl. 250—11)

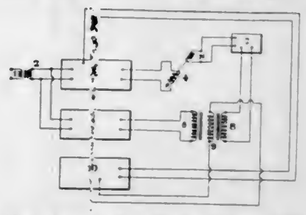


1. A directive antenna system comprising a central dipole antenna, a reflector dipole antenna parallel to said central dipole and spaced therefrom a distance equal to a quarter of the operating wave length, a directing dipole antenna disposed on the opposite side of said central dipole at a distance therefrom equal to one half of the operating wave length, and a common transmission line for feeding said central and directing dipoles extending along the symmetrical axis of the three antennas.

2,182,135
ALLOY STEEL
Gustav A. Reinhardt, Youngstown, Ohio, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
No Drawing. Application February 12, 1937, Serial No. 125,425
3 Claims. (Cl. 75—125)

1. An alloy steel comprising carbon not exceeding 0.20%, manganese 0.35% to 0.70%, copper 0.90% to 1.10%, nickel 1.80% to 2.20%, silicon 0.10% to 0.25%, sulphur not exceeding 0.10%, and substantially iron to make 100%, the ratio between the copper and nickel being as near as may be to 1:2.

2,182,136
ELECTRICAL SOUND RECORDING
Pier Carlo Ricchiardi, Paris, France
Application February 26, 1938, Serial No. 192,737
8 Claims. (Cl. 179—100.1)

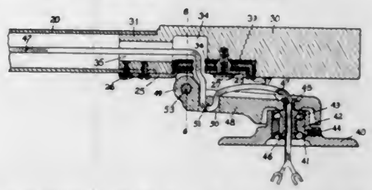


1. In the electrical recording of sounds, the method which consists in causing the recording member itself to modulate an auxiliary electric current which is proportional to the sound recorded with its distortions, placing said auxiliary current in opposition with a current issuing directly from an amplifier connected in parallel with the amplifier piloting the recording member, utilizing the result thus obtained from the two currents for piloting the amplification factor of the amplifier which actuates the recording member in order to correct all distortions introduced by the recording member or by the electrical circuit of same.

2,182,137
SODA SOAP GREASE
Vernon L. Ricketts, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 1, 1937, Serial No. 123,491
14 Claims. (Cl. 87—9)

1. A soda soap grease comprising a viscous mineral oil and a soda soap of an acid selected from the group consisting of higher fatty acids, naphthenic acids and mineral oil sulfonic acids, said grease containing a minor proportion of an alkali metal salt of an organic carboxylic acid containing an aromatic ring to prevent bleeding.

2,182,138
ELECTRIC PHONOGRAPH PICKUP
Charles E. Semple, Jr., and Frank J. Malat, Youngstown, Ohio, assignors to Astatic Microphone Laboratory, Inc., Youngstown, Ohio, a corporation of Ohio
Application July 8, 1937, Serial No. 152,550
11 Claims. (Cl. 274—23)



2. In a sound reproducing system, a translating device, a support therefor comprising a base, an arm swiveled on the base, a bracket having an outer flat surface swiveled on said arm, a carrier for said translating device having a flat surface overlying the outer flat surface of said bracket, compressible vibration dampening material between said surfaces, and means for varying the compression of said material.

2,182,139
DIRT CONVEYER
Frank Speno, Ithaca, N. Y.
Application August 15, 1936, Serial No. 96,305
2 Claims. (Cl. 198—83)



1. In a dirt conveyer including a plurality of units adapted to rest upon and be secured to the four upper edges of a hopper car, the combination of a plurality of frame sections arranged substantially in parallel relation and inclined to a horizontal plane with the upper end of one frame section located over the lower end of the next forward frame section, side plates rigidly connecting said ends together, supports at the outer ends of the conveyer adapted to rest upon the upper edges of the ends of a hopper car, said supports provided with guides which fit inside the ends of the hopper car, means for clamping the supports removably in place on the car, supports intermediate the length of the conveyer which rest on the upper edges of the opposite sides of the car, each unit having endless conveyers for conveying the material forwardly thereover, a hopper carried by the frame section and overlying the lower end of the lowermost endless conveyer, hoppers at the adjacent overlapped ends of the frames and endless conveyers into which the conveyer sections discharge, said last-mentioned hoppers having lateral side openings for directing the dirt downwardly into the hopper car immediately therebeneath, and a deflector plate pivotally mounted in the last-named hoppers arranged to extend under the discharge end of the endless conveyer thereabove to direct the dirt upon the next endless conveyer therebelow.

2,182,140
PROCESS FOR PRODUCING RESERVES UNDER DYEINGS OF ESTER SALTS OF LEUCO VAT DYESTUFFS
Ernst Tschan, Basel, Switzerland, assignor to the firm Durand & Huguenin A. G., Basel, Switzerland
No Drawing. Application March 20, 1935, Serial No. 12,106. In Germany March 26, 1934
4 Claims. (Cl. 8—65)

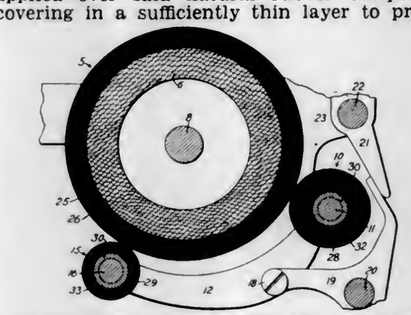
1. In the process of producing reserve effects under dyeings obtained with the aid of ester salts of leuco vat dyestuffs, the step which comprises producing upon the textile material local resists against the ester salts by applying to said material locally an alkaline printing paste containing a thickening agent and a water-soluble compound of the general formula



wherein R_1, R_2, R_3 and R_4 designate alkyl, aralkyl or aryl radicals having no sulpho or carboxy substituents, while X stands for the anion of a water-soluble salt.

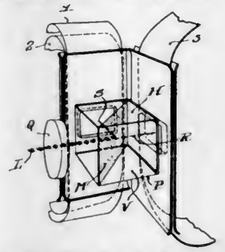
2,182,141
PLATEN AND/OR FEED ROLLER FOR TYPEWRITING AND LIKE MACHINES
Alfred E. Vickery, Bridgeport, Conn., assignor to Remington Rand, Inc., Buffalo, N. Y., a corporation of Delaware
Application February 8, 1937, Serial No. 124,619
4 Claims. (Cl. 197—144)

1. In a platen for typewriting and like machines, a covering of the usual vulcanized natural rubber composition having a degree of hardness and resiliency to afford proper typing by the force of the types thereagainst, and a protective coating applied over said natural rubber composition covering in a sufficiently thin layer to provide



a platen having substantially the said hardness and resiliency of the underlying composition covering, said protective coating comprising a rubber-like material having the properties of resisting oxidation and deterioration by rubber solvents.

2,182,142
DIVIDING POLARIZED LIGHT BEAMS
Joseph A. Ball and Winton C. Hoch, Los Angeles, Calif., assignors to Technicolor Motion Picture Corporation, Boston, Mass., a corporation of Maine
Application February 12, 1937, Serial No. 125,488
9 Claims. (Cl. 95—2)

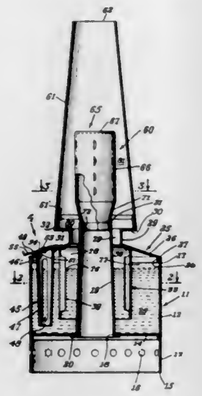


1. Apparatus for dividing a beam of light into component beams comprising a reflector, means for intermittently inserting said reflector into said beam, and compensating means for converting plane polarized light into elliptically—including circularly—polarized light, said compensating means being mounted in said beam before it strikes said reflector, rendering the effect of the reflector substantially independent of plane polarized light which the beam may contain.

2,182,143
ORCHARD HEATER
Robert A. Campbell, Los Angeles, Calif.
Application May 6, 1937, Serial No. 141,117
6 Claims. (Cl. 158—91)

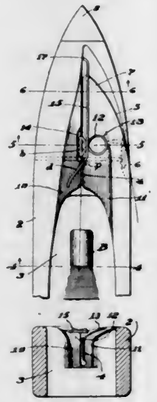
1. A heater comprising in combination an oil pot having a bottom with an opening, imperforate sides and a top cover with a contracted neck extending upwardly therefrom, an air flow pipe connected to the bottom at the opening and extending upwardly through the contracted neck and defining therewith an annular throat, an imperforate stack, means to support said stack above the neck, a skirt secured to the top cover and extending downwardly towards the bottom of the oil pot positioned between the neck and the outside walls of the pot, said skirt having vertical

louvers with inwardly extending edges from one side of each louver to direct the flow of air for



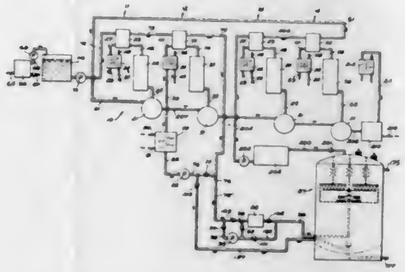
the primary combustion into a somewhat circular motion in the space between the skirt and the air flow pipe.

2,182,144
LOOM SHUTTLE
Jean B. Daudelin and Evariste E. Talbot, Fall River, Mass.
Application February 18, 1938, Serial No. 191,224
6 Claims. (Cl. 139—223)



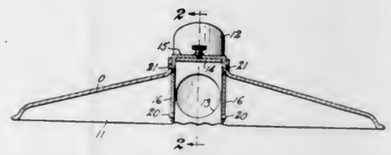
1. A loom shuttle provided with a bobbin chamber and a threading groove extending forwardly from said chamber, a guard extending laterally across said groove from one wall thereof into overlapping relationship with the opposite wall and lying above the normal running position of the thread so that the thread must pass over, around, and under said guard in moving into said position, said guard having a V-shaped thread trapping notch in one edge thereof, the open side of said notch facing lengthwise of the shuttle, and a guide extending along said groove above the guard where it will guide a loop tending to escape from said groove into said notch in the guard and prevent such escape.

2,182,145
PROCESS AND APPARATUS FOR TREATING OIL
Harold C. Eddy, Los Angeles, Calif., assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application January 26, 1937, Serial No. 122,470
20 Claims. (Cl. 204—24)



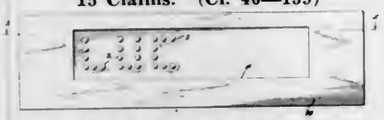
1. A process for treating a mineral oil containing no more than a few percent of water to remove impurities dissolved or dispersed in the oil phase or the water phase, which process includes the steps of: mixing said mineral oil and a relatively fresh water, said mixing being of such a character as to form a mixture of the relatively fresh water and oil but insufficient to cause a predominant portion of the impurities to become associated with said relatively fresh water; subjecting the mixture to the action of an electric field to coalesce the water and cause impurities to become associated therewith; and separating the coalesced water containing impurities from the oil.

2,182,146
SUCTION NOZZLE
Eric Edström, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application June 26, 1936, Serial No. 87,400
In Switzerland July 2, 1935
2 Claims. (Cl. 15—155)



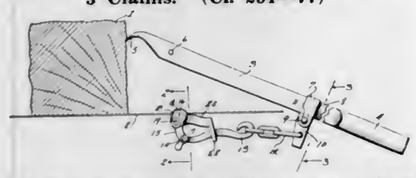
1. In a suction nozzle, a hollow body having an elongated suction opening and a centrally located outlet adapted to be rigidly connected to a hollow handle for moving said nozzle over a surface to be cleaned and for connecting said outlet to a source of suction, said body including elongated hollow branches disposed on either side of said outlet, the end portions of said elongated opening being formed in said branches, said body being formed with a transverse slot to one side of said outlet, and a member slidably mounted in said slot and movable with respect to said body and the outlet formed therein from a position interrupting flow from one of said branches to said outlet to a position permitting free flow.

2,182,147
DISPLAY SIGN
George H. Evans, Washington, D. C., assignor of one-half to Richard K. Stevens, Washington, D. C.
Original application September 21, 1937, Serial No. 164,970. Divided and this application April 5, 1938, Serial No. 200,215
15 Claims. (Cl. 40—139)



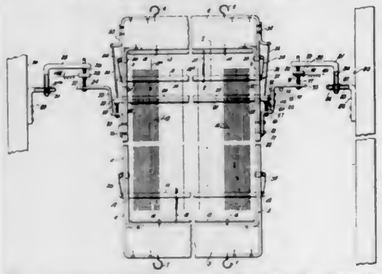
1. A display sign comprising a support, insignia mounted thereon including independent rocking pieces having actuating and counterbalancing levers projecting therefrom, and power-operated means comprising an endless belt moving close to and by means of transverse blades engaging these projections and imparting movement to them.

2,182,148
WIRE STRETCHER
William F. Hatfield, Lovilia, Iowa
Application January 3, 1939, Serial No. 249,070
3 Claims. (Cl. 254—77)



1. A wire stretching implement comprising a lever bar adapted to have one end serve as a fulcrum, a yoke movable longitudinally on the bar, a wire gripping clamp, and means coupling the wire gripping clamp with said yoke which is so constructed and arranged that upon swinging of the bar on said fulcrum point when the clamp is engaged with a wire, the said yoke will be firmly clamped to the bar to be secured in an adjusted position thereon.

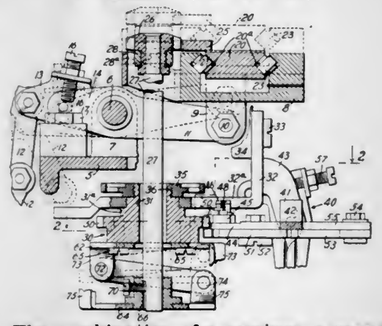
2,182,149
AUTOMATIC STOP MECHANISM FOR LOOMS
Irvin K. Hauseman, Pottstown, Pa.
Application November 29, 1937, Serial No. 177,149
19 Claims. (Cl. 139—355)



1. In combination, a warp heddle having an opening, a heddle supporting bar extending through said opening, and cooperating surfaces on said warp heddle and said heddle supporting bar arranged and constructed to maintain said warp heddle in raised position relative to said heddle supporting bar when a warp thread associated with said warp heddle becomes broken or unduly slack.

16. In a loom harness, a frame, a plurality of warp heddles each having an elongated slot and an opening for a warp thread normally under tension, means supporting said warp heddles in said frame so that they can move vertically relatively thereto, and a contact bar slidably mounted in said frame and extending through said elongated slots; said contact bar being engageable by the upper end wall of each said slots and movable vertically with respect to said frame by said warp heddles when said frame raises the warp heddles against the tension of the warp threads, said heddle supporting means including instrumentalities for restraining free downward movement of a warp heddle whose thread is broken or unduly slack, the lower end wall of each of said slots of said warp heddles normally being free from engagement with said contact bar but being engageable therewith when downward movement thereof is restrained by said instrumentalities.

2,182,150
TYPEWRITING AND LIKE MACHINE
Henry A. Heinrich, Middletown, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application August 25, 1937, Serial No. 160,863
3 Claims. (Cl. 197—82)

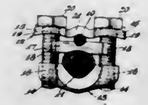


3. The combination of a carriage, a case shiftable member and escapement mechanism for the carriage including an escapement wheel and a rotative feed device that turns as the carriage receives an intermittent letter-space movement and has a relative axial movement during the case shift movement of said shiftable member, and means connecting the escapement wheel and said rotative feed device to turn together but affording axial movements of the latter relative to the escapement wheel, said means including a connecting member arranged to operate during the case shifting movement substantially equal distances each side of a position extending at right angles to the axis of said rotative feed device.

2,182,151
CABLE CONNECTOR
Johannes Wilhelm Hofmann, Radebeul-Kotzschenbroda, near Dresden, Germany, assignor to Burndy Engineering Co., Inc., New York, N. Y., a corporation of New York
Application October 7, 1936, Serial No. 104,446
In Germany October 16, 1935
1 Claim. (Cl. 24—243)

In an electrical connector for electrically and mechanically clamping one cable to another cable,

having two opposed clamping plates with clamping means positioned on each side of the cables clamped in the connector, a clamping plate made of sheet metal of uniform thickness and having a centrally formed cable engaging arched seat with outwardly extending wing portions integral therewith for engagement with the clamping



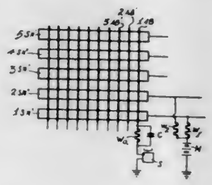
means adjacent the ends thereof, thereby providing between said arched seat and said wing portions, sections having sufficient resiliency to compensate for changes in dimensions of the cable supported in the electrical connector, and means associated with said wings providing for relative movement between the clamping means and said wings during the flexing movement of the wings.

2,182,152

ELECTRIC SIGNALING SYSTEM

Erik Waldemar Hullegård, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden

Application January 21, 1937, Serial No. 121,704
In Sweden February 17, 1936
5 Claims. (Cl. 179—18)



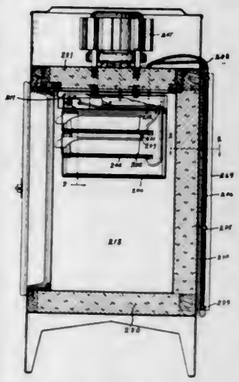
1. In a communicating system in combination a number of conductors arranged in two sets, a discharge tube, a plurality of electrodes in said tube, said electrodes being connected each to one of said conductors, discharge paths constituting talking paths between each electrode connected to one of said sets of conductors and electrodes connected to the other of said sets of conductors, said discharge paths having different ignition tensions, a first group of resistances each of which is connected to each of the conductors in one of said sets of conductors, subscriber sets each of which are connected in series with each of said resistances, a second group of resistances each of which is connected with one terminal to one of the conductors in the other set of conductors and with the other terminal to one terminal of a common source of current and connections between the other terminal of said common source of current and said subscriber sets, the resistances of both of said groups having such magnitudes that by constituting a talking path over a discharge between an electrode in one of said sets of electrodes and an electrode in another of said sets of electrodes the tension of any discharge path between any one of said two electrodes and the other electrodes in said sets of electrodes is below the corresponding ignition tensions, and said common source of current having a higher voltage than the ignition tensions of the discharge paths.

2,182,153

REFRIGERATION

Andrew A. Kucher, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application April 28, 1932, Serial No. 608,052
Renewed September 10, 1938
26 Claims. (Cl. 62—115)



1. A refrigerating apparatus consisting of a cabinet, a refrigerating system therefor of a capacity not substantially in excess of the maximum normal refrigeration requirements of said cabinet, said system comprising a compressor-condenser-evaporator refrigerating system in which the compressor runs continuously at constant speed during the entire period of refrigeration requirement without stopping for cabinet refrigeration temperature adjustments, and circulates refrigerant continuously throughout the entire system, a refrigerant expander of normally fixed dimensions between the condenser and evaporator of a size to vary the effective refrigerating area of the evaporator in response to refrigerant pressure in the evaporator in an amount sufficient to maintain the cabinet temperature within food preserving limits notwithstanding variations in the heat leakage through the walls into the cabinet, and means selectively to vary at least one dimension of said expander to produce a different refrigerating effect on the cabinet.

2,182,154

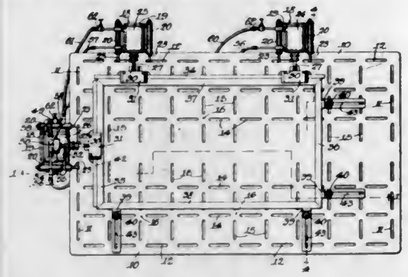
FRAME PRESSING MACHINE

Jeter M. Lancaster, High Point, N. C.

Application January 26, 1939, Serial No. 252,990
2 Claims. (Cl. 144—291)

1. In a device for holding furniture frames, a table provided along its edges with first side and end slots arranged in lines at right angles to each other; the table being provided, within the space defined by the side and end slots, with second slots disposed in cruciform groups, each slot of each group being common to two groups, a side cylinder, means for mounting the side cylinder in different ones of the side slots, to secure an adjustment of the side cylinder longitudinally of the table, an end cylinder, means for mounting the end cylinder in different ones of the end slots, to secure an adjustment of the end cylinder transversely of the table, pistons movable in the cylinders, rods connected to the pistons, frame-engaging clamps carried by the rods, means for conveying fluid-pressure to the cylinders, to advance and retract the pistons in consonance, abutments opposing the thrust of the clamps, and means for connecting the abut-

ments to the table in different slots of the groups, thereby to enable the abutments to co-



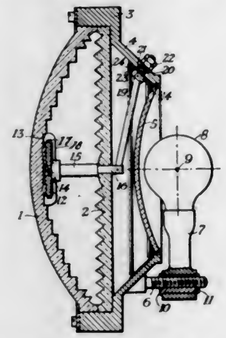
operate with a frame of different outline from that defined by the side and end slots.

2,182,155

LIGHT PROJECTING DEVICE

Marcel Alfred Martin, Paris, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 30, 1937, Serial No. 166,676
In France June 4, 1937
6 Claims. (Cl. 177—329)



1. In a light signal comprising a source of light and a doublet made up of two stepped lenses for projecting a beam of parallel rays from said source to a distant point, the combination therewith of a light deflecting member mounted between said lenses for diverting a portion of the rays from said source to provide an indication to an observer close to the signal, and means connected with said member and extending to a point outside of the optical system for moving said member to different positions to adjust the direction of diversion of the light rays.

2,182,156

DEVICE FOR PLACING BAG COVERS OVER GARMENTS

Daniel J. McCarty, Los Angeles, Calif.

Application April 28, 1937, Serial No. 139,442
4 Claims. (Cl. 226—18)

1. In a device of the character described, a carriage, a vertical guide for the carriage, means for lowering and elevating the carriage on the guide, means supported on the carriage and forming a rod suspension adapted to pass through the tops of a number of garment bags placed side by side in a stack with their open ends directed downwardly for supporting the bags with their lower open ends unimpeded and a pole



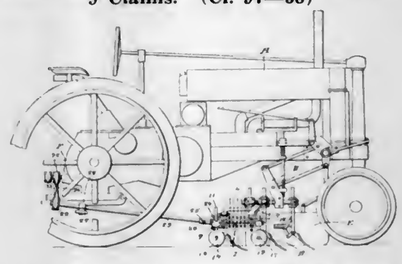
adapted to support a garment hanger and to be inserted into any of the bags.

2,182,157

ROTARY CORN UNCOVERER

John J. McDermott, Epworth, Iowa

Application May 18, 1939, Serial No. 274,443
9 Claims. (Cl. 97—38)



1. An uncoverer for the purpose set forth and for use in connection with a tractor cultivator having a fender, said uncoverer comprising a structure having as a part thereof a revoluble toothed uncovering element adapted for alignment with and free of connection to the fender of the cultivator and for disposing over and for acting directly on a row of growing plants for uncovering said row following the activity of the cultivator, said structure including wheels for supporting the outer side thereof, a driving means for said element and means for loosely connecting the outer side of said structure to the cultivator, means for connecting the inner side of said structure to the cultivator, and means for operating said element.

2,182,158

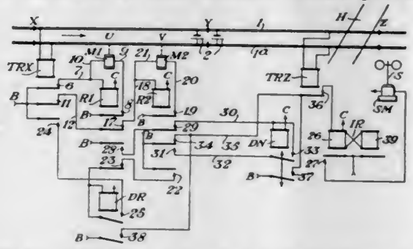
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS

Joseph K. Mickley, Western Springs, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 10, 1935, Serial No. 53,759
15 Claims. (Cl. 246—130)

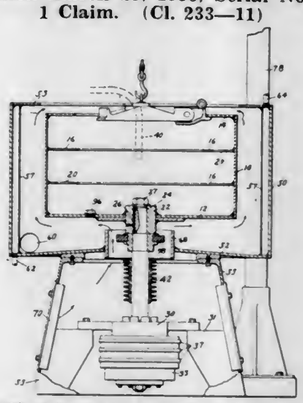
1. In combination, a stretch of railway track intersected by a highway, a highway crossing signal located at the intersection, two microphones attached to a rail one at each of two selected locations along the stretch to one side of the highway, said microphones each characterized by increasing its resistance when the rail

is vibrated by the passage of a train, a relay for each microphone, a pick-up circuit for each relay including a winding of the relay and a contact governed by a train approaching the microphones, a stick circuit for each relay including the associated microphone, operating means for starting operation of the signal when a train approaches the highway and including a front contact of the relay associated with the microphone nearer the highway, a time element device provided



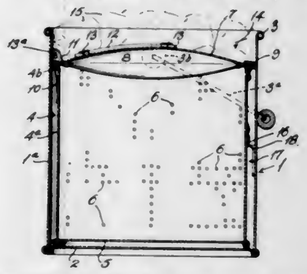
with an operating cycle of a predetermined time interval but normally inactive, means controlled by a train approaching the highway for rendering said device active and including a back contact of the relay associated with the microphone more remote from the highway, and means controlled by the time element device when its operating cycle is completed prior to arrival of a train at the microphone nearer the highway for rendering said operating means ineffective.

2,182,159
CENTRIFUGAL APPARATUS
Edward L. Miller and Tandy A. Bryson, Troy, N. Y., assignors, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application March 25, 1936, Serial No. 70,771
1 Claim. (Cl. 233—11)



A centrifugal machine including, in combination, an imperforate clarifying bowl, means to introduce liquid into the bowl, an inwardly directed flange at the upper edge thereof defining an annular discharge rim, means for rotatably mounting the bowl, spaced annular fins arranged on the interior of the bowl to retard the upward travel of liquid and having apertures therein, a casing spaced therefrom and surrounding said bowl, said casing being composed of vertical, spaced side walls forming a cooling jacket extending from a position below the bottom of said bowl to a position above said discharge rim of said bowl and terminating at the top in an inwardly directed flange, a bottom wall in said casing provided with an air inlet passage, means associated with said passage to produce a blast of air, and direct the same upwardly between said casing and bowl to form a substantially annular column of air adapted to intercept liquid discharging from the top of said bowl in the form of a horizontal film and being projected against the inner wall of said casing, said casing comprising cooling means including a helical spacing member between the walls of the casing, a cooling water inlet means at the lower end of said wall, outlet means for said water at the top of said wall, means for circulating cooling water helically from bottom to top in said casing while liquid discharged from said bowl against said casing, after aeration, drains downwardly over said casing wall for cooling, and discharge means for said cooled, aerated liquid adjacent the bottom of said casing.

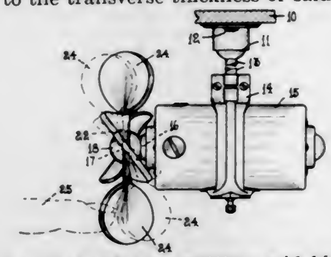
2,182,160
MINNOW BUCKET
Howard M. Nelson, Louisville, Ky., assignor to Stratton & Terstegge Co., Louisville, Ky., a corporation of Kentucky
Application March 8, 1938, Serial No. 194,652
2 Claims. (Cl. 43—56)



1. In a minnow bucket the combination of an outer pail member and an inner pail member removably insertable therewithin, said inner pail member having an offset element thereon including a depending portion adapted to frictionally engage the inner wall of said outer pail member to yieldably maintain said members against relative displacement when in telescoped position, said depending portion being adapted to engage over the upper open end of said outer pail member and against a part of the outer surface thereof to support said inner pail member above and in partially telescoped relation to said outer pail member and to substantially restrain lateral movement of said inner pail member.

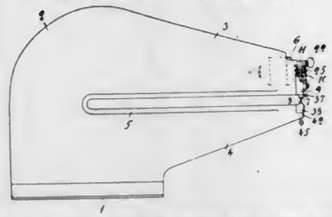
2,182,161
FLEXIBLE FAN
Peter Nielsen, Omaha, Nebr., assignor to Jubilee Manufacturing Co., Omaha, Nebr., a corporation of Nebraska
Application April 7, 1938, Serial No. 200,663
1 Claim. (Cl. 170—159)

A fan comprising a plurality of radially arranged metal blade members having an integral central portion, said central portion having an axially disposed opening in said metal, a hub member having a lesser diameter than said opening axially disposed in said opening, said hub being provided with an axially disposed bore for receiving a driver shaft for rotating said hub in a fixed plane, a rubber covering engaging entirely about said blade members and having an annularly disposed portion connected with said hub, said annular portion being relatively thin with respect to the transverse thickness of said cover-



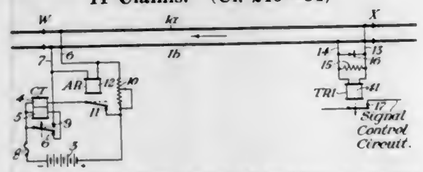
ing of the blades for permitting said blades to have unitary flexing movements with respect to said hub during a rotation of said hub.

2,182,162
MACHINE FOR CUTTING OR SHEARING METAL PLATES AND THE LIKE
Karl Gustaf Östberg, Stockholm, Sweden, assignor to Fabriksaktiebolaget Haldataxametern, Halmstad, Sweden, a company of Sweden
Application December 8, 1937, Serial No. 178,787
In Sweden December 12, 1936
16 Claims. (Cl. 164—47)



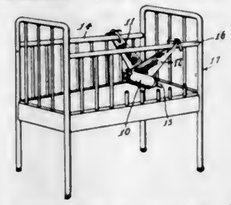
1. A plate shearing machine having two chisel-shaped cutting tools one of which of least is adapted to perform a reciprocating movement, and in which the cutting tools are angularly displaced relatively to one another so that the cutting planes of the cutting edges will diverge at an acute angle in the direction of feed of the plate to be cut.

2,182,163
RAILWAY SIGNALING APPARATUS
Willard P. Place, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 6, 1939, Serial No. 266,368
11 Claims. (Cl. 246—34)



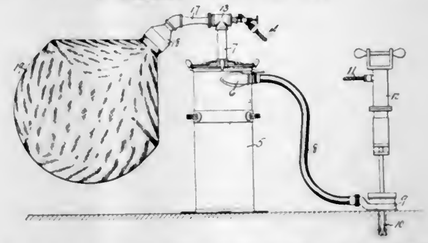
1. In combination, a track section, a source of direct current, transmitting means operative to connect said source across the rails at one end of the section for supplying to said rails time spaced impulses of current, means connected across the rails at said one end of the section variably affected by wet and dry ballast conditions of the section to control the duration of each of said impulses of current, and a track relay connected across the rails at the other end of the section effectively energized by said impulses of current.

2,182,164
BOTTLE HOLDER
Max B. Rosenberg, Los Angeles, Calif.
Application June 17, 1938, Serial No. 214,215
3 Claims. (Cl. 248—104)



3. A holder for nursing bottles, including a substantially cylindrical holding member and having a pair of fabric supporting members approximately triangular shaped, the sides of said triangular supporting members being of unequal length and the triangular holding members being attached at their shortest sides to the said holding member along a seam extending longitudinally of the holding member between the ends thereof, the triangular supporting members having their longest sides joining the shortest sides at an angle less than 90° and their sides of intermediate length joining the shortest side at an angle greater than 90° whereby the outwardly extending supporting members are adapted to maintain the holding member in an inclined position from the horizontal when the said triangular supporting members are attached to spaced fixed supports.

2,182,165
DUST SEPARATOR AND COLLECTOR
Lester C. Smith, West Hartford, Conn., assignor to The Spencer Turbine Company, Hartford, Conn., a corporation of Connecticut
Application February 19, 1938, Serial No. 191,454
8 Claims. (Cl. 183—34)

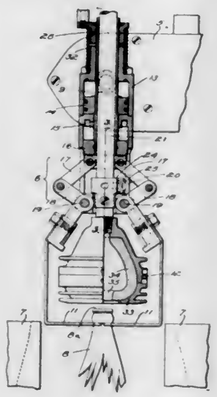


1. In a portable dust separator and collector system, a primary separator constructed to separate and collect the heavier particles by the action of centrifugal motion and gravity, a secondary separator including a filter bag, a conduit connection between the two separators readily detachable therefrom whereby the primary separator may be withdrawn from the system for replacement by a similar unit for substantially uninterrupted operation of the system and an impeller in the system to effect air flow therethrough.

2,182,166
GLASSWARE TAKEOUT AND FIRE-FINISHING DEVICE
Walter K. Berthold, Rockville, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application August 5, 1937, Serial No. 157,463
6 Claims. (Cl. 49—14)

4. A unitary takeout and fire-finishing device,

comprising tongs for transferring articles of glassware, a burner for fire-finishing articles carried by said tongs, a valve for controlling the supply of gas to said burner, means for closing and opening said tongs, and means responsive to the operation of the last named means for opening and closing said valve.

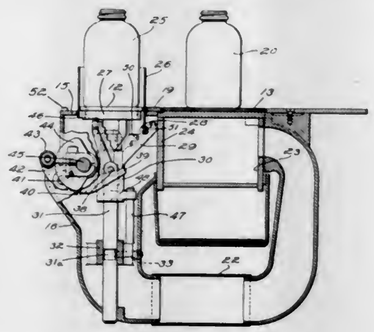


2,182,167

APPARATUS FOR COOLING GLASSWARE

Walter K. Berthold, Rockville, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application February 17, 1938, Serial No. 190,919
4 Claims. (Cl. 49—14)



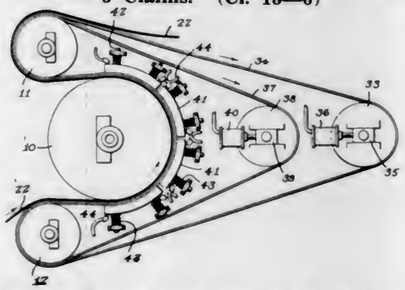
1. In combination, a perforated dead plate on which a newly produced article of glassware may be disposed, a vertically reciprocable tubular member adapted to surround said dead plate and the article thereon in spaced adjacent relation with the dead plate and article, means for reciprocating said tubular member to raise the upper end of the member to a level located a substantial distance above the bottom of the article on the dead plate and thereafter to lower said tubular member until the upper end thereof is not above the level of the dead plate, and means for applying cooling fluid to said article through the perforations in the dead plate and the space between said article and the surrounding tubular member when said tubular member is in its raised position.

2,182,168

VULCANIZING MACHINE

John M. Bierer, Waban, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts

Application June 3, 1936, Serial No. 83,259
3 Claims. (Cl. 18—6)



2. A continuous vulcanizing machine having a heated vulcanizing drum, a pressure band passing about an arcuate portion of the drum and arranged to maintain the material to be vulcanized under pressure upon said portion of the drum, an auxiliary pressure band engaging said arcuate portion of the first-named pressure band, a movable heater comprising a plurality of independent segments, and independent resilient means for each segment acting to hold the heater in contact with said arcuate portion of the auxiliary band.

2,182,169

BELTING SPLICE AND METHOD

John M. Bierer, Waban, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts

Application April 28, 1937, Serial No. 139,429
18 Claims. (Cl. 154—4)



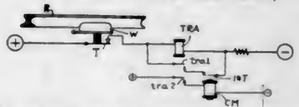
1. A method of splicing the ends of a belt cover which consists in cutting each of the two ends of the cover diagonally thereacross along a stepped line producing on each end diagonally arranged steps each of well defined area and having a plurality of warp threads extending from an end of the cover, laying the ends onto the belt body with the steps of one end located adjacent to and respectively in alignment with the steps of the other end longitudinally of the belt, and completing the splice by vulcanizing rubber under pressure over an area including the steps.

2,182,170

RAILWAY SIGNALING SYSTEM

Andrew Brown, London, England, assignor to International Standard Electric Corporation, New York, N. Y.

Application February 23, 1938, Serial No. 192,079
In Great Britain March 25, 1937
2 Claims. (Cl. 246—247)



1. Axle-counting equipment comprising a relay,

treadle controlled contacts for normally maintaining said relay energised, a normally de-energised counting magnet, normally closed counting contacts arranged to be opened by complete energisation of said counting magnet, contacts controlled by said relay for completing an energising circuit for said counting magnet in response to de-energisation of said relay, and means comprising said counting contacts for maintaining said relay de-energised, in response to an opening of said treadle controlled contacts, until said counting magnet has become fully energised even after a reclosure of said treadle controlled contacts.

2,182,171

CALF FEEDING SUPPLEMENT

James M. Coyner, Madison, Wis., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application February 16, 1938, Serial No. 190,875
2 Claims. (Cl. 167—53)

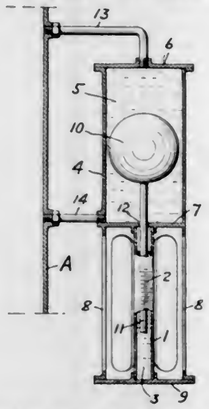
1. A calf feeding mineral supplement comprising about thirty to fifty percent bone meal, ten to thirty percent calcium carbonate, ten to twenty percent calcium lactate and ten to twenty percent calcium gluconate.

2,182,172

SPECIFIC GRAVITY INDICATOR

Howard H. Decker, Fairview, N. J., assignor to Schutte & Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 29, 1937, Serial No. 133,517
2 Claims. (Cl. 265—44)



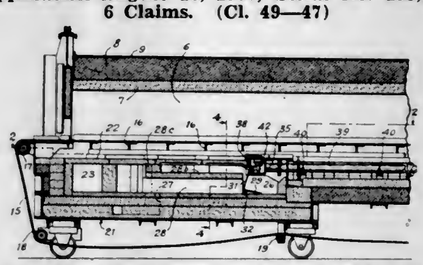
1. A specific gravity indicator comprising, a closed compartment adapted to contain the fluid whose specific gravity is to be measured and having an inlet and an outlet connection thereto, a vessel of transparent material having its interior in communication with the interior of said compartment, a liquid in said vessel which is relatively heavy compared with the fluid whose specific gravity is to be measured, a float device having a portion of relatively large cross-section immersed in the fluid whose specific gravity is to be measured and having a rigid portion of relatively small cross-section immersed in said heavier liquid to displace the same, and indicia on a vertical wall of said vessel relative to which said float device travels so as to indicate the movement of said float device due to the change of specific gravity of the fluid in said compartment by movement of the free surface of said relatively heavy liquid in said vessel as displaced by the rigid portion of the float.

2,182,173

GLASSWARE ANNEALING LEHR

Francis E. Dorsey, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application August 10, 1937, Serial No. 158,323
6 Claims. (Cl. 49—47)



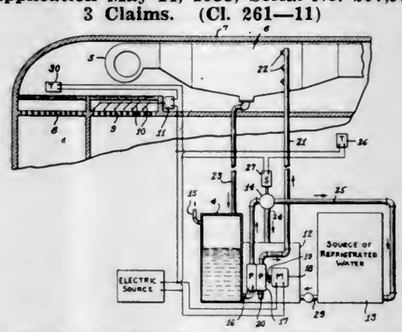
1. In a glassware annealing lehr, a firebox having a portion thereof in heat exchanging relation with the tunnel of said lehr, said portion of the firebox being heated by contact of gases of combustion therewith, and means for varying the application of heat to said tunnel by said portion of the firebox comprising a duct extending through said firebox, and means for diverting a substantial portion of said gases of combustion through said duct.

2,182,174

AIR CONDITIONING SYSTEM

Harold F. Finnemore, Mount Royal, Quebec, Canada, assignor to B. F. Sturtevant Company of Hyde Park, Boston, Mass.

Application May 14, 1938, Serial No. 207,953
3 Claims. (Cl. 261—11)

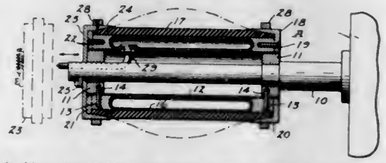


3. An air conditioning system for a passenger vehicle comprising in combination, an overhead air washer, means forming an air relief chamber below said washer, means forming a sump alongside said chamber, means forming a source of refrigerated water, piping connecting said source and said sump for supplying water from said source into said sump, piping connecting said washer and said chamber for returning the water drained from said washer, a two-way valve located above said sump and connected to said sump and to said source, means including a pump connected to said chamber and said valve for drawing water from said chamber for supplying through said valve to said sump or to said source, means for adjusting said valve, and means including a second pump for drawing water from said sump for supplying to said washer.

2,182,175
METHOD OF PREPARATION OF LEGUMINOUS FOODSTUFFS
Rupert G. Gates, Sharon, Mass., assignor of one-half to Charles L. Wickersham, Sharpsburg, Pa.
No Drawing. Application March 27, 1937. Serial No. 133,421
4 Claims. (Cl. 99—98)

1. The method of producing a palatable precooked food product from soya beans, which comprises grinding soya beans to produce soya bean flour, steaming the flour to remove unpalatable constituents therefrom, mixing the steamed flour with water and minor amounts of edible adhesive and flavoring materials to form a dough, cooking the dough without completely dehydrating it, forming the cooked dough into pieces of the desired size and shape, and toasting said pieces.

2,182,176
APPARATUS FOR FORMING PNEUMATIC TIRE CASINGS
Harvey F. Maranville, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 17, 1935, Serial No. 26,929
8 Claims. (Cl. 154—9)



2. A tire building drum comprising a rotatable supporting member, a cylindrical sleeve of deformable material surrounding said supporting member in spaced relation, spaced means supporting the ends of said sleeve on said member, inextensible means surrounding the end portions of said sleeve, and an inflatable tube in the space between said supporting member and sleeve for circumferentially expanding said sleeve intermediate said inextensible means, each of said inextensible means having an annular tire bead abutment flange extending radially therefrom, one of said inextensible means being removable from said sleeve to permit a tire carcass formed on said sleeve to be axially slipped therefrom.

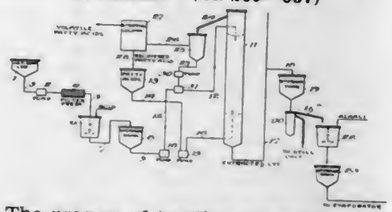
2,182,177
TUBE AND OTHER CONTAINER
Harold D. Newell, Beaver Falls, Pa., assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa., a corporation of Pennsylvania
No Drawing. Application May 11, 1938, Serial No. 207,380
3 Claims. (Cl. 138—47)

1. A tube or other container or part thereof for use at elevated temperatures in heating fluids under high pressure having high creep strength and corrosion-resistance properties, made of an alloy containing about 2 to 3.25% chromium, about 0.9 to 1.75% molybdenum, and carbon below 0.20%, the balance being substantially iron.

2,182,178
DERIVATIVE OF SUBSTITUTED SUCCINIC ACIDS
Walter Pinkernelle, Krefeld-Uerdingen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 20, 1937, Serial No. 132,095. In Germany March 21, 1936
9 Claims. (Cl. 260—326)

1. A succinic acid substituted in one of its methylene groups by one aliphatic hydrocarbon radicle containing at least 8 carbon atoms and at least one acid hydroxyl group of which is substituted by an amino radicle.

2,182,179
TREATMENT OF GLYCERIN LYES AND OF CRUDE GLYCERIN
Ralph H. Potts, La Grange, and Edwin W. Colt, Evanston, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
Application November 8, 1937, Serial No. 173,539
20 Claims. (Cl. 260—637)



1. The process of treating glycerin-containing materials of the class of acidified soap lyes, acidified soap lye crudes and acidified residues prior to the recovery of glycerin therefrom which comprises the step of extracting material of the class described with a water-insoluble solvent for organic impurities therein which solvent does not substantially dissolve glycerin in said material.

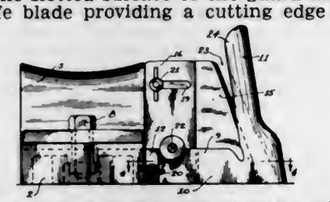
15. In the recovery of glycerin from soap lyes the steps which comprise acidifying the lye with hydrochloric acid until the pH of the lye is about 3 to 4, extracting the acidified lye with a fatty material chosen from the group consisting of water insoluble triglycerides and fatty acids having a molecular weight higher than that of fatty acids in the acidified material, neutralizing the acidified extracted lye and recovering glycerin therefrom.

2,182,180
COMPOSITIONS FROM RUBBER AND FATTY ACIDS AND PROCESSES OF PREPARING THE SAME
Anderson W. Ralston and William M. Selby, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 13, 1937, Serial No. 179,592
12 Claims. (Cl. 260—108)

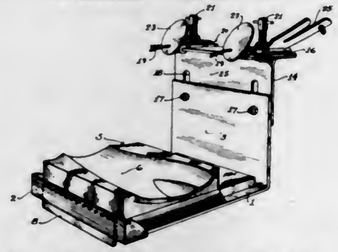
9. The process which comprises dissolving unvulcanized rubber in a solvent therefor, admixing a fatty acid containing at least six carbon atoms therewith, adding aluminum chloride thereto, heating the reaction mixture and, after the reaction is complete, hydrolyzing the reaction mixture to liberate an aluminum free reaction product.

2,182,181
CUTTER
Bernard J. Sadoff, Buenos Aires, Argentina, assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application May 10, 1937, Serial No. 141,853
1 Claim. (Cl. 30—290)

A cutter comprising a base, a guard member extended from the base, a recess in the base, a continuous slot extended from the recess, through the base and within the adjacent surface of the guard member, a pair of extension plates adapted to be rigidly secured within the recess, a knife blade adjustably secured between the extension plates and within the slot in the base for movement from and toward the guard member and within the slotted surface of the guard member, the knife blade providing a cutting edge angularly extended relative to the slotted surface of the guard member and mounted to intersect the slotted surface of the guard member.

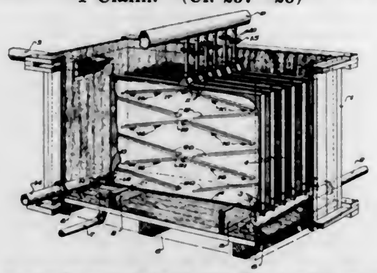


2,182,182
TYING FIXTURE
Charles L. Straeten, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application November 26, 1937, Serial No. 176,719
6 Claims. (Cl. 100—31)



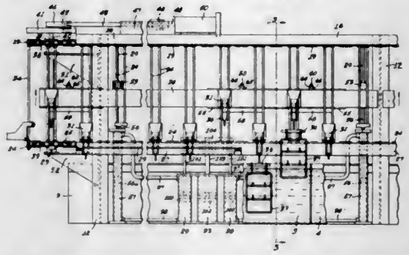
6. A tying device comprising a base, an upright mounted on the base, spaced loop supporting and spacing rods secured to the upright and extending in substantially parallel relationship above the base, the base being so positioned relative to the parallel rods that an article placed thereon will be in such proximity to the rods to facilitate passage around the article of a string with loops of the string about the rods in tie formation thereon.

2,182,183
CONDENSER
Joseph John Thompson, Battle Creek, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware
Application May 2, 1938, Serial No. 205,484
1 Claim. (Cl. 257—28)



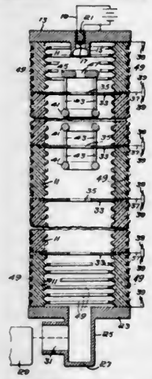
In a condenser, a tank provided with an overflow outlet for cooling water and containing a plurality of closely and parallelly spaced hollow, flat, relatively thin, vertically disposed vapor condensing units arranged in parallel and located below said overflow outlet, vapor inlet means for each of said condensing units, condensate outlet means for each of said condensing units, cooling water inlet means in said tank disposed adjacent the bottom of said tank and having inlet jets on each side of each of said condensing units, which jets are adapted to jet the incoming water onto the sides of said condensing units.

2,182,184
ELECTROPROCESSING MACHINE
Guerin Todd, Shrewsbury, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application September 7, 1937, Serial No. 162,707
13 Claims. (Cl. 214—17)



1. In an electroprocessing machine, means for moving a plurality of work piece carrying arms along a path whereby said pieces are subjected to bath treatment, and vertically reciprocable elevator means for engaging and moving said arms while maintaining the longitudinal position of the arms with respect to said carrying means unchanged, said vertically reciprocable moving means being adapted for intermittently engaging certain of said arms for movement thereof.

2,182,185
HIGH VOLTAGE IONIC DISCHARGE DEVICE
John G. Trump, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application June 24, 1938, Serial No. 215,596
8 Claims. (Cl. 250—27.5)



1. A high voltage electrical discharge device for the multiple acceleration of charged particles, comprising a thick-walled, highly evacuated, insulating container having a pair of main electrodes between which a beam of charged particles is adapted to pass, means to establish lengthwise on the interior walls of the container a series of equi-potential surfaces transversely of the container and means separating said envelope inte-

riorly into a plurality of successive communicating sections comprising a plurality of orificed diaphragms for shielding said surfaces from direct impact by the beam of accelerated particles, and maintaining a limited, controlled difference of potential in each section.

2,182,186

GLUE TREATMENT

Walter M. Urbain and Lloyd B. Jensen, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 24, 1936, Serial No. 117,565
7 Claims. (Cl. 260—118)

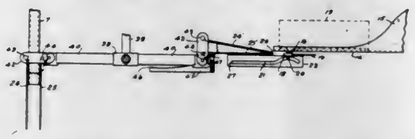
7. In the manufacture of glue having a light color, the step of adding to the glue liquor a mixture of from 1 per cent. to 2 per cent. potassium nitrate and approximately 0.6 per cent. hydrogen peroxide, the percentages computed upon the solids basis of the glue liquor.

2,182,187

APPARATUS FOR CHARGING CONTAINERS WITH INERT GAS AND MATERIALS

Melvin Wagner, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware

Application December 19, 1936, Serial No. 116,807
14 Claims. (Cl. 226—51)



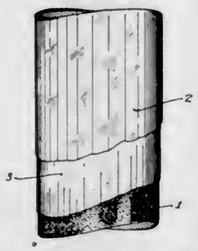
1. In combination, a mandrel having means for discharging therefrom materials to fill a container, means of discharging therefrom gas to fill a container, means of supporting a container to receive said mandrel, and means associated with said mandrel for moving it into the container and for directing the container into a carton to load the container in the carton.

2,182,188

LAMINATED SAUSAGE CASING

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application November 30, 1938, Serial No. 243,293
4 Claims. (Cl. 99—176)



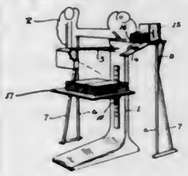
1. A sausage casing comprising a layer of fabric, a layer of cellulosic material, and an intermediate layer of regenerated viscose cellulose bonded to the fabric and to the cellulosic material.

2,182,189

ATTACHMENT FOR CARTON STITCHING MACHINES

John K. Wickliffe, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application July 5, 1938, Serial No. 217,636
3 Claims. (Cl. 1—11)



1. In combination with a carton stitching machine including a standard provided with a stitching head and anvil extending forwardly from the standard, a track secured to the standard and a carton end blank holding ledge adjustably mounted on the track and extended forwardly from the track in substantially parallel relationship with the anvil.

2,182,190

MEAT WRAPPING METHOD

Beverly E. Williams and Leon L. Cadwell, Chicago, Ill., assignors to Swift and Company, Chicago, Ill., a corporation of Illinois

Application August 24, 1938, Serial No. 226,570
5 Claims. (Cl. 99—174)



1. The method of treating edible animal carcasses or wholesale portions thereof which comprises covering the surface of the meat with moist paper and thereafter enclosing the moist paper covered meat in an outer wrapping.

2. The method of treating edible animal carcasses or wholesale portions thereof which comprises applying brine moistened paper to the surface of the meat and thereafter enclosing the brine moistened paper covered meat in an outer wrapping.

2,182,191

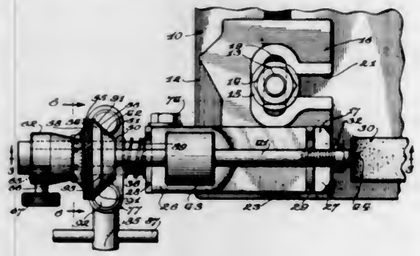
VALVE STEM GRINDING FIXTURE

Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa

Original application December 28, 1935, Serial No. 56,438, now Patent No. 2,088,359, dated July 27, 1939. Divided and this application April 21, 1937, Serial No. 138,134
6 Claims. (Cl. 51—124)

1. In a device for determining the length of valve stems, the combination of a grinding wheel with a fixture having means for supporting the

stem of a valve in position so that the end of the valve will be engaged by said grinding wheel, said fixture having a pair of transversely extending stop members having angular surfaces, with a gauge member, said gauge member being mounted on a dummy stem, and comprising a head formed with two parts having adjacent inner and outer frusto-conical surfaces, one of



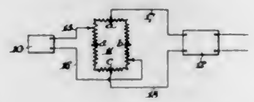
said frusto-conical surfaces being spaced axially with respect to the other by an amount equal to the desired clearance of a valve stem and said frusto-conical surfaces being spaced radially from each other, said stop surfaces being located to engage the inner of said frusto-conical surfaces and to engage the frusto-conical valve seat surface of a valve.

2,182,192

VARIABLE ATTENUATION OR GAIN CONTROL SYSTEM

Frank V. Becker, Drexel Hill, Pa.

Application June 10, 1937, Serial No. 147,418
18 Claims. (Cl. 179—1)



1. A gain control system including an input circuit, an output circuit, a bridge device interposed between said input and said output circuits, said bridge device having four major arms and having at least two of said arms oppositely disposed, and means for variably connecting one of said circuits to said oppositely disposed arms for varying the effect of said arms.

2,182,193

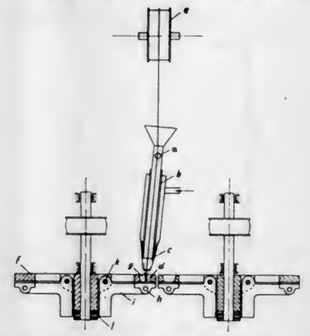
PROCESS AND DEVICE FOR CUTTING FIBERS IN ROPE FORM, ESPECIALLY SYNTHETIC FIBERS

Emil Blaschke, Berlin-Tegel, Germany

Application July 3, 1936, Serial No. 88,845
In Germany July 6, 1935
11 Claims. (Cl. 164—17)

1. Process for cutting a continuously fed filament of fibers, particularly synthetic fibers, consisting in equally exposing said filament upon all sides to and engaging it by the pulling action of a liquid forced by pressure through a suitably formed jet into the opening of a stationary cutting ring against which rotate one or more cutting knives.

11. A rotary cutting device comprising a feed, a cutting ring perforated in alignment with said feed, a cutter slidable upon said ring over a perforation of said ring, a lever swivably supporting said cutter, and a supporting element upon which said lever is fulcrumed, said element being coaxially rotatably mounted relatively to said ring,



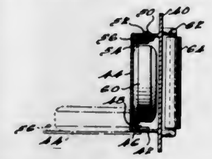
so that said lever presses said cutter onto said ring by reason of the centrifugal momentum tending to swing it around its fulcrum, when said element is rotated.

2,182,194

WATCH MOUNTING

Albert S. Blau, Detroit, Mich.

Application February 10, 1938, Serial No. 189,845
1 Claim. (Cl. 58—88)



In combination, a belt buckle including a plate member, upstanding imperforate walls on said plate member cooperating therewith to form an open faced receptacle, a cover for the open face of said receptacle hinged to said receptacle along its lower edge, releasable means normally holding said cover in closed position whereby to seal the interior of said receptacle against the entrance of dust and dirt, a watch supported on the inner face of said cover and movable therewith to a position in which it is completely concealed within and protected from harm by said receptacle and cover or to a position in which it is exposed exteriorly of said receptacle, and a winding stem for said watch projecting therefrom but normally lying within the margins of said cover and movable with said watch from a position completely concealed and protected within said receptacle to a position exposed for manipulation exteriorly thereof.

2,182,195

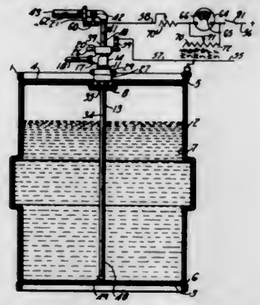
DEVICE FOR MEASURING BEER IN A BARREL

Ira I. Bornstein, Kansas City, Mo.

Application December 31, 1934, Serial No. 759,897
5 Claims. (Cl. 201—48)

1. In an apparatus for passing a measuring current through beer in a barrel, an electrode comprising a tapping rod including a current conducting section, an insulating section connected with the lower end of the current conducting section, an inlet fitting on the lower end

of the insulating section, and an electric conductor in the interior of the insulating section



to bridge the insulation between said inlet fitting and the current conducting section.

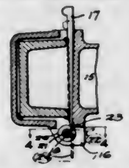
2,182,196
PLUGGING TOOL
Cicero C. Brown, Houston, Tex.
Application July 23, 1936, Serial No. 92,063
7 Claims. (Cl. 166—13)



1. A plugging tool for wells and the like comprising a body having an upwardly facing shoulder thereon, a packing surrounding said body in engagement with said shoulder, a compression ring surrounding said body above said packing for sliding movement toward said packing to compress the same, and a set of slips slidable with respect to said body and adapted to engage the walls of the well and said compression ring to cause expansion of said packing and locking of said body in the well upon small upward movement of said body with respect to said slips.

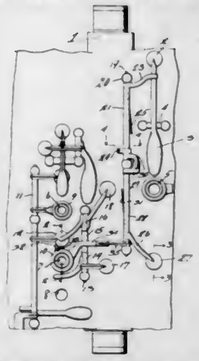
2,182,197
RAILWAY BRAKE BEAM STRUCTURE
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application April 21, 1939, Serial No. 269,195
12 Claims. (Cl. 188—231)

1. A railway brake beam strut having an aperture for receiving the end portion of a key for retaining the strut in position upon a brake beam member, there being means at the edge of said aperture for preventing a sharp bending of the end portion of the key when its end is deformed to hold the key against withdrawal there being means adjacent the edge of the aperture for shielding the adjacent portion of the key over-



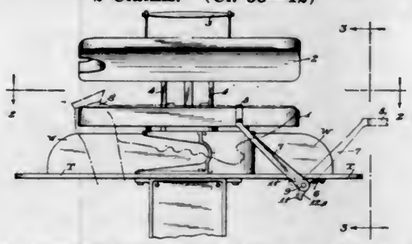
lying said edge against direct pounding by a hammer or similar tool.

2,182,198
BOEHM SYSTEM CLARINET
Oscar E. Christensen, Salt Lake City, Utah
Application February 9, 1939, Serial No. 255,510
4 Claims. (Cl. 84—382)



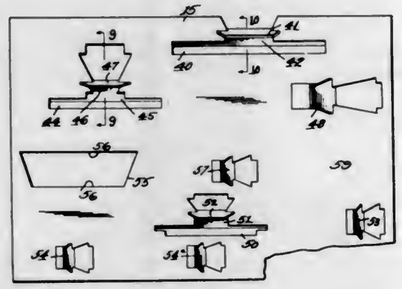
1. In a Boehm system clarinet, means for bringing the tones B♭, B and C (above the staff) to true pitch when the instrument is properly tuned to E♭, E and F (first line and first space of staff), which comprises the addition of a normally closed tone hole to the instrument, and means for opening said tone hole simultaneously with the opening of the register key only when the fingering is employed for producing the said tones B♭, B and C, the said means being used for the tones E♭—B♭ when using only the E♭—B♭ fingering in which the first finger of each hand covers its respective tone hole.

2,182,199
PRESSING MACHINE CLAMP
Hyman Elias Cohen, Brooklyn, N. Y., assignor to New York Pressing Iron Co. Inc., New York, N. Y., a corporation of New York
Application January 2, 1937, Serial No. 118,835
2 Claims. (Cl. 38—12)



1. A pressing machine having a table and a buck located above said table and a device for holding the tail-portion of a garment on said buck, said device comprising a front arm and a rear arm and a transverse holding-member which is connected to the upper portions of said arms, brackets connected to the underside of said table, a shaft mounted turnably in said brackets, said arms being secured to said shaft so that said arms are turnable in unison with said shaft, the lower portions of said arms being spaced outwardly from the adjacent edges of the table, the upper portions of said arms being bent inwardly over said table, said arms being turnable to a first position in which arms and said holding-member are spaced in an endwise direction from said buck so that the buck is entirely free, said arms being also turnable to a second position in which said holding-member overlies said buck and said holding member can hold said tail-portion on said buck, stop-means constructed and located to maintain said holding-member above said table in the first position of said arms.

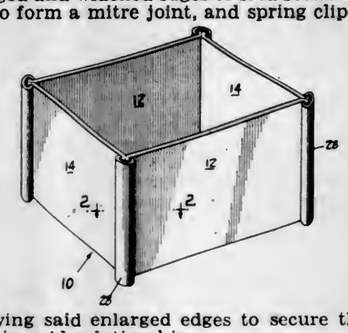
2,182,200
DISPLAY CASE FOR BOUDOIR ACCESSORIES
Alfred S. Donaldson, Newark, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
Application July 30, 1936, Serial No. 93,404
9 Claims. (Cl. 206—44)



1. As an article of manufacture, a toilet accessory display case comprising a flat paper board having a long perforation therethrough for the reception of the lower edge of an accessory tray or the like, a slanting wall extending from above the surface of the board at a point adjacent to said perforation to a point materially below the same, slanting all the way to provide a back against which an accessory can be located in inclined position, a part of the paper board of which the case is made extending backwardly downwardly at an angle from the top of said wall and anchored to the case so as to form a brace or support for the wall.

2,182,201
CARBURIZING BOX
Henry H. Harris, Champaign, Ill.
Application July 28, 1937, Serial No. 156,042
Renewed May 6, 1939
6 Claims. (Cl. 263—49)

1. A carburizing box comprising a pair of side wall sections and a pair of end wall sections, the vertical edges of each of which sections are angulated, enlarged and widened to provide a substantial increase in edge area, said side and end wall sections being disposed in edge abutting relationship at right angles to each other, the angulated, enlarged and widened edges of said sections abutting to form a mitre joint, and spring clip means



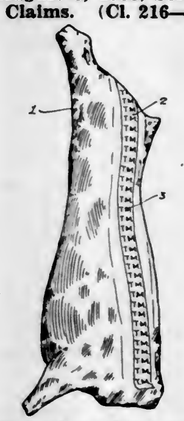
overlying said enlarged edges to secure the sections in said relationship.

2,182,202
ROLLER RAIL FOR HEAT TREATING FURNACES
Henry H. Harris, Champaign, Ill.
Application March 19, 1938, Serial No. 196,852
6 Claims. (Cl. 193—35)



1. A roller rail assembly for use in heat treating furnaces comprising a plurality of spaced-apart individual support blocks, a pair of parallel and spaced-apart wall members resting on and in direct contact with said supports, rollers mounted on said wall members for rotation therebetween, cross members connecting said wall members, and means to secure the wall members to the supports.

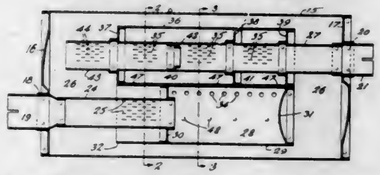
2,182,203
MEAT MARKING
Andrew S. Hartanov, Chicago, Ill., assignor to Swift and Company, Chicago, Ill., a corporation of Illinois
Application August 8, 1938, Serial No. 223,778
5 Claims. (Cl. 216—62)



5. The method of marking meat having natural adhesive serum and natural moisture by exudation on the surface thereof, the natural

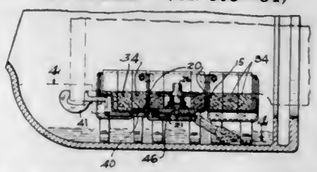
adhesive serum being of greater concentration adjacent the surface, which comprises wiping the surface to remove substantially only the moisture therefrom and thereafter applying a strip of cellulose material bearing identifying marks.

2,182,204
SILENCING THE EXHAUST OF INTERNAL COMBUSTION ENGINES
Luther Grant Hector, Buffalo, N. Y., assignor to Buffalo Pressed Steel Company, Buffalo, N. Y.
Application April 19, 1937, Serial No. 137,686
13 Claims. (Cl. 181—54)



1. A muffler having an open ended continuous conduit which receives gases at one end thereof and which has a discharge opening therein spaced from the other end thereof, and a substantially closed chamber in which said other end of said conduit terminates, the wall of said chamber having perforations to reduce natural resonance of said chamber, whereby most of the gases discharged into said chamber are returned to said conduit and discharged through said opening therein.

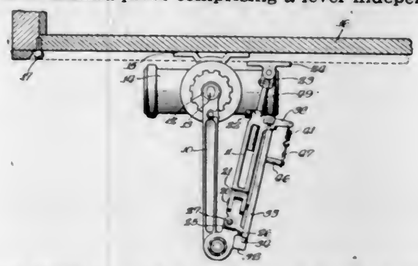
2,182,205
RAILWAY JOURNAL LUBRICATOR
James J. Hennessy, Montclair, N. J.
Application December 16, 1936, Serial No. 116,058
14 Claims. (Cl. 308—84)



4. In a device of the class described, a plurality of sections having lubricant distributing material and hinged to each other to form a longitudinally straight lubricant distributing surface from end to end of the device and to swing into angular relationship to facilitate application and removal of the device to and from the journal and journal box, a lubricant pump cylinder and piston carried by one of said sections, and a piston operating member carried by another of said sections, said cylinder and piston and said member being mounted on the respective sections independently of each other and movable with their sections into and out of cooperating relationship.

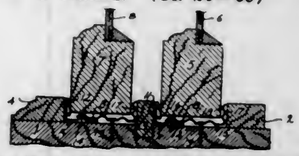
2,182,206
RELEASABLE HOLDING ARMS FOR DOOR CHECKS
David R. Lasier, Chicago, Ill., assignor to Norton Lasier Company, Chicago, Ill., a corporation of Illinois
Application May 27, 1938, Serial No. 210,353
6 Claims. (Cl. 189—49)

1. A holding device adapted to be pivotally connected between a door and door sill, respectively, comprising, in combination, an arm having a friction face on one end, an element having a cooperating friction face pivotally connected to said end of said arm, a second arm independently pivoted at one of its ends to said element, releasable means for normally holding inactive said second-named pivot comprising a lever independ-



ently pivoted to said element and adapted to have holding engagement with a portion of said second arm, and means including a fusible link connected at one of its ends to said lever and at the other of its ends to a member carried by said second arm adjacent the other end thereof, said means being so disposed as to locate said fusible link adjacent said other end of said second arm.

2,182,207
WEATHER STRIP ASSEMBLY
Louis A. Macklanburg, Oklahoma City, Okla.
Application April 25, 1938, Serial No. 204,036
8 Claims. (Cl. 20—69)



1. A weather strip assembly for sliding window sash including: two metal strips having their adjacent edge portions lapped one over the other, said portions lying between the face of a window frame and the edge of a window sash rail; resilient means carried by the opposite edge portions of the strips for sealing engagement with the sides of the sash rail; and interlocking means carried by the lapped portions of the strips whereby attachment of one strip to the window frame serves to anchor the other strip thereto.

2,182,208
SILICON MODIFIED PHENOLIC RESINS AND PROCESS FOR PRODUCING SAME
Howard K. Nason, St. Louis, Mo., assignor to Anderson-Stolz Corporation, Kansas City, Mo., a corporation of Missouri
No Drawing. Application June 9, 1937, Serial No. 147,379
15 Claims. (Cl. 260—19)

5. The silicon modified phenolic resin which is the reaction product of constituents consisting essentially of a material selected from the group of phenols consisting of para-tertiary-butylphenol, para-isoamylphenol and para-cresol; formaldehyde; and of a material selected from the group of silicon compounds consisting of alkyl ortho-silicate, a silicon tetrahalide, an alkyl substituted silicon halide, and an aryl substituted silicon halide.

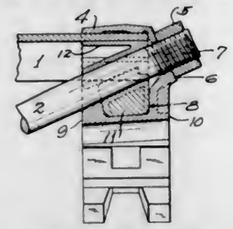
6. The silicon modified phenolic resin which is

the reaction product of constituents consisting essentially of a material selected from the group of phenols consisting of para-tertiary-butylphenol, para-isoamylphenol and para-cresol; formaldehyde; of a material selected from the group of silicon compounds consisting of alkyl ortho-silicate, a silicon tetrahalide, an alkyl substituted silicon halide, and an aryl substituted silicon halide; and a vegetable oil.

2,182,209
EGG PRODUCT
Roy C. Newton and Leon D. Mink, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 23, 1936, Serial No. 112,292
18 Claims. (Cl. 99—210)

1. An egg product consisting essentially of dried egg material and a glyceryl ester of a higher fatty acid having a free glyceryl alcohol group.

2,182,210
RAILWAY BRAKE BEAM
Clarence W. Osner and Herbert W. Ekholm, Chicago, Ill., assignors to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 3, 1939, Serial No. 277,201
20 Claims. (Cl. 188—226)



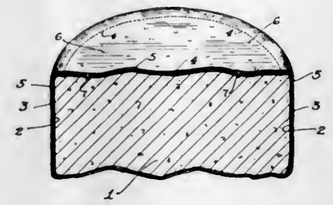
1. In a railway brake beam, a compression member, a brake head member thereon, a tension bar extending through said brake head member, a tensioning device operatively engaging the end portion of said tension bar, and separately formed elongated filler structure seated throughout its length against at least one of said members and engaging said tension bar to hold the portion of the latter passing through said brake head member against bending movement relative to the portion thereof engaged by said tensioning device.

2,182,211
PREPARATION OF SAUSAGE
Levi Scott Paddock, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 21, 1936, Serial No. 112,075
5 Claims. (Cl. 99—109)

1. The method of preparing casingless sausage which comprises extruding sausage meat through a heated forming tube.

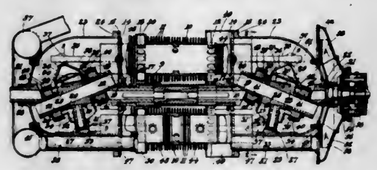
2,182,212
LABELED CHEESE PACKAGE
Clinton H. Parsons, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application October 27, 1937, Serial No. 171,383
4 Claims. (Cl. 216—62)

1. A cheese package comprising a body of cheese covered with paraffin and bearing a waxed label, the wax of the label being bonded to the wax covering of the cheese package and having wax pegs extending through the label and into the body of the cheese.



2. The method of applying a label to a waxed body of cheese which comprises waxing a label, placing the waxed label on the surface of the wax on the cheese, forming wells through the label and the paraffin layer on the cheese of sufficient depth to penetrate the body of the cheese and bonding the label to the cheese by the application of heat.

2,182,213
WOBBLE OR SWASH PLATE ENGINE
Charles Benjamin Redrup, Bristol, England, assignor to The Bristol Tramways & Carriage Company Limited, Bristol, England, a British company
Application August 31, 1938, Serial No. 227,834
In Great Britain September 2, 1937
4 Claims. (Cl. 74—60)

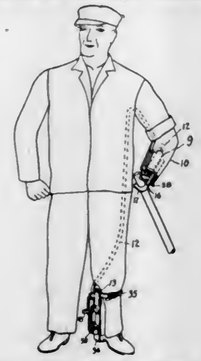


1. A swash-plate engine comprising two mounting-plates spaced apart, face to face, a bearing attached to each said plate, an engine-shaft in said bearings, a plurality of separately formed cylinders fixed to and extending between said plates, two pistons in each cylinder, a swash-member arranged on each end of the engine-shaft, articular connections between said swash-members and said pistons, a housing secured to each plate and adapted to enclose each swash-member and its articular connections, and an additional bearing in each housing for supporting said engine-shaft.

2,182,214
HYDRAULIC ARTIFICIAL HAND
John Sargeson, Levy Township, Quebec, Canada
Application April 10, 1937, Serial No. 136,094
9 Claims. (Cl. 3—12)

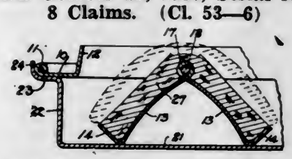
9. In combination, an artificial limb member including a movable element adapted to be attached to a human body, means for actuating said movable element comprising a first cylinder adapted to be attached to said body, a piston in said first cylinder connected for operation by movement of said body, a second cylinder mounted in said artificial limb member, an operative connection between said first cylinder and said second cylinder comprising a conduit adapted

to contain an inelastic fluid, a piston in said second cylinder, and a rod affixed to said last named piston and attached through resilient means to



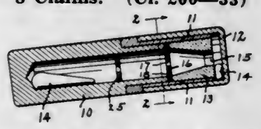
said movable element of said artificial limb member for the actuation thereof.

2,182,215
BAKING PAN
Clyde Elmer Stainbrook, Memphis, Tenn.
Application October 21, 1937, Serial No. 170,185
8 Claims. (Cl. 53—6)



1. A baking pan comprising two elongated complementary halves, each having a bottom, and upwardly turned edge portions along both ends and one side only, and hinge means connecting the opposite side edges of said bottoms.

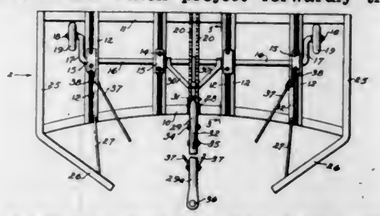
2,182,216
BAFFLED MERCURY SWITCH
Joseph H. Staley, Columbus, Ind.
Application March 19, 1938, Serial No. 196,828
8 Claims. (Cl. 200—33)



1. In a mercury tube switch, a metal tube serving as an electrode, a quantity of mercury flowable in the tube, an electrode carried by and insulated from said tube, a breaker between the electrode and the tube, and a mercury flow baffle maintained in abutment with the tube by said breaker.

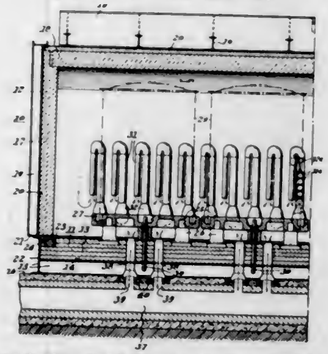
2,182,217
SEAL COATING MACHINE FOR HIGHWAYS
Charles S. Wahlstrom and Thaddeus A. White, Boulder County, Colo.
Application November 7, 1938, Serial No. 239,298
10 Claims. (Cl. 94—44)

1. A seal coating machine for highways, comprising, in combination, a substantially rectangular frame having two spaced, parallel bars connected by cross bars, squeegee members attached to the under side of the first bars for engagement with a supporting surface, the frame being formed from three sections hingedly connected, the end sections being upwardly and inwardly tiltable, the outer ends of the end sections being formed from bars that are longer than the length of the frame which project forwardly thereof



and whose front ends are inwardly and upwardly inclined to serve as guards, and a tongue attached to the center of the middle sections by a lost motion tiltable connection, the tongue extending forwardly between the guards and independent of the latter.

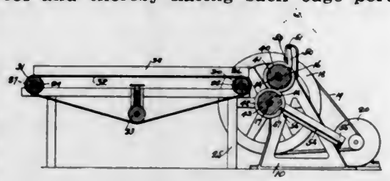
2,182,218
FURNACE FOR HEATING
James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application August 16, 1938, Serial No. 225,125
3 Claims. (Cl. 266—5)



1. A metallurgical furnace comprising a base covered with a refractory layer, a charge support on said base, means mounting said support in vertically spaced relation to said base, an outlet through said layer below said support, a cover disposable on said base, said cover having substantially vertically disposed hairpin-shaped heat-exchange tubes mounted on the inner surface of the wall of the cover, each tube having a burner in one end and an opening near the other, whereby hot combustion gases traversing said tubes heat a charge on said support by radiation and flow under the support to said outlet thereby heating the support by convection.

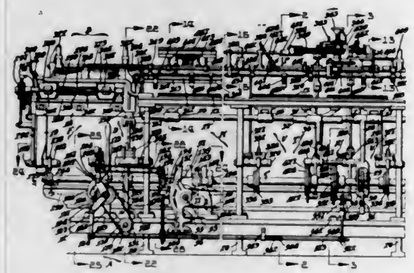
2,182,219
PAPER SHREDDER
Erle G. Ashley, Memphis, Tenn.
Application April 11, 1938, Serial No. 201,227
4 Claims. (Cl. 164—61)

4. In a paper shredding machine, a pair of cutter assemblies mounted to intermesh, each cutter assembly comprising a shaft and alternating cylindrical cutters and spacers, said spacers being of substantially less diameter than said cutters; said cutters and spacers each comprising a multiple number of thin resilient sheet metal discs of equal thickness, each cutter having a complementary spacer, comprising an equal number of discs, and means carried by said shafts for clamping said cutter discs and interposed spacer discs together along said shafts, such clamping inherently reducing the thickness of the clamped portion of said cutters relatively to edge portions thereof and thereby flaring such edge portions



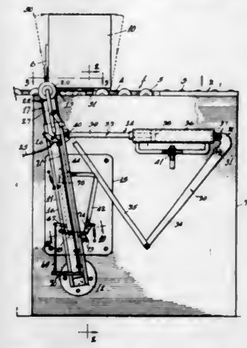
into cutting engagement with complementary edge portions of the cutters of the opposite shaft; said discs of said cutters being substantially identical each with the others and the opposite faces and circumferential face-edges of each said cutter disc being substantially identical, whereby said cutter discs may be removed, interchanged and/or reversed to provide additional cutting edges from time to time.

2,182,220
UNIVERSAL MOVEMENT CONTROL FOR POINT MECHANISM OF FLAT KNITTING MACHINES
Gottlob Bitzer, Lincoln Park, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application May 21, 1938, Serial No. 209,200
25 Claims. (Cl. 66—96)



23. In a full fashioned knitting machine, a front narrowing shaft, point means mounted on said front narrowing shaft for effecting modified loop formations, mechanism for actuating said narrowing shaft to effect dipping movements of said point means, pattern means mounted on said narrowing shaft including a row of pattern elements of different lengths for determining the location of shift of said point means, means including a plunger cooperating with said elements for determining the direction of shift of said point means, said direction determining means including a member operable about an axis parallel to said plunger and cam elements of different lengths, said plunger having a portion operating as a follower for said cam elements, a cam shaft, means operated by the cam shaft for actuating said member, means operated by the cam shaft for advancing said pattern means step by step, and means operated by the cam shaft for moving said plunger beyond the longest of said pattern elements between steps of said advancing means.

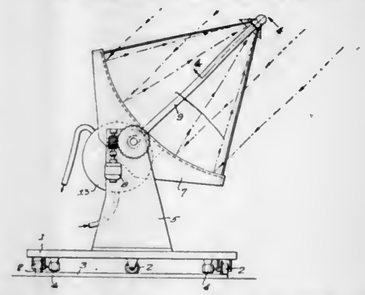
2,182,221
BOX STRAPPING MACHINE
Frederick M. Byl, San Jose, Calif.
Application May 10, 1937, Serial No. 141,654
17 Claims. (Cl. 100—31)



1. In combination, an extensible member, means for swingably supporting one end thereof, means for moving the member to cause its free end to describe the path of a loop, the latter means comprising means for alternating swinging effects with extension and contraction effects and guide means controlling the duration of the effects, and means for feeding a tying strand from said free end during the describing of the loop.

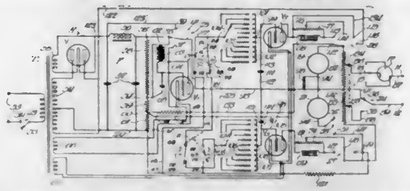
3. In a box strapping machine, a wire holder having means for securing a wire to one end thereof, means for retracting the holder and a guard adjacent the holder for pushing off the wire when the holder is retracted.

2,182,222
SOLAR HEATER
Stuart A. Courtis and Walter F. Courtis, Detroit, Mich.
Application November 23, 1936, Serial No. 112,276
5 Claims. (Cl. 126—270)



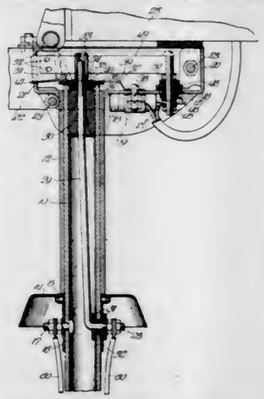
1. Apparatus for collecting and utilizing radiant solar energy comprising a parabolic reflector, a tube rigidly supported in the focus of said reflector, means for circulating energy collecting fluid through said tube, means supporting said reflector for movement about a horizontal axis, a heat exchanger for receiving the circulated fluid and for extracting heat therefrom, said exchanger being mounted on said reflector in counterpoise relation therewith and with said tube whereby a minimum turning effort is required to move said reflector about said horizontal axis, and means for moving said reflector about a vertical axis.

2,182,223
ELECTROPHYSIOTHERAPEUTICAL APPARATUS
Joseph H. Dobert, Millvale, Pa.
Application September 5, 1936, Serial No. 99,543
15 Claims. (Cl. 128—420)



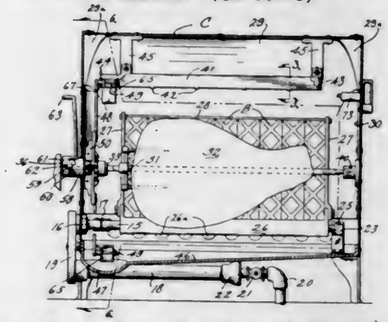
3. An electrotherapeutic apparatus, comprising a source of alternating current, a source of pulsating current, a source of oscillating current, a source of galvanic current, means for converting the currents from said sources into electrophysiotherapeutical modalities known respectively as alternating current, pulsating direct current, oscillating current, and galvanic current, thermionic means for periodically varying the current amplitudes of the last three mentioned modalities to convert them into electrophysiotherapeutical modalities known respectively as pulsating direct current wave and pulsating sinusoidal wave; oscillating wave and oscillating sinusoidal wave; and galvanic wave and slow sinusoidal, and selector means controlling the current sources, the converting means, and said thermionic means for selectively producing the desired modality, said means including a condenser for controlling the potential of a control electrode and thereby the output of said thermionic means, and means for selectively varying the time required to charge and discharge said condenser.

2,182,224
WIND DRIVEN GENERATOR DISTRIBUTOR MECHANISM
William G. Dunn, Clarinda, Iowa
Application September 28, 1938, Serial No. 232,119
16 Claims. (Cl. 173—324)



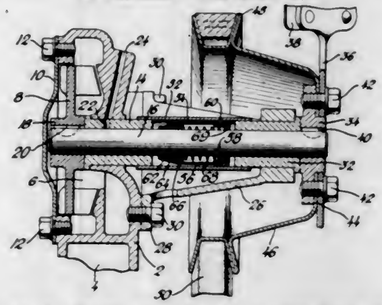
1. In a distributor mechanism, a tubular support, a sleeve mounted rotatably thereon, a supporting member carried by said sleeve, a contact washer at the top of said tubular support, a second contact washer engaged therewith, a leaf spring mounted on said supporting member and engaging said second washer with said first washer to establish a circuit connection, said second washer being floatingly mounted relative to said leaf spring, a contact bushing extending upwardly from the top of said tubular support, and a pair of leaf springs carried by said supporting member and resiliently engaging opposite sides of said contact bushing to establish a second circuit connection, said pair of contact leaf springs being floatingly mounted relative to said supporting member.

2,182,225
BARBECUE MACHINE
Gus G. Garvis, Des Moines, Iowa
Application June 27, 1938, Serial No. 216,077
8 Claims. (Cl. 53—5)



1. In a barbecue machine, a casing, barbecuing mechanism therein including a spit, means for imparting rotation to said spit, a sump below said spit to catch drippings from articles being barbecued on said spit, a basting trough above said spit, an arm carried by said spit, a bucket thereon for dipping basting liquid from said sump and means to dump the contents of said bucket into said trough as said arm passes said trough, said trough having a cam on the end thereof engageable with said bucket to tip it to dumping position.

2,182,226
WATER PUMP PACKING
Walter A. Geise, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 18, 1936, Serial No. 111,349
4 Claims. (Cl. 286—5)

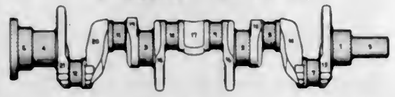


1. In a water pump seal, a rotatable shaft, spaced bearings in which the shaft rotates, a cylinder fitting over both bearings, said seal being positioned between said bearings to prevent water from passing beyond one of the bearings, said seal comprising an elongated metal sleeve surrounding the shaft and enclosed by the cylinder, a groove at one end of the sleeve, a packing in the groove bearing against the inside of the cylinder, packing in the sleeve at the other end thereof, and means in the sleeve and retained thereby and wedging said packing between the sleeve and the shaft to form a water tight seal.

2,182,227
PROCESS OF PROTECTIVE LINING AND COATING OF PIPES
Oscar G. Goldman, San Francisco, Calif.
No Drawing. Application March 25, 1938, Serial No. 198,082
3 Claims. (Cl. 91—70)

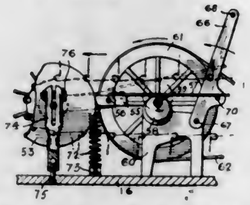
3. The process of applying protective coatings to metal pipes which comprises rotating a pipe on a horizontal axis while applying heat to bring the temperature of the pipe to a point between about 200 to 400 degrees F., then while the hot pipe is revolving at a speed insufficient to throw off the material applying a thin quick setting coat of hot molten bituminous material to the exterior wall of the pipe, then when sufficiently set speeding up the rotation and applying a thick layer of molten bituminous material to the interior of the pipe for smoothing out by centrifugal action, setting the internal layer by the application thereto of a cooling fluid, slowing down the rotary speed of the pipe and building up the thickness of the external layer of bituminous material by further application of the hot molten material while the pipe is slowly revolving.

2,182,228
METHOD OF MACHINING CRANKSHAFTS
William F. Groene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Original application May 16, 1936, Serial No. 80,204. Divided and this application September 23, 1938, Serial No. 231,408
7 Claims. (Cl. 82—1)



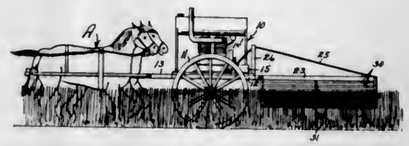
1. In a method of machining a flexible and deflectible crankshaft, the step (*a*) of machining locating and holding areas which, when engaged by chucks, will bring and hold the shaft into aligned condition; the step (*b*) of locking said shaft in aligned condition; and the step (*c*) of simultaneously turning areas of the shaft while holding it in predetermined alignment.

2,182,229
ELECTRIC TOASTER
Henri Hamel, St. Jerome, Quebec, Canada
Application January 28, 1938, Serial No. 187,468
2 Claims. (Cl. 53—5)



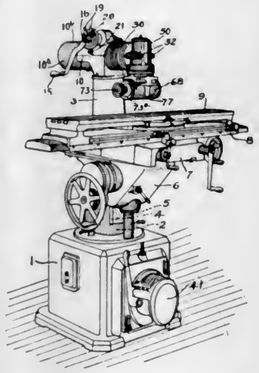
1. In a toaster of the endless chain type, means for actuating an endless chain comprising: a source of motive power, an eccentric cam continuously operated by said source of power, a pulley over which the endless chain is trained at one end, a pivoted lever, a block pivoted to said lever adapted to engage the rim of the pulley, an extension on said block engageable by the cam, means for urging the pivoted lever downwardly, and manually operated means for limiting the downward movement of the extension over the cam.

2,182,230
FIELD INSECT DESTROYER
John A. Hoffman, Bismarck, N. Dak.
Application September 27, 1939, Serial No. 296,862
3 Claims. (Cl. 43—132)



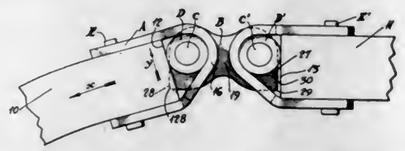
1. A device useful for destroying flying insects in fields comprising a moving substantially horizontal frame, a charged grid on under parts of said frame, and downwardly dependent insect disturbing means mounted on under parts of said grid near the center thereof.

2,182,231.
ATTACHMENT FOR CUTTER GRINDERS
Richard K. Le Blond, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application June 14, 1939, Serial No. 279,154
10 Claims. (Cl. 51—45)



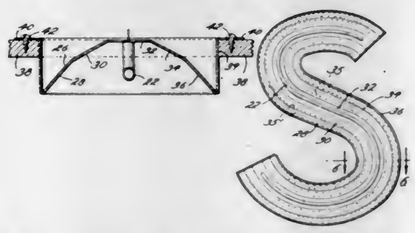
1. A grinding wheel mounting for cutter grinder comprising a housing fixed on the stump of said grinder; a driving spindle journaled in said housing, means for driving said spindle, a cylindrical member reciprocatably mounted in and enclosed by said housings, a grinding wheel spindle universally mounted on said member, a grinding wheel on said spindle, a splined shaft slidably engaging in a mating splined bore in said driving spindle and journaled in said member, and bevel gear transmission mechanism interconnecting said shaft with said grinding wheel spindle.

2,182,232
BELT FASTENER
John C. Olsen, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois
Application February 14, 1938, Serial No. 190,398
1 Claim. (Cl. 24—33)



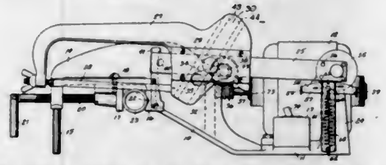
The combination with the squared ends of a V-belt comprised of inherently resilient material; of two attaching members, each of bail-like formation; means securing said attaching members to the respective belt ends and with the bights of the attaching members spaced from the belt ends; a link extending between the bights of the attaching members; and hinge pins pivotally connecting the link with said bights of the attaching members, said link having squared ends normally disposed opposite and closely adjacent the squared ends of the belt when the belt is straight, said link being laterally extended in width at its ends to such an amount toward the inner, pulley-engaging side of the belt as to provide corner shoulders inwardly offset from a line joining the axes of the hinge pins that, upon a predetermined relatively small angular movement less than the total permissible angular movement between an attaching member with its associated belt end, on the one hand, and the adjacent end of the link, on the other hand, the corresponding adjacent corner shoulder of the link will engage with the belt end and, upon such increased angular movement, said corner shoulder will be progressively embedded in the end of the belt and progressively yieldingly restrained.

2,182,233
DEVICE FOR INCREASING EFFECTIVENESS OF NEON SIGNS
Joseph H. Pearlman, Des Moines, Iowa
Application September 7, 1937, Serial No. 162,718
4 Claims. (Cl. 40—130)



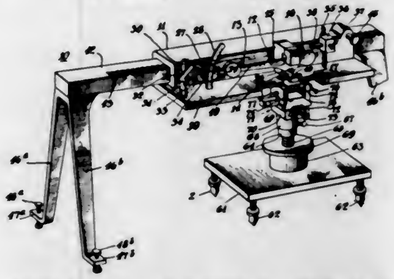
4. In a gaseous tube display device, adapted to be mounted on a supporting surface, a discharge tube formed in any desired figure, a reflector disposed rearwardly of said tube, said reflector comprising a plurality of reflector strips on each side of said tube, said strips being disposed at angles to each other such that the rays from said discharge tube are reflected from the centers of each of said reflecting strips in substantially parallel directions, and spacing elements extending rearwardly from said reflector, the free ends of said elements engaging the supporting surface.

2,182,234
POWER OPERATED HACKSAW
Arthur Holland Pneuman, Syracuse, N. Y.
Application July 14, 1937, Serial No. 153,570
5 Claims. (Cl. 29—73)



1. A power operated hacksaw comprising a base, an arm pivoted at one end to said base, a saw frame slidably mounted on said arm and being provided with a guide way extending at an oblique angle to said arm, a shaft journalled in the base and extending transversely of said arm and saw frame, and being provided with a crank arranged in said guide way and cooperable to effect reciprocating movement of said saw frame on said arm upon rotation of said shaft, and means for effecting rotation of said shaft.

2,182,235
HARDNESS TESTER
Eugene P. Polushkin, New York, N. Y.
Application October 19, 1936, Serial No. 106,330
10 Claims. (Cl. 265—16)

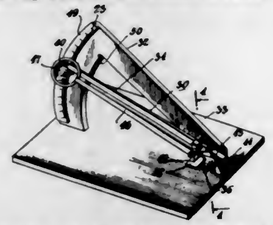


7. Apparatus of the character described comprising a support, a carrier mounted for horizontal movement on said support, a base plate on said carrier, an indicating arm and a tracing arm forming an angular lever, a pivot axle pivotally mounting said lever on said carrier for swingable movement of said lever in a plane perpendicular to the plane of said base plate and a specimen holding device including means for movement of the specimen in a plurality of planes relative to the under surface of said plate, the under surface of said base plate being adapted to serve as a guide to adjust the specimen relative to the movement of the free end of said tracing arm.

2,182,236
MICROMETER GAUGE
Eugene P. Polushkin, New York, N. Y.
Application March 9, 1937, Serial No. 129,775
5 Claims. (Cl. 33—169)

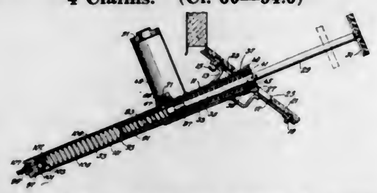
1. A device of the character described for measuring translations of micrometric dimensions comprising a base, a standard mounted on said base, an angular lever having an indicating arm, a contact arm and a pivot axle transverse of said lever positioned at the vertex of said angular lever pivotally mounted on said standard for rotatable movement of said lever about the pivot in a plane

perpendicular to the plane of said base, means mounted on said lever for accurate positioning of said contact arm at a predetermined angle of inclination and adapted to regulate the resulting component forces to balance said lever, and a scale mounted on said device adjacent the free end of said indicating arm positioned and graduated to measure the movement of the free end of said indicating arm to the nearest half millimeter



when observed by a naked eye, said indicating arm being of sufficient length to move its free end about the pivot through an arc of at least twenty-five microns, when the component displacement of the free end of said contact arm in a direction perpendicular to the plane of said base is no greater than one-half micron when said contact arm is set initially at an inclination angle of approximately five degrees.

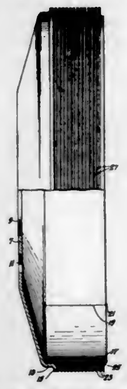
2,182,237
MASTER CYLINDER
Olaf Rasmussen, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 31, 1937, Serial No. 133,938
4 Claims. (Cl. 60—54.6)



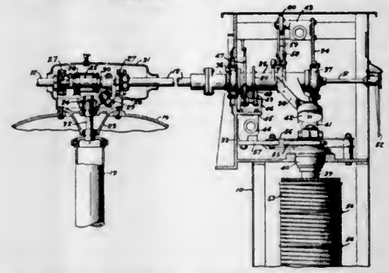
1. In hydraulic applying means, a cylinder, a seal in fixed relation therein, a plunger reciprocable through said seal, a reservoir secured to said cylinder adjacent said seal, a one-way valve opening from said reservoir to the high pressure side of the seal, a passage affording communication between the reservoir and the low pressure side of the seal, said plunger constructed to afford communication between the master cylinder and the passage in the retracted position of the plunger, said cylinder carrying a plunger guide on the low pressure side of the seal, and a plurality of successively operating springs on the high pressure side of the plunger, said springs successively resisting the depression of the plunger.

2,182,238
METHOD OF MAKING BRAKE DRUMS
Olaf Rasmussen, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 11, 1937, Serial No. 179,259
3 Claims. (Cl. 29—152.2)

1. The method of forming a brake drum comprising shaping a web with a short axial annulus, assembling an integral circular rim within and projecting from said annulus, assembling a helix of steel upon said rim to form fins, winding an iron wire spirally between said fins, inserting copper between said fins and subjecting the assembly to heat to braze said parts together.



2,182,239
AUTOMATIC RECLOSING CIRCUIT BREAKER
August C. Schwager, San Francisco, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application September 4, 1937, Serial No. 162,498
17 Claims. (Cl. 200—89)



1. In an automatic reclosing circuit breaker, the combination of spaced stationary contacts, a movable contact bridging member adapted to form a closed circuit between said stationary contacts, an oscillating shaft for moving said contact bridging member into and out of bridging relation with said stationary contacts, a second shaft disposed at a right angle to said oscillating shaft and adapted to rotate in one direction only, a power supplying means for driving said second shaft through a plurality of revolutions in one direction, a driving connection between said oscillating and said second shaft adapted to produce a forward and a reverse movement of said oscillating shaft during each complete revolution of said second shaft, two latch abutments carried by said oscillating shaft, a latch means cooperating with each of the abutments upon said oscillating shaft for latching same at the end of each oscillation thereof, a current responsive latch tripping means adapted to render one of said latch means inoperative to permit a movement of the oscillating shaft in one direction to move said contact bridging member into its open circuit position, and a second current responsive latch tripping means for rendering the other of said latch means inoperative to permit a reverse movement of the oscillating shaft to

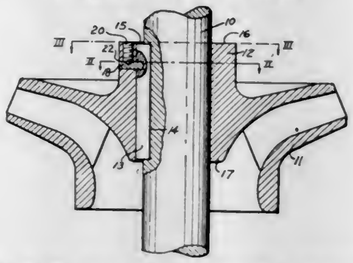
move said contact bridging member into its circuit closed position, said first and second current responsive latch tripping means being adapted by successive operations thereof to produce a series of circuit opening and reclosing operations of the circuit breaker.

2,182,240

MEANS FOR KEYING PUMP IMPELLERS TO DRIVING SHAFTS

John Morton Sinclair, Memphis, Tenn., assignor to Layne and Bowler, Incorporated, Memphis, Tenn., a corporation of Delaware

Application September 6, 1938, Serial No. 228,605
3 Claims. (Cl. 287—52.05)



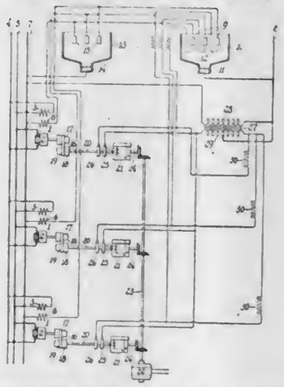
1. A shaft and a hub mounted thereon and having key-ways in register, a snugly fitting key disposed in said key-ways and locking said hub and shaft against relative turning movement, said key having a shaft engaging portion complementary to said shaft key-way, said portion and said key-way being shaped to interengage and prevent longitudinal displacement of said key; said hub and said key being transversely slotted to form a channelway, a feather forced into said channelway and locking said key and hub against relative longitudinal displacement, and means substantially permanently securing said feather in said slot, said key, said feather and said securing means all lying within the limits of the opposite ends of said hub.

2,182,241

CIRCUIT CONTROLLER

Carroll Stansbury, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application July 21, 1937, Serial No. 154,743
5 Claims. (Cl. 172—293)



1. In combination, a plurality of impedances, a source of alternating current, means to supply said impedances with unidirectional energy from said source, said means comprising an electronic tube having a plurality of anodes respectively connected to said impedances, a cathode common to said anodes and connected to one terminal of said source, a plurality of grids, one for each of said anodes, an unidirectionally conducting discharge device including a plurality of anodes each connected to one of said first mentioned anodes and a cathode connected to another terminal of said source, means to control the voltage of said grids individually to afford control of said impedances individually and means to superimpose a joint voltage control upon said individual controls to thereby superimpose a joint control of said impedances upon said individual control thereof.

2,182,242

PROCESS FOR HYDROGENATING AROMATIC HYDROCARBONS

Charles B. Wooster, Providence, R. I., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 3, 1938, Serial No. 205,859
8 Claims. (Cl. 260—667)

1. The process which comprises reacting together in a liquid solvent medium selected from the group consisting of liquid ammonia and those aliphatic amines which dissolve alkali metal, an organic compound having a monocyclic aromatic nucleus, a light metal selected from the group consisting of the alkali metals, the alkaline earth metals and magnesium; and a hydrolytic agent comprising a substance which reacts with sodium in liquid ammonia solution in the absence of a catalyst to evolve hydrogen but which will not react completely with ammonia to form an ammonium salt.

2,182,243

COLLAPSIBLE TUBE

George Myron Baker, Fresno, Calif.

Application August 27, 1938, Serial No. 227,042
3 Claims. (Cl. 221—60)



1. In a collapsible tube, a head having a discharge opening therein, a closure slide for said opening, said slide being initially closed, means mounting the slide on the head for movement to and from a closed position, and a removable stop element initially secured on the head adjacent the rear end of and in the path of the slide whereby to prevent accidental opening of said slide before use of the tube.

2,182,244

CHROMIUM PLATING

Frank H. Beall, Maplewood, N. J.

No Drawing. Application October 15, 1936, Serial No. 105,799
8 Claims. (Cl. 204—1)

1. A low-etching chromium plating bath for plating clear, adherent chromium comprising, a water solution of chromic acid in part free and in part combined as an alkali salt, the free acid constituting 20 to 40% of the total and not less than approximately 5 oz. per gallon, and sulphate to the amount of not over approximately .4% of the total chromic acid, the total chromic acid being 30 to 50 oz. per gallon.

2,182,245

MECHANICAL RAM

George W. Bowen, Houston, Tex.

Application March 31, 1939, Serial No. 265,213
7 Claims. (Cl. 255—27)



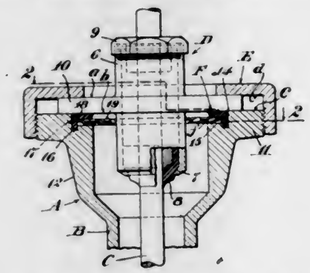
1. A jarring tool comprising two parts slackly linked together and capable of limited, relative longitudinal movement, under tension, means to arrest such movement to cause a jar, means for connecting one part to a stuck object, an anvil on the other part, a ram arranged to be projected by its momentum against the anvil upon the arrest of such movement, a yieldable support for the ram arranged to be compressed by the inertia of the ram, upon such relative longitudinal movement, to supplement the momentum of the ram.

2,182,246

PACKING GLAND MOUNTING

Tanner E. Boyer, Bell, and Lester P. Stockman, Los Angeles, Calif.

Application March 29, 1938, Serial No. 198,708
5 Claims. (Cl. 286—15)



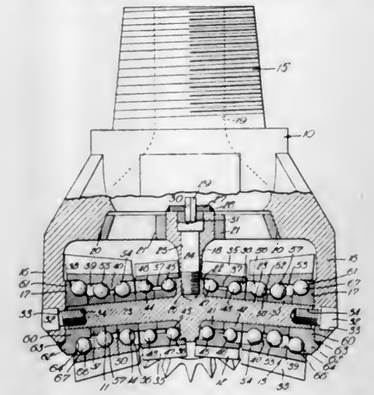
1. In a packing gland mounting, a cylindrical pump head box having a flat top wall formed with a marginal channel on its inner periphery, a gland housing extending into said box, a circumferential flange on said housing overlying said flat top wall, a resilient sealing ring in said channel, a metallic ring interposed between the bottom of said channel and the underside of said ring, and spring tongues on said ring exerting a pressure between said box and said sealing ring.

2,182,247

WELL BIT CONSTRUCTION

Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application January 19, 1937, Serial No. 121,377
6 Claims. (Cl. 255—71)



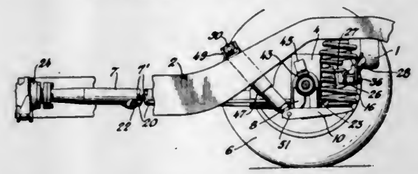
1. In a well bit, a supporting member, two roller cutters surrounding the member, each cutter having two internal races, one facing inwardly and axially in one direction, the other facing inwardly and axially in the other direction, a bushing on the member extending into the opposing ends of the cutters, said bushing having two race grooves formed in its periphery, each race groove opposing a race of a cutter, bushings on the member at the opposite ends of the first named bushing and each having a race groove formed in its periphery, the last mentioned race grooves opposing the other races of the cutters, and series of balls cooperating with the opposing races and race grooves.

2,182,248

SPRING SUSPENSION

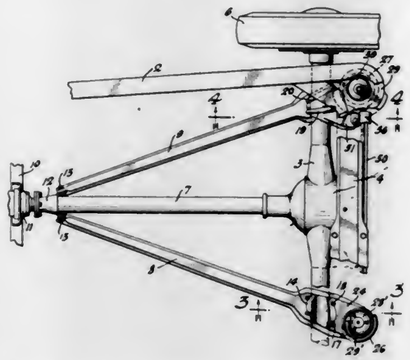
Charles A. Chayne, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 6, 1937, Serial No. 152,056
8 Claims. (Cl. 180—73)



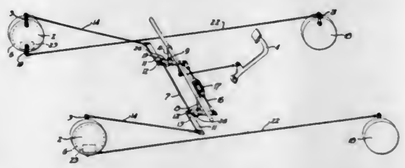
4. In a motor vehicle, in combination, a frame; a torque tube drive rear axle, a radius rod arranged transversely of the vehicle to control movement of the axle transversely of the frame; spring seats rigidly attached to the axle; coil spring means resiliently resisting upward movement of the axle relatively to the frame, said spring seats having extensions forwardly and rearwardly of the axle, and said coil springs seating on the extensions on one side of the axle only; and a pair of shock absorbers connected respectively to the other extension of each spring seat and operative between the axle and the vehicle frame.

2,182,249
SPRING SUSPENSION
Charles A. Chayne, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 6, 1938, Serial No. 183,643
5 Claims. (Cl. 267—20)



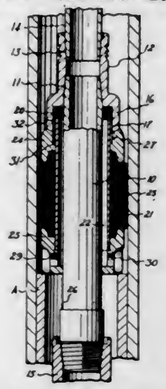
1. In a motor vehicle, in combination, a frame, a light torque tube, a light live axle housing rigidly connected thereto, said torque tube having a ball joint connection with the vehicle frame, flanged channel section steel strut arms extending from a point adjacent to the ball joint on the torque tube to points toward opposite ends of the axle housing, seatings on the strut arms, a pair of U-bolts embracing the axle and rigidly clamping the axle housing to each of the seatings, perches on the strut arms, an unguided coil spring between each of the perches and the vehicle frame, directly resisting upward movement of the strut arms relatively to the frame, and a means controlling movement of the axle housing transversely of the frame; said torque tube and strut arms controlling movement of the axle housing longitudinally of the frame and said strut arms taking all the spring load and a considerable part of the driving thrust, the driving torque reaction and braking torque, direct to the ball joint connection to the vehicle frame, thereby relieving the axle housing and the torque tube of all but the remainder of these forces.

2,182,250
BRAKE MECHANISM
Charles W. Collins, Seattle, Wash.
Application June 6, 1938, Serial No. 212,058
4 Claims. (Cl. 188—204)



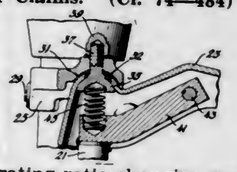
1. In a vehicle having a pair of brakes and means for operating them, an equalizer comprising a floating spreader bar connected for movement with the operating means, a pair of equalizing arms pivoted to the bar, means connecting the arms for pivotal movement together, and means connecting each arm to a brake.

2,182,251
PACKING MATERIAL
Charles S. Crickmer and Roy A. Lamb, Dallas, Tex., assignors to Merla Tool Company, Dallas, Tex., a firm
Application July 23, 1937, Serial No. 155,293
7 Claims. (Cl. 166—10)



1. A well packer including, a packing element, a sleeve immovably carried by the packing element, closure means having a recess for receiving one end of the sleeve, and packing means housed within the recess of closure means for engaging the end of said sleeve when the sleeve enters said closure means, whereby a positive seal is had.

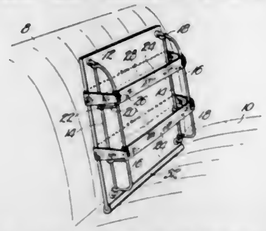
2,182,252
REMOTE CONTROL FOR TRANSMISSION
John Dolza and Arthur W. Gaubatz, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 4, 1938, Serial No. 222,954
4 Claims. (Cl. 74—484)



1. For operating ratio changing mechanism in a vehicle having a steering column, a shaft in parallel relation to said column, means to journal said shaft adjacent its lower end for rotation and reciprocation, a bracket having a spherical seat adjacent the upper end of the column, a lever having a spherical surface, means to hold said spherical surface in said spherical seat to permit movements of said lever, said shaft having an angle arm rigid therewith and pivoted to said lever whereby the upper end of said shaft is supported by said column through the instrumentality of said lever and whereby said lever may rotate and reciprocate said shaft.

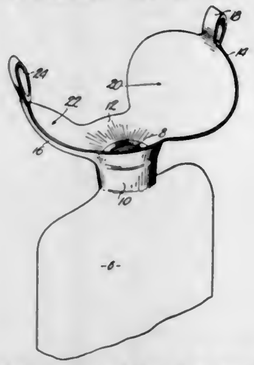
2,182,253
VENTILATED BACK REST
Lura B. Farrell, Coshocton, Ohio
Application August 17, 1938, Serial No. 225,311
3 Claims. (Cl. 155—182)

1. A seat attachment of the character described comprising a rigid base; a bracket hingedly mounted on the base along each of two opposite edges of the base and extending laterally from one side thereof; and a plurality of flexible strips joining the brackets at their outermost portions and held in spaced relation to the base thereby, said strips each being looped around each bracket and extended around the other



side of the base and in engagement therewith, the ends of said strips being connected together for the purpose specified, said base having an apron along one edge thereof for engaging the horizontal surface of the seat.

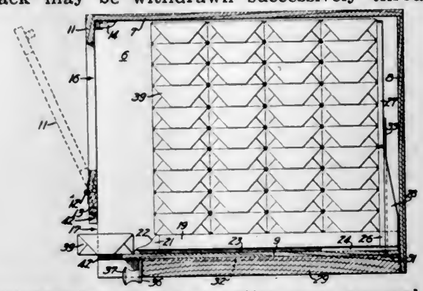
2,182,254
COMFORT BOTTLE
Lura B. Farrell, Coshocton, Ohio
Application August 22, 1938, Serial No. 226,124
3 Claims. (Cl. 4—110)



1. A comfort bottle of the character described comprising a hollow flat body of flexible material having a tubular neck at one end thereof; an upwardly and outwardly extending flared, annular skirt of flexible material integral with the said neck and circumscribing the opening therein; an apron integral with the flared skirt, extending outwardly from a portion of the free edge thereof; and a flap integral with said skirt, extending outwardly from another portion of the free edge thereof, said apron and said flap being extended from diametrically opposite portions of the annular skirt and projecting to each side of the extended plane of the major transverse axis of the said hollow body, said flap and said apron each being substantially dish-shaped and formed to present a concave face adapted to lie against and frictionally engage the body when the bottle is in use as described.

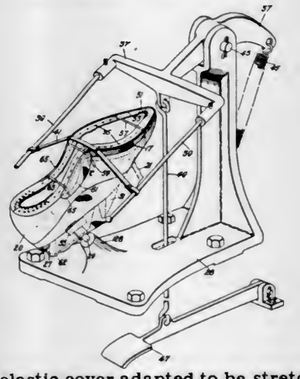
2,182,255
RACK FOR CIGARETTE PACKAGES
William R. Ford, Oakland, Calif.
Application August 5, 1938, Serial No. 223,149
4 Claims. (Cl. 312—71)

2. A rack for packaged articles comprising a hollow box having a dispensing opening therein and adjacent a bottom end thereof, rails in and extending along the bottom of said box from said dispensing opening on which horizontally arranged vertical stacks of said articles may be supported with one of said stacks in dispensing position engaging the end of said box above said dispensing opening wherein said articles in the stack may be withdrawn successively through



said opening, means operative upon removal of successive articles through said openings for projecting following articles into and through said opening, means slidably mounted on said rails for moving said stacks along the rails, and means extending exteriorly of said box and engaging said stack moving means for moving the latter.

2,182,256
PROTECTIVE COVER
Stanley M. Griswold, Boston, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application November 24, 1937, Serial No. 176,273
20 Claims. (Cl. 12—142)

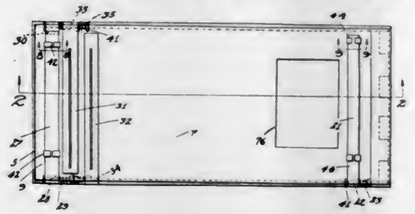


1. An elastic cover adapted to be stretched over a lasted shoe, said cover having an open bottom at the forepart, the edge along this opening, when the cover is in place, lying upon the lasting allowance of the shoe close to but outside the line of stitches by which the outsole is to be attached, said edge being held in place by narrow straps of inelastic readily breakable material placed upon the bottom of the shoe and fastened to the outer surface of the cover whereby the cover, after it has served its purpose, may be removed intact.

2,182,257
HOLDER FOR SALES SLIPS
Robert E. Harding, Elmira, N. Y., assignor to Joseph A. Dunn, Worcester, Mass.
Application July 30, 1935, Serial No. 33,872
Renewed May 4, 1939
6 Claims. (Cl. 282—3)

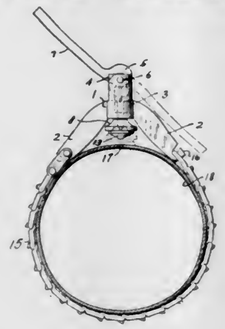
4. A holder for sales slips comprising a casing

in which at least one pack of zig-zag folded sales slips arranged in a continuous strip is positioned, a writing plate forming a cover for said casing, one end of said plate being spaced from the adjacent end of the casing to define a slot at one end of the plate through which the ends of the



strip of sales slips may be drawn from the casing, said plate having means for locating an identification member in predetermined relation thereon, said locating means positioning the member beneath the sales strips which overlie the writing plate with said member in predetermined relation to the strips.

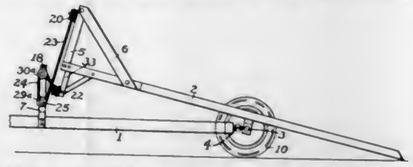
2,182,258
REPAIR CLAMP
Cecil E. Kirk, Edna, Tex.
Application July 26, 1937, Serial No. 155,698
1 Claim. (Cl. 138—99)



A repair clamp comprising a yoke having diverging legs forming supports to rest on a pipe, a cylindrical bearing member joining the outer ends of the legs whose outer end is provided with spaced ears, a cam pivoted between said ears, a handle for the cam, a plunger comprising an inner head and an outer stem, said stem working through a bearing in said bearing member and having its outer end enlarged and fitted between the ears, means for preventing the stem from turning in the bearing, means adapted to surround a pipe for securing the yoke to the pipe, a resilient closure member carried by the head, the cam being operative against the enlarged outer end of the stem to actuate the plunger to move the closure member into close fitting contact with the pipe around a leak in the pipe to be closed.

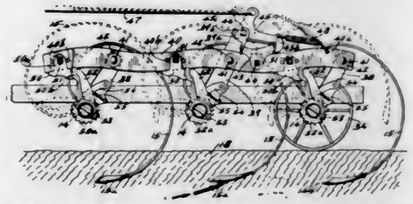
2,182,259
TRANSFER CART
George Konicek, Bruce Township, Benton County, Iowa
Application October 4, 1937, Serial No. 167,169
1 Claim. (Cl. 298—19)

In a transfer cart, a carrying body medially tiltably mounted on means for transportation, spaced pairs of standards fixed on the means for transportation, a worm gearing mounted on the means for transportation, having a shaft rotatably seated on said pairs of standards, a sheave fixed on said shaft between each pair of standards, a sheave mounted between each pair of standards above the first mentioned sheaves, transversely spaced depending fixed arms on the forward part of the cart body to the rear of each of the said pairs of standards, sheaves on the lower parts of the depending arms, transversely spaced upright fixed arms on the forward part



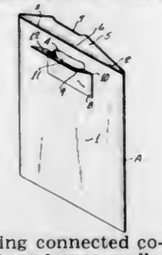
of the cart body to the rear of said pairs of standards, and sheaves rotatably mounted on the upper parts of the upright arms, a cable carried about the last mentioned sheaves with the depending parts of the cable secured to and windable on opposite parts of said shaft and also reeved across the sheaves on the depending arms, and a cable reeved across the sheaves upon said upright arms with end portions reeved across the upper sheaves of the first mentioned pairs of standards, and carried across said shaft in an opposite direction to the reeving of the first cable, and terminally secured to the shaft.

2,182,260
HARROW CONTROL DEVICE
John R. Kovar, Anoka, Minn.
Application February 5, 1937, Serial No. 124,211
14 Claims. (Cl. 55—34)



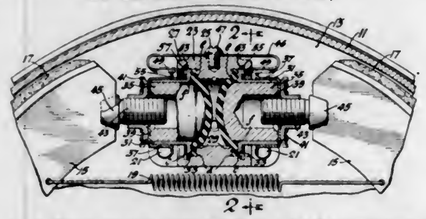
1. A harrow structure having in combination, a frame, a plurality of shafts mounted for rotative movement in said frame, teeth of curved hook form in side elevation secured to said shafts and having pointed ends adapted to travel through the ground, arms respectively journaled on said shafts, a member connected to said arms for simultaneously swinging the same, ratchet wheels connected to said shafts, pawls carried respectively by said arms for engaging said ratchet wheels, stop arms carried by said shafts, lugs on said member engageable by said stop arms, a swinging member connected to one of said arms and having latching engagement with said member to prevent movement thereof and thus lock said teeth in operative position, a flexible member extending from said swinging member to a point some distance in front of said harrow for swinging said swinging member, releasing the same from said first mentioned member and moving said first mentioned member and said arms to oscillate said shafts and move said teeth to inoperative position.

2,182,261
CONTAINER
Julian Maas, St. Louis, Mo.
Application May 19, 1938, Serial No. 208,783
7 Claims. (Cl. 229—54)



1. A bag having connected co-operable mouth-providing front and rear walls, a first closure-flap on the free margin of said rear wall foldable closure-wise over and across said mouth, a second closure-flap on, and adjacent the free margin of, said front wall, said walls and second flap having apertures registering one with the other when said flaps are in bag-closure engagement in the formation of a hand-grip, and a reinforcing strip having a width somewhat greater than the length of said aperture and being secured upon the outer face of the rear wall and extending longitudinally thereacross and across the rear wall flap, said reinforcing strip being further provided with apertures in registration with the wall and flap apertures and being adapted for securing engagement at its outer end beneath the second flap when the first flap is in bag-closure position.

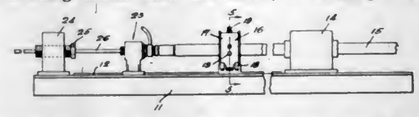
2,182,262
HYDRAULIC BRAKE WHEEL CYLINDER
Earl R. Pierce and Gilbert K. Hause, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 29, 1938, Serial No. 205,030
10 Claims. (Cl. 60—54.6)



1. A fluid motor comprising a body member including a cylinder, a piston reciprocable in said cylinder, a normally flat diaphragm operable under the influence of a movable liquid column to move said piston, means sealing the peripheral margin of said diaphragm to said body and thereby crowding material toward the center thereof whereby said diaphragm is given a dome shape, said piston having a crowned head to engage said dome shaped diaphragm.

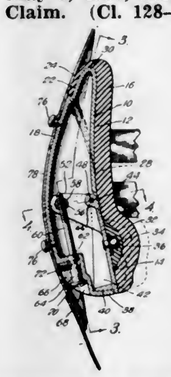
2,182,263
COMBINATION BORING BAR GUIDE AND SEALING MEANS
George G. Probert, Walnut Park, Calif., assignor to Emsco Derrick and Equipment Company, Los Angeles, Calif., a corporation of California
Application July 6, 1936, Serial No. 89,154
3 Claims. (Cl. 77—5)

1. In a combination guide and sealing means of the class described, the combination of: a supporting body; a spindle supported thereby having a guide opening through which a tool extends, a shoulder on said spindle, and a bearing sleeve extending from said shoulder; a sealing means



journalled on said bearing sleeve and being adapted to engage the work to form a seal; a packing gland for said sealing means; a thrust bearing between said packing gland and said shoulder; and means for circulating liquid through said work.

2,182,264
RUPTURE APPLIANCE
Henry J. Schoeben, Chicago, Ill.
Application May 3, 1937, Serial No. 140,543
1 Claim. (Cl. 128—95)

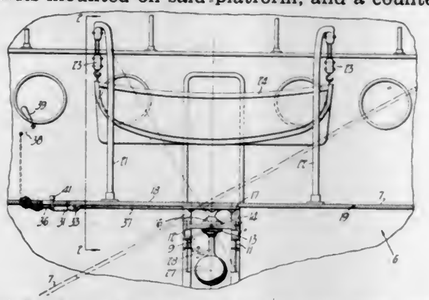


A rupture appliance comprising a hollow rigid unit including a pressure wall defining a portion of one side of the unit, a pressure plate pivotally connected with the unit cooperating with said pressure wall to complete the said one side of the unit, a resilient pad extending across the pressure wall and the pressure plate, a rigid projection of gentle curvature positioned between the pressure plate and the resilient pad for distorting the latter, said rigid projection being fixedly connected with the resilient pad, a separable connection between the rigid projection and the pressure plate, said resilient pad being provided with a pocket at one end for receiving one end of said unit, said separable connection being so constructed and arranged as to hold the said one end of the unit inside said pocket, and screw means housed inside the unit and operatively connected with the pressure plate for adjusting the same about its pivotal axis relatively to the pressure wall.

2,182,265
LIFEBOAT SAFETY MOUNTING
Samuel I. Schwabacher, Palo Alto, Calif.
Application August 30, 1938, Serial No. 227,491
3 Claims. (Cl. 9—22)

1. A lifeboat safety mounting for use on a vessel, comprising a universal socket secured to the framework of the vessel, a ball in said socket, a platform mounted on said ball and adapted in one position to constitute a smooth continuation of a deck of said vessel, releasable means for

holding said platform in said position, lifeboat davits mounted on said platform, and a counter-



weight for urging said platform into level position despite the position of said vessel.

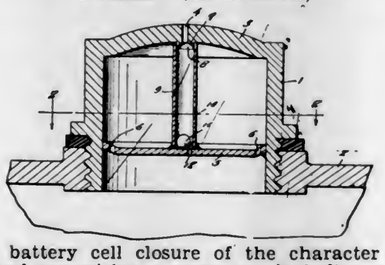
2,182,266

BATTERY CAP

Melvin John Schwartz, Rose Creek, Minn.

Application May 16, 1939, Serial No. 274,018

1 Claim. (Cl. 137—139)



A battery cell closure of the character described comprising a screw cap including a top having a centrally located vent therein, an integral nipple depending from the top of the cap, said nipple having a concavity therein constituting a valve seat communicating with the vent, a splash shield mounted in the cap intermediate the ends of said cap and having vents therein, a tube extending between said splash shield and the top of the cap and having a vent therein intermediate the ends of said tube, one end of said tube being fixed to the splash shield, the other end portion of the tube being mounted on the nipple, and a ball valve operable in the tube and engageable with the seat for closing the first named vent should the cap be inverted, the splash shield further having a drain opening therein communicating with the tube, said drain opening being located off center relative to said tube.

2,182,267

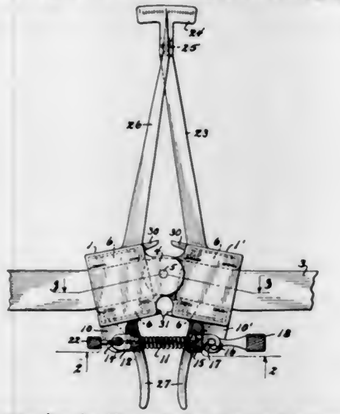
APPARATUS FOR MEASURING TENSION STRESSES

Lino Scusa, Phoenix, N. Y., assignor to Harold E. Torell, Syracuse, N. Y.

Application July 28, 1937, Serial No. 156,215

9 Claims. (Cl. 265—1.6)

9. A device of the class described, comprising a pair of pivotally connected members adapted to be wholly supported at two spaced points on a body under tension, means for applying a known force to said body opposite to said tension, at said spaced points, through the pivotally connected members aforesaid, while permitting the portion of the body intermediate said spaced points to freely move in accord with any instantaneous tension condition, whereby to establish a balance of the known force against the tension of the body, and means for indicating the tension of said



body responsive to the relative pivotal movement between said members in establishing the balance aforesaid.

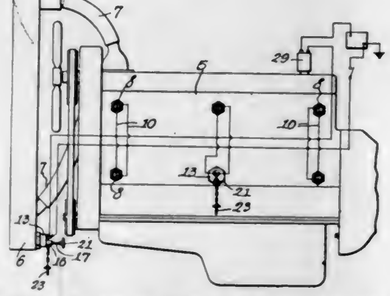
2,182,268

CONTROL VALVE FOR WATER SYSTEMS

Herbert Van Keuren and Archibald C. Wilkins, Kingstree, S. C., assignors to The Safety Valve Corporation, Kingstree, S. C.

Application September 8, 1938, Serial No. 228,988

4 Claims. (Cl. 123—178)



1. In a device of the character described, a hollow body portion adapted to be positioned in the liquid of a cooling system, said body portion having openings admitting liquid of the cooling system to the interior of the body portion, said body portion having an outlet opening, a valve normally closing the outlet opening, a thermostatically controlled latch member normally holding the valve in its closed position, a spring for urging the valve to its open position, and said thermostatically controlled latch member adapted to release the valve to the action of the spring opening the valve and releasing the cooling liquid from the system, when the cooling liquid reaches a predetermined temperature.

2,182,269

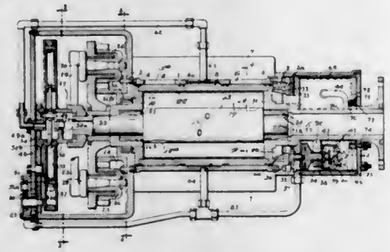
ENGINE

Edward Whritenour, Haledon, N. J.

Application July 26, 1938, Serial No. 221,293

9 Claims. (Cl. 123—11)

1. In combination, a cylinder having openings in pairs offset from each other axially of the cylinder and having the openings of each pair forming an intake and exhaust and the two intakes having leads in one rotative direction on the exhausts, a hollow cylindrical rotor coaxial with and in the cylinder, a piston in and coaxial with the rotor, said rotor and piston respectively having pairs of partitions extending lengthwise of the cylinder axis and alternating with each other and together forming in the rotor four independent working spaces and the rotor having ports leading to the respective spaces and the alternate and remaining ones of such ports entering the rotor at points in the zones of and adapted to communicate with the respective pairs of openings, and means intergearing the rotor and piston for rotation in a common direction and with retardation of the piston at two substantially equal intervals in each cycle of rotation of the rotor, one pair of openings and the pair of ports communicating therewith having leads on the other pair of openings and ports, respectively, in the same rotative direction and to substantially equal extents.



7. In combination, with the hollow rotor of an engine of the class described having opposed axial openings, a piston including a shaft journaled in said openings and having a longitudinal groove, and a piston blade seated in the groove and having lugs projecting into said openings.

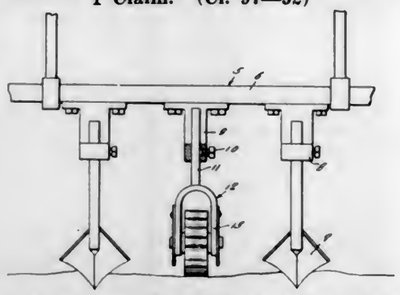
2,182,270

ATTACHMENT FOR CULTIVATORS

Chris Achen and William Poppler, Zurich, Mont.

Application August 11, 1938, Serial No. 224,406

1 Claim. (Cl. 97—52)



An attachment for cultivators comprising a bracket secured on a cultivator between spaced ground engaging elements of the cultivator, a shank adjustably secured to said bracket and including a forked portion, a corrugated roller journaled between and on the forked portion for acting on the soil to crush the surface, and shield plates secured to the forked portion at opposite ends of the roller and spaced a limited distance above the surface of the ground to act as shields to prevent said roller from throwing soil picked up thereby laterally off the row, said plates being of elongated rectangular form and disposed lengthwise to extend well beyond the front and rear of said roller.

2,182,271

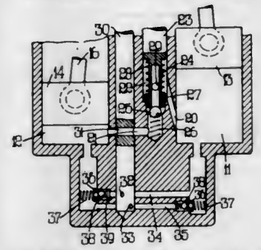
HYDRAULIC SHOCK ABSORBER AND THE LIKE DAMPING MEANS

Fullerton George Gordon Armstrong, Beverley, England

Application May 23, 1938, Serial No. 209,623

In Great Britain December 31, 1936

3 Claims. (Cl. 188—88)



1. The combination with a pair of relatively displaceable elements on a vehicle, of means for damping the relative displacement of said elements, comprising a casing adapted to be connected to one of the pair of elements whose relative displacement is to be damped, a shaft connected to the other element of said pair, a pair of pistons displaceable by said shaft, a pair of piston chambers within which said pistons are displaceable, a plurality of spaced conduits between said chambers, one of which is available to fluid flow when one of the two elements to be damped remains horizontal or at a predetermined angle to the other element, and another of which is available to fluid flow according to the direction of tilt or tendency to tilt of one element relatively to the other, and a spindle having relatively inclined radial bores at longitudinally spaced parts equal to the spacing apart of the conduits, and means to rotate said spindle about its axis to isolate at any time all conduits but one in maintaining fluid flow between said chambers.

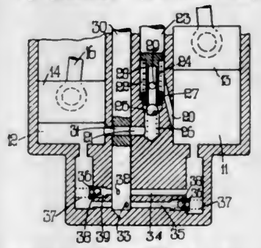
2,182,272

HYDRAULIC SHOCK ABSORBER AND THE LIKE DAMPING MEANS

Fullerton George Gordon Armstrong, Beverley, England

Original application May 23, 1938, Serial No. 209,623. Divided and this application January 25, 1939, Serial No. 252,828. In Great Britain December 31, 1936

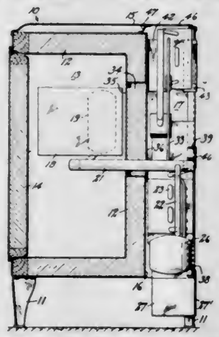
8 Claims. (Cl. 188—88)



1. The combination with a pair of relatively displaceable elements on a vehicle, of means for damping the relative displacement of said elements comprising a casing adapted to be con-

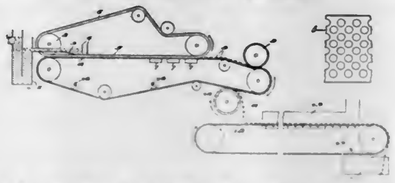
nected to one of the pair of elements whose relative displacement is to be damped, a shaft connected to the other element of said pair, a pair of pistons displaceable by said shaft, a pair of piston chambers within which said pistons are displaceable, three conduits between said chambers, one of which is available to fluid flow when one of the two elements to be damped remains at a predetermined angle to the other element, and each of the others is available to fluid flow according to the direction of tilt from said angle of one element relatively to the other, and means common to all passages for closing two at a time.

2,182,273
REFRIGERATOR
Sigurd Mattias Bäckström, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application November 30, 1936, Serial No. 113,405
In Germany December 6, 1935
2 Claims. (Cl. 62—119.5)



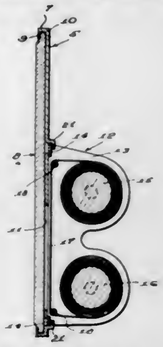
1. A refrigerator comprising a cabinet having a thermally insulated storage compartment and spaced sheet metal walls forming a vertically elongated space adjacent thereto; an open frame comprising metal members secured together to form a rigid structure; absorption refrigeration apparatus comprising a generator, absorber, condenser, evaporator, and conduit means connecting said aforementioned parts to form a hermetically closed system; and means for removably securing said frame to said walls adjacent the edges thereof to strengthen such walls; said refrigeration apparatus being mounted on said frame so as to occupy said vertically elongated space.

2,182,274
PREPARATION OF CELLULOSE PELLETS
Louis S. Baker, Parlin, N. J., and George Lewis Schwartz, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 25, 1937, Serial No. 160,929
2 Claims. (Cl. 92—54)



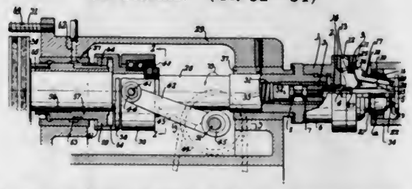
1. A process of preparing directly from a cellulose-containing fibrous pulp slurry, small pellets of cellulose of uniform size and density, which comprises feeding a pulp slurry of paper making consistency onto a forming screen in the form of uniformly sized platelets or patches, removing free liquid from the pulp slurry by suction through said forming screen, removing the platelets or patches from the forming screen by a rubbing and rolling action exerted by a surface moving in a direction directly opposed to that of the screen whereby the platelets or patches are rolled into pellets, and drying the pellets.

2,182,275
COMBINATION REAR VISION MIRROR AND SIGN
Brent G. Blonkvist, Pampa, Tex.
Application April 24, 1939, Serial No. 269,760
4 Claims. (Cl. 40—86)



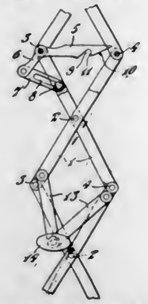
4. In a combination rear vision mirror and sign holder, a substantially rectangular shaped frame having a flange at its edge portion and an opening in its lower portion, a glass panel mounted in said frame and having its peripheral portion held in the flanged portion of the frame, said panel having an upper mirror section and a lower clear vision section, the latter section being located over the opening in the frame and indicia bearing means at the rear of the frame and extending over the opening therein, whereby said means are visible through the clear vision section of the panel and the opening in the frame.

2,182,276
APPARATUS FOR HONING
Harold L. Blood, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application November 5, 1936, Serial No. 109,331
10 Claims. (Cl. 51—34)



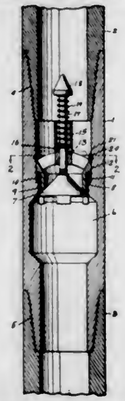
1. In a honing device, a honing head, a spindle mounted for reciprocation therein, a hone on the spindle, said hone comprising an arbor, a honing element carried by said arbor and movable relative thereto, means associated with the spindle for urging the honing element into operative position, and limiting means for controlling the operative position of the honing element and means for automatically compensating for wear on the hone by adjustment of said limiting means.

2,182,277
COLLAPSIBLE LADDER
Laurence Mark Boor, Tadworth, England, assignor to Gravity Ladders Limited, London, England
Application September 10, 1938, Serial No. 229,348
In Great Britain September 17, 1937
5 Claims. (Cl. 228—19.2)



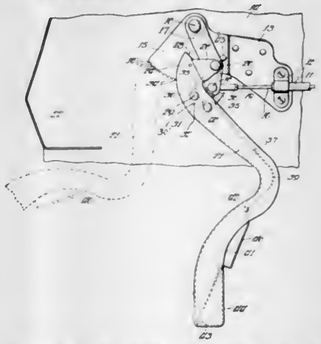
1. In a collapsible ladder of the type including opposite side members formed of lazy tong levers having their knee joints connected by cross-rungs which move vertically away from one another when the ladder is extended, a catch lever having a notch and pivoted to one run of at least one of an opposite pair of knee joints to engage the other rung of the related pair of knee joints when the ladder is extended, said lever having cam means at the side of the notch nearest the pivot operative when said ladder is further extended to raise said catch lever wholly above the level of said second mentioned rung of said related pair of knee joints to automatically release the catch and facilitate collapse of the ladder.

2,182,278
VALVE LOCKING DEVICE
Walter Brauer, Oklahoma City, Okla.
Application May 1, 1937, Serial No. 140,098
1 Claim. (Cl. 251—144)



The combination with a tubular member having an inside upwardly facing shoulder, a valve assembly bodily insertable into the member onto said shoulder and bodily removable from said member, said assembly including a tubular resilient valve seat mounted for enagement with said shoulder, a tubular spider fitted through the seat and having an external shoulder which rests on the seat, said tubular member having an inside annular groove, an expansible locking ring open at one side and having its free ends overturned, said ring being insertable in the groove for engagement with the upper end of the spider to retain the assembly in the tubular member, said groove being so positioned that the ring therein, when engaged with the spider will hold the spider tightly against the resilient seat to hold the same under compression, said valve assembly also including a downwardly opening valve member yieldingly supported on the spider, said valve member including a valve stem threaded on its lower end for threaded engagement with a valve member.

2,182,279
BRAKE LEVER
Stuart H. Caldwell, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 23, 1937, Serial No. 165,231
5 Claims. (Cl. 74—536)

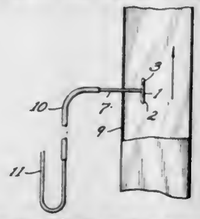


1. A ratchet, a pawl adapted to cooperate therewith, a pivot for said pawl, a lever pivoted at the center of curvature of the ratchet, a second lever pivoted on said first lever and supporting the pivot for said pawl, means urging the first lever in one direction, said pawl when moved past dead center in the opposite direction becoming locked against the ratchet, said second lever being adapted to move in the same direction as the first lever urging means to shift the pivot of the pawl, whereby said pawl is rotated through dead center position and released, latching means for preventing the shifting of the pivot of the pawl to release said pawl, and means on said pawl cooperating with the latching means, whereby to maintain said latching means in unlatched condition when it is desired to maintain said pawl in released position.

2,182,280
STATIC PRESSURE MEASURING DEVICE
Alfred S. Chipley, Chicago, and Ralph L. Leadbetter, Wheaton, Ill., assignors, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Wisconsin
Application May 18, 1938, Serial No. 208,516
7 Claims. (Cl. 73—31)

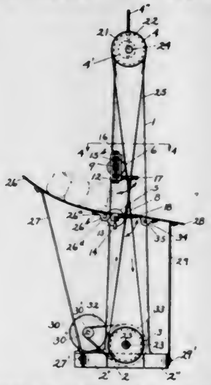
1. A device useful in measuring static pressure of a flowing fluid comprising a hollow elongated member disposed in alignment with the direction

of flow of the fluid and having openings in the extremities thereof of small cross-sectional area as compared with the inside cross-sectional area



of said hollow member, and means for connecting the interior of said hollow member with a pressure registering instrument.

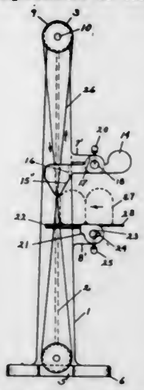
2,182,281
BREAD SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application January 11, 1937, Serial No. 119,936
6 Claims. (Cl. 146—88)



1. In a bread slicing machine having supporting means and a plurality of spaced slicing blades mounted to travel longitudinally thereon, an adjustable guide member comprising a shaft having one end removably united to the supporting means, a crossbar with brackets at each end thereof slidingly mounted upon the shaft and carrying a plurality of fingers adapted to extend between the slicing blades when in operable position, bores formed in the brackets respectively, corresponding bores formed in the shaft and threaded, bolts seated in the bores of the brackets and threaded into the bores in the shaft adapted to adjust the relative spacing of the crossbar and the shaft.

2,182,282
BREAD SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application December 27, 1937, Serial No. 181,744
5 Claims. (Cl. 146—88)

2. A bread slicing machine comprising a supporting frame, a pair of spaced pulleys revolvably mounted therein, a plurality of band-blades passing over said pulleys in crossed form, means to support the loaves of bread while being sliced, and slotted V-shaped guide members pivoted on the frame to turn and secure the blades into and at right angles to the line of travel of the bread and to guide said blades continuously at the points of the V's in juxtaposition to the upper surface of



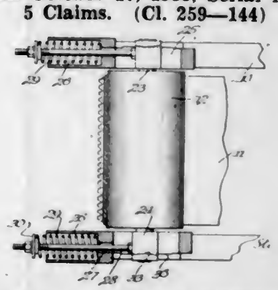
the bread and following the contour thereof during the slicing operation.

2,182,283
CHAPEL TENT
Thomas I. Curtis, Columbus, Ohio
Application September 12, 1939, Serial No. 294,533
6 Claims. (Cl. 135—4)



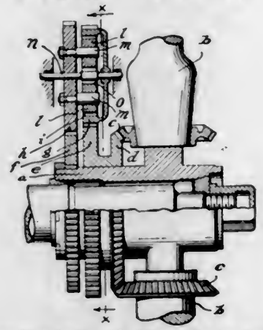
1. In a tent frame structure a foldable end assembly comprising a foldable arch member, a foldable beam member, brackets to which the ends of the arch and beam members are attached, supporting posts, and pivotal connections between the brackets and the upper ends of the posts.

2,182,284
SAND CONDITIONING APPARATUS
Stanley B. Davies, Kingston, Pa., assignor to Royer Foundry and Machine Co., Kingston, Pa., a corporation of Pennsylvania
Application October 17, 1938, Serial No. 235,504
5 Claims. (Cl. 259—144)



1. In a sand conditioning apparatus, a supporting frame having a pair of aligned bearing block receiving slots, a sand conditioning belt mounted in said frame, a belt supporting roller, and a pair of bearing blocks adjustably mounted in said slots and directly supporting said roller, each of said blocks being provided with a curved portion having a point contact with an adjacent flat portion of said frame to compensate for unequal adjustment of the bearing blocks.

2,182,285
ADJUSTING MECHANISM FOR PROPELLER BLADES AND THE LIKE
Ugo de Caria, Milan, Italy
Application April 6, 1938, Serial No. 200,543
In Italy June 5, 1937
2 Claims. (Cl. 74—280)



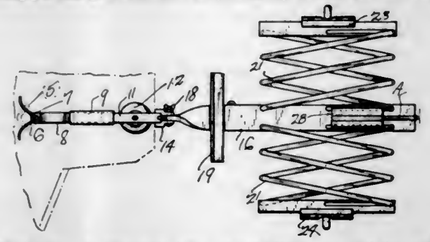
1. A mechanism of the character described comprising a rotatable hub, a member mounted for adjustment on said hub, a gear wheel keyed to said hub, a second gear wheel of different size from the first mentioned gear wheel loosely mounted on said hub, means connecting the second mentioned gear wheel with the adjustable member for effecting adjustment thereof, a shaft, a sun gear wheel on said shaft, planetary gear wheels meshing with the sun wheel, a ring gear meshing with both said planetary gear wheels and the second mentioned gear wheel, and means connecting the planetary gear wheels with the first mentioned gear wheel, said shaft being normally at rest during rotation of the hub and adapted, upon rotation thereof, to effect displacement of the second mentioned gear with respect to said hub and thereby effect adjustment of the adjustable member.

2,182,286
METHOD OF TREATING WATER SUPPLIES
Henry W. Doennecke and Emory W. Douglass, Tulsa, Okla., and Carl O. Anderson, Baxter Springs, Kans., assignors to Ozark Chemical Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application June 9, 1938, Serial No. 212,750
8 Claims. (Cl. 210—23)

1. The method of carbonating large volumes of water without appreciably raising the temperature thereof which comprises effecting combustion of a gaseous carboniferous fuel beneath the surface of the water and discharging the products of combustion directly thereinto while causing relative movement between it and the point of discharge to thereby intimately intermingle the combustion products and the water.

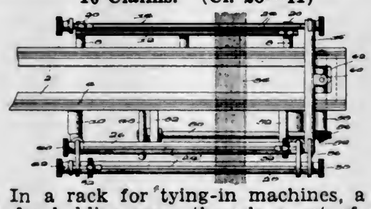
2,182,287
MUSIC HOLDER
George M. Eads, Clarkston, Wash.
Application July 1, 1938, Serial No. 217,043
2 Claims. (Cl. 45—58)

1. An accordion music holder of the class described including an expandable gripping member adapted to engage the handle of the accordion, an offset bar secured to said gripping member, a supporting element adjustably secured to said



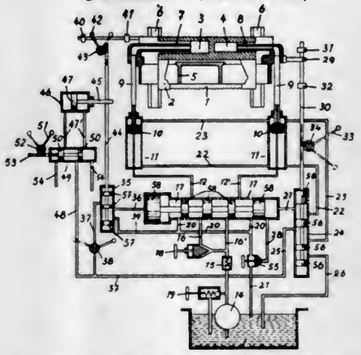
offset bar, a second bar pivotally secured to said support, a pivoted music holder slidable upon said bar, and lazy tong elements carried by said music holder and having clamps capable of gripping the music sheet edges.

2,182,288
RACK FOR WARP TYING MACHINES
Hugh P. Eanes, Waterbury, Conn.
Application July 13, 1934, Serial No. 735,038
10 Claims. (Cl. 28—41)



1. In a rack for tying-in machines, a set of bars for holding warp threads, a set of similar bars disposed above the first named bars, and means for moving said second set of bars longitudinally of the first-mentioned set of bars, said means consisting of a hand wheel, a worm gear, a shaft which is rotated by the rotation of the worm gear, and a rod secured perpendicularly to the shaft and movably to the said second set of bars.

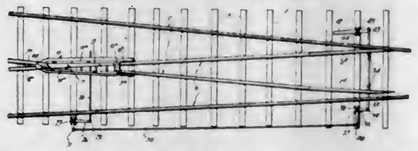
2,182,289
HYDRAULICALLY OPERATED HACKSAW
Hans Eisenlohr, Nurtingen, Wurttemberg, Germany
Application June 15, 1938, Serial No. 213,941
In Germany January 22, 1935
3 Claims. (Cl. 29—73)



1. A hydraulically operated hacksaw system comprising a hacksaw frame, means to support

and guide each end thereof and to prevent twisting of the said frame, means disposed in the back of the said frame to form a double acting cylinder, a stationary piston in each cylinder, each piston being hollow for the flow of the hydraulic medium, a container for the said hydraulic medium, communication means for the pistons and the container for the hydraulic medium, and means to control the delivery of the hydraulic medium from the said container into the respective cylinder to effect reciprocation of the hacksaw.

2,182,290
RAILROAD SWITCH FROG AND ASSEMBLY
Clyde E. Everhart, Wauchula, Fla.
Application March 2, 1938, Serial No. 193,427
2 Claims. (Cl. 246—387)

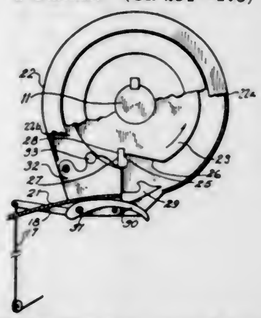


1. In a device of the kind described, an elongated, open base frame including spaced side bars having their inner adjacent margins extended in a tapered relation corresponding to the tapered relation of the inner rails of a switch track and main track, these bars being connected transversely at spaced points at their under sides by reinforcing cross slats and at their ends by a pivot head and a frog block respectively, the pivot head being located at the narrow end of the open frame which end of the frame is adapted to be mounted in the track-ways with the pivot head abutting the truncated ends of the outleading rails, and the frog block being located at the wider end of the open frame which end of the frame is adapted to be mounted in the trackways with the frog block abutting the truncated end of the inleading rails, the frog block being channeled medially from end to end along its upper face for accommodating wheel flanges and providing lateral raised wheel ways for alignment with the balls of adjacent rails, there being laterally spaced members extended at either side of the frog block for embracing the outer sides of the adjacent rail ends of the track-way, the opposite end of the frame at the pivot head having an extended wedge portion adapted to position between the adjacent rail ends of the trackway, the inner and under margins of the pivot head and frog block being undercut, a tapered tongue rail oscillatably seated within the open frame with the larger end thereof pivotally mounted in abutting alignment with the inner end of the pivot block and the smaller end freely disposed at the inner end of the frog block, both ends of the said tongue rail having lugs extended at the under sides for engaging the undercuts of the pivot head and frog block, for operatively locking the tongue rail to its seat.

2,182,291
BINDING MEDIUM
André Michel Fleuret, Paris, France, assignor to Etablissements Rouzaud & Fils, Paris, France, a corporation of France
No Drawing. Application March 10, 1938, Serial No. 195,156. In France March 16, 1937
8 Claims. (Cl. 106—29)

1. As a new and useful product a mixture comprising a magnesia cement and a thorium compound.

2,182,292
AUTOMATIC CATHEAD
William Guier, Tulsa, Okla., assignor to Unit Rig & Equipment Company, Tulsa, Okla., a partnership
Application October 22, 1937, Serial No. 170,468
4 Claims. (Cl. 254—173)



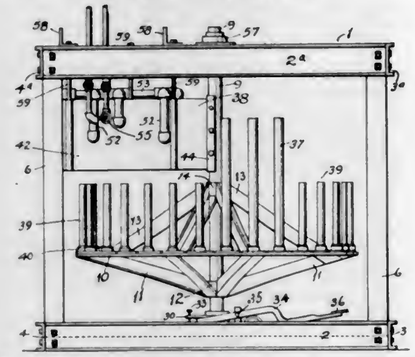
1. A cathead structure comprising a winding member having a winding surface for a line, a recess extending inwardly from the periphery of said winding member, a coupler member mounted in said recess, a line to be wound on said winding member and having a hook member for engagement with said coupler member for anchoring said line to said winding member, said hook member having a bill adapted to enter said recess and engage said coupler member and a tip extending beyond the periphery of said winding member when said bill is engaged with said coupler member, a release member in the path of said tip to disengage the hook member from the coupler member and means to initially place said hook member in engagement with said coupler member.

2,182,293
METHOD OF ATTACHING CORD TO SOAP
Lynde D. Hokerk, Utica, N. Y., assignor to Kerk Guild, Inc., Whitesboro, N. Y., a corporation of New York
Application August 6, 1938, Serial No. 223,495
8 Claims. (Cl. 87—23)



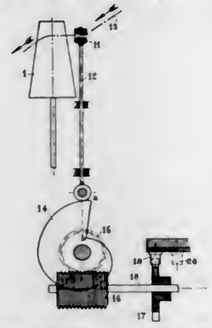
1. The method of attaching cord to soap which comprises the step of impregnating a cord of fibrous material with a liquid and causing the cord to swell and expand to a diameter greater than that of the untreated portion of the cord and filling the space between the fibers, solidifying and hardening the material filling the spaces between the fibres while the cord is in an expanded condition and thereby permanently maintain the increased diameter of the treated portion of the cord, and compressing a soap body around the treated diametrically enlarged cord by embedding the cord therein, whereby the cord is prevented from swelling or expanding within the soap body and cracking or otherwise injuring the same.

2,182,294
ANNEALING APPARATUS
Frederick C. Kuhnle, Grand Haven, Mich., assignor to American Brass Novelty Company, Grand Haven, Mich., a corporation of Michigan
Application April 25, 1938, Serial No. 204,078
1 Claim. (Cl. 263—7)



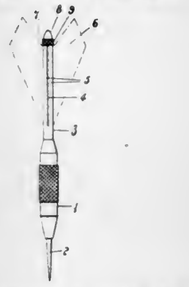
In an annealing apparatus, the combination comprising a rotatable tube supporting rack longitudinally adjustable of and secured to a vertical shaft and having a flat plate ring provided with plurality of upwardly extending columns each having a conical collar surrounding its lower end adjacent the said plate ring, the said columns being in spaced apart circular formation and a horizontally curved heating furnace in spaced apart relation above a portion only of the said plate ring and having a slot extending through its bottom and also extending the entire length of the furnace.

2,182,295
AUTOMATIC VARIABLE OUTPUT FEEDER FOR SHAPED KNITTED ARTICLES
Gaston Lebocey, Troyes, France
Application November 16, 1936, Serial No. 111,138
In France November 20, 1935
2 Claims. (Cl. 66—132)



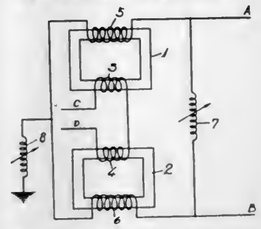
1. In a yarn-feeder for knitting machines, the combination of rotating conical drums pressed the one against the other and driven at a definite rate by the mechanism of said knitting machines, the yarn being so disposed as to pass between said drums and as to be driven by the latter, and a yarn guide arranged for introducing the yarn between said drums at a determined point, said yarn guide being secured to a vertical rod adapted to slide freely in a guide and to bear freely on a cam with its end which is opposite said yarn guide.

2,182,296
DART
Ferenc Lowy, London, England
Application October 31, 1938, Serial No. 238,030
In Great Britain November 4, 1937
6 Claims. (Cl. 273—106.5)



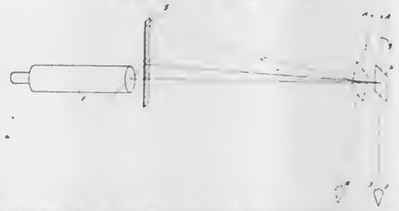
1. A dart comprising a body, a point at the forward end of the body, a flight holder at the rearward end of the body, longitudinal prongs to said flight holder extending to the tail thereof for gripping a flight element there between, and a cap mounted on the tail end of the prongs to embrace said tail end and hold the flight in position.

2,182,297
PARALLEL ELECTRIC POWER TRANSMISSION SYSTEM
Koichiro Maekawa, Tokyo, Japan, assignor to Tokyo Shibaura Denki Kabushiki Kaisha, Tokyo, Japan
Application September 16, 1937, Serial No. 164,261
In Japan September 21, 1936
6 Claims. (Cl. 171—97)



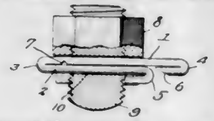
6. In electric power transmission system, the combination of transformer means, parallel transmission lines connected to the terminals of the high tension coils of the said transformer means, inductive means connected across the said parallel transmission lines, and means for so adjusting the value of inductive reactance that the resultant impedance, including self-impedance of said main transformer means, is always resonant or substantially resonant with the static capacity of the said parallel transmission lines, including other static capacities connected thereto, at the fundamental frequency of the transmission lines in spite of variation of the circuit conditions of the transmitting system, thereby increasing the impedance of the second component circuit of symmetrical sequence circuits of said parallel transmission lines.

2,182,298
METHOD OF MEASURING GRAVITY
Johan David Malmqvist, Boliden, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden, a joint-stock company limited of Sweden
Application February 8, 1938, Serial No. 189,455
In Sweden March 19, 1937
1 Claim. (Cl. 265—1.4)



A method of locating and determining the extent of ores or the like by measuring relative plummet deflections that are effected by the horizontal components of gravitational force that comprises the steps of fixedly locating a telescope having a scale associated therewith, and positioning a plummet having a reflective surface thereon for playing upon said scale, at selected points over the terrain under observation, while maintaining said telescope in fixed position, noting the variation in the deflection of the plummet as manifested on said scale while the plummet is located at each test station, and utilizing the variations in the plummet deflection as an index of the subsurface formations.

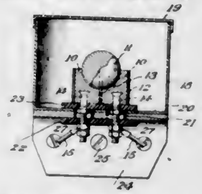
2,182,299
TAP LOCK EXPANSION OR COTTER PIN
Arnold Mattson, Greeley, Colo.
Application April 12, 1938, Serial No. 201,596
1 Claim. (Cl. 85—8.5)



A cotter pin of the class described, comprising straight first and second arms, the second arm being shorter than the first arm, the inner edges of the arms being substantially in contact throughout the entire length of the second arm, the arms being connected at one extremity by a bend, the first arm being provided on its inner edge with a transverse notch located closely adjacent to the bend, the second arm being provided at its opposite extremity with an underlying finger joined to the second arm by a second bend affording a curved surface, the first arm having an underlying finger supplied with a surface disposed at an acute angle to the longitudinal axis of the first arm, and outwardly of the second bend, in close relation thereto, the last-specified surface forming a wedge guided between the arms by contact with the curved surface, the first arm being angularly foldable at the notch.

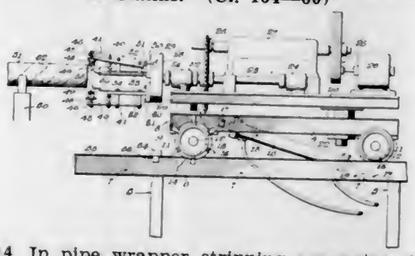
2,182,300
EMERGENCY CIRCUIT BREAKER
Paul C. McCandless, Butler, Pa.
Application April 4, 1938, Serial No. 199,997
2 Claims. (Cl. 200—52)

1. An emergency breaker for motor vehicles comprising a pair of upstanding metal sections hollowed out at contiguous portions of the top to form a cup-shaped seat, a metal ball having its lower portion engaged in said seat and bridging the seat sections, means for attaching circuit wires to the sections to connect the sections in series in an electric circuit, an insulating casing sleeved upon and engaging the outer sur-



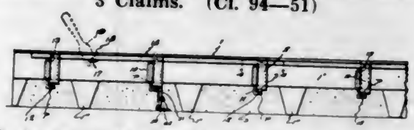
faces of the seat sections, and a casing housing the seat sections and ball and adapted to catch the ball and retain the ball between said insulating casing and the housing casing when the ball is dislodged from the seat by tilting the seat sections from upright position.

2,182,301
PIPE WRAPPER STRIPPING APPARATUS
Clifford F. Morain, Youngstown, Ohio, assignor to General Paint Corporation, San Francisco, Calif., a corporation of Nevada
Application May 20, 1939, Serial No. 274,822
20 Claims. (Cl. 164—60)



14. In pipe wrapper stripping apparatus, the combination of means for supporting a pipe having a wrapper on its external surface, wrapper stripping means, said stripping means including a generally tangentially effective stripping blade having a free end extended toward the pipe and a cutting disk effective in the generally radial direction and swivelly mounted at the free end of said stripping blade, means for moving the stripping means progressively in the direction of the length of the pipe and about the axis thereof to cause the swivelly mounted blade to spirally define the portion of wrapper material being stripped from the pipe, and means for stopping movement of the stripping means at a predetermined point in the length of the pipe to cause said swivelly mounted blade to make a truly transverse cut defining and terminating wrapper removal.

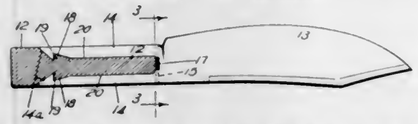
2,182,302
EXPANSION JOINT SETTING APPARATUS
George T. Nelson, Lebanon, Tenn.
Application October 28, 1938, Serial No. 237,537
3 Claims. (Cl. 94—51)



1. An expansion joint setting device comprising

a T-shaped member, arms extending outwardly from opposite sides of said T-shaped member, the outer ends of the arms extending downwardly and having recesses in their lower ends for receiving portions of dowel pins, means carried by the arms at one side of the T-shaped member for clamping an expansion strip against the stem of the T, tubular members on the opposite side of the stem and vertically arranged, hooks having portions rotatably arranged in the tubular members and said hooks having crank parts at their upper ends, a bar extending longitudinally of the T-shaped member and supported for sliding movement therein, and said bar having notches therein for receiving the cranks of the hooks for moving the hooks to operative and inoperative position.

2,182,303
CUTLERY CONSTRUCTION
Harvey R. Platts, Boulder, Colo.
Application June 25, 1937, Serial No. 150,347
6 Claims. (Cl. 30—342)



1. In cutlery construction, a handle element having notched grooves, a curved bolster of resilient material having spaced openings, and a blade element having resilient spaced tines provided with detents and adapted to slide through the openings in the bolster and to enter the grooves in the handle element to be retained therein by the locking of the detents in said notched grooves, the bolster bearing on the handle element and on the blade element between its tines.

2,182,304
COATING PROCESS
Clifford Jay Rolle, Yonkers, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application August 28, 1936, Serial No. 98,337
3 Claims. (Cl. 113—120)

1. The method of making an article coated with a resin composition, which comprises applying to a surface of the article an emulsion containing a resin plasticizer which is miscible and compatible with said resin composition, and a volatile liquid which constitutes the external phase of said emulsion, bending said article while furnishing heat thereto, thereby vaporizing said liquid, and applying said resin composition to the surface on which said plasticizer remains.

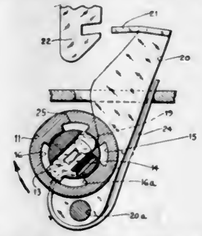
2,182,305
RECOVERY OF CARBON DIOXIDE FROM GASEOUS HYDROCARBONS
Ludwig Rosenstein, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 24, 1938, Serial No. 186,656
3 Claims. (Cl. 23—3)

1. In the process of recovering CO_2 from normally gaseous hydrocarbons of less than 5 carbon atoms by treatment with an aqueous solution of potassium phosphate, the improvement consisting of contacting said hydrocarbons while in the liquid state with the said aqueous solution containing tripotassium phosphate under conditions to maintain both, the material being treated and the treating agent, in the liquid state, thereby producing an aqueous solution containing absorbed CO_2, and recovering the CO_2 from the latter by steaming.

2,182,306
POLYMERIZATION OF ETHYLENE IMINES
Heinrich Ulrich, Ludwigshafen-on-the-Rhine, and Walter Harz, Dormagen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 24, 1936, Serial No. 76,260. In Germany May 10, 1935
8 Claims. (Cl. 260—2)

5. Viscous to waxy polymerization products of ethylene imines.

2,182,307
LOCK
Max O. Behnke, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application March 24, 1937, Serial No. 132,700
2 Claims. (Cl. 70—80)



2. In a lock of the class described, a key plug, a spring pressed locking lever, means whereby rotation of said key plug moves said spring pressed locking lever against its spring into release position, a cylinder relatively to which said key plug rotates, a series of tumblers carried by said key plug and projecting into a locking slot in said cylinder whereby to lock said plug against rotation in said cylinder, said tumblers being retractible by a key out of said locking slot whereupon said key plug is rotatable in a releasing direction to operate said releasing means, said cylinder having a second slot into which said tumblers may be projected by withdrawal of the key once said key plug is rotated a predetermined amount from its locked position, the said key plug being adapted for rotating said predetermined amount independently of said spring pressed locking lever, said second slot allowing free rotation of said key plug in a direction to move said locking lever to release position without the key maintaining the tumblers retracted, while cooperating with the projected tumblers to prevent rotation of said key plug back to its locked position.

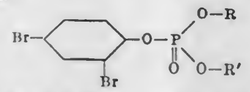
2,182,308
MANUFACTURE OF PHENOL-KETONE CONDENSATION PRODUCTS
Edgar C. Britton and Fred Bryner, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 18, 1938, Serial No. 214,565
6 Claims. (Cl. 260—619)

1. In a method of making bis-phenol by re-

acting a phenol with a ketone in the presence of mineral acid, the steps of neutralizing mineral acid in the reacted mixture with a basic alkaline earth metal compound and thereafter purifying the product by distillation.

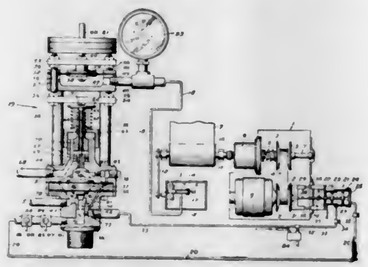
2,182,309
ORGANIC PHOSPHATES
Edgar C. Britton and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 20, 1938, Serial No. 225,940
7 Claims. (Cl. 260—461)

1. A mixed triaryl phosphate having the general formula



wherein R and R′ each represents an aromatic hydrocarbon radical.

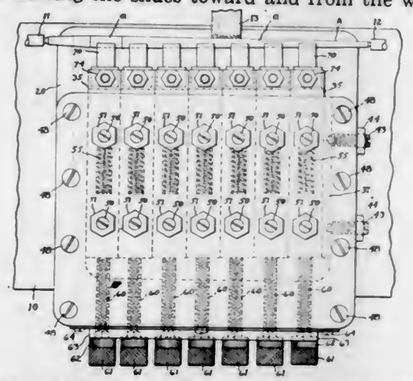
2,182,310
AUTOMATIC VARIABLE SPEED CONTROL MECHANISM
Hugh J. Byrne, Oakland, Calif.
Application February 15, 1937, Serial No. 125,822
7 Claims. (Cl. 74—230.17)



4. In a machine driven by a variable speed transmission having a shiftable speed changing element, means for automatically shifting said element comprising a rotary fluid pump in geared connection with said machine and provided with a fluid pressure line extending therefrom, a double-acting hydraulic cylinder connected to and for positively shifting said element in both directions, pipe means for introducing liquid under pressure to said cylinder for operating the same, a pilot valve controlling flow of liquid in said pipe means, and means for controlling said pilot valve in response to varying pressure in said fluid pressure line to keep the speed of the machine substantially constant.

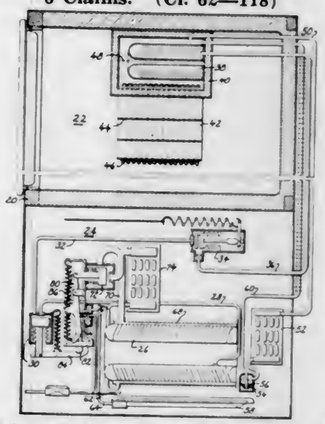
2,182,311
MULTIPLE STEADY REST
Raymond A. Cole, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 16, 1938, Serial No. 230,192
4 Claims. (Cl. 51—238)

1. A multiple steady rest comprising a plurality of slides, a plurality of steady rests each one swivelled to a slide, means for pressing the slides together horizontally to remove play, means for adjusting the slides vertically, means for pressing the slides vertically to remove play, and means for moving the slides toward and from the work



piece, said last named means constituting screw means accurately adjustable.

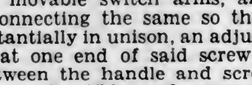
2,182,312
REFRIGERATING APPARATUS
John W. Craig, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 28, 1938, Serial No. 192,991
6 Claims. (Cl. 62—118)



1. Refrigerating apparatus including a generator-absorber, a cooling unit, a secondary refrigerant system in heat exchange relation with said cooling unit, said secondary refrigerant system having condensing means located below said cooling unit, pumping means for pumping liquid collected in a lower portion of said secondary system up to said cooling unit, and heating means for heating the generator-absorber and also for operating said pumping means.

2,182,313
PYROLYSIS OF SECONDARY-BUTYLBENZENE DERIVATIVES
Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 12, 1937, Serial No. 174,221
9 Claims. (Cl. 260—668)

7. In a method for making an allylbenzene compound the step which consists in pyrolyzing a compound having the general formula:

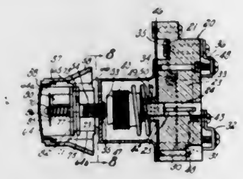


wherein X and Y each represents a substituent selected from the group consisting of hydrogen, halogen and lower alkyl substituents and n and n' are integers having a sum not exceeding 5.

2,182,314
THEOBROMINE ALKALINE EARTH METAL GLUCONATES
Russel J. Fosbinder, Short Hills, N. J., assignor to The Maltbie Chemical Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application June 25, 1937, Serial No. 150,328
6 Claims. (Cl. 260—253)

4. As a new composition of matter, a non-toxic alkaline earth metal double salt of theobromine and gluconic acid.

2,182,315
THERMOSTATICALLY OPERATED ELECTRIC SWITCH
George Hegeman Hart, West Hartford, Conn.
Application March 14, 1936, Serial No. 68,842
8 Claims. (Cl. 200—140)

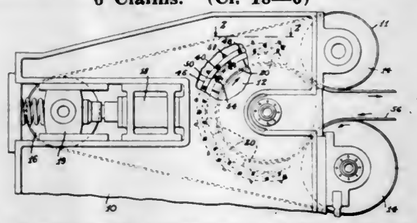


1. In a temperature controlled electric switch, a pair of movable switch arms, an insulating member connecting the same so that they will move substantially in unison, an adjustable screw, a handle at one end of said screw, calibrating means between the handle and screw, a bodily adjustable contractible and expansible bellows interposed between said insulating member and the other end of said screw, said screw being rotatable relative to the bellows, the end of said bellows engaging said screw being normally held against movement and the other end of said bellows associated with said insulating member being adapted to move upon contraction and expansion of the bellows, and a spring normally urging said bellows against the end of said screw.

2,182,316
INTERPOLYMERIZATION OF FUMARIC ESTERS AND ISOBUTYLENE
Heinrich Hopff and Gustav Steinbrunn, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 9, 1938, Serial No. 189,616. In Germany March 4, 1937
6 Claims. (Cl. 260—86)

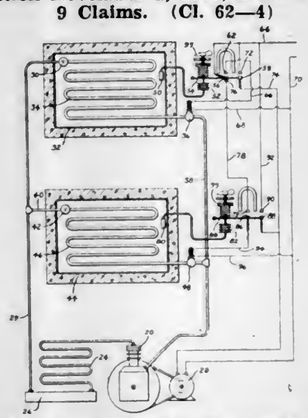
4. An interpolymerization product of a fumaric ester and isobutylene.

2,182,317
VULCANIZING MACHINE
Thomas M. Knowland, Belmont, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application August 12, 1937, Serial No. 158,723
6 Claims. (Cl. 18—6)



3. A continuous vulcanizing machine, comprising a frame, a cylindrical vulcanizing drum thereon, an endless band having an open loop portion passing around a substantial arcuate portion of the drum, a heating jacket having a concave arcuate surface located adjacent to and cooperating with said loop portion of the band, means for heating the jacket, locating means fixed to the frame and providing a radial guideway at each end of the jacket and intermediate of the side edges thereof, guide members on the jacket riding in said guideways and permitting pivotal movement of the jacket about a common axis extending through said members at both ends of the jacket, and means for forcing the jacket inwardly to engage said arcuate surface thereof directly and continuously with the band.

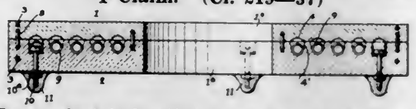
2,182,318
REFRIGERATING APPARATUS
Edward B. Newill, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 1, 1935, Serial No. 47,861
9 Claims. (Cl. 62—4)



1. Refrigerating apparatus including refrigerant liquefying means and refrigerant evaporating means, said evaporating means having a portion provided with a temperature responsive means for operatively connecting said portion to the liquefying means when refrigeration is required by said portion, said temperature responsive means also including means for simultaneously controlling the operative connection of a second portion of the evaporating means with the liquefying means, a second temperature respon-

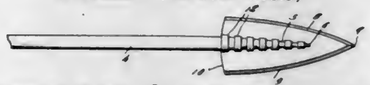
sive means for controlling the operative connection of said second portion of the evaporating means with the liquefying means, said first mentioned temperature responsive means also including means for simultaneously controlling the operative connection of a third portion of the evaporating means with the liquefying means, and a thid temperature responsive means for controlling the operative connection of said third portion with the liquefying means.

2,182,319
ELECTRICAL HEATING UNIT
Frederick E. Owen, East Palestine, Ohio, assignor to The Electrical Refractories Company, East Palestine, Ohio, a corporation of Ohio
Application December 14, 1936, Serial No. 115,720
1 Claim. (Cl. 219—37)



In an electric heating unit, the combination of a pair of upper and lower plates each formed of insulating material having dielectric properties, the opposed faces of the plates being flat and formed with circuitous related grooves and related circumferential recesses forming a closed chamber when the plates are assembled face to face, a resistor element mounted within and coextensive with the groove in said lower plate, a device within said chamber and extending substantially throughout the circumference thereof and having portions extending into each said recess, means for securing said device to the walls of said recesses, whereby said plates are secured together, means for bonding together the opposed faces of said plates exteriorly of the said grooves and recesses therein to seal them, and leads leading from said element to a point exterior of said unit.

2,182,320
ARROWHEAD CONSTRUCTION
Ben Pearson, Pine Bluff, Ark., assignor to Ben Pearson, Inc., Pine Bluff, Ark., a corporation of Arkansas
Application August 27, 1938, Serial No. 227,217
1 Claim. (Cl. 273—106.5)

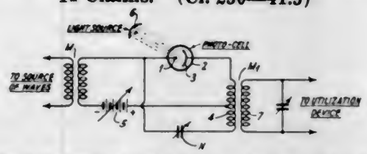


An arrow of the class described comprising a shaft having its front end tapering to a point, a head formed of a flat plate having its side edges converging from the rear end of the plate to a point at the front end thereof and said plate having a plurality of transverse slits in its central portion with the front slit being spaced an appreciable distance from the front end of the plate and said slits gradually decreasing in length from the rear one to the front one, the portions of the plate between the slits being bent alternately in opposite directions to form eyes for receiving the tapered part of the shaft.

2,182,321
PRODUCTION OF EFFECT FABRICS
Georges Rivat, Lyon, France, assignor to Henry Dreyfus, London, England
No Drawing. Application January 22, 1938, Serial No. 186,310. In Great Britain February 9, 1937
3 Claims. (Cl. 8—114)

1. Process for the production of fabrics showing pebble or cockle effects, which comprises treating for about 1–5 minutes at 15–20° C. fabrics containing in at least one of the yarn directions, yarns consisting of an organic derivative of cellulose alternating with yarns consisting of cellulose with a solution of a thiocyanate in concentration molecularly equivalent to 20–60% of ammonium thiocyanate.

2,182,322
WAVE LIMITER CIRCUIT
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 3, 1937, Serial No. 146,152
11 Claims. (Cl. 250—41.5)

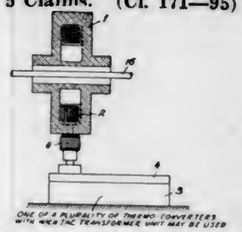


3. In a circuit for the transmission of high frequency signal-modulated oscillations, input and output circuits, means interposed between said circuits to limit the amplitude of said signal modulated oscillations, comprising a photo-electric cell of the type having only two electrodes, an anode and a cathode, and which requires relatively low anode potentials for producing saturation current, a source of illumination of constant intensity for said cell, means to adjust the anode potential of the cell, and means to neutralize the effect of capacity in shunt to said cell.

2,182,323
TREATMENT OF TEXTILE MATERIALS
George W. Seymour, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 4, 1939, Serial No. 259,802
31 Claims. (Cl. 28—1)

1. Method of conditioning textile materials containing organic derivatives of cellulose, which comprises applying thereto a conditioning fluid comprising a mineral oil, a softening agent for the organic derivative of cellulose, an aryl phosphate, a higher fatty acid and an alkylolamine.

2,182,324
DEVICE FOR MEASURING HIGH-FREQUENCY CURRENTS
Josef Stanek, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application July 24, 1937, Serial No. 155,557
In Germany August 6, 1936
5 Claims. (Cl. 171—95)



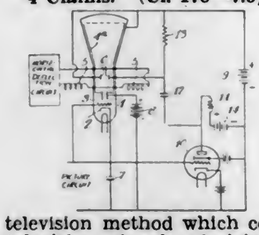
1. An arrangement for measuring high-frequency currents, comprising an annular magnet core having a bore for inserting a conductor carrying the high-frequency current to be measured, a secondary winding on said magnet core, at least two thermo-converters each comprising a heating wire and a thermo-couple connected to said heating wire, means for selectively connecting said secondary winding to one of said heating wires, a direct current instrument, and means for connecting said instrument to said thermo-couples.

2,182,325
PHOTOGRAPHIC PRINTING
Mayson H. Tucker, New York, N. Y.
Application September 28, 1938, Serial No. 232,045
5 Claims. (Cl. 95—77)



1. A contact photographic printing frame adapted for use in making half-tone photographic prints from a suitable negative comprising a facing of flexible, relatively incompressible, transparent sheet material, and a backing of flexible sheet material secured to said facing, said backing forming with the facing a pouch adapted to receive a photographic negative and a photographic printing paper, said backing being at least slightly elastically extensible, whereby the frame may be concaved to varying extents toward the facing in a manner to hold a negative and paper in the frame tightly in surface contact without wrinkling of the frame, and said frame being of such size and flexibility as to adapt it to be held in and curved by the hand with the negative and paper in place therein concavely toward the facing in a manner to hold the negative and paper tightly in surface contact, said frame when in use being free of light obstructing appurtenances before the transparent facing thereof.

2,182,326
TELEVISION RECEIVING APPARATUS
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 20, 1935, Serial No. 55,493
In Germany December 20, 1934
4 Claims. (Cl. 178—7.5)



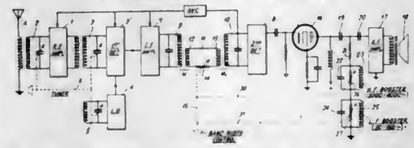
3. The television method which comprises developing television signals, deriving from the television signals a signal having a complementary quantity proportional in value to a derivative of said signal, and influencing the speed of optical reconstruction of said signals by means of said developed quantity to correct the distortion in said transmitted signals.

2,182,327
CARD TABLE
Ernest Wanz, New York, N. Y.
Application February 25, 1937, Serial No. 127,577
1 Claim. (Cl. 311—103)



In a game table having a table top and side members depending from and being flush with the edges of the table top, each two adjacent side members forming relatively broad table corners, a double drawer construction provided at each table corner and in close proximity to the corner edge, each drawer construction comprising a pair of superimposed drawers, arranged at substantially right angles to one another, the upper drawer of each pair being disposed in one of the side members, directly below the table top, the lower drawer being located just above the bottom edge of the other, adjacent side member.

2,182,328
BAND WIDTH AND TONE CONTROL CIRCUIT
Julius Weinberger, Bronxville, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 9, 1937, Serial No. 173,567
7 Claims. (Cl. 250—20)

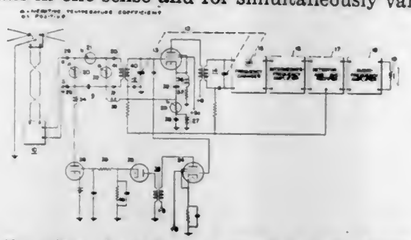


2. In a receiver of the type employing a signal selector network of the variable band pass type and an audio amplifier having a flat audio response over a wide audio range; the method of reception including simultaneously restricting the band width passed by said network, for weak signal reception, and accentuating low and high portions of the restricted audio range corresponding to the restricted band width.

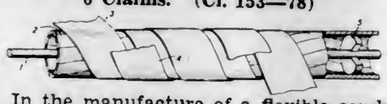
2,182,329
ATTENUATING NETWORK
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application June 23, 1937, Serial No. 149,795
18 Claims. (Cl. 179—171)

1. In a modulated-carrier signal receiver, a coupling system for adjustably coupling an input circuit to a vacuum-tube repeater comprising a signal selector coupled between said input circuit and said repeater, a cathode resistor for said repeater effective to produce degeneration at carrier frequencies, a pair of variable resistive impedance means so connected in circuit with said selector that a variation thereof in a given sense would cause them to vary the selectivity of said selector in the same sense and vary the coupling to said repeater in opposite senses, and means for

varying said resistor and one of said impedance means in one sense and for simultaneously varying the other impedance means in the opposite sense, thereby effectively to attenuate the input to said repeater.

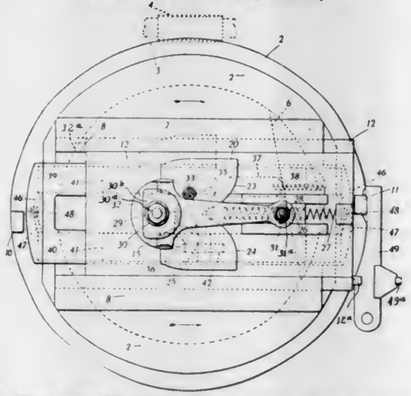


2,182,330
METHOD OF FABRICATING TUBULAR STRUCTURES
Alfred S. Windeler, Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1938, Serial No. 189,985
6 Claims. (Cl. 153—78)



1. In the manufacture of a flexible conductor for the transmission of high frequency electrical currents, said conductor comprising a multiplicity of strips disposed with a relatively long lay in one helical direction in laterally abutting, interengaging relation to form a tubular structure and metallic binding means wound helically about said structure with a relatively short lay in the opposite helical direction to render said structure self-supporting, the method step which comprises twisting said conductor about its axis in the helical sense of said binding means so as to tighten said binding means.

2,182,331
MILLING MACHINE FOR COPYING OR PROFILING
Harry Frederick Atkins, Old Fletton, Peterborough, England
Application September 21, 1938, Serial No. 230,912
In Great Britain August 11, 1937
6 Claims. (Cl. 90—13.7)

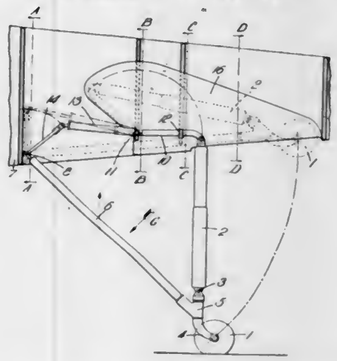


1. In a profile milling machine, the combination of a movable carrier, means for automatically moving said carrier, a fulcrum peg on said carrier adapted for swivelling, means for automatically swivelling said peg independently of the carrier, a pattern rigidly mounted on the fulcrum peg, means for supporting the work on and coupling it to the pattern to move as one piece therewith, a movable stylus to follow the contour of the pattern, and a cutter coupled to the stylus and adapted to operate on the work.

2,182,332
METHOD OF RECONSTRUCTING GLYCERIDE OILS
George Barsky, New York, N. Y., assignor to Wecoline Products, Inc., Boonton, N. J., a corporation of New Jersey
No Drawing. Application November 27, 1937, Serial No. 176,893
5 Claims. (Cl. 260—411)

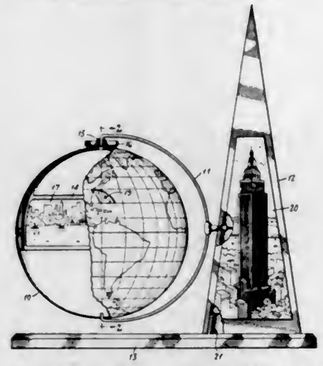
1. A method of treating glyceride oils having in combination lower and higher fatty acids of from 6 to 18 carbon atoms to alter the physical and chemical characteristics of said oils which comprises providing a mixture of said oil and a free fatty acid having at least 2 more carbon atoms than the lowest fatty acid to be displaced but not over 18 carbon atoms, and heating said mixture to a sufficiently high temperature whereby a reaction takes place freeing the lower fatty acids which are replaced by said added fatty acid and removing the fatty acids so freed.

2,182,333
TAIL SUPPORTING WHEEL OR ITS EQUIVALENT FOR AIRCRAFT
Leonard Eugene Cowey, Kew Gardens, England
Application August 11, 1938, Serial No. 224,289
In Great Britain August 17, 1937
4 Claims. (Cl. 244—102)



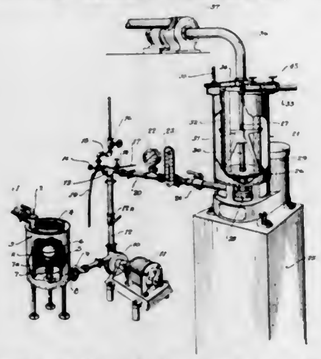
1. A mounting for a retractable or partially retractable aircraft tail wheel comprising radius rods connecting the tail wheel with the aircraft fuselage in a pivotal manner and extending upwardly and forwardly of said tail wheel, a telescopic compression strut connected at its lower end to the tail wheel and a link member pivotally connected at its forward end with the fuselage and at its rearward end with the upper end of the compression strut and movable upwardly and forwardly about the point at which it is connected to the fuselage to cause the radius rods, compression strut and tail wheel to be raised into a position in which they lie wholly or partially within the contour of the fuselage.

2,182,334
PANORAMIC DEVICE
Joseph Crespo, New York, N. Y.
Application February 18, 1939, Serial No. 257,050
4 Claims. (Cl. 40—126)



4. A panoramic device comprising a spherical casing representing a terrestrial globe, a support for said globe and means providing a universal bearing connecting said globe to said support, a panoramic picture within said casing and means enabling inspection of said picture.

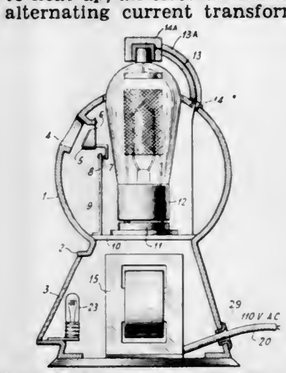
2,182,335
METHOD OF DEODORIZING MILK AND CREAM
Elmer M. Davis, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application August 25, 1934, Serial No. 741,483
4 Claims. (Cl. 99—61)



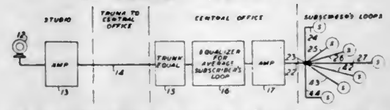
4. The method of deodorizing cream which comprises mixing preheated cream with superheated steam which is under substantial pressure and permitting the steam and volatile gases to escape in an open chamber.

2,182,336
AUTOMATIC LIGHTER AND DISPLAY DEVICE
Hallan Eugene Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 24, 1936, Serial No. 107,374
4 Claims. (Cl. 219—32)

2. An automatic lighting device comprising a casing having an aperture therein, an electric heating element within said casing and located in said aperture, means within said casing whereby pressure from the object to be lighted as it passes through said aperture causes said heating element to heat up, an electron discharge device and an alternating current transformer within said casing, said means comprising a pair of contacts, at least one of said contacts being secured to said heating element, said contacts being connected in series with the control element of said electron discharge device and said alternating current transformer whereby said heating element is heated.

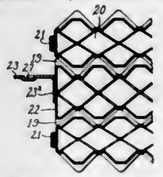


2,182,337
TRANSMISSION SYSTEM
Estill I. Green, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1938, Serial No. 207,003
11 Claims. (Cl. 179—1)



1. In combination, a main stem having a characteristic impedance of value Z_0 and a plurality of branch lines each having a characteristic impedance of value Z_0, said branch lines being divided into a plurality of groups each of which comprises a number of branch lines connected in parallel, all of said groups being connected in series to the main stem, the number of branch lines in each group and the number of groups being such that the sum of the impedances of all of the groups is equal to Z_0.

2,182,338
HEAT TRANSFER APPARATUS
Edward A. Gurlik, Hamden, Conn., assignor to The G & O Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application March 12, 1938, Serial No. 195,576
6 Claims. (Cl. 257—139)



6. In heat exchange apparatus, a core having liquid passages extending to an end thereof, a

header having a rim abutting portions of the end surface of the core, and a partition for dividing the header into separate chambers, located within and extending across the header, said partition being provided with lateral tabs contacting portions of the core and underlying the header rim and soldered to the core and rim.

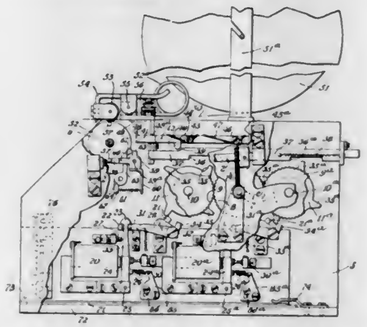
2,182,339

CALL CIRCUIT RECORDER

Frederick G. Halliden, Bellerose, N. Y., assignor to Postal Telegraph-Cable Company (New York), New York, N. Y., a corporation of New York

Application May 25, 1935, Serial No. 23,408

11 Claims. (Cl. 234—27.5)



9. In a recording mechanism, a pair of shafts, means for constantly rotating said shafts, a plurality of cams carried by said shafts, friction coupling means between each cam and its associated shaft, a magnet having an armature normally blocking each cam, a tape feed roller having two diametrically opposed projections, a constantly rotating shaft therefor, a friction coupling between said roller and its shaft, a lever normally in the path of said projections blocking the rotation of said roller, means operative upon the actuation of any one of said magnets to free its associated cam to rotate through a predetermined angle, means responsive to the rotation of any cam to print on the tape, means operative thereupon for actuating said lever to move out of the path of the projections on said tape feed roller, a movable latch for holding said lever in its actuated position, and a cam surface on said latch moved into the path of said projections when said lever is actuated.

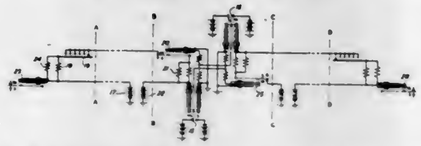
2,182,340

SIGNALING SYSTEM

Richard B. Hearn, Hollis, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 3, 1938, Serial No. 193,648

5 Claims. (Cl. 178—71)



1. A signaling system comprising an established connection from one subscriber's station over a subscriber's loop, another subscriber's loop to another subscriber's station, means at either subscriber's station for interrupting the continuity of the associated subscriber's loop for sending impulses to the said other subscriber's station, means for translating said interruptions into potential changes and a condenser type relay comprising crystal elements interleaved with conducting elements responsive to potential changes at each of said subscribers' stations for receiving said signals.

2,182,341

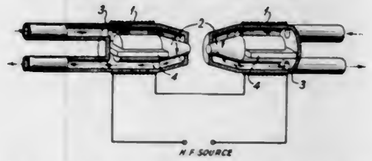
RADIO TUBE MANUFACTURE

Friedrich Hülster, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 7, 1938, Serial No. 228,726

In Germany September 7, 1937

2 Claims. (Cl. 219—47)



1. A device for heating selected metal parts of a radio tube by high frequency induction comprising two cylindrical metal cores of high magnetic permeability, the cores being tapered at their ends and adapted to be placed with the small ends of the cores on opposite sides of the selected metal pieces to be heated, a tubular jacket of insulating material coaxial with each core and sealed liquid-tight to the core at the small end, turns of a coil coaxial with and surrounding each core wound on the outer surface of each of the jackets, and a high frequency source connected to said coils.

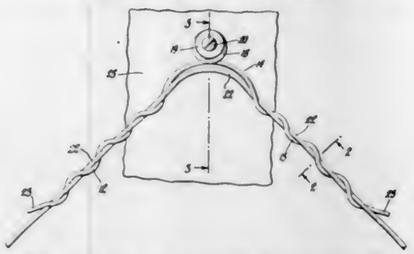
2,182,342

METHOD AND APPARATUS FOR MAKING HELICES WITHOUT THE AID OF A CORE OR MANDREL

John Karitzky, Garwood, N. J., assignor to Diamond Expansion Bolt Company, Garwood, N. J., a corporation of New Jersey

Application January 31, 1939, Serial No. 253,799

10 Claims. (Cl. 140—111)



1. The method of forming a supporting helix from wire or similar material, without the aid of a core or mandrel consisting in simultaneously bending a substantially straight wire along its length between oppositely disposed dies, one of which reciprocates relatively to the other, each die having helically curved shaping surfaces, to form a helix having a bore of substantially uniform diameter to support, grip and hold a wire or object mounted within it.

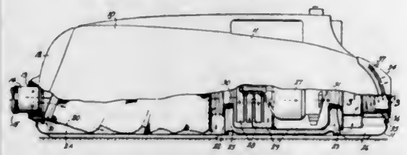
2,182,343

VACUUM CLEANER

Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application April 23, 1936, Serial No. 75,954

16 Claims. (Cl. 230—133)



1. In a vacuum cleaner, a casing having an exhaust opening, an air conduit connectible to said opening, air deflecting means for guiding flow of air through said opening when said conduit is disconnected, said deflecting means being inwardly displaceable from a position substantially flush with the exterior of said casing by the connecting of said air conduit, and means for producing flow of air through said casing and said opening.

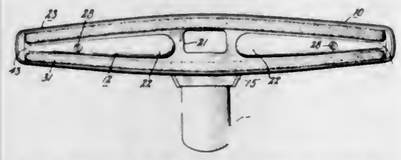
2,182,344

SUCTION NOZZLE

Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application December 23, 1936, Serial No. 117,255

13 Claims. (Cl. 15—158)



1. In a suction nozzle, an upper elongated hollow stamping, a lower elongated stamping, said stampings being secured with their peripheral edges in substantially air-tight relationship to substantially enclose a space therebetween, said lower stamping being formed with an opening and said upper stamping being formed with an opening in a side thereof which is in a plane disposed at substantially right angles to the plane of said bottom stamping, and a hollow angular member within and occupying a portion only of said space for conducting air from the aperture in the lower stamping through an angular path to the aperture in the upper stamping and preventing access of the air to said space, the walls of said hollow member being in alignment with the edges of said openings so as to provide for streamlined flow of air therethrough and to prevent accumulation of dust.

13. In a suction nozzle, an elongated member formed with a centrally located inlet opening, rows of brush bristles extending downwardly from the sides of said member to define with said member and the surface being cleaned an elongated passage extending a substantial distance on either side of the inlet opening towards the ends of the nozzle for the flow of air to said central inlet opening, said bristles being formed to provide for flow of air therebetween into said passage, and projecting portions extending downwardly from said member into said passage and below the plane where the bristles are connected to the member to thereby reduce the cross-sectional area of the passage, said projecting portions being spaced inwardly from said bristles whereby to permit flow of air between the bristles throughout their entire vertical extent.

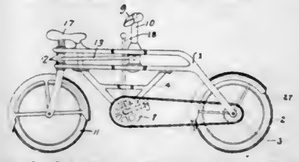
2,182,345

BICYCLE

Gustav H. Mieher, Carlinville, Ill.

Application November 3, 1937, Serial No. 172,510

1 Claim. (Cl. 280—238)



In a bicycle having a frame shaped to operatively and pivotally support a steering wheel at the rear thereof, steering handle bars operatively connected with said frame forward of the steering wheel and rearward of the front end of the frame which is shaped to define a wheel supporting yoke, a steering link operatively connecting said handle bar with said rear steering wheel; a pair of oppositely disposed sprocket wheels of unlike diameter independently supported on a common shaft, a drive wheel carried by said front yoke of the frame and provided with a sprocket wheel on each side thereof within said yoke, a sprocket chain establishing driving connection between each of said drive wheel sprockets respectively and said unlike diameter sprocket wheels respectively, a change speed clutch mechanism carried by said common shaft supporting said unlike diameter sprockets and adapted to be operatively and alternately engaged with said unlike diameter sprockets, shifting lever means pivotally supported in said frame and slidably shifting said change speed clutch mechanism and driving pedals operatively connected with said common shaft.

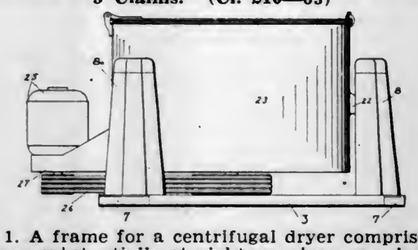
2,182,346

EXTRACTOR

Edward L. Miller, Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware

Application March 2, 1937, Serial No. 128,590

5 Claims. (Cl. 210—63)



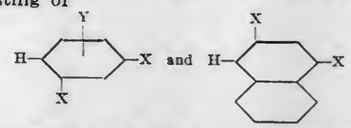
1. A frame for a centrifugal dryer comprising three substantially straight members, one being shorter than the other two, said members being welded together at corners to form a triangular base, a post at each of said corners, each post comprising a sheet bent to a generally semiconical form having a diametrical side facing inwardly and having its bottom straddling across the joint of the two members meeting at the corner and welded to each of them, supports welded to the top of the said sheet for supporting the curb of an extractor and means for connecting the curb to said supports for carrying the curb from each of said supports.

2,182,347
AZO COMPOUND
Arthur R. Murphy, deceased, late of Penns Grove, N. J., by Margaret R. Murphy, administratrix, Penns Grove, N. J., and Henry Jordan, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 7, 1937, Serial No. 152,364
6 Claims. (Cl. 260—171)

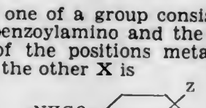
1. A dye which in the form of its acid is represented by the formula

$$Aryl\text{—}N{=}N\text{—}(Aryl_1\text{—}N{=}N\text{—})_{n-1}\text{—}(Aryl_2\text{—}N{=}N\text{—})_{n-1}\text{—}R$$

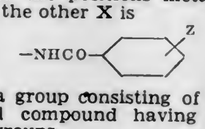
in which Aryl is the residue after diazotization of one of a group consisting of naphthylamine mono- and di-sulfonic acids, amino naphthol disulfonic acids and amino-benzene mono-sulfonic acids; $Aryl_1$ and $Aryl_2$ are each from the group consisting of the residues of amino-benzene, amino-benzene substituted not more than twice by at least one of a group consisting of alkyl and alkoxy, amino-benzene mono-sulfonic acids, amino-benzoylamino toluidines, naphthylamine and naphthylamine mono-sulfonic acids; each n is an integer not more than 2; R is one of a group consisting of



wherein H designates the coupling position, one X is one of a group consisting of amino and



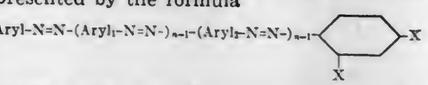
wherein Z is one of a group consisting of amino and amino-benzoylamino and the amino groups are in one of the positions meta and para to —CO—, and the other X is



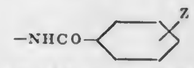
Y is one of a group consisting of hydrogen and methyl; said compound having at least two solubilizing groups.

2,182,348
POLYAZO DYE
Arthur R. Murphy, deceased, late of Penns Grove, N. J., by Margaret R. Murphy, administratrix, Penns Grove, N. J., and Henry Jordan, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 1, 1937, Serial No. 161,964
14 Claims. (Cl. 260—144)

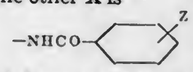
2. A product comprising a plurality of mols of the residue of an azo dye coupling component which is devoid of solubilizing groups, the residue after azotization of the sodium salt of a compound having at least two primary amine groups and azo bridges connecting the residue of said coupling component and the residue of said azotized compound, the azotizable compound being represented by the formula



in which aryl is one of a group consisting of the residue after diazotization of a naphthylamine disulfonic acid, an amino-naphthol disulfonic acid, a naphthylamine sulfonic acid and an amino-benzene mono-sulfonic acid; the radicals $Aryl_1$ and $Aryl_2$ are each from the group consisting of the residues after diazotization and coupling of amino benzene, amino-benzene mono-sulfonic acids, amino benzoylamino toluene, naphthylamine, naphthylamine mono-sulfonic acids, and amino benzene substituted not more than twice by at least one of a group consisting of alkyl and alkoxy; n is an integer not greater than 2; one X is one of a group consisting of amino and

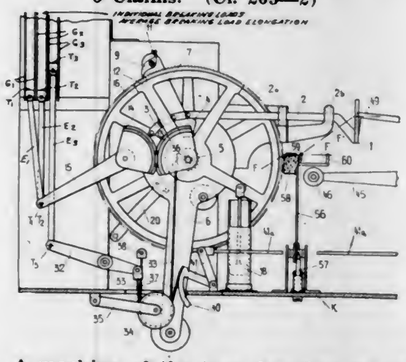


wherein Z is one of a group consisting of amino and amino-benzoylamino and the amino groups are in one of the positions meta and para to —CO—, and the other X is



said compound having at least two solubilizing groups.

2,182,349
YARN TESTER
Arrigo Pagnacco, Venice, Italy
Application November 25, 1936, Serial No. 112,687
In Italy November 30, 1935
6 Claims. (Cl. 265—2)



1. A machine of the type described for testing threads from a plurality of bobbins, comprising in combination a tensile straining device, a mechanism for introducing a specimen into said tensile straining device, a distributor carrying separately threads from the plurality of bobbins, members adapted to advance the distributor to such an extent that the threads from the individual bobbins come successively within range of said introducing mechanism and automatic means adapted to actuate said members for advancing the distributor after a determined number of tests.

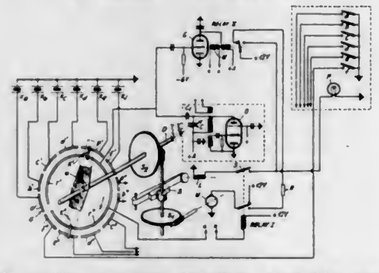
2,182,350
SULPHUR DYESTUFFS
Robert L. Perkins, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 19, 1937, Serial No. 175,438
19 Claims. (Cl. 260—139)

1. Sulphur dyestuffs dyeing unmordanted cotton brown shades and being reaction products of a 1,8-aminonaphthol disulphonate, an alkali metal polysulphide containing at least 2 atoms of sulphur for each atom of alkali metal therein, and an aldehyde.

2,182,351
SULPHUR DYESTUFFS
Ellis L. Punnett, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 19, 1937, Serial No. 175,437
14 Claims. (Cl. 260—128)

1. Sulphur dyestuffs dying unmordanted cotton brown shades and being reaction products of a 1,8-aminonaphthol disulphonate, an alkali metal polysulphide containing at least two atoms of sulphur for each atom of alkali metal therein, and a furan aldehyde.

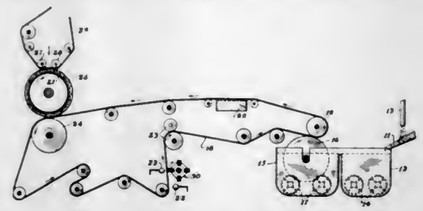
2,182,352
TUNING ARRANGEMENT WITH SELECTIVE SETTING OF PREDETERMINED FREQUENCIES
Rudolf Prochnow, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 5, 1937, Serial No. 157,471
In Germany August 13, 1936
6 Claims. (Cl. 250—20)



1. A radio receiver having variable tuning means, a plurality of manually operated selector keys, a motor under the control of said selector keys for effecting adjustment of said variable tuning means to one of a plurality of predetermined broadcasting stations, selector switch mechanism electrically connected to the selector keys, and a plurality of frequency responsive means each corresponding to one of the selector keys also associated with the selector switch mechanism, said selector switch mechanism being operatively connected to the variable tuning means and under the control of said motor for determining the desired tuning means adjustment.

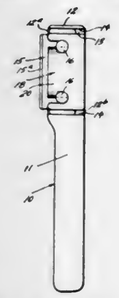
2,182,353
METHOD OF MAKING ASBESTOS AND CEMENT PRODUCTS
Ernest Wayne Rembert, Plainfield, N. J., and Dominic Bertogliat, Waukegan, Ill., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 24, 1937, Serial No. 132,748
2 Claims. (Cl. 92—66)

1. The method of manufacturing felted asbestos-cement products from a dilute aqueous pulp of Portland cement and asbestos fibres which comprises forming a dry mixture of asbestos fibres and Portland cement, adding to the dry mixture a sufficient quantity of water to form a dilute aqueous suspension of asbestos fibres and Portland cement containing 20–50 parts by weight of water to 1 part of asbestos and cement,



forming a thin felt from the dilute suspension thus formed within ten minutes of the time of addition of the water to the dry mixture, and compositing the felt upon itself to produce a laminated composite asbestos-cement tube.

2,182,354
SAFETY RAZOR BLADE HOLDER
Aaron Richstone, Poughkeepsie, N. Y.
Application February 24, 1938, Serial No. 192,274
1 Claim. (Cl. 30—333)



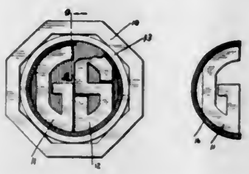
In combination, a safety razor blade holder comprising a handle, a fixed clamping jaw formed integral with one end of said handle, a depressed rectangular flat clamping surface formed on one side of said fixed clamping jaw extending the full width thereof and defining at each end a transverse shoulder disposed in parallel relation to each other, a pair of longitudinally spaced pins arranged to one side of the longitudinal center line of said clamping surface and normal thereto, each pin having a flat side and an overhanging head disposed in opposed relation to each other and with said flat sides parallel to said shoulders, said pins and shoulders acting to center and hold a safety razor blade against movement in any direction on said clamping surface except transverse movement in one direction and so positioning said blade that only one edge thereof will extend beyond the longitudinal edge of said clamping jaw nearest to said pins, and a removable clamping jaw rectangular in shape of the same width as said clamping surface but of less length thereof comprising an intermediate tongue defined by a pair of longitudinally spaced transverse slots extending inwardly from one longitudinal edge thereof, each transverse end of said tongue being bowed upwardly to provide a resilient holding portion, said slots being adapted to slidably receive said pins and said resilient holding portions engaging the underside of the heads of said pins whereby to securely clamp said blade to said holder.

2,182,355
APPARATUS FOR POSTING ELECTRICALLY TRANSMITTED INFORMATION
Louis L. Rustad and Victor E. Extrom, Minneapolis, Minn., assignors to Telegraphy Improvements Company, Minneapolis, Minn., a corporation of Minnesota
Application May 4, 1931, Serial No. 534,938
Renewed January 29, 1938
18 Claims. (Cl. 177—353)



16. In a system for posting information in regard to a plurality of items, a transmitter for transmitting information comprising item selection and price signals, a plurality of receiving stations, communication circuit means interconnecting said transmitter and said receiving stations, said receiving stations comprising groups of devices corresponding to the various items for posting the high and low prices and for printing the successive last prices of the items to indicate the trend of the market, means responsive to said item selection signals for selecting the posting and printing devices corresponding to the items concerning which information is to be posted, settable means responsive to said price signals and operable thereby to different settings in accordance with the numerical values of the price signals received, means including said settable means responsive to said price signals for actuating the devices for printing the successive last prices of the items, comparing means operatively associated with said settable means for automatically comparing the instant prices of the items set up in said settable means with the high and low prices previously posted by the high and low posting means, and means controlled by said comparing means for actuating said high or low posting means when the last prices are new high or new low prices.

2,182,356
ORNAMENT
Jacob Schlesinger, New York, N. Y.
Application February 23, 1939, Serial No. 257,844
7 Claims. (Cl. 40—140)

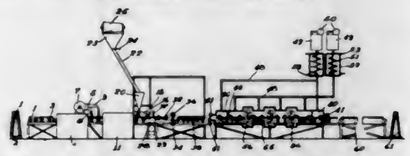


4. An article of the character described comprising a set of figures, a section of a frame integral with each of said figures whereby said sections cooperate to form a frame for the set of figures when said figures are assembled, a support, and means to connect said set of figures to said support.

2,182,357
MANUFACTURE OF CASEIN PRODUCTS
Charles Schwartz, Pittsburgh, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 17, 1937, Serial No. 148,750
6 Claims. (Cl. 134—12)

1. A plastic setting mass adapted for use as coating and sizing compositions, paints, glues and the like, containing casein and an alkali-metal tripolyphosphate.

2,182,358
APPARATUS FOR MAKING SAFETY GLASS
James H. Sherts and Brook J. Dennison, Tarentum, Pa., assignors, by mesne assignments, to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Original application December 22, 1934, Serial No. 758,786. Divided and this application January 20, 1938, Serial No. 185,887
7 Claims. (Cl. 18—17)



1. Apparatus for making safety glass comprising a conveyor for the glass plates, means for feeding a layer of finely divided plasticized resin onto the plates as they move along the conveyor, means for heating the plates and the resin layer thereon to cause the resin particles to adhere to each other and to the plates, presser means above the line of travel of the conveyor for compacting and smoothing the layers of resin on the plates, and heating and pressing means along the further line of travel of the conveyor which heat the plates and press them after they have been assembled with the resin layers therebetween.

2,182,359
POLYVINYL ACETAL RESIN SHEETS CONTAINING AN ALKYL CARBAMATE AND DIBUTYL PHTHALATE
Henry B. Smith and Donald R. Swan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 3, 1937, Serial No. 177,966
3 Claims. (Cl. 260—36)

1. A transparent, rubbery sheet comprising 100 parts of a polyvinyl acetal resin and, as an elasticizer therefor, at least 40 parts, approximately, of a mixture consisting of 30–70% of an alkyl carbamate selected from the group consisting of butyl carbamate and isoamyl carbamate and 70–30% of dibutyl phthalate.

2,182,360
POLYVINYL ACETAL RESIN SHEETS CONTAINING O-CRESYL TOLUENE SULPHONATE
Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 15, 1937, Serial No. 180 032
3 Claims. (Cl. 260—36)

3. A transparent, rubbery sheet comprising a polyvinyl acetal resin in which a predominating proportion of the acetal groups are butyraldehyde acetal groups, and an amount of o-cresyl toluene sulphonate sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

2,182,361
POLYVINYL ACETAL RESIN SHEETS CONTAINING BENZYL HYDROGEN SUCCINATE
Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 15, 1937, Serial No. 180,035
2 Claims. (Cl. 260—36)

2. A transparent, rubbery sheet comprising a polyvinyl acetal resin in which a predominating proportion of the acetal groups are formaldehyde acetal groups, and an amount of benzyl hydrogen succinate sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

2,182,362
POLYVINYL ACETAL RESIN SHEETS CONTAINING DI - (2 - (β - ETHOXYETHOXY) - ETHYL-) FORMAL
Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 22, 1937, Serial No. 181,222
4 Claims. (Cl. 260—36)

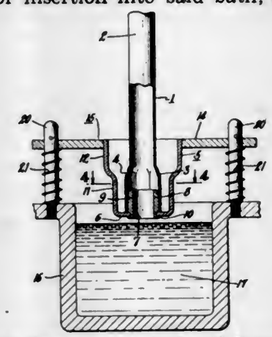
4. A transparent, rubbery sheet comprising a polyvinyl acetal resin in which a predominating proportion of the acetal groups are selected from the group consisting of acetaldehyde acetal groups and butyraldehyde acetal groups, and an amount of di-(2-(β-ethoxyethoxy)-ethyl-) formal sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

2,182,363
POLYVINYL ACETAL RESIN SHEETS CONTAINING DI - (2 - (β - BUTOXYETHOXY) - ETHYL-) FORMAL
Henry B. Smith and Donald R. Swan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 22, 1937, Serial No. 181,225
4 Claims. (Cl. 260—36)

4. A transparent, rubbery sheet comprising a polyvinyl acetal resin in which a predominating proportion of the acetal groups are selected from the group consisting of acetaldehyde acetal groups and butyraldehyde acetal groups, and an amount of di-(2-(β-butoxy-ethoxy) - ethyl -) formal sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

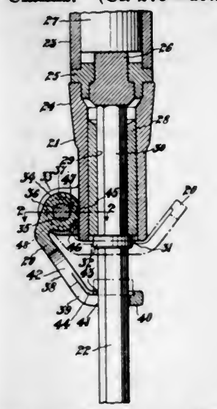
2,182,364
APPARATUS FOR HEATING TUBULAR MEMBERS
Philip A. Smith, Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
Application May 10, 1937, Serial No. 141,649
11 Claims. (Cl. 263—2)

1. Apparatus for heating the end of a metal tube, which apparatus comprises a bath of molten material and a fixture comprising a wall adapted to surround the end of said tube and having a passage therethrough communicating with the interior only of said tube, means mounting said fixture for insertion into said bath, and means



for limiting the movement of said fixture into said bath whereby said molten material is introduced into a limited portion of the interior only of said tube.

2,182,365
STEEL RETAINER
William A. Smith, Sr., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application August 4, 1937, Serial No. 157,279
2 Claims. (Cl. 279—19.1)

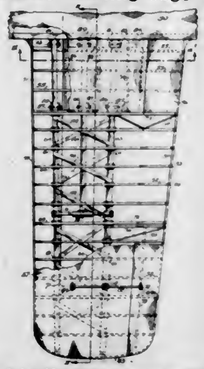


1. A steel retainer for a rock drill comprising, in combination with a front head and a collared working implement, a pair of lugs on the front head having coaxially aligned apertures, a retainer cooperating with the collar of the implement to retain the implement in the front head, a pivot in the apertures extending through the retainer, seating surfaces on the retainer to engage the front head for holding the retainer in retaining and releasing positions, and resilient sleeves in the apertures to serve as bearings for the pivot and to press the seating surfaces into engagement with the front head.

2,182,366
RESILIENT WING FOR AIRPLANES
John Dumans Van Vliet, Grand Haven, Mich.
Application October 8, 1937, Serial No. 167,881
23 Claims. (Cl. 244—38)

8. An airplane including a fuselage having wings inherently capable of elastic deformation

laterally and helicoidally about their respective elastic axes, each of said wings comprising: resiliently flexible main spars; a resiliently flexible drag-bracing connecting said spars, said drag-bracing being conformed to permit each spar to flex independently of the other spar; wing-ribs disposed transversely to said spars, each wing-rib having a resilient universal-jointed mounting on each of said spars, said mountings being conformed to permit the ribs to rock about the spars in any plane; a resiliently flexible nose-covering constituting the entering edge of the wing, a resiliently flexible trailing-edge member floatingly mounted in the rear extremities of the wing-ribs; an aileron-carrying spar floatingly carried by said wing-ribs; resiliently flexible drag-braces attaching said aileron-carrying spars to the rear wing-spar; an aileron having hinged attachment to said aileron-carrying spar; a wing-covering adapted to elastic deformation having attachment to the said wing-ribs, nose-covering, and trailing-edge stringer, and co-operative with all of said elements; and secondary supporting means carried by the fuselage intermittently coactive with the said resiliently flexible main-spars for reversing and decreasing the bending-moments in the said wing-spars.

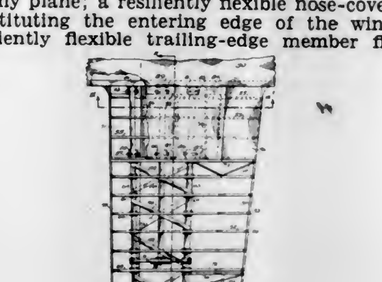


2,182,367

INKING MECHANISM FOR ROTARY INTAGLIO PRINTING MACHINES

Adolph M. Zuckerman, New York, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application May 25, 1934, Serial No. 727,556
Renewed May 5, 1939
33 Claims. (Cl. 101—157)



1. The method of inking an intaglio printing cylinder, which consists in rotatably mounting the cylinder in a chamber, communicating the chamber with an ink reservoir, pumping ink from the reservoir to the chamber, controlling the quantity of ink supplied to the chamber independently of the quantity of pumped ink, maintaining a predetermined quantity of ink in the chamber, rotating the cylinder in the ink to deposit a film of ink thereon, and scraping the surplus ink from the surface of the cylinder.

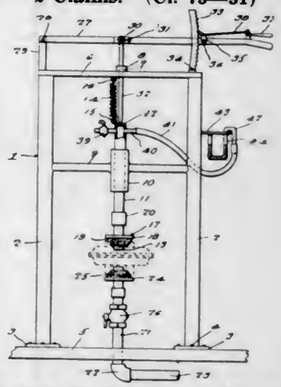
9. In a printing machine, an ink fountain, a rotatable intaglio printing cylinder operable in the fountain, the fountain housing the major portion of the cylinder, independent means external of the fountain for rotatably supporting the printing cylinder, movable means for supporting the fountain for movement towards and away from the cylinder, and fountain components removable to open the fountain to permit the movement of the fountain away from the cylinder.

2,182,368

TESTING APPARATUS

Alonzo D. Adair, Wharton, Tex.

Application October 6, 1938, Serial No. 233,660
2 Claims. (Cl. 73—51)



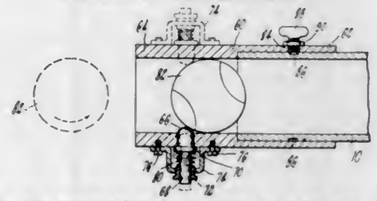
1. Apparatus for testing regulators having a pipe fitting extending therefrom comprising a base, a vertically disposed frame on said base, a pressure line upstanding from said base, a tubular member vertically reciprocable in said frame toward and from the upper end of said line axially of the line and having a closed top and an end opposed to the upper end of said line, means to reciprocate said member including a hand lever pivoted on the frame, a pair of combined clamping and sealing members of annular form fixed to the opposed ends of said line and tubular member, respectively, for clampingly engaging opposite ends of said pipe fitting therebetween under downward movement of said tubular member, a pressure gauge connected to the upper end of said member, and a pressure release cock at the upper end of said tubular member for exhausting the pressure therefrom at will.

2,182,369

BASEBALL PROJECTING APPARATUS

Christopher T. Barron, Salem, N. H.

Application January 23, 1939, Serial No. 252,275
2 Claims. (Cl. 124—30)



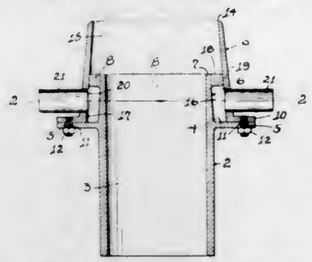
1. In an apparatus including a tube for projecting a baseball, a device for imparting a spin to the ball, said device comprising a plunger having a rounded inner end projecting into the bore of the tube near the discharge end thereof and yieldable radially away from the axis of the tube, a spring pressing said plunger inward, and means for adjusting the pressures of said spring.

2,182,370

EXHAUST NOZZLE FOR LOCOMOTIVES

Fred H. Carroll, Jacksonville, Fla., assignor of one-half to George P. Koelliker, Jacksonville, Fla.

Application March 14, 1938, Serial No. 195,838
3 Claims. (Cl. 230—100)



1. An exhaust nozzle for locomotives comprising a flanged tubular member having a plurality of outwardly extending lugs at its upper edge, a second flanged tubular member of larger diameter than said first member partly sleeved over said first member for encircling same and circumferentially spaced therefrom by said lugs, said second member being supported by its flange upon the flange of said first member and provided with a plurality of openings in its circumferential wall, and a plurality of short, open-ended pipe sections seated in the openings of said wall and radially extending therefrom.

2,182,371

POLYVINYL ACETAL RESIN SHEET CONTAINING TRIPROPIONIN

Emmett K. Carver and Bruce E. Gramkee, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 15, 1937, Serial No. 179,962
5 Claims. (Cl. 260—36)

5. A transparent, rubbery sheet comprising a polyvinyl acetal resin and an amount of tripropionin sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

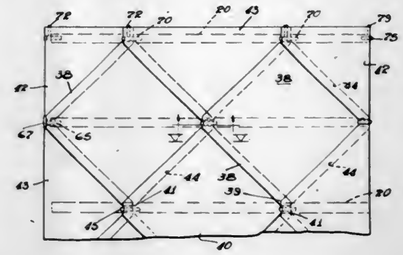
2,182,372

BUILDING COVERING

Samuel F. Cox and Percy E. Knudsen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application June 17, 1938, Serial No. 214,247
11 Claims. (Cl. 108—10)

1. A building having an outer shell, a portion of which comprises laterally spaced non-horizontal bars, quadrilateral plates of glass disposed diagonally directly upon the bars with two diagonally-opposed lateral corners resting upon alternate bars and the remaining two corners being over the intermediate bars, and the two lower margins of each plate overlapping a single upper margin of each of two lower plates, and means to secure each plate to an intermediate bar, the bars being metallic hollow members which are longitudinally slotted along their top surfaces, the means to secure the plates to the bars comprising elongate metallic members having portions engaging the tops of the bars on each side of the slots and portions hooking over the lower corners of the glass plates, clamping elements within the bars and screws extending through the metallic members and the clamping elements to draw them together to clamp the walls of the bars.

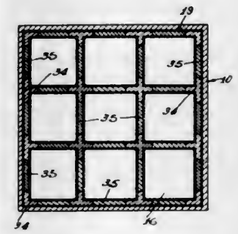


2,182,373

FRANGIBLE BLOCK MOUNTING

Samuel F. Cox, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application August 10, 1938, Serial No. 224,133
4 Claims. (Cl. 72—42)



1. A building wall comprising hollow blocks of frangible material, the joints between the blocks being filled by alternate masses of relatively hard non-plastic cement and a softer yielding permanently plastic mastic, the cement masses being completely separated by the mastic and the weight of the blocks being carried by the cement.

2,182,374

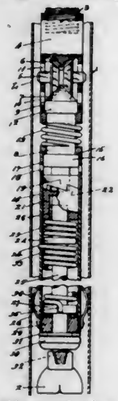
TOOL SPINNER FOR WELL DRILLING

William H. Dumble, Bakersfield, Calif.

Application January 3, 1938, Serial No. 182,986
16 Claims. (Cl. 255—4)

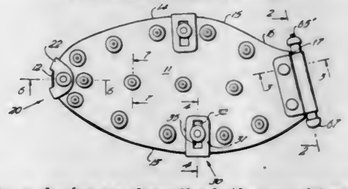
1. The combination in a cable-type well tool string, of a rotary tool carrier, a body adapted for attachment to and support by such a string, means on the body to hold the body against rotation while suspended in service, the carrier being rotatively mounted on said body and having capacity for relative, axial motion, as to the holding means, a torsional spring connecting the body and the carrier for rotating the carrier, and releasable locking means connecting the body

and the carrier against relative rotation by the spring and including mutual parts being releas-



able upon axial action of the holding means as to the carrier.

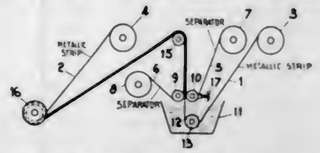
2,182,375
SPIKED DETACHABLE SHOE SOLE
Carl H. Erdman, Fullerton, Calif.
Application May 14, 1938, Serial No. 207,952
6 Claims. (Cl. 36—7.7)



1. In a device as described, the combination of a detachable relatively thick sole shaped as to its toe and side edges to conform approximately to the contour of the sole of a shoe and having a straight transverse rear edge, a fixed toe jaw assembly including a plate attached on the underside of the detachable sole and having a pair of upwardly extending straps with a flange, a pair of side jaw assemblies each including a plate adjustably attached to the detachable sole on the underside thereof and each having an upwardly turned strap with an inturned flange forming jaw elements, a rear jaw assembly including a tubular guide structure with upper and lower plates secured to the detachable sole adjacent its rear end, a pair of jaw shanks each having sole engaging jaws slidably mounted in the tubular guide, means to prevent relative rotation of the shanks and the guide, a screw extending through one of the shanks and threaded into the other shank for simultaneously adjusting the jaw-like structures on both of the shanks.

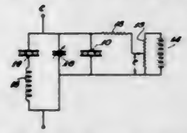
2,182,376
ELECTROLYTIC CONDENSER AND METHOD OF MAKING THE SAME
Donald E. Gray, Yonkers, N. Y., assignor to Cornell-Dubilier Corporation, New York, N. Y., a corporation of New York
Application July 6, 1934, Serial No. 733,976
13 Claims. (Cl. 175—315)

1. The method of manufacturing electrolytic capacitors which comprises passing a metal foil through a solution of electrolyte of comparatively thick consistency at such rate as to produce a thick and uniform coating of electrolyte on said foil, applying an uncoated fibrous spacer to said coated foil, applying controlled pressure thereto to impregnate the spacer with said coating and to remove excess electrolyte therefrom, and there-



after winding the combined foil and spacer with associate capacitor elements into a supply roll from which the wound material may be withdrawn in units for the individual capacitors as desired.

2,182,377
METHOD AND MEANS FOR TUNING ELECTRIC OSCILLATORY CIRCUITS
Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, a corporation of New York
Application April 14, 1938, Serial No. 201,945
In Switzerland May 1, 1937
11 Claims. (Cl. 250—40)

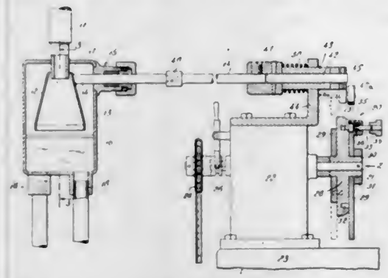


1. The combination with a tunable circuit, of a polarized variable condenser arranged to form an effective tuning element of said circuit, said condenser comprising a pair of electrodes and a thin intermediate layer of low conducting material arranged between said electrodes and being intimately united with at least one of said electrodes, a source of variable uni-directional potential, and means for impressing said potential upon said electrodes in the current blocking direction of said condenser.

2,182,378
MECHANICALLY OPERATED REFLUX PROPORTIONER
Thomas M. Gunn, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1937, Serial No. 165,339
3 Claims. (Cl. 137—166)

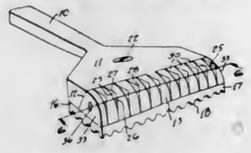
1. In a stream proportioning device, a box having an inlet conduit extending to discharge therein, two outlets in the bottom wall thereof, a baffle dividing the lower portion thereof into two chambers each communicating with one of the outlets, a deflector mounted within said box on a shaft extending through the side wall thereof, said deflector being movable through said shaft to and fro to alternate positions to discharge substantially all of the fluid through the deflector into the selected chamber within the box, and means for frictionally retaining said shaft against rotation including a bearing for said shaft, a sleeve keyed to said shaft on one side of said bearing, a sleeve free on said shaft on the other side of said bearing, an arm keyed to said shaft adjacent said free sleeve, said arm having extending portions thereon adapted to be engaged by cams to rock said shaft, and a spring interposed between said keyed sleeve and said

bearing to frictionally retain said arm against said free sleeve and said free sleeve against said bearing to retain the shaft and deflector in an adjusted position until positively moved, said



deflector having side walls defining a chamber open at its top and bottom, said side walls surrounding the end of said inlet conduit and being tapered inwardly on opposite sides of the chamber.

2,182,379
MEAT PREPARING INSTRUMENT
Carl L. Hagan, Portland, Oreg.
Application February 25, 1938, Serial No. 192,542
1 Claim. (Cl. 30—304)



A meat cutter instrument consisting of a flat handled body member having a beveled edge opposite its handle and normal thereto and having a tongue projecting from said beveled edge, alternate cutting blades and spacers disposed on each side of said tongue, said spacers and blades being of a width equal to the body member, a bolt passing through all of said spacers, blades and tongue member and a plate secured against one flat side of said body member forming a stop for said blades.

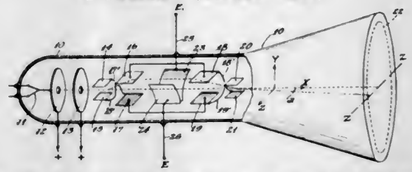
2,182,380
CADMIUM COMPOSITION
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Original application October 2, 1937, Serial No. 167,023. Divided and this application February 24, 1939, Serial No. 258,189
4 Claims. (Cl. 75—22)

3. A metal composition consisting of about 80% nickel and about 20% cadmium.

2,182,381
CONTACTING ELEMENT
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application April 15, 1939, Serial No. 268,119
7 Claims. (Cl. 200—166)

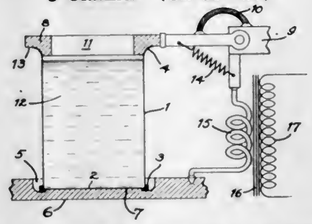
1. An electric contacting element formed of a copper base alloy containing .05% to 20% thallium.

2,182,382
CATHODE RAY DEVICE
Hans Erich Hollmann, Berlin-Lichterfelde, Germany, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application April 29, 1937, Serial No. 139,644
In Germany October 29, 1936
4 Claims. (Cl. 250—158)



4. The combination with a cathode ray device comprising an evacuated vessel, electron gun means therein for producing a concentrated electron ray and a target arranged to be impinged by said electron ray, of an arrangement for deflecting said electron ray in a predetermined direction according to a variable control potential, said deflecting arrangement comprising means for variably displacing a part of said electron ray disposed between said electron gun and said target parallel to itself in proportion to said control potential and in a direction normal to said predetermined direction, and further means for simultaneously exercising a deflecting field in accordance with the same control potential upon the displaced part of the electron ray to deflect the same in said predetermined direction.

2,182,383
MEANS AND METHOD OF PROCESSING CANNED FOODS
Otto W. Lang and Harold C. Betts, San Francisco, Calif.; said Betts assignor of fifteen per cent to said Lang
Application September 28, 1936, Serial No. 102,855
3 Claims. (Cl. 53—20)



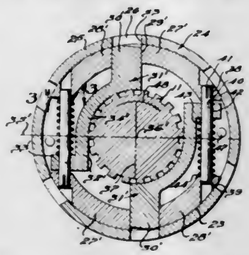
1. The method of processing relatively non-conductive organic material processed and sold in tinned iron containers known to the trade as tin cans, having a seam between side walls and end thereof, which comprises contacting said side walls and said end, passing a heating current between the points of contact, and providing an auxiliary current path around said seam during the passage of said heating current.

2,182,384
RECOVERY OF WASTES FROM GLASS GRINDING AND POLISHING OPERATIONS
Rob Roy McGregor, Swissvale, Pa., assignor to Norbert S. Garbisch, Butler, Pa.
No Drawing. Application April 13, 1937, Serial No. 136,699
3 Claims. (Cl. 252—8)

1. A process of producing relatively pure substantial iron-free mixtures of intimately asso-

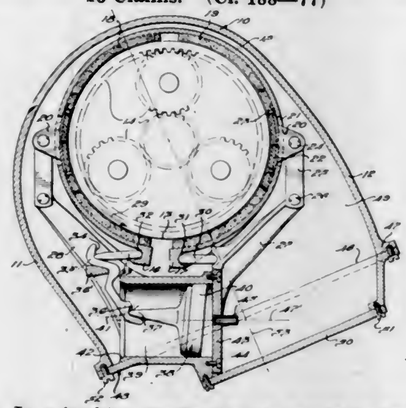
ciated and very finely divided silica and glass suitable for use as a combined source of silica and cullet in a glass batch, as a substitute for both ground flint and felspar in a ceramic body and similar purposes, from waste sand produced in the grinding of the surface of glass plates with sand of glass batch purity, said waste sand containing substantial amounts of iron added by the grinding operations and being of a particle size such that at least about 90 per cent of it will pass through a screen of about 325 mesh, which process comprises treating the sand sludge while fresh from the grinding operation by means of a magnetic separator to take out metallic iron particles, then treating it with a solution consisting of a strong mineral acid and water, the acid being of a concentration of not substantially greater than 10 per cent and being in an amount sufficient to take out substantially all of the free iron and iron compounds remaining in the wastes, then washing out the dissolved iron and freeing the wastes of excess water.

2,182,385
CLUTCH
Carl A. Neracher and Augustin J. Syrovy, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 26, 1936, Serial No. 97,868
13 Claims. (Cl. 192—105)



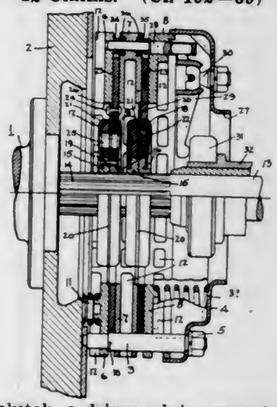
1. In a centrifugally operated clutch for drivingly connecting coaxial relatively rotatable driving and driven shafts, relatively rotatable pawl carrying and pawl engaging clutching structures, one being adapted for driving connection to said driving shaft and the other to said driven shaft, a pawl carried by said pawl carrying structure and having a clutching portion adapted to move in response to centrifugal force exerted thereon into positive clutching engagement with said pawl engaging structure in response to substantially synchronized rotation of said structures at or above a predetermined speed, said pawl engaging structure having a portion thereof adapted to clutchingly receive said pawl clutching portion to positively connect said structures, said pawl having a counterbalancing portion so disposed as to be acted on by centrifugal force in opposition to said centrifugal force acting on said pawl clutching portion, said counterbalancing portion having a laterally extending abutment formed with an aperture, a coil spring seated at one end thereof on said abutment, a second abutment for the other end of said coil spring carried by said pawl carrying structure, a pin fixed relatively to said second abutment and extending axially through said coil spring and through said aperture to slidably guide movement of said pawl, and shim means between said coil spring and one of said abutments for adjusting the force of said spring.

2,182,386
BRAKING MECHANISM
Herbert F. Patterson, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 11, 1936, Serial No. 110,197
13 Claims. (Cl. 188—77)



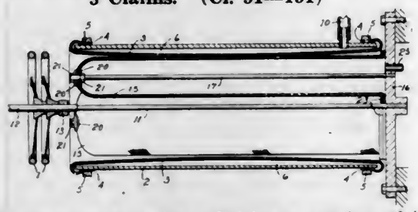
1. In a braking mechanism, a rotatable drum, a contractible band substantially surrounding said drum, a plurality of circumferentially spaced shoes separate from said band and lying therewithin for frictional contact with said drum, means for anchoring said shoes at locations intermediate their lengths, and means for contracting said band to bring said shoes into frictional engagement with said drum.

2,182,387
CLUTCH
Karl K. Probst, Detroit, Mich., assignor to Karl K. Probst and J. H. Shoemaker, trustees
Application July 2, 1937, Serial No. 151,705
12 Claims. (Cl. 192—69)



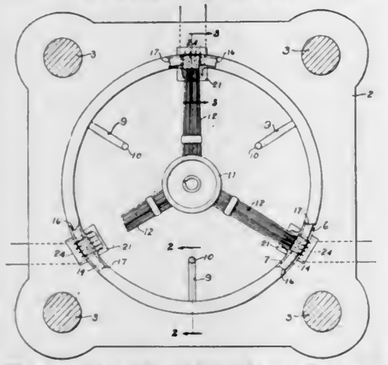
1. In a clutch, a driven plate comprising a hub, a disc carried by said hub and a friction facing ring attached to said disc, driving plates adapted to engage with said friction facing ring, the outer periphery of said disc terminating at the inner periphery of said driving plates, said hub including divided housing portions on each side of said disc, each of said housing portions comprising integral flange and hub portions, and a rubber mounting joining said disc to said housing portions.

2,182,388
APPARATUS FOR POLISHING THERMOPLASTIC ARTICLES
James S. Reid, Shaker Heights, Ohio, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application December 10, 1936, Serial No. 115,101
5 Claims. (Cl. 51—151)



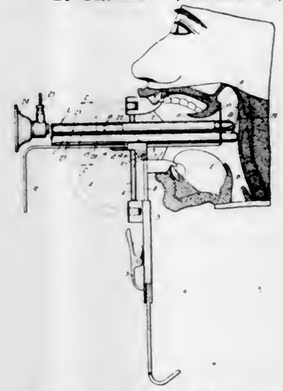
2. An apparatus for polishing a portion of the surface of an article comprising a cylindrical supporting member, a liner of fabric secured at its ends only to the ends of the supporting member and spaced radially inwardly from the inner wall of the member and having a flexible article engaging surface, means by which fluid can be introduced into and maintained under pressure within the space between the liner and the member for holding the liner with the flexible surface in yieldable uniform engagement with the entire peripheral surface of the article, and means by which relative movement of the liner and article can be effected.

2,182,389
METHOD AND MEANS FOR MOLDING THERMOPLASTIC ARTICLES
James S. Reid, Shaker Heights, Ohio, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application April 29, 1937, Serial No. 139,774
6 Claims. (Cl. 18—42)



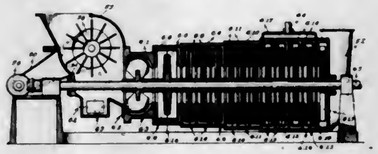
1. The method of molding thermal plastic material by injection comprising injecting the material in plastic condition and under pressure into one portion of a mold cavity, causing the material initially to flow in a number of streams in the cavity and subsequently to meet and unite in a predetermined zone in the cavity, and applying higher temperature to the wall of the cavity at said zone than at other regions of the cavity to render the leading edges of the streams relatively more plastic at said predetermined zone than in other portions of the cavity, and meanwhile continuing the injection pressure on the material.

2,182,390
SURGICAL DEVICE
William F. Reardon, West Hartford, Conn.
Application January 13, 1937, Serial No. 120,392
10 Claims. (Cl. 128—6)



3. In a surgical device, supporting means including a supporting element, a guide pivoted on said element, a slide carried by said guide having a laterally extending apertured organ positioning member on its front end and rearwardly located guiding means, and cooperating means having a portion adjustable in said guiding means and a front end portion projectible longitudinally through the laterally extending aperture in said positioning means.

2,182,391
PULP REFINER
Max Skoinik, Chicago, Ill., assignor to National Fibre Corporation, New York, N. Y., a corporation of New York
Application February 11, 1935, Serial No. 6,019
11 Claims. (Cl. 92—26)

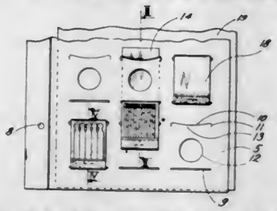


1. A pulp refining device comprising a shell having intake and discharge openings, a rotatable shaft extending axially in said shell, a disc-like wheel mounted on said shaft and within said shell, a plurality of radially curved blades on the surface on each side of said disc-like wheel, the blades on one side of said wheel being curved away from the direction of rotation thereof and the blades on the other side being curved toward the said direction of rotation, and a plurality of spaced fins on the inner surface of said shell projecting toward said wheel and extending in a direction transverse to the plane of rotation thereof.

2,182,392
HOLDING DEVICE
Harry W. Tucker, New York, N. Y.
Application April 18, 1936, Serial No. 75,203
1 Claim. (Cl. 206—79)

A match book displaying page of flexible sheet material having a slot and a slit therein arranged to receive a folded match book, the slot being of substantial width to receive the stapled portion of

a match book, and arranged to bear upon the interior of the match book at both sides of said staple, the slit defining a tab so spaced from the slot that the greatest distance between the slot and slit is greater than the internal dimension of a folded match book, while the distance



between the side edges of the tab and slot are less than said dimension, whereby when a folded match book is passed through said slot and slit and folded the tab will be bent toward the slot to cause pressure urging the match book into engagement with the page at the sides of the slot.

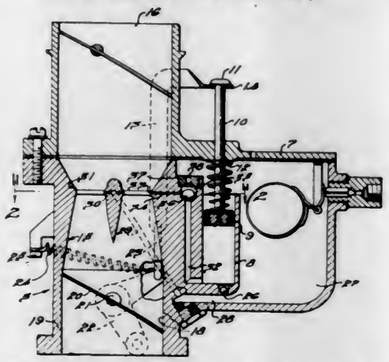
2,182,393

CARBURETOR

Frederick O. Ball and Thomas M. Ball, Detroit, Mich.; Cornelia M. Ball, executrix of Frederick O. Ball, deceased, assignors to Ball and Ball Carburetor Company, a co-partnership composed of Cornelia M. Ball and Thomas M. Ball

Application December 31, 1937, Serial No. 182,765

2 Claims. (Cl. 261—34)



1. In a carburetor including a fuel mixture passage having a throttle valve therein and including a resilient member for urging said throttle valve toward its closed position; a pick-up pump system including a fuel cylinder, a fuel displacing element in said cylinder; means including a spring adapted to be loaded by the throttle valve closing action of said resilient member for moving said element through its fuel displacing stroke during opening movement of said throttle valve; means for conducting fuel from said cylinder to said fuel mixture passage including a valve chamber having an air inlet thereto, a passage section leading from said cylinder to said chamber, and a passage section leading from said chamber to said fuel mixture passage; a reciprocable valve in said chamber between said air inlet and the outlet end of said first mentioned passage section having substantially close fitting sliding relationship with respect to the walls of said chamber and normally closing the outlet of the first mentioned passage section, said valve being operable to close said air inlet during fuel discharging operation of said fuel displacing element and said second mentioned passage section communicating with said chamber at a location between said air inlet and the close fitting portion of said valve and said chamber walls in order to apply on said valve a vacuum tending to unseat the valve.

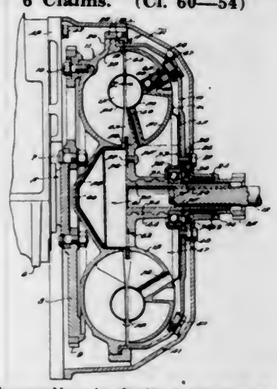
2,182,394

FLUID COUPLING

Roy T. Bucy, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application April 19, 1937, Serial No. 137,701

6 Claims. (Cl. 60—54)



1. A fluid coupling including driving and driven members, a runner rotor structure secured to said driven member, an impeller rotor structure secured to said driving member having a housing portion substantially enveloping said runner rotor structure, and provided with a fluid medium filling opening, a closure for said opening, and an adjustable member carried by said runner rotor structure and accessible through said opening from the exterior of said housing portion for balancing said runner rotor structure.

6. In a fluid coupling, runner and impeller structures each including a wall bounding a fluid working chamber, means carried by one of said structures for providing a fluid expansion chamber, said last mentioned structure having means including openings in the wall thereof for accommodating the flow of the fluid operating medium between said chambers, one of said openings being located a greater radial distance from the axis of said coupling than the other of said openings.

2,182,395

POWER TRANSMITTING DEVICE

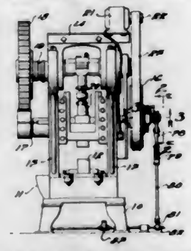
Francis N. Cooley and Russell J. Harter, Newcastle, Ind., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application April 19, 1937, Serial No. 137,673

11 Claims. (Cl. 192—61)

9. In a press having a reciprocating plunger and a driving shaft operably connected therewith, a rotatable drum mounted on said shaft and adapted for driving engagement therewith, said drum including a pair of members cooperating to form fluid chambers interiorly of said drum, said members having aligned openings for receiving an end portion of said shaft, closure means for the opening in one of said members comprising a cover plate detachably secured to a side face of said last mentioned member, an auxiliary shaft carried by said cover plate and

extending axially from said drum oppositely from said driving shaft, a gear mounted to rotate with said driving shaft and disposed interiorly of said drum, a plurality of planetary pinions carried by said drum and meshing with said gear, means in said drum defining a path for fluid medium propelled by relative rotation of said gear and pinions, rotary valves for controlling



the flow of fluid in said path, each of said valves having a stem portion extending axially from said drum and in radially spaced relation to said auxiliary shaft, arms secured to a respective valve stem and extending toward said auxiliary shaft, and means carried by said auxiliary shaft and engageable with said arms for operating said valves.

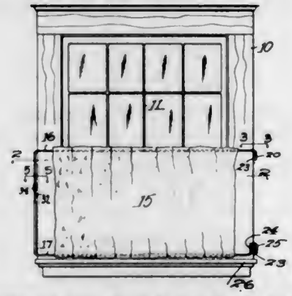
2,182,396

INSIDE CURTAIN AND SUPPORT

Ernest G. Copp, Worcester, Mass.

Application May 27, 1937, Serial No. 145,084

2 Claims. (Cl. 156—10)



2. In association with a window having an inside casing and an inside part-length fabric curtain, that improvement which comprises a substantially U-shaped rigid supporting frame structure to which both the top and bottom edges of said curtain may be secured, said U-shaped frame structure comprising upper and lower horizontal supporting rods having associated and cooperating vertically-disposed telescoping outer swinging end portions and having means to hold said telescoping end portions rigidly in vertically adjusted relation, the inner ends of said rods being bent to provide vertical bearing portions, a pair of vertically-spaced single one-piece links each pivotally supporting one of said bearing portions at one end of said link, spaced brackets mounted on one side of said casing and having vertical bearing portions on which the other ends of said links are pivotally mounted, and means to secure said supporting frame structure to the opposite side of said casing, each of said links being vertically offset between its pivoted end parts to elevate the pivotal connection thereof to its bearing bracket substantially above the pivotal connection thereof to its associated supporting rod.

2,182,397

MANUFACTURE OF ETHER DERIVATIVES OF POLYHYDRIC ALCOHOLS

Eddy W. Eckey, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application July 9, 1937, Serial No. 152,811

16 Claims. (Cl. 260—411)

1. In a process for forming ether derivatives of polyhydric alcohols, the steps of boiling a mixture of an ester consisting of a polyhydric alcohol partially esterified with a carboxylic acid, a water carrier having a lower boiling point than the aforementioned mixture of ingredients and immiscible with water, and a catalyst selected from the group consisting of sulfuric acid and the sulfonic acids, and distilling off from said boiling mixture the water formed by the reaction.

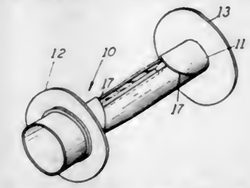
2,182,398

FILM SPOOL

Frank J. Gantnier, Binghamton, N. Y., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

Application November 18, 1937, Serial No. 175,300

2 Claims. (Cl. 242—74)



1. In a film spool for use with a roll of film having a narrowed end portion, in combination a pair of end flanges, a central portion, said central portion having a slot therethrough to receive and secure the end of said film, said central portion having a tapered groove therein of a depth tapering from the thickness of the film to zero and having a width conforming to the shape of said end portion to accommodate the narrowed end portion of said film and hence provide a substantially level surface upon which to wind the relatively wide portion of said film.

2,182,399

ADHESIVE

Walter P. Hilbourn, Lansing, Mich.

No Drawing. Application December 24, 1937, Serial No. 181,612

3 Claims. (Cl. 134—23.1)

3. An adhesive of the character described composed of a mixture of approximately 57% acetic acid, 32% white flake glue, 5% Venice turpentine and 5% glycerine.

2,182,400

METHOD OF MOLDING PLASTIC MATERIAL

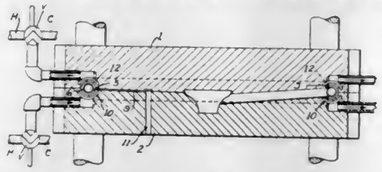
Harry R. Husted, St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio

Application February 26, 1937, Serial No. 127,970

6 Claims. (Cl. 18—55)

1. In the injection molding of articles of thermoplastic material wherein material injected into the mold is caused to flow in different directions and subsequently to approach and unite,

the method of controlling the location of the weld produced between the relatively approaching portions of the material, which comprises maintaining said relatively approaching portions at different temperatures within the mold cavity



to provide different rates of flow thereof and controlling said temperatures for controlling the meeting location of the portions whereby the approximate location of the weld is predetermined.

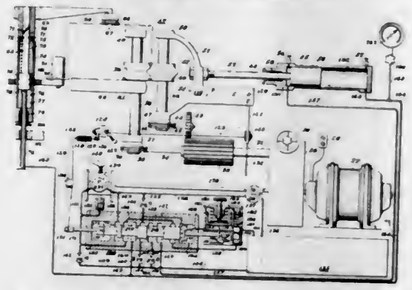
2,182,401

FLUID ACTUATED ROLLED FORMING MACHINE

Joseph D. Kreis and Elsmere W. McKinney, Cleveland, Ohio, assignors to The McKinney Tool and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application April 13, 1936, Serial No. 74,150

15 Claims. (Cl. 153—9)



1. A machine for forming the shape of an article, said machine comprising, in combination, a pair of mating rotatable tooling members for engaging and shaping said article, one of said tooling members being adapted to be reciprocated relative to the other said tooling member, supporting means for supporting said tooling members, hydraulic means for reciprocating said one of said tooling members toward and away from the other said tooling member, driving means for rotating said tooling members, fluid control means for regulating said hydraulic means, and connecting means connecting said fluid control means and said one of said tooling members for operating the fluid controlled means in accordance with the operating position of said one of said tooling members.

12. A machine for forming the shape of an article, said machine comprising, in combination, a pair of mating tooling members for engaging and shaping said article, supporting members for supporting said tooling members, one of said supporting members being adapted to be reciprocated relative to the other said supporting member so that one of said tooling members is moved into different spaced relationship with respect to the other said tooling member, hydraulic means for reciprocating said one of said supporting members, a feed trip cam member mounted on said reciprocating supporting member, a guide member adapted to ride said cam member and to register the change in position of said cam member, a fluid control valve for controlling said hydraulic means, and connecting means between said ride member and the fluid control valve so that the hydraulic means is controlled by the movement of the feed trip cam member.

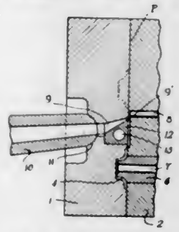
2,182,402

GATE FOR DIE CASTING

Nathan Lester, Cleveland Heights, Ohio, assignor to The Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application April 7, 1937, Serial No. 135,522

1 Claim. (Cl. 22—155)



In a casting die, the combination of separable die blocks forming a die cavity, a gate through one of said blocks leading to said cavity, and an insert having an outer wall constructed and arranged to lie flush with and extend across the parting line face of said one of said blocks, and having an inner wall arranged to form a horizontally inclined bottom wall of said gate, said insert being hollow for the reception of a heating element.

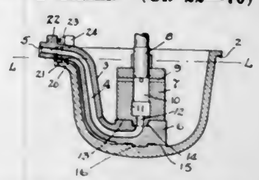
2,182,403

MELTING POT

Nathan Lester, Cleveland Heights, Ohio, assignor to The Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application April 7, 1937, Serial No. 135,523

1 Claim. (Cl. 22—70)



In a melting pot the combination of a vertical pressure cylinder and a pressure delivery conduit, both separable from each other and from said melting pot, said conduit being entirely supported at its feed end by the bottom of said melting pot and having its discharge end directly supported by the rim of said melting pot, said cylinder being entirely supported and superimposed upon said feed end of said conduit, interfitting projections and recesses on said cylinder, on said feed end of said conduit and on said melting pot respectively, for locating and aligning them in assembled position, said recesses and projections being in alignment with each other and located centrally of said cylinder, of said feed end of said conduit, and of the bottom of said melting pot, and means for clamping said cylinder and said conduit to said melting pot in such position, the entire cross sectional area of said cylinder and said feed end of said conduit being substantially the same.

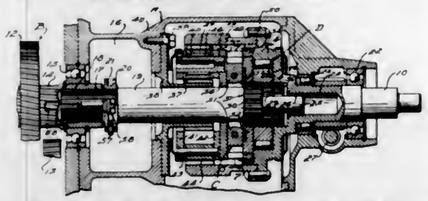
2,182,404

DRIVING MECHANISM AND CLUTCH THEREFOR

Edwin R. Maurer, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application February 26, 1934, Serial No. 712,939

27 Claims. (Cl. 192—105)



1. In a clutch for drivingly connecting driving and driven members, a pawl carrying structure adapted for driving connection to one of said members, a pawl receiving structure adapted for driving connection to the other of said members, a pawl carried by said pawl carrying structure and adapted for movement in response to centrifugal force acting thereon for clutching engagement with said pawl receiving structure to provide a positive driving connection between said members, means acting to yieldingly urge said pawl toward a disengaged position, and releasable means acting on said pawl to restrain clutching movement thereof at a rotational speed of said pawl carrying structure otherwise sufficient to cause clutching movement of said pawl, said restraining means being released in response to centrifugal force acting on said pawl whereby said pawl moves only partially toward its clutching position, said pawl being adapted for movement to its clutching position in response to change in rotational speed of said pawl carrying structure.

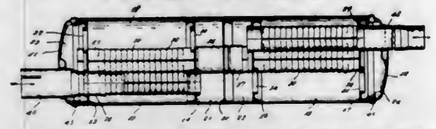
2,182,405

MUFFLER

Quintin G. Noblitt and Edmund Ludlow, Columbus, Ind., assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application November 5, 1938, Serial No. 238,983

7 Claims. (Cl. 181—54)



1. In a muffler, a shell having end heads, transverse partitions providing within said shell two axially spaced expansion chambers and also a transverse gas passage at each end of each of said expansion chambers, a silencing tube extending axially through each of said expansion chambers, a nipple communicating with the outer end of each of said silencing tubes and extending through the adjacent head, the inner end of each of said silencing tubes communicating with the transverse passage at the inner end of the associated expansion chamber, a second silencing tube extending axially through each expansion chamber and having its outer end communicating with the transverse passage at the outer end of the associated expansion chamber, each of said silencing tubes having within its associated expansion chamber a multiplicity of restricted openings, the partitions defining the ends of said expansion chambers being provided with openings affording communication between the chamber and the adjacent transverse passages, and a conduit interconnecting the inner ends of said second silencing tubes.

2,182,406

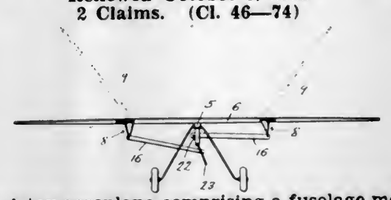
TOY AIRCRAFT

Stanton C. Ogsbury, Boise, and Charles Barron, Fairfield, Idaho, and Irl R. Park, Seattle, Wash.

Application April 27, 1938, Serial No. 204,688

Renewed October 6, 1939

2 Claims. (Cl. 46—74)



1. A toy aeroplane comprising a fuselage member, a wing structure, said wing structure including a central section and flappable end sections, said central section including a reinforcing member, a drive shaft including cranks therein, pitmans extending from the cranks and connectors between the pitmans and the flappable sections, said connectors consisting of a substantially triangular shaped wire member having one portion rotatably mounted on the corresponding end of the reinforcing member, said triangular shaped member being divided at the intermediate portion of one side portion and having its end portions disposed laterally in substantially parallel relation to span a portion of the corresponding flappable section, the corresponding pitman being connected to the outstanding apex portion of the triangular shaped wire member.

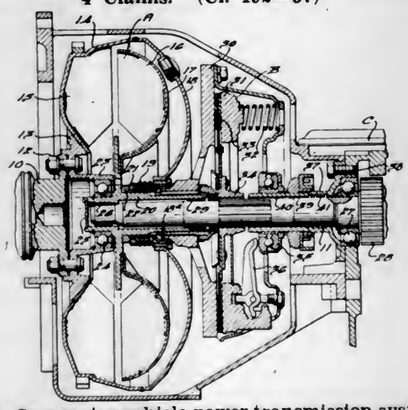
2,182,407

MOTOR VEHICLE POWER TRANSMISSION

Arthur J. Phelan, Detroit, and Hubert S. Phelan, Berkley, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application May 17, 1939, Serial No. 274,240

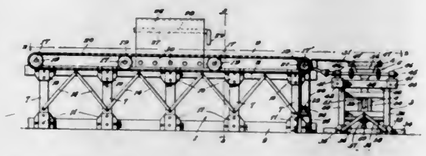
4 Claims. (Cl. 192—57)



1. In a motor vehicle power transmission system having a driving shaft and a change speed transmission having an input shaft, a hydraulic coupling of the kinetic type having an impeller structure drivingly connected to the driving shaft and

a runner structure, said runner structure having a hollow hub, a bearing of the anti-friction ball type carried by the driving shaft and journalling the forward end of said hub, a second bearing journalling the forward end of the input shaft within the forward end of said hub, a third bearing of the anti-friction ball type carried by said change speed transmission and journalling the rear end of the input shaft, a clutch disposed at the rear of said hydraulic coupling, said clutch comprising a driving clutch member drivingly mounted on the rear end of said hub and a driven clutch member drivingly mounted on the input shaft at a point between said second and third bearings, and a fourth bearing journalling the rear end of said hub on said input shaft, said second and fourth bearings maintaining said runner structure and said driving clutch member centered on said input shaft, said first and third bearings providing the entire support for said input shaft and said hollow hub and being so constructed and arranged as to accommodate universal tilting of said input shaft together with said runner structure and said clutch as a unit to compensate for minor misalignment between the driving shaft and transmission.

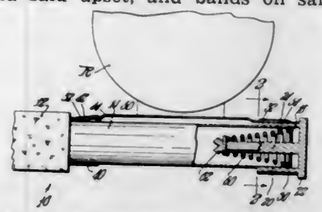
2,182,408
MACHINE FOR INSPECTING, BOXING, AND WEIGHING METAL SHEETS
Floyd O. Phillips and George T. Evans, Amwell Township, Washington County, Pa., assignors of one-eighth to George L. Lenk, Washington, Pa.
Application April 11, 1939, Serial No. 267,330
9 Claims. (Cl. 249—2)



1. A machine of the character described, comprising a main frame, a conveyor for transporting material longitudinally of the frame, an auxiliary frame extending transversely of the main frame adjacent the discharge end of the main frame, a conveyor carried by said auxiliary frame including endless chains spaced from each other transversely of the auxiliary frame, and a scale in the auxiliary frame including a vertically movable beam disposed between the conveyor chains, and a platform at the upper end of said beam movable vertically with the beam from a position supporting a container above the conveyor chains to a lowered position between the chains for disposing a filled container upon the conveyor chains upon a predetermined weight placed in said container.

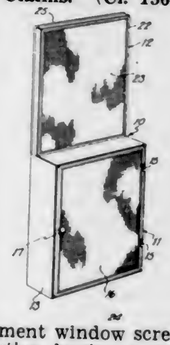
2,182,409
REEL SEAT
Kenneth D. Richards, Winchendon, Mass.
Application March 11, 1939, Serial No. 261,296
5 Claims. (Cl. 43—22)

1. The combination with a fishing rod having a tubular handle member of means for attaching a reel thereto comprising, a lock member slidable on the end portion of the tubular member, a stem extending from said lock member inwardly into the tubular member, an abutment on the end of the tubular member, an upset on said stem, a compression spring interposed between said abutment and said upset, and bands on said lock



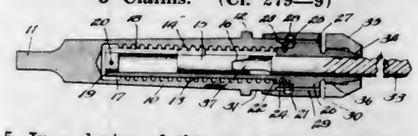
member and the tubular member for engaging opposite ends of the base of the reel.

2,182,410
CASEMENT WINDOW SCREEN
Jay Rose, Brooklyn, N. Y., assignor, by mesne assignments, to Wardmore Corporation, a corporation of New York
Application October 23, 1934, Serial No. 749,508
3 Claims. (Cl. 156—14)



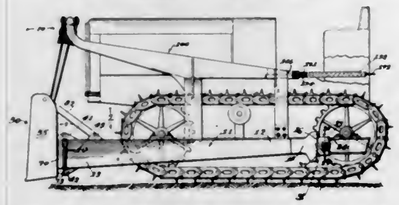
1. In a casement window screen, a lower box-like screen section having a door in the front thereof, and an upper screen section resting upon the top of the lower screen section and stepped back from the front thereof and flush with the rear thereof, and fastening means removably securing the meeting sides of said screen sections together, said means preventing inward collapsing of the sections.

2,182,411
TOOL HOLDER
Benjamin F. Rosenberg and James A. Scully, Chicago, Ill., assignors to Scully-Jones & Company, Chicago, Ill., a corporation of Illinois
Application June 11, 1938, Serial No. 213,176
5 Claims. (Cl. 279—9)



5. In a device of the character set forth, the combination of a cylindrical socket, a tool receiving and holding member slidably and rotatably mounted in the socket, means for holding a tool in said member for driving the same, adjustable means coacting with the socket and said member for turning said member when in one position and for locking the member to the socket when in another position whereby said member may be driven by the socket, a tool adjusting member slidably and non-rotatably mounted in the tool supporting member, and means for operatively connecting the tool adjusting member with the socket whereby said member will be adjusted longitudinally when the tool holding member is turned with respect to the socket and will be held in adjusted position when said member is fixed to the socket.

2,182,412
BULLDOZER
James Samuel Stewart, Long Beach, Calif., assignor to Wayne D. Crook
Application April 28, 1937, Serial No. 139,500
8 Claims. (Cl. 37—144)

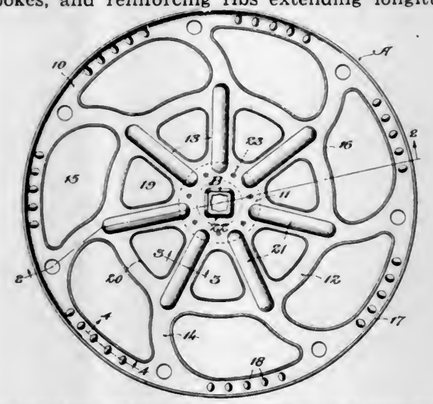


1. In a bulldozer, the combination of a pair of thrust arms having a bulldozer bowl connected between the forward ends of said arms, the rear end of each arm being provided with an abutment piece, a trunnion assembly having a hub, means to attach the hub to the frame of a tractor, the hub having a terminal socket mounted for rotation on the axis of the hub and means to adjust the abutment piece vertically as to the terminal socket to thereby change the position of the thrust arms in reference to the axis of rotation of said arms and hence to the frame of the tractor, the means to adjust the abutment piece comprising interengaging teeth between the abutment piece and the terminal socket and bolts clamping the abutment piece to the terminal socket, the said teeth being arranged substantially vertical.

2. In a bulldozer the combination of a pair of cantilever beams, each beam having a thrust supporting post, said post having a portion thereof offset to one side of the place of connection to the beam and having a lower or foot portion located substantially under the center of the beam, the foot being adapted for attachment to the frame of an endless track of a tractor whereby the longitudinal center of the beam at substantially the point of connection to the thrust support is in substantially vertical alignment with the center line of the endless track of the tractor, each of the said beams having a straight vertical plane therethrough from end to end and one of said beams being constructed and adapted for a straight section of a bowl lifting cable to lie in the vertical plane of such beam.

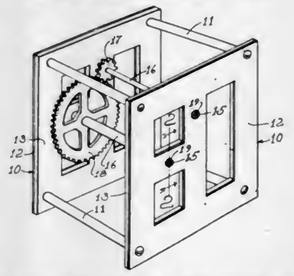
2,182,413
HANDWHEEL
Frederick J. Stolpe, Chicago, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware
Application August 18, 1937, Serial No. 159,753
1 Claim. (Cl. 74—552)

A handwheel comprising a wheel proper of pressed sheet metal including a central disk-like portion, a rim, a ring-like portion between said central disk-like portion and said rim, straight radial spokes connecting said disk-like and ring-like portions, other spokes of substantially spiral form connecting said rim and said ring-like portion, the marginal parts of said rim and spokes and of said ring-like and disk-like portions being laterally flanged, the inner ends of said spiral spokes being alined with said straight radial spokes, and reinforcing ribs extending longitu-



dinally along said straight radial spokes into said central disk-like portion and into said ring-like portion, said reinforcing ribs being pressed from said spokes and from said disk-like and ring-like portions in the same direction as said marginal flanges.

2,182,414
BEARING MEMBER
John C. Tarbell, Springfield, Mass., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 14, 1938, Serial No. 207,882
6 Claims. (Cl. 308—121)

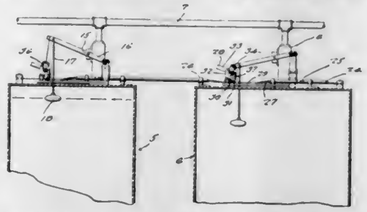


1. In a device including a frame part and an element adapted for movement relative thereto, said frame part comprising spaced walls each including a combined body structural and anti-friction bearing member comprising a sheet-like section of porous metal constituting the major stress sustaining structural portion of said device and having a bearing surface integral therewith for contacting with said movable element, said member having a self-contained lubricant content adapted to be supplied to said surface through the pores of said member.

2,182,415
DEVICE FOR FILLING FLUID TANKS
Thelma T. Thigpen, Salem, Ill., assignor of forty per cent to J. M. Plummer, Salem, Ill.
Application May 20, 1939, Serial No. 274,814
6 Claims. (Cl. 137—68)

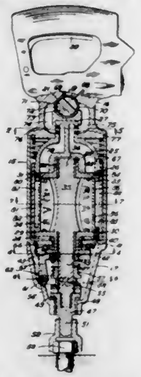
1. In a device of the character set forth including a plurality of fluid receiving tanks and a fluid

supply line, valves connecting said tanks to the supply line, floats in said tanks, means connecting said floats to the valves for opening said valves under the weight of said floats when the tanks are empty of fluid and for closing said valves on the tanks becoming filled with fluid,



latch means coacting with said first means for locking the valves closed, and means for releasing said latch means of one valve to permit opening of the latter by another valve moving into closed position whereby one tank after another may be filled with fluid from said supply line and closed to the latter after being filled.

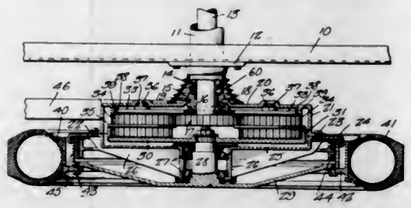
2,182,416
ROTARY TOOL
Paul Van Sittert, Cleveland Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application August 11, 1937, Serial No. 158,493
7 Claims. (Cl. 192—30.5)



2. In a tool of the character described, a fluid motor including a rotor, a housing for said rotor capable of limited rotation relative thereto, supporting means for said housing enabling said relative rotation, said housing having motive fluid admitted therein normally driving said rotor and effecting said limited rotation under certain conditions of operation, a work engaging member, rotation transmitting clutch means between said rotor and member capable of release to enable relative rotation therebetween, and means operatively associated with said clutch means deriving motion from said limited rotation for effecting said release.

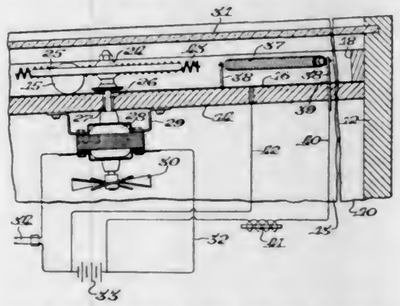
2,182,417
FLEXIBLE WHEEL DRIVING MEANS
William Harlan Waller, Grand Prairie, Tex.
Application July 15, 1938, Serial No. 219,471
5 Claims. (Cl. 180—71)

1. Flexible wheel driving means for automobiles and the like, including in combination with a chassis frame, an inner wheel support resiliently mounted on the chassis frame for relative up and down movement, said wheel support having a gear casing at its inner side and a hub extension at its outer side, an outer wheel support having an axial stub shaft at its inner side journaled in the hub portion of said inner wheel support and extending into said gear casing, a gear on said stub shaft, a driving axle mounted directly on said chassis frame, the end portion of said



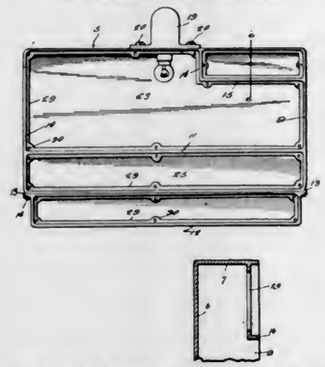
driving axle being extended from the chassis frame and into the gear casing of said inner wheel support through an elongated slot provided therefor in the end wall of said casing, a gear on said driving axle in opposed relation to said gear on the stub shaft of the outer wheel support, and a transmission gear interposed between said two other mentioned gears in constant meshing relation therewith, said transmission gear being movably supported with relation to said other two gears.

2,182,418
BALL ROLLING GAME
Harry E. Williams, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application August 24, 1937, Serial No. 160,657
2 Claims. (Cl. 273—118)



1. In a ball rolling game having a board inclined slightly from the horizontal, said board being of non-conductor material, a sheet of conductor material substantially covering the board and providing a surface over which a ball of conductor material may be rolled, a conductor support pin disposed over and out of metallic connection with the sheet, a second conductor support pin carried by the table and out of metallic contact with the sheet, said two support pins being spaced apart a substantial distance, an elongated coil spring conductor element having its ends respectively metallically connected to said two conductor support pins, said spring element being disposed above and clear of the ball rolling surface in substantial parallelism thereto, and an electrical circuit including the sheet, support pins and spring element, which circuit is normally open but closable when the conductor ball on the sheet contacts the spring element.

2,182,419
MEANS FOR SUPPORTING AND ILLUMINATING LICENSE TAGS AND ADVERTISING PLATES
Stephen Zomzely, Brooklyn, N. Y.
Application May 6, 1938, Serial No. 206,469
1 Claim. (Cl. 40—133)



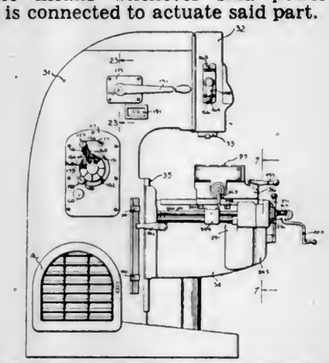
A license plate holder comprising a casing open at its front and having an inwardly extending flange slightly spaced from said front for forming a shoulder for receiving a license plate and a small frame in an upper corner of the casing, said frame including a bar paralleling a part of the top of the casing and spaced below the same and having one end connected with an end of the casing and a vertical bar extending upwardly from the other end of the first-mentioned bar and connecting with a portion of the top of the casing, the two bars being located in the front of the casing and each bar having an inwardly extending flange extending into the space formed by the said frame, for forming a shoulder for a small plate located in the frame, the license plate having a recess in an upper corner thereof for receiving the frame and a single lamp in the casing for illuminating the license plate and the small plate in the frame.

2,182,420
METHOD OF MAKING TITANIUM DIOXIDE
Benjamin Wilson Allan and L'Roche G. Bousquet, Baltimore, Md., assignors to American Zirconium Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application February 11, 1935, Serial No. 6,130
7 Claims. (Cl. 23—202)

1. The method of making titanium dioxide which comprises digesting ilmenite with sulfuric acid, treating the reaction mass to obtain a clarified solution containing more than 100 grams per liter of TiO_2 and a factor of acidity above 70%, and containing all the sulfate derived from the ilmenite, adjusting the factor of acidity to from 20% to 70% by adding a substantial amount of a basic compound which forms a soluble sulfate, then hydrolyzing the so-prepared hydrolysis solution, washing and calcining the precipitate.

2,182,421
MILLING MACHINE
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application June 20, 1936, Serial No. 86,382
38 Claims. (Cl. 90—21)

6. In a machine tool, the combination with a power driven member for actuating a movable part of the machine, of manually operable means connectable for actuating said movable part, and control means for operatively connecting said power driven means to said movable part to actuate it by power, said control means including an interlocking device disposed to prevent engagement of said power driven member for power operation of said movable part when said manually operable means is connected to actuate said part, and a locking element actuated by said interlocking device and effective to positively prevent movement of said manually operable means whenever said power driven means is connected to actuate said part.



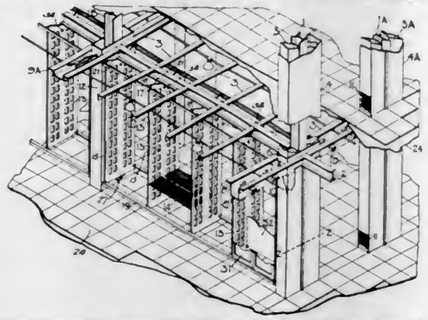
8. In a machine tool having relatively movable parts, a rotatable shaft operatively connected to effect relative movement of said parts, power actuated means disposed to be connected to said shaft for power operation of said movable parts, a pivotally mounted lever operative to selectively connect said power means to said shaft, a hand wheel mounted on said shaft and connectable therewith for manual movement of said machine tool parts, and a latch associated with said lever and operative to positively lock said hand wheel in stationary position whenever said power means is connected to said shaft.

26. In a milling machine having a column, the combination with a power driven element mounted in said column, of a work supporting structure including superimposed members mounted on said column in manner to support a workpiece for movement relative to said column along three angularly disposed paths, an independent work moving train for moving said work supporting structure along each of said paths said trains being selectively operative to effect movement in either direction, a common driving element carried by said work supporting structure and connected to drive said work moving trains, a continuously operating transmission means disposed to transmit power directly from said power driven element in said column to said work supporting structure and selectively connectable to actuate said common driving element, a rate changing mechanism carried by said work supporting structure and selectively connectable to drive said common driving element, and an intermittently operating transmission means disposed to transmit power from said power driven element in said column to said rate changing mechanism to actuate said common driving element at a selected rate.

2,182,422
LIBRARY BOOKSTACK
William C. Bond, Washington, D. C.
Application September 30, 1933, Serial No. 691,717
16 Claims. (Cl. 98—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

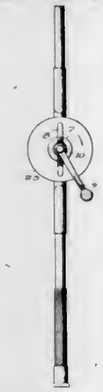
1. A bookstack including spaced vertical sup-

porting beams, horizontal beams connecting the vertical beams, casings enclosing the vertical beams and forming columns, book-shelves supported by the horizontal beams between aligned



columns, air ducts positioned in said casings, and louvered branch ducts connecting spaced columns, each of said branch ducts being in fluid communication with at least one of said air ducts.

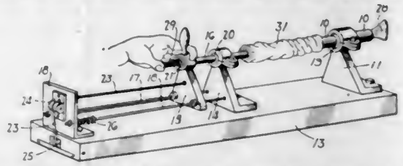
2,182,423
SALT WATER ROD AND REEL
Alexander A. Cabassa, Lakeland, Fla.
Application June 11, 1938, Serial No. 213,172
1 Claim. (Cl. 43—20)



The combination of a fishing rod having an offset recessed portion adjacent one end thereof, a shaft carried by said offset portion, a sleeve journalled on said shaft, a reel spool freely rotatable on said sleeve, flanges on said sleeve for engaging said spool, means on said sleeve for adjusting the position of said flanges with respect to said spool for governing the rotation of the spool on the sleeve, means on said sleeve for rotating the sleeve and spool in a clockwise direction, ratchet teeth on one of the flanges of the sleeve, a pawl mounted on the rod for engaging the teeth of the flange for preventing the flange and sleeve from rotating in a counterclockwise direction, and means for locking the sleeve on the shaft against longitudinal movement.

2,182,424
BELT REVERSING DEVICE
William Chercass, Palmerton, Pa.
Application June 11, 1938, Serial No. 213,233
4 Claims. (Cl. 223—40)

1. An apparatus for turning tubular garments closed at one end, such as belts, neckties and the like, comprising a tubular stationary member open at both ends for supporting the garment, a tubular, reciprocable member adapted to

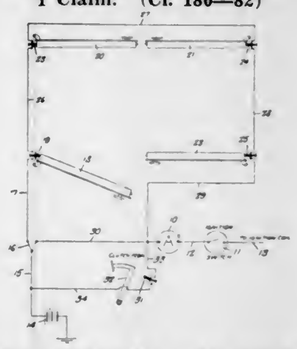


pass through said tubular member, and expansible, projectible means within said tubular, reciprocable member for spreading the closed end of the garment after having been pushed through said tubular, stationary member.

2,182,425
GLUE AND PROCESS OF MANUFACTURE THEREFOR
Charles N. Cone, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
No Drawing. Application April 27, 1936, Serial No. 76,605
7 Claims. (Cl. 134—23.1)

6. A water resistant glue for gluing wood, consisting of animal glue, water at room temperature, and sodium silicate, the proportion of water to animal glue being from four to eight parts of water for each one part of animal glue, the sodium silicate being in sufficient proportion to maintain adhesive properties of the glue when viscous at room temperature suitable for gluing wood veneers and capable of forming a water resistant bond.

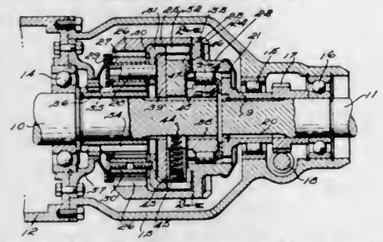
2,182,426
DOOR CONTROLLED IGNITION SYSTEM
Richard J. Courcier, Sr., New Orleans, La.
Application June 26, 1939, Serial No. 281,257
1 Claim. (Cl. 180—82)



An ignition system for motor vehicles having doors, comprising an ammeter, an ignition switch, a wire connecting the switch with one side of the ammeter, a source of electricity, a double throw switch, a wire connected to the source of electricity and to the double throw switch, a wire connected to one contact of the double throw switch and conducted to one of the doors of the vehicle, a push button switch connected to the last named wire and disposed at said door in position to be opened when the door is opened, respective door controlled push button switches for the other doors of the vehicle, respective wires

connecting all of the door controlled switches in series with each other, a wire connected to the last one of the push button switches and connected to the other contact of the double throw switch and to the other side of the ammeter, and a clutch pedal controlled push button switch connected to the last named side of the ammeter and to the second named conductor wire, the arrangement being such that the ignition circuit is opened by the push button of a respective door when that door is opened, closing of the clutch pedal controlled push button switch connecting the source of electricity direct to the ammeter to permit the motor to keep on running when one of the doors is opened.

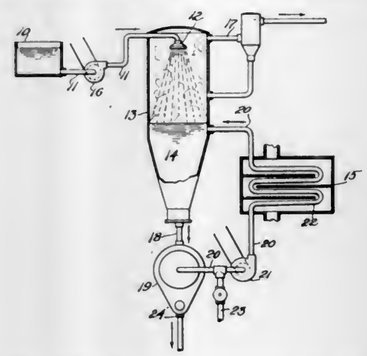
2,182,427
POWER TRANSMISSION
William T. Dunn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 15, 1935, Serial No. 31,320
5 Claims. (Cl. 74—260)



1. In a drive for a motor vehicle having a power driving shaft and a shaft driven therefrom and adapted to drive the vehicle, a centrifugally operated clutching element, means providing a continuous driving connection between said clutching element and said driving shaft, a sun gear adapted to be held against rotation, a planetary gear meshing with said sun gear and having a carrier, said carrier having a cylindrical portion provided with a slot, an internal gear meshing with said planetary gear and having a cylindrical portion drivingly connected to said driven shaft, said cylindrical portion of said internal gear having a slot, said clutching element having end portions thereof located aproximately on diametrically opposite sides of said driving shaft, a spring yieldingly urging said clutching element to engage one of said end portions thereof in said last named slot, said clutching element being adapted for movement in response to centrifugal force acting thereon to disengage the last said end portion from the last said slot and to engage the other of said end portions in the slot of said cylindrical carrier portion when the speeds of said clutching element and carrier are substantially synchronized.

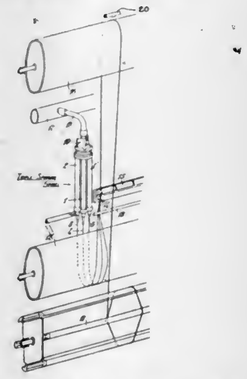
2,182,428
METHOD OF RECOVERING THE SOLIDS FROM PULP MILL WASTE LIQUORS
Erling Fladmark, Lawrence, Mass.
Application November 11, 1935, Serial No. 49,248
1 Claim. (Cl. 159—48)

The method of recovering the solids from pulp mill waste liquors which consists in continuously spraying the liquor against the surface of a body of heated liquid heat transfer medium within an evaporator at such a rate of flow that the water of said waste liquor is evaporated upon contact with said surface before the waste liquor and liquid heat transfer medium can mix while the solid residue of said waste liquor is being con-



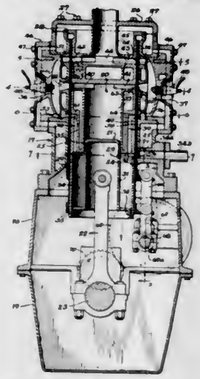
tinuously absorbed in dry condition by the liquid heat transfer medium and continuously removed from the evaporator with the latter.

2,182,429
PROCESS AND APPARATUS FOR SPINNING ARTIFICIAL SILK FROM CUPRAMMONIUM CELLULOSE SOLUTIONS
Kurt Frowein, Wuppertal-Elberfeld, and Gotthard Bauriedel, Wuppertal-Barmen, Germany, and Viktor Elsaesser, Gozzano, Italy, assignors, by mesne assignments, to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1937, Serial No. 134,436
In Germany April 4, 1936
8 Claims. (Cl. 18—8)



4. An artificial silk stretch spinning apparatus for producing threads, comprising a precipitating apparatus, a plurality of spinnerettes arranged to provide a plurality of individual threads arranged in separate groups, a plurality of funnels, each of which is disposed to receive one of said groups of filaments, means to guide said groups of filaments separately from said funnels in a path whereby precipitating liquid is separated from said groups of threads, a thread uniting means to receive said threads from said guiding device and cause said separate groups of thread to form a composite thread, and means to acidify said thread after passage through said thread uniting means.

2,182,430
EXTERNAL COMBUSTION ENGINE
Harvey M. Gersman, New York, N. Y.
Application May 24, 1935, Serial No. 23,270
4 Claims. (Cl. 60—44)

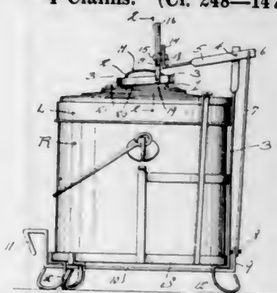


1. In an engine of the character described, the combination with a cylinder having an expansion chamber, a compression chamber and a piston which is connected to the crank shaft of the engine and which is movable in both of said chambers, of at least two combustion chambers which communicate with said expansion chamber, said piston being operative during successive movements in one direction to draw charges of motive fluid into said compression chamber and being operative during successive movements in the opposite direction to compress said charges, valve means for directing said charges of motive fluid alternately to said combustion chambers during compression strokes of said piston and means for igniting the charges of motive fluid in said combustion chambers, said valve means cutting off communication between said combustion and expansion chambers during combustion of said charges of motive fluid, whereby to effect combustion of said motive fluid in said chambers at substantially constant volume and being operative to admit the gas generated in one of said combustion chambers to said expansion chamber as said piston starts a working stroke and to admit the gases generated in the other of said combustion chambers to said expansion chamber as said piston starts a succeeding working stroke, said piston being operative to exhaust said expansion chamber through one of said combustion chambers during each compression stroke, said valve means being adjusted to admit a compressed charge of motive fluid to the combustion chamber which is being exhausted as the piston approaches the limit of a compressing and exhausting stroke.

2,182,431
DEHYDROGENATION OF ORGANIC COMPOUNDS
Herbert P. A. Groll, Berkeley, and James Burgin, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 15, 1935, Serial No. 31,450
4 Claims. (Cl. 260—683)

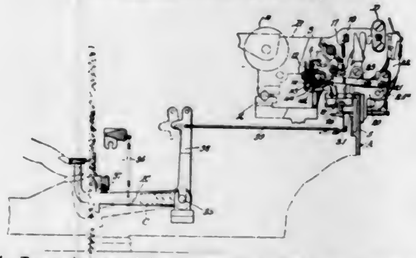
4. A process for the catalytic dehydrogenation of a hydrocarbon predominantly to an unsaturated hydrocarbon containing fewer hydrogen atoms but the same number of carbon atoms to the molecule which comprises contacting the substantially anhydrous vapors of a dehydrogenatable hydrocarbon containing at least two carbon atoms with a catalyst essentially consisting of an "activated alumina", prepared by calcining, at a temperature of from 300° C. to 800° C., an aluminum hydroxide which was slowly precipitated from its aqueous alkaline solution at a temperature in the practical operating range of 500° C. to 650° C., whereby rupture of carbon-to-carbon bonds is substantially obviated and the treated hydrocarbon is predominantly dehydrogenated to an unsaturated hydrocarbon containing the same number of carbon atoms.

2,182,432
OPERATING MEANS FOR RECEPTACLE CLOSURES
Charles F. Hamel, New York, N. Y.
Application February 12, 1938, Serial No. 190,333
4 Claims. (Cl. 248—147)



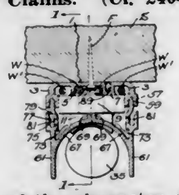
1. Means for raising a flanged slip-on lid into open position comprising an elongated arm extending inwardly of the lid, means for pivotally supporting said arm for swinging movement in a vertical direction, an upstanding element carried by the central portion of the lid including end legs and an intermediate portion of a width in excess of the width of the legs, levers pivotally carried by the arm, bars operatively carried by the levers for placement at opposite sides of the element, said bars being so constructed and arranged to contact with only one of the legs of the element and to engage the intermediate portion of the element after the arm has been swung upwardly a predetermined distance.

2,182,433
TYPEWRITING MACHINE
Henry Joseph Hart, West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application July 9, 1937, Serial No. 152,846
2 Claims. (Cl. 197—64)



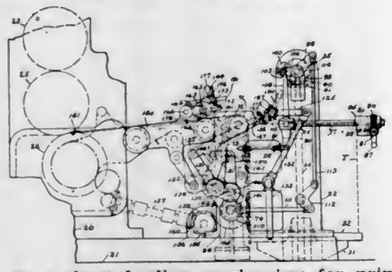
1. In a typewriting machine, the combination with a travelling carriage having a rack, of a pivotally mounted operating lever; a shaft carried by said operating lever; a pinion journalled on said shaft engageable at will with the rack; a brake drum journalled on said shaft; a driving connection between said pinion and drum; a brake lever fulcrumed on said operating lever and being movable therewith and with respect thereto and having a shoe adapted frictionally to engage the drum; and a spring interposed between and connected respectively to said operating lever and said brake lever for urging the latter about its fulcrum on the operating lever to press the brake shoe into engagement with said drum.

2,182,434
ILLUMINATING DEVICE
Russell L. Hohl, New York, N. Y.
Application August 1, 1936, Serial No. 93,852
10 Claims. (Cl. 240—1)



1. A device of the character described having an elongated base member of channel-shaped cross-section adapted to contain a lamp wiring base, a combined cover and reflector part having an opening for a projecting, lamp-supporting, lamp-contact-carrying part carried by such wiring base, said cover and reflector part being formed of two longitudinally extending portions having closely adjacent edges intermediate the width of said base member, which portions are independently carried by said base member adjacent the longitudinal edges thereof, whereby reflectors of different shape may be had by substituting for one or the other of said portions of said cover and reflector part a different portion of changed shape.

2,182,435
SHEET FEEDING MECHANISM
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application July 25, 1935, Serial No. 33,142
17 Claims. (Cl. 271—20)

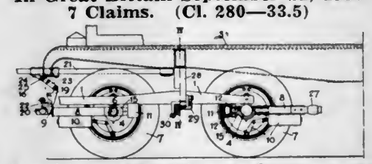


1. In a sheet feeding mechanism for printing machines, means for supporting a pile of sheets, means engaging the vertical edges of the sheets for buckling upwardly a plurality of sheets located at the top of the pile so that the degree of buckling of each sheet is progressively increased as the sheets are located progressively nearer the top of the pile, and a suction head movable to engage the top buckled sheet of the pile and convey it from the pile towards the printing mechanism of the printing machine.

2,182,436
RED LEAD COMPOSITION
James O. Johnstone, East Chicago, Ind., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 26, 1937, Serial No. 122,425
8 Claims. (Cl. 134—67)

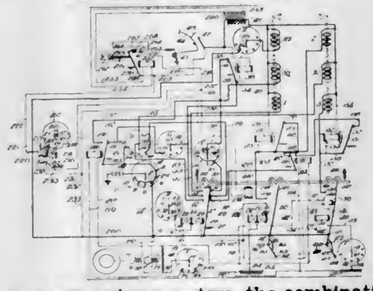
1. The method of rendering a livering red lead substantially non-livering with acid paint vehicles, comprising subjecting the livering red lead to the action of carbon dioxide to convert active litharge present into non-reactive lead carbonates.

2,182,437
STEERABLE BOGIE FOR VEHICLES
Henri Wouter Jonkhoff, Arnhem, Netherlands
Application August 31, 1938, Serial No. 227,840
In Great Britain September 21, 1937
7 Claims. (Cl. 280—33.5)



1. A vehicle comprising a frame, a pair of beams disposed longitudinally with respect to said frame and pivotally mounted intermediate their ends upon said frame for independent substantially horizontal swiveling movements, at least one wheel mounted on each beam forwardly of its pivotal connection with the frame and at least one wheel mounted on each beam rearwardly of its pivotal connection with the frame, corresponding wheels of the respective beams constituting pairs,, pivotal connections between said wheels and said beams permitting angular steering movements of said wheels relative to said beams, means for effecting angular steering movements of one pair of said wheels relative to said beams, means connecting said beams requiring them to partake of unitary swiveling movements relative to said frame, and means connecting the other pair of said wheels maintaining them parallel to each other regardless of swiveling movements of said beams.

2,182,438
GEAR SHIFTING MECHANISM
Robert L. Kahn, Chicago, Ill.
Application November 27, 1936, Serial No. 112,845
Renewed February 2, 1938
24 Claims. (Cl. 74—334)



1. In a supervisory system, the combination of

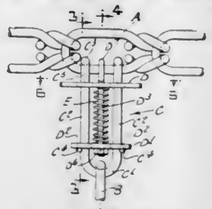
a plurality of relays each responsive to a different electrical condition, direct current work circuits controlled by said relays, said work circuits having a common return including the primary of a transformer, a secondary for said transformer, electromagnetic locking means for said relays for locking the armatures thereof in one of the end positions thereof, and means controlled by said transformer secondary for actuating said locking means from the rush of current in said work circuit.

2,182,439

DETACHABLE INTERCONNECTING CHAIN LINK

Charles Kalbfell, New York, N. Y.

Application August 30, 1939, Serial No. 292,557
9 Claims. (Cl. 59—93)



9. A device for detachably interconnecting links of different chain portions, the same including, in combination, a U-shaped member adapted to be interlinked, with a link of one chain portion and having side portions formed at their free ends with relatively open hooks adapted to hook through the link of another chain portion, and a hook closing assembly removably mounted on the U-shaped member and adapted when in service resiliently to close the hook portions thereof.

2,182,440

PROCESS OF EXTINGUISHING BURNING LIGHT METALS AND PREVENTING THEIR IGNITION

Fritz Kotz, Magdeburg, and Armin Bergmann, Dessau, Germany, assignors to Junkers Flugzeug-und Motorenwerke Aktiengesellschaft, Dessau, Germany

No Drawing. Application May 1, 1937, Serial No. 140,274. In Germany April 4, 1936
5 Claims. (Cl. 23—12)

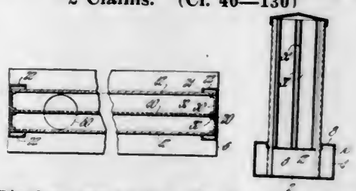
1. The process of extinguishing light metals when ignited, which consists in wetting said burning metals with a dilute aqueous solution of a silicate, said solution containing particles of a saponifiable oil dispersed therein.

2,182,441

DISPLAY APPARATUS

George L. Lee, Maplewood, N. J.

Application February 25, 1939, Serial No. 258,499
2 Claims. (Cl. 40—130)



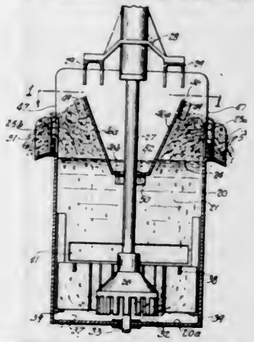
1. Display apparatus of the class described comprising in combination, a base, channel-shaped uprights extending upwardly therefrom in spaced relation with their channels facing inwardly, a channel-shaped member within the channel of each of said uprights with the channel of said member facing inwardly, the side walls of said channel-shaped members being spaced from the side walls of said channel-shaped uprights to form vertical slots therebetween, the slots of one upright being aligned with the slots of the other upright, panel members extending between said uprights with their side edge portions slidably disposed in aligned slots, and means adjacent the lower sides of the slots to limit downward sliding movements of said panel members, said slots and panel members being substantially equal in height and width whereby said side walls of the channel-shaped uprights and members embrace said side edge portions of the panel members substantially throughout their lengths when the latter are in their lowermost positions.

2,182,442

AERATING MACHINE

Lionel E. Booth, Salt Lake City, Utah

Application November 11, 1937, Serial No. 174,055
5 Claims. (Cl. 261—93)



1. An aerating machine, comprising means defining a bubble column, a hollow, rotatable impeller having teeth extending outwardly from the rim thereof and being submerged at a low point in the bubble column, means for supplying compressed air to the interior of the impeller, peeler blades disposed around the impeller and spaced apart from one another and from the impeller, said peeler blades being adapted to guide upwardly, bubbles discharged by the impeller, and a trough bridging the upper part of the bubble column, the said trough including a lower portion dipping below the level surface of the pulp in the bubble column and sides inclined upwardly and outwardly from the said lower portion for the purpose of deflecting outwardly, froth rising from the bubble column.

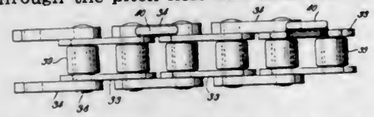
2,182,443

ROLLER CHAIN AND LINK FOR CONVEYERS

Herbert A. McAninch, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois

Application December 7, 1937, Serial No. 178,621
7 Claims. (Cl. 74—250)

1. A chain length of the type described comprising a plurality of pivotally connected links, each of said links including a pair of side plates formed with a pitch hole in each end portion of the same, the pivotal connections between adjacent links each including a pair of inside side plate end portions connected by a bushing received in their pitch holes and a pair of outside side plate end portions connected by a chain pin received in their pitch holes and which pin also passes through the bore of the bushing of adjacent inside side plate end portions, the inside side plate end portions each being of greater width and less thickness on the transverse section passing through the pitch hole axis than each of the



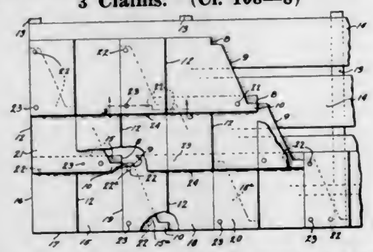
outside side plate end portions on a similar section, each pitch hole of all of said side plate end portions having a diameter which is from .45 to .6 of the width of the side plate on its aforesaid transverse section and being spaced from its adjacent end of the side plate a distance along the longitudinal center line of the side plate which is from .6 to .95 of the difference between the aforesaid width of the side plate and the diameter of the pitch hole.

2,182,444

ROOFING ELEMENT

Roxton C. McKinnie, Detroit, Mich.

Application February 20, 1939, Serial No. 257,408
3 Claims. (Cl. 108—8)



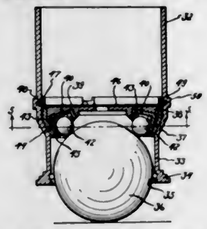
1. In a shingle having three straight sides and one angular side, the combination of a right angular cut-out portion at one corner adjacent the said angular side, and a laterally extending tab having two sides parallel to the corresponding sides of said cut-out portion, there being a marker element vertically positioned across the face thereof, midway between the vertical edge of the cut-out portion and the straight side of the shingle parallel thereto.

2,182,445

CASTER

Vlada Milich, Detroit, Mich.

Application July 23, 1938, Serial No. 220,832
5 Claims. (Cl. 16—26)



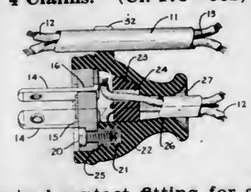
1. A caster of the class described, comprising: a tubular cylindrical retainer, one end portion thereof being reduced in diameter relatively to the other end portion, the portion connecting said end portions being of conical formation; a retaining disk; a metallic ring embracing said retaining disk, said retaining disk having a portion with a cylindrical periphery and a portion with a conical periphery, said ring corresponding in shape to the peripheral shape of said disk and adapted for snug engagement with the inner surface of said retainer, the conical portion of said ring resting upon the conical portion of said retainer, there being a plurality of circumferentially spaced pockets formed in said disk; an antifriction member in each of said pockets; an inwardly directed flange on the end of the reduced portion of said retainer; a spherical contact member engaging in said reduced portion and being of less diameter than said reduced portion of said retainer and of greater diameter than the opening surrounded by said flange, said contact member engaging said antifriction members.

2,182,446

ELECTRICAL CONNECTOR

Oscar J. Nelson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application April 26, 1935, Serial No. 18,352
4 Claims. (Cl. 173—361)



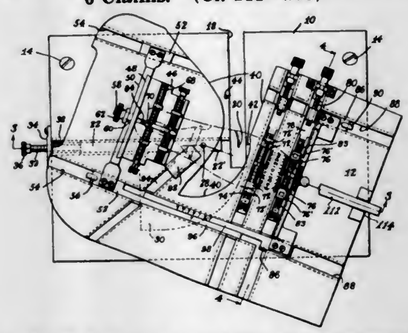
3. A terminal contact fitting for an insulated cable containing an electric conductor, comprising a contact member electrically connected to the conductor, a body of resilient insulating material surrounding the conductor and supporting said contact member, said body having portions integral therewith and spaced to form an open marginal notch in which the cable may be yieldably and clampingly engaged.

2,182,447

APPARATUS FOR REMODELING LASTS

John D. Owen, Stoughton, Mass.

Application December 2, 1936, Serial No. 113,816
6 Claims. (Cl. 144—278)



1. Apparatus for remodeling lasts, comprising a saw combined with a jig, having a rear holder and a fore holder respectively for the rear part

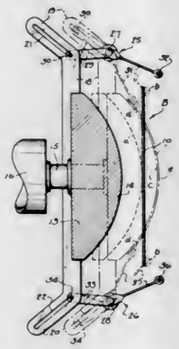
and forepart of a last; said saw and jig being relatively movable for the saw to pass through a path crossing between the rear holder and the fore holder; and means for relative adjustment of the saw and jig transversely of said path, sufficiently to set them for another passing of the saw in which that edge of path which is nearer to the fore holder will be positioned at that edge of the path of the saw's first passing which is more remote from the fore holder, thereby to provide for the cutting of a new forepart having length containing compensation for that part of the length of last which became lost by being in the path of saw-cut through the old last.

2,182,448

APPARATUS FOR BENDING GLASS SHEETS

Ormond H. Paddock, Rossford, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application November 18, 1937, Serial No. 175,245
3 Claims. (Cl. 49—7)



3. In apparatus for bending glass sheets, means for suspending the sheet to be bent in a vertical position, a mold member located at one side of the sheet and having a vertical convex bending surface adapted to initially engage said sheet intermediate the edges thereof, bending means located at the opposite side of the sheet and including rod-like bending elements adapted to engage said sheet adjacent opposite edges thereof only, means for mounting said rod-like bending elements for swinging movement, means for moving the mold member horizontally toward the sheet, and means actuated by movement of said mold member to effect swinging movement of said rod-like bending elements in the opposite direction to cause the glass sheet to be wrapped about said convex bending surface.

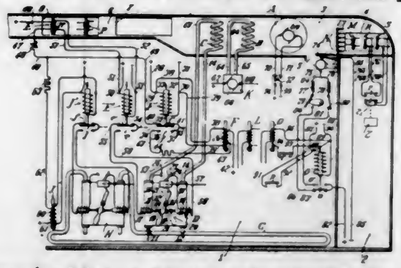
2,182,449

TEMPERATURE CONTROLLING AND VENTILATING SYSTEM

Paul B. Parks, Oak Park, and William M. Smith, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Application November 11, 1937, Serial No. 174,080
15 Claims. (Cl. 257—3)

1. Means for air-conditioning a space comprising a conduit leading into the space, a heating means in the conduit, a cooling means in the conduit, a blower for forcing air through the conduit into the space, thermostatic means for conditioning the heating means for operation only below a predetermined outside temperature and for conditioning the cooling means for operation only above a second higher predetermined outside temperature, the blower being operative for ventilating purposes in the intermediate outside temperature range between the two aforesaid pre-



determined temperatures, and means controlled by said thermostatic means for automatically regulating the speed of the blower whereby it will be operative at full speed in the ventilating range, but will be operated at reduced speeds in the heating and cooling ranges.

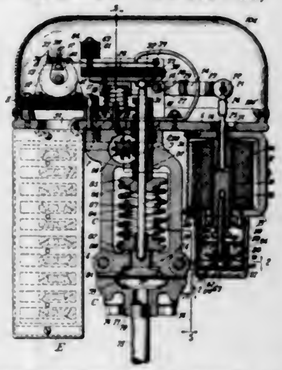
13. Means for cooling a space comprising a conduit leading into the space, cooling means in the conduit, a blower for drawing air partially from outside the space and partially from within the space and forcing this air through the conduit into the space, damper means for determining the proportion of outside air drawn into the conduit, motor means for opening and closing the damper, thermostatic means responsive to both inside and outside temperature changes for controlling the cooling means to maintain selected inside temperatures which respectively differ by predetermined amounts from outside temperatures, the damper means normally remaining open to utilize a maximum proportion of outside air as long as the cooling means is able to maintain the proper selected inside temperature, and thermostatic means for controlling the damper operating motor means to close the damper whenever the inside temperature rises a predetermined amount above the selected inside temperature for the outside temperature then prevailing.

2,182,450

FLUID PRESSURE CONTROLLED SWITCH

Alick Clarkson, Bloomingdale Township, Du Page County, Ill.

Application November 28, 1938, Serial No. 242,708
20 Claims. (Cl. 200—83)



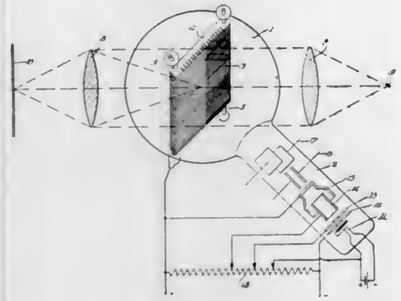
1. In combination with a switch, electromagnetically operated means in a control circuit for closing the switch when the control circuit is closed, means for automatically opening the switch when the control circuit is broken, fluid-pressure operated means for opening the switch whenever the pressure exceeds a predetermined maximum even though the control circuit is closed, and means effective only when the control circuit is closed for again closing the switch when the pressure falls below the predetermined maximum.

2,182,451

CATHODE RAY TUBE SCREEN

Martin Ploke, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany

Application January 21, 1938, Serial No. 186,239
In Germany January 18, 1937
13 Claims. (Cl. 250—164)



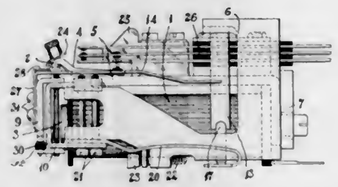
1. In a cathode ray tube of the type containing means for producing a cathode ray beam, particularly for television, a screen upon which said beam is focused, said screen being capable of transmitting light under cathode ray bombardment in amounts proportional to the intensity of the ray, said screen comprising a plurality of bimetallic reeds mounted in a single plane and extending each substantially at a right angle to said plane, said reeds being deformed momentarily when being struck by the cathode ray beam.

2,182,452

ELECTROMAGNETIC RELAY

William Robert Rose, Coventry, England, assignor to The General Electric Company Limited, London, England

Application January 2, 1937, Serial No. 118,793
In Great Britain February 5, 1936
7 Claims. (Cl. 175—337)



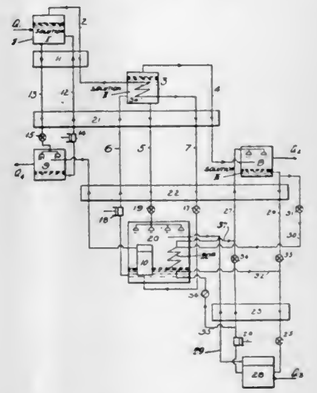
5. An electromagnetic relay comprising two separate relays disposed side by side each having an operating coil and a core, a yoke and an armature, an interlinking mechanism for holding the armatures in either one of two positions without energization, an integral member therein pivotally mounted on an axis perpendicular to a plane containing the axis of the armature and passing midway between the armatures so that operation of one armature by a current through its operating coil causes the positive release of the other armature, the interlinking mechanism between the two armatures being such that the armature last operated remains in this position until the other armature is operated in turn.

2,182,453

HEAT TRANSFER PROCESS AND APPARATUS

William H. Sellew, Indianapolis, Ind.

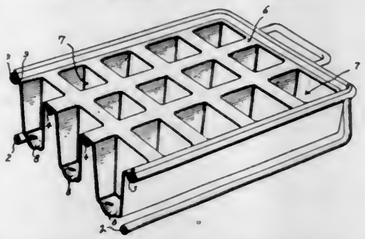
Application January 18, 1936, Serial No. 59,712
9 Claims. (Cl. 62—119)



1. In a cyclic process utilizing at least two solutions having acommon solvent, the steps including vaporizing solvent from the second of said solutions, absorbing said vaporized solvent into the first of said solutions at a temperature at least as high as the temperature of vaporization from said second solution and absorbing the entire heat effect accompanying said vapor absorption in a medium within said cycle, and subsequently rejecting said absorbed heat from the cycle at a higher temperature.

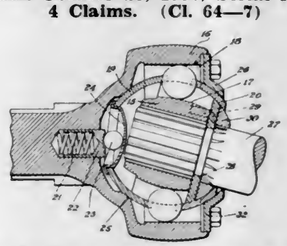
2. A refrigerating system comprising a high-temperature vaporizing chamber, a solution therein having a volatile solvent, means for supplying heat to said solution and vaporizing said solvent, a vapor passage carrying vapor from said first chamber, a condenser in series therewith, a low-temperature vaporizing chamber fed by said condenser, an absorption chamber, a vapor passage carrying vapor from said low-temperature vaporizing chamber to said absorption chamber, a liquid passage carrying concentrated solution from said high-temperature chamber to said absorption chamber, and a second liquid passage carrying dilute solution from said absorption chamber to said high-temperature chamber and a heat exchanger having passages which permit passage of vapor from one of the said liquid passages to the other, the system being so constructed that the temperature, pressure and concentration relations in the heat exchanger insure the concentrated solution to be at a temperature above its boiling point and the dilute solution below the boiling temperature sufficient to cause vapor to pass from the one to the other solution.

2,182,454
ICE CUBE TRAY
Alvin G. Sherman, Grosse Pointe, Mich.
Application August 9, 1937, Serial No. 158,123
11 Claims. (Cl. 62—108.5)



1. A container suitable for liquids to be solidified, comprising a plurality of individual pockets having flexible side walls, a flexible brim portion on each of said pockets extending outward from said side walls, relatively stiff bridging means between each of said pockets and extending around the edge of said brim, said bridging means being adapted to serve as a hold down for the outer edge of said brim portion when a pocket containing the solidified substance is subjected to movement relative to said bridging means whereby said side walls will peel from said solidified substance, and a substantially flat bottom in each of said pockets having a depression formed therein which is adapted to turn inside out during the removal of said substance from said pockets.

2,182,455
FLEXIBLE COUPLING
William F. Smith, Brooklyn, N. Y.
Application October 28, 1937, Serial No. 171,448
4 Claims. (Cl. 64—7)

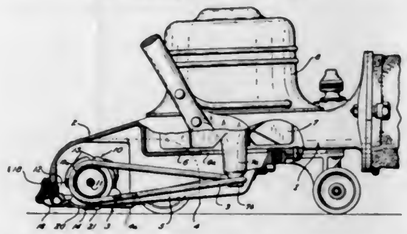


4. In a flexible coupling, an inner and an outer member, each provided with grooves which when the members are assembled form ball pockets, the ball engaging surfaces of the grooves in the inner member being formed on a radius, and those of the outer member being straight in an axial direction, and spring-pressed ball retainers outside of said pockets.

2,182,456
METHOD FOR THE PRODUCTION OF CHLORINATED RUBBER
William H. Stevenson, Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 26, 1937, Serial No. 176,773
5 Claims. (Cl. 260—772)

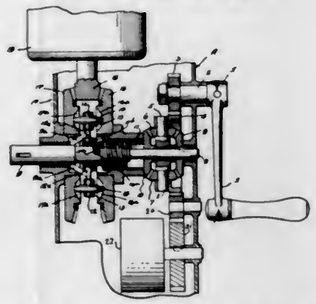
2. A method for the manufacture of a chlorinated derivative of rubber which includes treating rubber in solution in carbon tetrachloride with chlorine at a temperature within the range from about 40° C. to about 60° C. until the chlorine content is within the range from about 52% to about 63%, treating said partially chlorinated rubber, while in said range of partial chlorination for a period from about 2 hours to about 5 hours and at a temperature within the range from about 30° C. to about 40° C., with a mixture of chlorine and an oxygen-containing gas and thereafter continuing the addition of said gas mixture until a chlorinated derivative of rubber is obtained having a viscosity greater than about 20 centipoises and containing at least 64% chlorine.

2,182,457
SUCTION CLEANER
Conrad W. Traut, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 23, 1937, Serial No. 155,250
2 Claims. (Cl. 15—6)



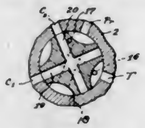
1. In a suction cleaner, the combination of a casing including suction-creating means and a nozzle having a downwardly opening suction mouth, supporting wheels mounted on said casing adapted to support said nozzle at a predetermined distance above the floor level, a rotary agitator mounted in said nozzle and having nonyielding carpet contacting elements on the surface thereof adapted to project below the plane of said suction mouth, and relatively short ribs projecting from the surface of the nozzle mouth at the ends of said nozzle and to at least the same extent as said carpet contacting elements.

2,182,458
FRICTIONAL GEARING
Harry F. Vickers, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application December 5, 1936, Serial No. 114,327
Renewed April 15, 1939
17 Claims. (Cl. 74—388)



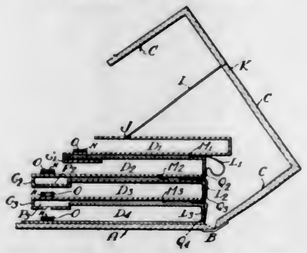
1. In a power transmitting unit, a power output shaft, power rotated differential gears mounted concentric to said shaft and having opposing annular grooves on the inner faces thereof, one or more friction rollers rotatably mounted in such manner as to frictionally contact both of said gears within said annular grooves, said one or more rollers being operatively connected with said shaft and adapted to be tilted in said grooves with respect to the axis of said shaft to cause motion to be imparted to said shaft, sleeve means slidably mounted coaxial with said shaft for tilting said one or more rollers to various angles in response to manual movement, and means actuated by said shaft for restoring said one or more rollers to a non-tilted position in the absence of said manual movement.

2,182,459
VALVE HOUSING AND ROTOR
Harry F. Vickers, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application January 8, 1937, Serial No. 119,561
1 Claim. (Cl. 251—104)



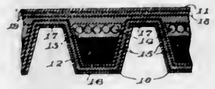
A pilot valve for directing the flow of fluid, comprising a valve casing, supply and return ports and one or more operative ports terminating in a cylindrical valve chamber open at only one end, a rotary valve positioned for rotary movement to open or neutral position within said chamber, diametrically positioned depressions formed around the surface of said rotor valve for cooperating with said ports, independent cross passageways connecting said depressions, the exposed surface area of opposed depressions being substantially equal whereby the pressure conditions existing adjacent any port will be balanced on the opposite side of the valve in any one of a plurality of positions of the rotor valve, a packing gland at one end of said rotor valve, and adjacent the open end of said valve chamber, a drainage connection, means forming a part of said rotor valve for connecting said packing gland with said connection in any one of a plurality of positions of said rotor valve, and auxiliary ports in said rotor valve for connecting said operating ports when the valve is in neutral position.

2,182,460
CONTAINER FOR PHONOGRAPH RECORDS
Guenther Werner, Peking, China, assignor to Gerhard Von Hessert, New York, N. Y.
Application January 24, 1938, Serial No. 186,533
In Germany July 7, 1937
3 Claims. (Cl. 312—12)



2. A container for phonograph records comprising a box having a base member and a cover member hinged thereto, a series of individual receptacles for records superposed one upon another and upon said base member, means loosely connecting adjacent receptacles together and means connecting the uppermost receptacle to the cover, whereby the receptacles are automatically set back evenly in stepped formation by opening the cover, said receptacles being returned to normal position by closing the cover.

2,182,461
BELT AND METHOD OF MAKING SAME
William M. Yeakel, Philadelphia, Pa.
Application February 26, 1938, Serial No. 192,827
1 Claim. (Cl. 74—237)



A belt, comprising a plurality of V portions, and a web portion containing laminated rubber and fabric extending in a transverse plane and integrally connecting said V portions together, said V and web portions also being characterized by common courses of laminated fabric and rubber adjacent to their pulley-engageable surfaces.

2,182,462
COTTER PIN
Byron Barr, University City, Mo.
Application July 12, 1937, Serial No. 153,138
1 Claim. (Cl. 85—8.5)

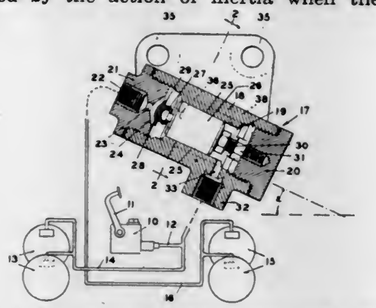


A cotter pin comprising two legs of equal length connected midway their free ends by a loop and the inner faces of the legs normally contacting each other, the side edges of one leg being parallel for the entire length thereof, the side edges of the other leg being parallel for the major portion of its length from the loop toward the free end thereof, the remaining minor portion of said leg having its side edges inclined to expose the side edges of a minor portion of the length of the said one leg to the ready grip of a pair of pliers, and the end faces of both legs being transversely convexed.

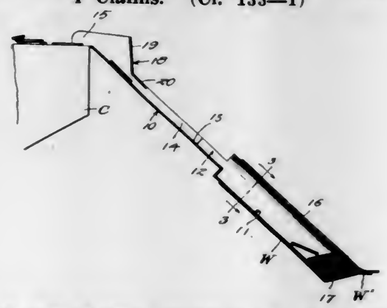
2,182,463
LIQUID PRESSURE BRAKING SYSTEM FOR VEHICLES
John Percival Beeston, London, England, assignor to Automotive Products Company Limited, London, England, a British company
Application February 27, 1939, Serial No. 258,663
In Great Britain February 24, 1938
6 Claims. (Cl. 188—152)

1. In a motor vehicle provided with a plurality of brakes and fluid pressure means for applying the brakes and comprising conduit means for conducting fluid, valve means for closing the conduit means associated with certain of said brakes, said means comprising a rolling ball normally maintained by the action of gravity in a

position causing said valve means to be open but moved by the action of inertia when the vehicle is decelerating at a predetermined rate to a position causing said valve means to be closed.

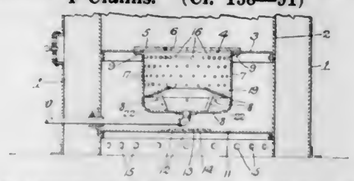


2,182,464
COIN PACKER
Selwyn R. Blackstone, Milwaukee, Wis.
Application July 19, 1938, Serial No. 220,119
4 Claims. (Cl. 133—1)



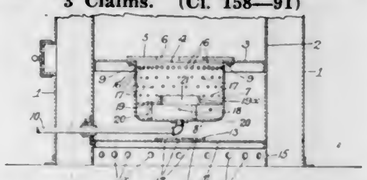
1. A coin packer, comprising a coin receiving chute having a coin discharge mouth which has a flat bottom, and a wrapper supporting tubular core connected at one end with said mouth and the other end being open, said core being of an elliptical cross-section for the support of coins obliquely therein and said mouth having the flat bottom thereof extending across the core parallel to and substantially on the long axis thereof.

2,182,465
BURNER FOR LIQUID FUEL
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application March 18, 1937, Serial No. 131,574
4 Claims. (Cl. 158—91)



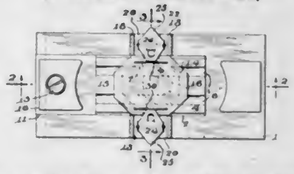
2. A burner for liquid fuel and the like, including a combustion chamber having a generally cylindrical side wall and a bottom portion, means for supplying a liquid fuel to the bottom of said chamber, said wall having a plurality of air inlets located in generally horizontal vertically spaced rows, a baffle plate supported within the chamber intermediate top and bottom thereof, and substantially closing it, said plate having a central aperture, the rim of said central aperture terminating in substantially the same horizontal plane as the row of air inlets next above the lowest row, the lowest row of air inlets being in communication with the space below said baffle plate, the baffle plate being so disposed with respect to the combustion chamber wall that there is a substantial clearance between the outer periphery of the plate and the wall at the time of starting the burner.

2,182,466
BURNER FOR LIQUID FUEL
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Original application February 8, 1937, Serial No. 124,695. Divided and this application September 11, 1937, Serial No. 163,369
3 Claims. (Cl. 158—91)



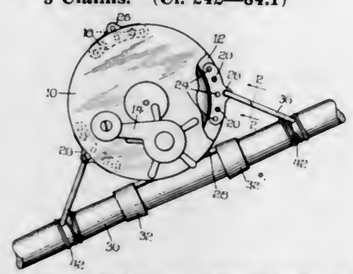
1. A burner for liquid fuel and the like including a generally cylindrical combustion chamber, means for supplying liquid fuel to the bottom of the chamber, there being a plurality of air inlets disposed within the wall of the chamber in three separate groups, one group widely spaced adjacent the bottom of the chamber on one level, another group more closely spaced at a plurality of levels intermediate the top and bottom of the chamber, a third group still more closely spaced on a single level adjacent the top of the chamber, a baffle plate supported within the chamber substantially closing it, having a central aperture, said aperture being bounded by an upwardly turned flange, the baffle plate being located above the first named group of apertures, the upwardly extending flange terminating substantially in the same plane as the lowest level of the second mentioned group of apertures, a centrally apertured baffle overlying the top of the chamber.

2,182,467
COUNTING CHAMBER
Claude P. Brown and Frederic H. Wilson, Philadelphia, Pa.
Application June 8, 1938, Serial No. 212,569
3 Claims. (Cl. 88—40)



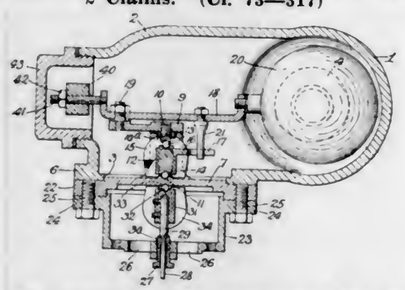
1. The combination of a base, an element removably positioned upon said base, and a clip comprising a base, guide means carried by said first base to slidably receive and operatively position said clip base, an angularly oscillatable member pivotally mounted upon the second base, a yoke having a pair of spaced depending fingers and pivotally carried by said member, the axes of the pivotal connections being angularly disposed and resilient means to yieldingly position said member angularly with respect to said second base, and to cause said fingers to contact said cover slip with equal pressure, to prevent the same from shifting laterally upon and with respect to or away from said glass.

2,182,468
FISHING EQUIPMENT
Joseph A. Coxe, Los Angeles, Calif., assignor to Bronson Reel Company, Bronson, Mich., a corporation of Michigan
Original application March 2, 1935, Serial No. 9,032. Divided and this application July 18, 1936, Serial No. 91,288
5 Claims. (Cl. 242—84.1)



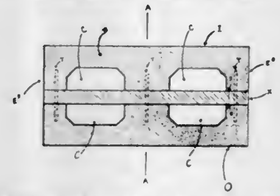
5. In fishing tackle, in combination: a reel having a frame; a rod extending continuously past said frame in both directions; and attaching means for attaching and bracing said frame and rod to each other at three spaced places of attachment; said attaching means including a plate fastened to said reel frame and shaped to lie against said rod where it is nearest said frame; and diagonal braces extending from said frame and engaging said rod at points equally spaced from said plate, said braces including concave contact means at their outer ends shaped to fit said rod; said braces being pivoted to said frame so that they can carry tension or compression but no bending load.

2,182,469
FLOAT BOX
George C. Davis, Chicago, Ill., assignor to Davis Regulator Company, Chicago, Ill., a corporation of Illinois
Application October 24, 1938, Serial No. 236,620
2 Claims. (Cl. 73—317)



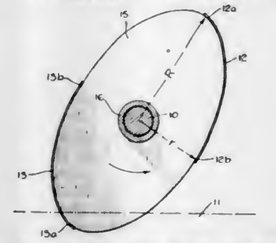
1. In combination, an apertured float housing, a relatively stiff heavy non-magnetic imperforate closure for the aperture, a bearing frame projecting inwardly from the closure, bearings on the closure and the frame, a rotor mounted in said bearings, a fixed magnet carried by the rotor, a float lever pivoted on the frame on an axis out of line with the axis of rotation of the rotor, a float carried by the lever, a lever projecting from the rotor and a slidable, rotatable driving connection between the two levers, a frame projecting outwardly from the closure, a second set of bearings on the closure and said outwardly projecting frame, a second rotor mounted in said second set of bearings, a fixed magnet on said second rotor in opposition to the magnet on the first mentioned rotor and indicating means associated with the second rotor.

2,182,470
MASONRY UNIT OR BLOCK
Jay Erdman, Stamford, Conn., assignor of one-fourth to D. Lewis Mattern, Bridgeport, Conn.
Application April 27, 1938, Serial No. 204,544
5 Claims. (Cl. 72—43)



1. A laminated masonry unit, comprising a pair of vertically disposed parallel horizontally spaced load bearing layers, each having upon its inner face a vertically extending web opposed to the corresponding web of the other layer, said webs forming vertically extending air cells within the unit having open sides opposed to said load bearing layers, an intermediate layer of insulating material disposed between said opposed webs and having surfaces directly exposed to said air cells, and metal ties anchored into said webs and extending through said insulating layer to bind said load bearing and insulating layers together as a unit.

2,182,471
ROTOR UNIT FOR SPRAYING LIQUIDS
Herbert Alfred Faber, Cincinnati, Ohio
Application October 8, 1936, Serial No. 104,583
13 Claims. (Cl. 299—63)



1. A rotor-unit for spraying liquids, comprising at least one scoop member rigidly mounted with respect to an axis of rotation, and having its scoop surface facing said axis and wholly spaced apart therefrom to provide an open passage between said scoop surface and said axis, said scoop member comprising a blade having a leading edge open-spaced farther from the said axis than is the trailing edge open spaced from the same axis, the inner surface of said blade member sloping from the trailing edge to

the leading edge, and at no point being disposed a less radial distance from the said axis than is the said trailing edge, the length of blade, its configuration, and its disposition with respect to the axis of rotation being such that, for a given depth of bite into the maintained body of liquid, and at a given speed of rotation, the liquid picked up by the said leading edge will have its direction of movement reversed, as it travels along said blade and will be discharged from said leading edge.

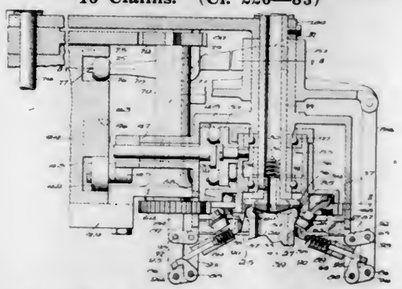
2,182,472

METHOD AND APPARATUS FOR APPLYING HOOD CAPS TO BOTTLES

Enoch T. Ferngren, Toledo, Ohio, assignor, by mesne assignments, to Plax Corporation, Hartford, Conn., a corporation of Delaware

Application July 31, 1934, Serial No. 737,797

16 Claims. (Cl. 226—83)



1. The method of applying a plastic sheet film as a seal to the mouth of a bottle, which comprises preshaping a portion of the film required for effecting said seal into the shape of the upper beaded mouth portion of the bottle, heating and thereby removing moisture from the mouth portion of the bottle to be sealed, applying the preshaped film portion to the dried mouth portion of the bottle, and thereafter shaping another portion of said film to seal around the mouth portion of the bottle.

2,182,473

PROCESS FOR INCREASING THE APPARENT DENSITY OF CHLORINATED RUBBER

Walter E. Gloor, Highland Park, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 16, 1937, Serial No. 164,236

4 Claims. (Cl. 260—772)

1. A method for increasing the apparent density of chlorinated rubber which comprises crushing, by the application of pressure, wet, fluffy, porous particles of chlorinated rubber of low apparent density, while wet with not less than about 45% by weight thereof of water, producing thereby small, thin, chip-like, discrete flakes of chlorinated rubber having an apparent density of at least 15 pounds per cubic foot when dry.

2,182,474

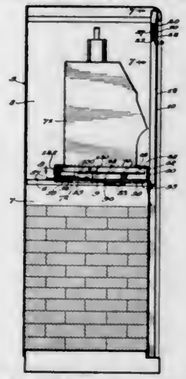
SUPPORT

George F. Hauf, River Forest, Ill., assignor to Chicago Metal Mfg. Co., Chicago, Ill., a corporation of Illinois

Application November 12, 1937, Serial No. 174,146

3 Claims. (Cl. 248—176)

1. A support for an object comprising a hollow cabinet having an opening in its top through which access may be had to the hollow interior, a multi-sided frame having an opening registrable with the opening in the top of the cabinet and having at least one of its sides movable toward and away from another side so that the object to be supported can be clamped by the relatively movable frame sides in a position to close the registering openings in the cabinet and



frame, and a hollow bearing for securing the frame to the top of the cabinet with the frame rotatable about a vertical axis, the opening through the hollow bearing registering with the registered openings through the cabinet and frame so that access to the cabinet interior is possible or impossible depending upon the absence or presence of a supportable object in the frame.

2,182,475

ADJUSTABLE LADDER STEP

George Herline, Saginaw, Mich.

Application October 6, 1938, Serial No. 233,555

1 Claim. (Cl. 304—10)



An attachment for ladders comprising a pair of rail-engaging brackets adapted to be mounted on the side rails of a ladder, clamp means adapted to fasten the said brackets to said rails at any point along the length of the rails, a platform comprising two series of interdigitating members in mutually telescoping relation, said platform being tiltable about an axis lengthwise thereof, platform supporting members secured to the outer ends of the said interdigitating members of each series, said platform supporting members being pivotally mounted on said rail-engaging brackets; and releasable fastening means adapted to secure said supporting members to the respective rail-engaging brackets in various relatively tilted positions.

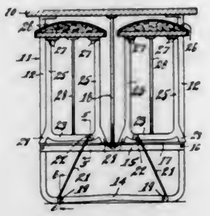
2,182,476

TABLE AND ASSOCIATED SEAT

Joseph C. Higgins, Chicago, Ill.

Application September 17, 1937, Serial No. 164,289

2 Claims. (Cl. 155—124)



1. In combination, a table and bench as described, said table comprising a top and floor engaging supporting frames, and horizontal auxiliary support members thereon spaced below said top a distance in excess of the height of the bench, said bench comprising a seat portion and supporting end members, links pivotally connecting said frames and said end members, and the lower portions of said end members of the bench adapted to rest on said auxiliary support members when swung up under the table top.

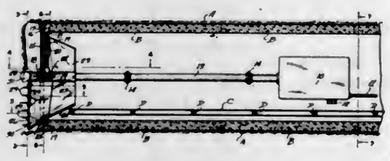
2,182,477

HORIZONTAL DRILLING MACHINE

Denzil M. Hollingsworth, St. Louis, Mo.

Application October 26, 1938, Serial No. 236,982

4 Claims. (Cl. 262—7)



1. A tunnelling machine comprising a motor, a shaft connected to said motor, a drilling blade carried by said shaft, projecting members on the outer face of said drilling blade, means for maintaining said shaft in operative position, an apron mounted adjacent said blade, a ring carried by the forward end of a piping section with which said tunnel is to be lined, said ring abutting against a projection on the outer face of said apron, a conveyor, and means for causing the material collecting upon said apron to move rearwardly thereon and to discharge therefrom upon said conveyor to be dumped from said conveyor at a desired point.

2,182,478

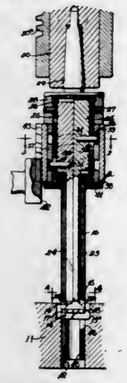
BORING HEAD

Roy G. Jacobson, Rockford, Ill.

Application December 21, 1938, Serial No. 246,962

6 Claims. (Cl. 77—61)

1. A boring head having, in combination, a rotatable tube, a block carrying a cutting tooth and slidably supported by said tube for transaxial movement to change the position of the edge of said tooth, cam surfaces on said block converging toward each other, relatively reciprocable rods disposed side by side in said tube and respectively engaging said cam surfaces, and means



for reciprocating said rods in timed relation to the rotation of said tube.

2,182,479

LEAD OXIDE AND METHOD OF PREPARATION

James O. Johnstone, East Chicago, Ind., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application January 30, 1936, Serial No. 61,578

10 Claims. (Cl. 136—26)

1. A substantially dry composition comprising lead oxide and basic lead sulfate, the lead sulfate content being 5 to 15% calculated as normal lead sulfate, and being present as a coating on individual particles of lead oxide.

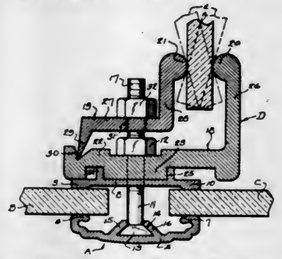
2,182,480

DIVISION AND CORNER BAR CONSTRUCTION

Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

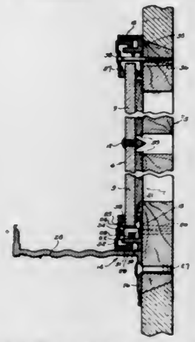
Application October 14, 1937, Serial No. 168,933

14 Claims. (Cl. 189—78)



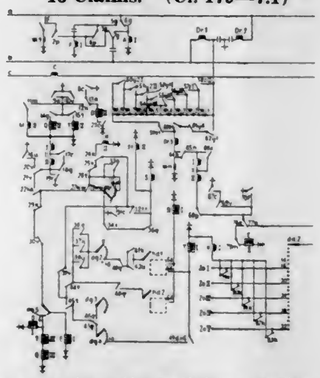
1. The combination with a division bar including inner and outer members for clamping therebetween two sheets of glass disposed in substantially the same plane, of a corner bar for connecting the two sheets of glass with a third sheet of glass arranged at an angle relative thereto, comprising an outer section carried by the inner member of said division bar and engaging the outer face of the third sheet of glass, and an inner section mounted upon said outer section and being independent of the inner member of said division bar, said inner section engaging the inner face of the third sheet of glass.

2,182,481
MOUNTING FOR BLACKBOARDS AND THE LIKE
Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 11, 1938, Serial No. 218,557
6 Claims. (Cl. 35—63)



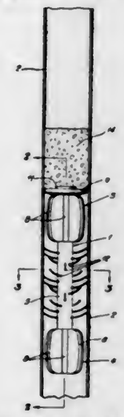
1. In a metal frame mounting for blackboards and the like, top and bottom sections, each comprising a fixed rear member engaging the inner face of the blackboard and a movable front member engaging the outer face of said blackboard, said rear member being provided beyond the edge of the blackboard with a forwardly facing channel and said front member being provided with a rearwardly directed portion slidably received within said channel, and means for removably clamping the said blackboard between the said fixed and movable members.

2,182,482
AUTOMATIC TELEPHONE SYSTEM
Hans Joachim Lurk, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, near Berlin, Germany
Application July 22, 1937, Serial No. 154,977
In Germany August 4, 1936
13 Claims. (Cl. 179—7.1)



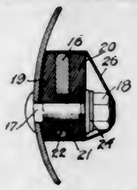
1. In an automatic switching system, means for extending connections to a plurality of zones, zone determining means in said system operated in accordance with the zone to which a connection is extended for determining the particular metering impulses to be transmitted for a connection, and blocking means operated after the zone determining means has been operated for preventing the further extension of the connection unless said zone determining means is operated to a proper position to determine said impulses.

2,182,483
PLUG
Laurence B. MacGregor, Long Beach, Calif.
Application March 7, 1939, Serial No. 260,325
9 Claims. (Cl. 166—1)



1. In a heaving and bridging plug construction, two spaced guides, an interconnecting member therebetween, and wire members secured to the interconnecting member and radially extending beyond the periphery thereof.

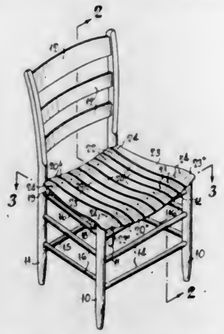
2,182,484
AUTOMOBILE BUMPER ANTENNA SYSTEM AND MOUNTING
Donald Howard Mills, Detroit, Mich.
Application May 14, 1938, Serial No. 208,021
6 Claims. (Cl. 250—33)



1. An electrically insulated bumper bar mounting comprising a bumper bar, a bumper bar hanger, supporting means securing said bumper bar to said hanger including means for electrically insulating said bumper bar from said hanger, and a water resisting flexible hood member extending over said supporting means and a portion of said hanger.

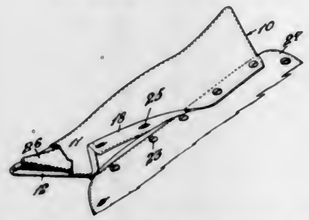
2,182,485
CHAIR
Fred J. Murdock, Statesville, N. C.
Application February 15, 1939, Serial No. 256,591
4 Claims. (Cl. 155—178)

1. A chair comprising a pair of front posts, a pair of rear posts extending a substantial distance above the upper ends of the tops of the front posts, a plurality of parallel rounds joining all of the posts together to make the chair framework, an arcuate rung extending between the upper ends of the front posts, a second arcuate rung extending between the rear posts at substantially the same level as the first-named rung, a plurality of arcuate slats, the two rungs having their concave sides disposed upwardly,



the convex side of the slats being secured near their ends to the concave sides of the arcuate rungs, and the front ends of the slats being reversely curved to form a convex upper front surface on the slats.

2,182,486
COLLAR
Louis Broder, Providence, R. I.
Application September 6, 1938, Serial No. 228,530
5 Claims. (Cl. 2—139)



1. A collar of the detachable type comprising front and back portions superposed on each other and joined together at three of its marginal edges only to form an envelope-like body structure open at one edge and of a size adapted to receive and accommodate within its interior the regular permanently attached collar of a shirt to which the detachable collar is to be applied, means at opposite sides of the open end of said envelope-like body adapted to overlie the usual neck band of the shirt when the permanent collar thereof is disposed within the detachable collar, and fastening means for securing said detachable collar to the shirt during the encased relation of said collars.

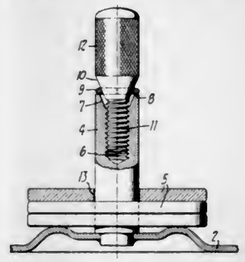
2,182,487
LOOM PICKING MECHANISM
Joseph H. Chadbourne, Scotland, and Charles A. Burdick, Killingly, Conn., assignors to The Danielson Mfg. Company, a corporation of Connecticut
Refiled for abandoned application Serial No. 106,408, October 19, 1936. This application March 4, 1939, Serial No. 259,932
3 Claims. (Cl. 139—151)

1. A picker stick coupling comprising a shank and an integral head, said shank and head consisting of a continuous outer textile sheath and a continuous filler core of separate initially unbound parallel cords extending lengthwise of the



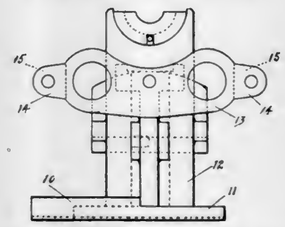
coupling and impregnated with adhesive, said head having a journal opening extending laterally therethrough.

2,182,488
COUNTER HOLDER FOR GAME COUNTERS
Mervyn S. Cowen, San Francisco, Calif.
Application November 4, 1938, Serial No. 238,711
4 Claims. (Cl. 211—49)



1. A game counter holder comprising a post adapted to slidably support a plurality of apertured counter disks in a row thereon with the post extending through the apertures in said disks, a support for the post secured to one end thereof and the opposite end of the post being free for sliding the disks thereover, an expansible member at said opposite end normally disposed within the confines of the said opposite end and expansible radially of the longitudinal axis of the post to project radially outwardly of the sides of the post to a position obstructing the passage of disks on the post over said end, and means on said opposite end of the post manually movable to cause expansion of said member to said position upon movement of said means in one direction and said expansible member being automatically retractable to within the confines of said opposite end upon movement of said means in the opposite direction.

2,182,489
CARBON CONTACTS FOR A MOTION PICTURE MACHINE HIGH INTENSITY LAMP
Frank A. De Nol, Cleveland, Ohio
Application July 27, 1939, Serial No. 286,858
5 Claims. (Cl. 176—119)



1. In carbon contacts for a motion picture

machine high intensity lamp, comprising in combination a supporting bracket, a lower fixed contact removaly mounted on the supporting bracket, an upper contact having heat dissipating fins thereon, and normally occupying a spaced position substantially parallel with the lower contact, said contacts adapted to engage a carbon interposed between said contacts, means to lock the contacts at one end, and yielding means to maintain downward pressure upon the upper contact and hence upon the carbon interposed between the contacts.

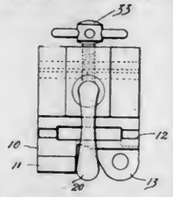
2,182,490

NEGATIVE CARBON CLAMP OR HOLDER FOR HIGH INTENSITY MOTION PICTURE MACHINE

Frank A. De Nol, Cleveland, Ohio

Application August 12, 1939, Serial No. 289,890

4 Claims. (Cl. 176—119)



1. In a negative carbon clamp for high intensity motion picture machine the combination of a bracket having a carbon bearing therein, a movable clamp member having a carbon bearing in alignment with the bearing in the bracket, a shaft, a cam fast thereon cooperating with the movable clamp member imparting different degrees of movement to said member, and means in the clamp engaging the shaft to prevent rotation thereof when screwed thereagainst.

2,182,491

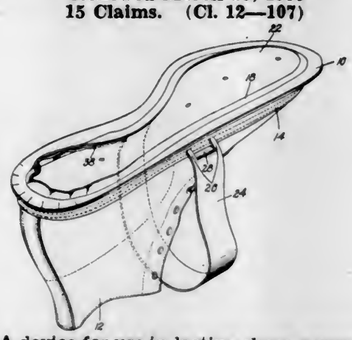
METHOD AND APPARATUS FOR USE IN LASTING SHOES

Joseph Fausse, Melrose, Mass., assignor, by mesne assignments, to The Littleway Process Company, Boston, Mass., a corporation of Massachusetts

Application June 1, 1937, Serial No. 145,731

Renewed March 29, 1939

15 Claims. (Cl. 12—107)



9. A device for use in lasting shoes comprising a resilient U-shaped loop, the ends of the loop being adapted to be separated and placed in the welt crease of a prewelt shoe upper upon a last with the plane of the loop substantially at right angles to the longitudinal axis of the shoe, the loop by its inherent resiliency acting to force the opposite sides of the upper against the sides of the last.

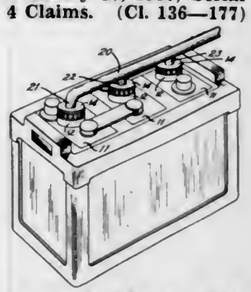
2,182,492

CONTAINER CLOSURE

Charles R. Hall, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application January 30, 1937, Serial No. 123,221

4 Claims. (Cl. 136—177)



1. A closure member for a battery container, said member comprising a rigid body having means for securing it to the container, and a flexible tubular nipple integral with the body in venting communication with the container.

2,182,493

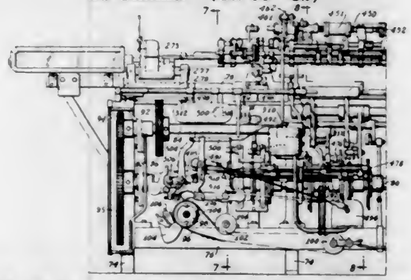
KNITTING MACHINE

Fritz Lambach, Belleville, N. J., assignor to Robert Reiner, Incorporated, a corporation of New Jersey

Application October 6, 1936, Serial No. 104,244

In Germany July 15, 1936

24 Claims. (Cl. 66—82)



22. In a control for the movable elements supporting the yarn carriers of a straight knitting machine, the combination comprising two sets of devices for moving said yarn carrier supporting elements, and gearing connection between said two sets of devices for their operation simultaneously in opposite directions.

2,182,494

COKE-OVEN DOOR MACHINE

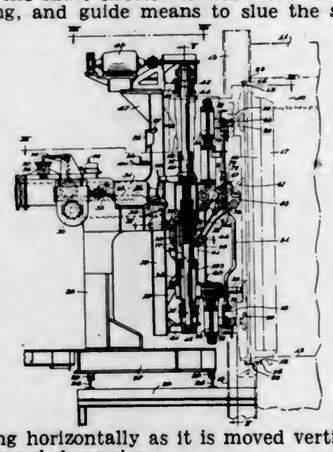
Paul Howard Lavely, Pittsburgh, Pa., assignor to Koppers Company, a corporation of Delaware

Application December 29, 1937, Serial No. 182,205

17 Claims. (Cl. 212—4)

1. Apparatus for manipulating coke-oven doors and comprising, a ram reciprocative longitudinally of a coking oven, a shaft rotatably mounted on said ram and having screw-threads on its surface, slideably mounted on said shaft a shorter housing provided with means for engaging a coke-oven door to remove it from an oven, a threaded member adapted to travel along said shaft in its screw-threads upon rotation of said shaft, means for engaging said threaded member with said housing so that movement thereof

along the shaft effects vertical movement of the housing, and guide means to slue the slideable



housing horizontally as it is moved vertically by the threaded member.

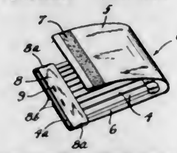
2,182,495

MATCH BOOK STRUCTURE

Leo O. H. Lemke, Minneapolis, Minn.

Application December 23, 1938, Serial No. 247,381

6 Claims. (Cl. 206—29)



1. In a match book including a card of matches each projecting and separable from a common base and a cover folded about the head ends of the matches to form a back portion and a front closure flap each extending to the base, a strip of striking material placed on and extending transversely of said flap inwardly of the free edge thereof, and a strip of material extending across the front side and around the side edges of said base and secured to the rear side thereof to form in conjunction therewith a pocket for receiving the free end of said flap and retaining the same against lateral movement thereof relative to said base when a match is drawn along said strip of striking material.

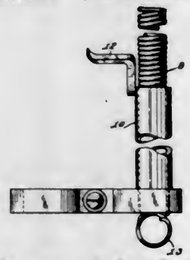
2,182,496

TELEPHONE ATTACHMENT

Robert L. Lemon, Indianapolis, Ind.

Application December 3, 1936, Serial No. 113,955

3 Claims. (Cl. 179—146)



1. A yieldable support for flexible telephone cords, comprising a pair of separable clamping members having abutting faces, each of said abutting faces having an arcuate recess at one end and a second arcuate recess at the other end smaller in diameter, the recesses when the members are clamped together forming a clamping opening for a portion of a telephone stand and a second clamping opening for a helically coiled spring and a helically coiled spring having means for stiffening the same throughout a portion of its length both clamped in said coiled spring opening between said clamping members and supported thereby in a substantially vertical position.

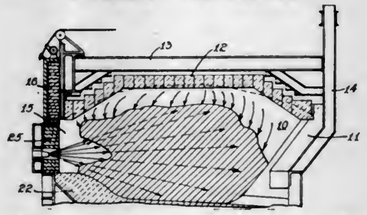
2,182,497

APPARATUS FOR INTRODUCING FUEL INTO AN OPEN HEARTH FURNACE

Levi S. Longenecker, Pittsburgh, Pa.

Application September 23, 1937, Serial No. 165,254

8 Claims. (Cl. 263—43)



2. The combination with an open hearth furnace provided with end firing ports and a plurality of doors in one side thereof which are capable of being independently raised, of means for raising a predetermined number of such doors to form an opening in the furnace side, a portable auxiliary burner unit adapted to be disposed in the space so provided, and means for causing charge melting flames from said auxiliary burner unit to enter said furnace.

2,182,498

METHOD OF INTRODUCING FUEL INTO AN OPEN HEARTH FURNACE

Levi S. Longenecker, Mount Lebanon, Pa.

Original application September 23, 1937, Serial No. 165,254. Divided and this application March 9, 1939, Serial No. 260,717

11 Claims. (Cl. 75—43)



1. In an open hearth steel method, the steps of melting down a charge by intense flame of low luminosity directed against at least one side of the charge and refining with luminous flame alternately directed from opposite ends lengthwise of the furnace.

2,182,499

MEANS FOR IMPROVING THE AVAILABLE RESOLVING POWER OF MICROSCOPES

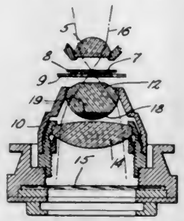
Harvey N. Ott, Buffalo, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y.

Application December 30, 1936, Serial No. 118,282

5 Claims. (Cl. 88—40)

1. A microscope condenser having a lens pro-

vided with a body portion of clear transparent glass, and a minor central portion of said lens at one face thereof formed of a glass which obstructs the passage of part of the rays entering said portion and which is of greatest thickness in the middle portion thereof which is coincident with the optical axis of said lens and which gradually decreases toward the edge of said portion, said minor portion being of materially smaller diameter than said body portion, said body and minor portions being secured together



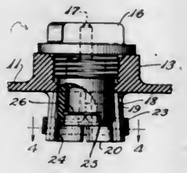
and formed into a single lens element shaped to converge a beam of light to the focal point of the lens, the parts of said body portion located beyond the periphery of said minor portion providing a substantially unrestricted path for the light rays entering the same and said minor portion of said lens restricting the passage of the light rays to a gradually increasing extent from the periphery thereof to the axial portion thereof, whereby the available resolving power of a microscope is improved.

2,182,500

CELL COVER ASSEMBLY FOR STORAGE BATTERIES

George A. Paddock, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application April 26, 1938, Serial No. 204,342
4 Claims. (Cl. 136—178)



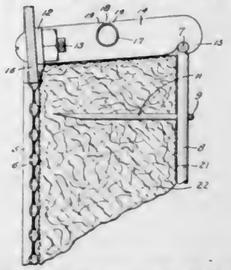
4. A cover assembly for a container for electrolyte comprising a cover having a vent and filling opening therethrough, and a skirt integral with the cover about the opening and depending below the cover for providing adjacent said skirt between the cover and a normal electrolyte level a gas-trapping space beneath the cover, said skirt comprising a plurality of staves having their margins, normally abutting each other, said staves being flexibly mounted for a hinging movement with respect to the cover from a closed gas-trapping position to separate the staves for providing venting slits between the adjacent margins of the staves through the wall of the skirt, means for swinging the staves from the closed position to the venting position, and resilient means for urging the staves to their closed position, said means for swinging the staves comprising a vented closure plug adapted to engage the opening in the cover and constructed and arranged to press outwardly upon the staves when the plug is engaged in said opening.

2,182,501

METHOD AND MEANS FOR SUPPORTING FILTER PADS

Oscar E. Quave, Huntington Park, and Ben B. Breslow, Los Angeles, Calif., assignors to Utility Fan Corporation, Los Angeles, Calif., a corporation of California

Application February 4, 1939, Serial No. 254,668
9 Claims. (Cl. 210—169)



2. The method of supporting a filter mass of felted fibrous material which consists of confining it within a loosely woven bag and hanging it upon a multiplicity of spaced prongs extending into and substantially through said mass; the spacing between adjacent prongs being progressively less toward the uppermost thereof.

2,182,502

CUFF LINK CONSTRUCTION

Le Roy Joseph Salisbury, Olneyville, R. I., assignor to Freeman Daughaday Company, a corporation of Massachusetts

Application October 6, 1937, Serial No. 167,578
6 Claims. (Cl. 24—102)



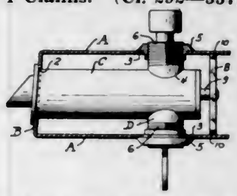
6. In a cuff link construction having a shank with spaced arms joined at one end by an integral rectangular bar, a movable head pivotally mounted on said bar, said movable head comprising a container having sides, bottom, and an open top, and a cover enveloping said container and having edges abutting to form a longitudinal seam, said container and said cover having side slots to permit assembly around said bar and ornaments having thin bases seated on the ends of said container, the cover of said container engaging the ornament bases to lock said ornaments in said head.

2,182,503

LOCK MOUNTING FOR HOLLOW METAL DOORS

Walter R. Schlage, Palo Alto, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California

Application January 17, 1938, Serial No. 185,371
4 Claims. (Cl. 292—337)



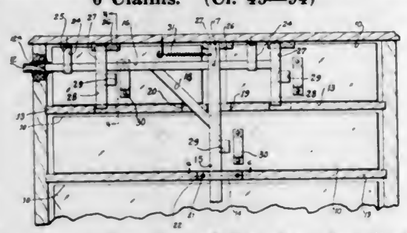
1. The combination with a hollow stile of a door, said stile having openings formed in the edge and in the opposite faces for the reception of a latch bolt unit, of a combination spacing and reinforcing member secured on the latch bolt unit and insertable with said unit through the opening in the edge of the door, said member engaging the inner faces of the stile when the latch bolt unit is fully inserted and properly positioned.

2,182,504

FURNITURE DRAWER LOCK

James C. Siegel, New York, N. Y.

Application April 23, 1937, Serial No. 138,528
6 Claims. (Cl. 45—94)



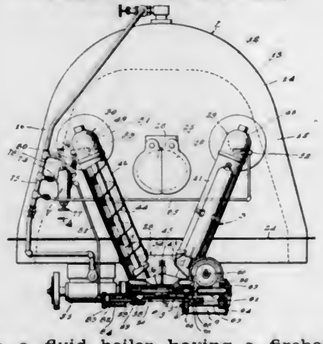
3. In a combination of the class described, a cabinet housing a series of sliding drawers, partitions extending between said drawers, a back plate carried by said cabinet for preventing access to said drawers and partitions from the rear, a plurality of locking members movable as a unit in substantially a common vertical plane mounted between end surfaces formed on said partitions and said back plate and in juxtaposed relation to the backs of said drawers, means carried by said partitions for guiding said locking members while preventing forceful pushing of said locking members out of said substantially common vertical plane, a locking cylinder secured to said locking members in the substantially common vertical plane of said locking members and extending through the side of said cabinet for operation, a sleeve-like cylinder housing secured to the said side of the cabinet for housing said cylinder, and means for locking said cylinder to said housing and with said locking members maintaining said drawers against outward movement.

2,182,505

STOKER

Charles J. Surdy, Tuckahoe, and Edwin Archer Turner, New York, N. Y., assignors to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application July 27, 1937, Serial No. 155,903
6 Claims. (Cl. 110—103)



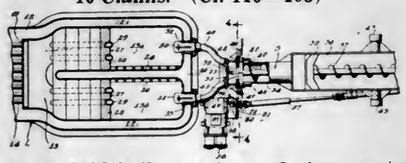
6. In a fluid boiler having a firebox and a grate for supporting a firebed, a stoker for delivering fuel into said firebox comprising a plurality of fuel feeding units, each of said fuel feeding units including a distributor member arranged to spread fuel over the entire firebed, a conveyor, mechanism for rendering said conveyor operative to supply fuel to said fuel feeding units at desired rates of feed, means for rendering the fuel feeding units operative to deliver into the firebox the fuel received from said conveyor, means responsive to pressure of fluid in said boiler for interrupting operation of one of said fuel feeding units, and added means cooperating with the second named means for reducing the rate of delivery of said conveyor without substantial change in the rate of delivery of the other of said fuel feeding units.

2,182,506

LOCOMOTIVE AND STOKER THEREFOR

Edwin Archer Turner, New York, and Charles J. Surdy, Tuckahoe, N. Y., assignors to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application July 27, 1937, Serial No. 155,902
10 Claims. (Cl. 110—103)



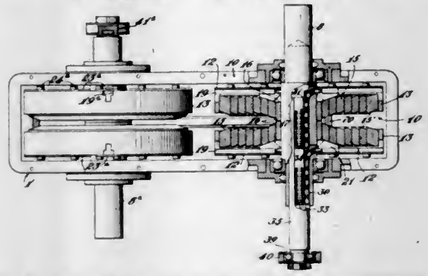
9. In a fluid boiler having a firebox, a stoker for delivering fuel into said firebox comprising a plurality of fuel feeding units, a conveyor for delivering fuel to said fuel feeding units, mechanism for rendering said conveyor operative at desired rates of speed, means for rendering the fuel feeding units operative to deliver into the firebox the fuel received from said conveyor, means responsive to pressure of fluid in said boiler for interrupting operation of one of said fuel feeding units, and added means cooperating with the second named means for reducing the speed of said conveyor without substantial change of speed of the other said fuel feeding units.

2,182,507

VARIABLE SPEED POWER TRANSMISSION

Preston Whitcomb, Buffalo, N. Y., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application February 2, 1939, Serial No. 254,269
13 Claims. (Cl. 74—230.18)



2. A variable speed transmission comprising a pair of rotatable pulleys, each of the pulleys including a pair of opposed faces, each of said faces comprising a plurality of rings each adjustable in the direction of its axis toward or away from a corresponding ring of the opposite face of the same pulley, a flexible endless driving

element for transmitting power between the pulleys, and mechanism operative to cause simultaneous movement of corresponding rings of each of the pulley faces thereby to produce an increase in the effective diameter of one pulley while simultaneously causing a decrease in the corresponding effective diameter of the other pulley, said mechanism including radially movable wedges each operative by radial movement successively to engage and axially to move the rings of one pulley, respectively, a pair of wedge-actuating cams, and motion-transmitting means between the cams and wedges, the cams being so constructed and arranged as to cause a greater change in the effective diameter of the pulley which, for the time being, is of smaller effective diameter than in the effective diameter of the other pulley, thereby to maintain proper tension of the endless drive element at all speed ratios of the pulleys.

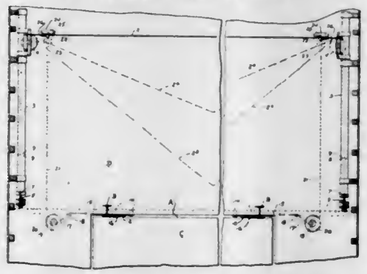
2,182,508

ELEVATOR GATE OR BARRIER

Charles White, San Francisco, Calif.

Application September 27, 1938, Serial No. 231,911

3 Claims. (Cl. 187—51)



1. The combination with an elevator shaft extending between a plurality of floors, and an elevator operable therein, of a barrier on each floor in front of the elevator shaft, each barrier comprising a cable disposed at an elevation above the floor to engage the bumper of a power driven truck, yielding means at each end of each cable to gradually bring a truck to a stop before it can reach the elevator shaft if the truck accidentally backs into or runs against the cable when the elevator is positioned at some other floor, a vertical guide track adjacent each end of each cable, a shoe slidably mounted in each track, a dog on each shoe extending over and engaging the cable, means connected with each cable for normally maintaining the cables, the dogs and the shoes in an elevated position with relation to the floors, and means actuated by movement of the elevator as it approaches a floor, for exerting a downward pull on the shoes and dogs to lower the cable to the floor so that the wheels of a truck can run over the cable and onto the elevator when the elevator aligns with a floor.

2,182,509

PRODUCTION OF DOUBLE FLUORIDES OF ALKALI METALS AND ALUMINUM

Harold W. Heiser, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application May 24, 1937, Serial No. 144,413

10 Claims. (Cl. 23—88)

1. A method for the production of double fluorides of alkali metals and aluminum, comprising treating a solution of a hydrofluoboric acid compound with an alkali metal aluminate and an alkali metal compound in amount sufficient to provide about 3 atoms of alkali metal to each atom of aluminum.

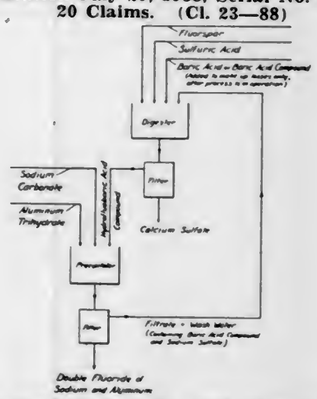
2,182,510

PRODUCTION OF DOUBLE FLUORIDES OF ALKALI METALS AND ALUMINUM

Harold W. Heiser, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 29, 1938, Serial No. 221,993

20 Claims. (Cl. 23—88)



1. A method for the production of double fluorides of alkali metals and aluminum, comprising treating a solution of a hydrofluoboric acid compound by introducing material dissociating to form aluminum and alkali metal ions in said solution in proportions effecting the precipitation of a double fluoride.

2,182,511

PRODUCTION OF FLUOBORATE COMPOUNDS

Harold W. Heiser, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application August 9, 1939, Serial No. 289,312

9 Claims. (Cl. 23—59)

4. A method for the extraction of fluorine values from fluorspar ores comprising digesting the fluorspar with an aqueous solution of sulfuric acid containing a material selected from the group consisting of boric acid and boric acid salts.

2,182,512

POLYMERIZATION OF OLEFINS

John A. Anderson, Olympia Fields, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application June 10, 1937, Serial No. 147,491

6 Claims. (Cl. 260—94)

1. In the process of producing plastic hydrocarbon polymers having a molecular weight above about 1000 by the polymerization of isobutylene contained in hydrocarbon mixtures from cracking still gases which also contain a small amount of diolefins wherein said hydrocarbon mixtures are subjected to the action of an active metal halide catalyst at a low temperature of about —40 to —100° F., the method of increasing the molecular weight and plasticity of said polymers which comprises removing said diolefins from said hydrocarbon mixtures before subjecting them to the polymerizing action of said active metal halide catalyst by treating said hydrocarbon mixtures with a reagent which reacts with said diolefins but allows said isobutylene and other hydrocarbons present in said mixtures to remain substantially unaffected.

2,182,513

METHOD OF SEALING WAXY SURFACES

William I. Buckeridge, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application May 14, 1936, Serial No. 79,719

5 Claims. (Cl. 154—40)

1. The method of cold bonding waxy surfaces which comprises applying to one of said surfaces as a bond therebetween a coating of hydrocarbon plastic selected from the class consisting of isobutylene polymers having a molecular weight of about 2,000 to 15,000 and hydrogenated rubber, and pressing the surfaces together at ordinary temperature.

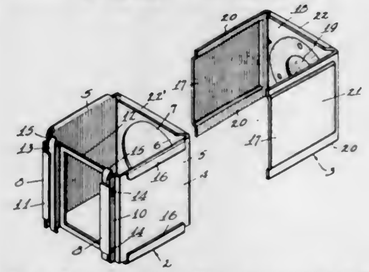
2,182,514

FILM VIEWER

Saul Adam Ciechanow, San Francisco, Calif.

Application December 2, 1938, Serial No. 243,577

9 Claims. (Cl. 88—39)



3. In a film viewer, a film mounting including a rectangular frame having parallel side walls and front guide-ways arranged in confronting relation to slidably receive a film therein, the guide-ways being made to engage with the marginal sections of the film and leaving the main portion of the film exposed, whereby a person may examine the film while looking through the film toward light, two opposing ends of the side walls being turned upon themselves to form parallel and registering channels and a substantially U-shaped lens mounting having side members adapted to telescope with respect to the sides of the film mounting and to be slidably received in the said channels, the lens mounting having a lens therein through which the film may be viewed.

2,182,515

MOUNT FOR PHOTOGRAPHIC PRINTS OR THE LIKE

Lee A. Chilcote, Gates Mills, Ohio, assignor to The Chilcote Company, Cleveland, Ohio, a corporation of Ohio

Application November 3, 1938, Serial No. 238,634

5 Claims. (Cl. 40—152)

5. A picture mount comprising a back board, a front frame, and a spacing member constructed independently of, and interposed between, the back board and front frame and whose peripheral portion is constituted of material that is highly wear resistant and projects beyond the edges of the back board and front frame, the foregoing elements being secured together by



suitable means, said spacing member having a picture well, and the front frame a sight opening smaller than said well and in substantially axial alignment therewith.

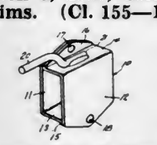
2,182,516

HOLDING MEANS FOR FOLDING CHAIRS

Earl W. Coble, Burton, Ohio

Application March 3, 1937, Serial No. 128,828

2 Claims. (Cl. 155—117)



1. A device for use with folding chairs of the class described, the same comprising a box-like casing constructed of identical side plates assembled in opposed relation to each other, each plate including an end wall that is at substantially right angles to the body portion of the plate, and a flange extending at substantially right angles from the edge of the end wall remote from the body portion in a direction opposite that of said body portion, fastening means connecting the flange of the end wall of each side plate to the end of the other side plate, and a finger having one of its ends secured to the end wall of one of the side plates and its other end offset outwardly from the plane of said wall and extended beyond one edge thereof.

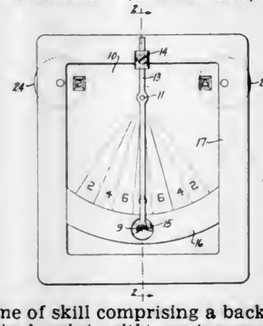
2,182,517

AMUSEMENT DEVICE

Justin S. Compton, Oakwood, Ohio, assignor of one-half to Henry Silbereis, Dayton, Ohio

Application February 20, 1939, Serial No. 257,360

6 Claims. (Cl. 273—102)



1. A game of skill comprising a backboard having a central point with scoring zones marked thereon in sectors radiating from the said central point; a shaft mounted perpendicularly to the board at the central point; a pendulum mounted on the shaft so as to normally swing parallel to the backboard a slight distance therefrom but having the free end movable towards the board; a vacuum cup pendulum bob attached to the free end of the pendulum having the cup end facing the board; and an arcuate piece of hard material having a flat surface mounted in the board so as to furnish a sealing surface for said vacuum

cup when forced toward the board at any position of the pendulum whereby the vacuum cup will adhere to the flat surface and stop the pendulum.

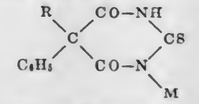
2,182,518

THIOBARBITURIC ACIDS

Arthur W. Dox, Windsor, Ontario, Canada, assignor to Parke Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application January 16, 1939, Serial No. 251,256
4 Claims. (Cl. 260—260)

1. A compound having the formula



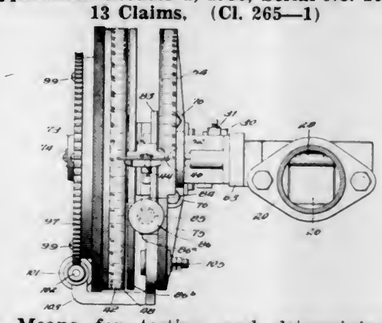
where R is an alkyl radical having not more than 7 carbon atoms and M is a member of the class consisting of hydrogen and a salt-forming basic group capable of replacing the hydrogen of the imino group.

2,182,519

COMBINED GOVERNOR TORQUE TESTING AND SPRING CALIBRATING AND TESTING DEVICE

Robert G. Handy, Detroit, Mich., and Clayton B. Seymour and Alfons A. Altenberg, Chicago, Ill., assignors to Hoof Products Company, a corporation of Illinois

Application October 1, 1936, Serial No. 103,518
13 Claims. (Cl. 265—1)



1. Means for testing and determining the torque of an automotive engine as indicated by the suction in the intake manifold by the use of a valve associated with the intake manifold of said engine, said means including a calibrated spring adapted to be directly acted upon by movement of said valve, a protractor member, means connected with said valve for indicating upon said protractor the degrees movement of said valve and means associated with said calibrated spring for indicating the pounds pressure at said valve caused by the suction at different degrees of opening settings thereof.

2,182,520

PRODUCTION OF PULP FROM HIGHLY RESINOUS WOODS

Kurt Schwabe, Kriebstein, Post Waldheim in Saxony, Germany, assignor to the firm of Kübler & Niethammer, Kriebstein, Post Waldheim in Saxony, Germany, and Chemische Fabrik Coswig-Anhalt, G. m. b. H., Coswig in Anhalt, Germany

No Drawing. Application September 22, 1937, Serial No. 165,227. In Germany June 28, 1937
1 Claim. (Cl. 92—6)

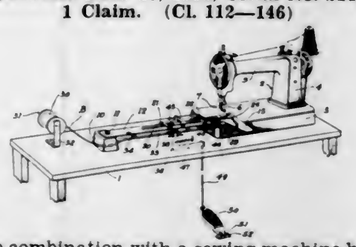
A process of grinding wood pulp from highly resinous woods, consisting in adding to the pulp during the grinding operation barium hydroxide precipitating out the resin as insoluble barium resin soap and limiting the addition in order that the pulp water does not exceed a pH value of 7.

2,182,521

MEANS FOR PRODUCING A VARIETY OF TRIMMING EFFECTS

Harry Levine, Cleveland Heights, Ohio

Application June 17, 1938, Serial No. 214,281
1 Claim. (Cl. 112—146)



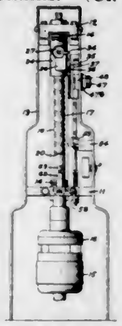
The combination with a sewing machine having a tucking arm pivoted at one end to the machine structure so that it is capable of being swung in a substantially horizontal plane to and from operative position in which position its free end is in operative relation to the needle of the machine, a slide mounted on said arm, and a braid laying element carried by the slide for movement to and fro in substantially the line of stitching and transversely thereof when the tucking arm is in operative position; of a lever pivoted to the machine structure, means urging said lever in one direction, and a pedal operatively connected to said lever for moving it in opposition to said means, the slide and lever having parts cooperating only when the tucking arm is in operative position for establishing operative connection between the slide and lever.

2,182,522

MECHANICAL MOVEMENT

Ernest E. Lindsey, Los Angeles, Calif., assignor to Insta-Freeze Corporation, a corporation of California

Application November 30, 1937, Serial No. 177,268
16 Claims. (Cl. 74—57)



1. A device for the conversion of rotary movement to reciprocating movement including in combination, a shaft having an endless groove traversing the said shaft in two intersecting spirals with the intersections being rounded at the points of reversal, a swivelled "dog" member having a blade for traveling in said groove and provided with spaced projections sufficient to provide bearing at the intersections of the groove on both sides thereof in the same direction,

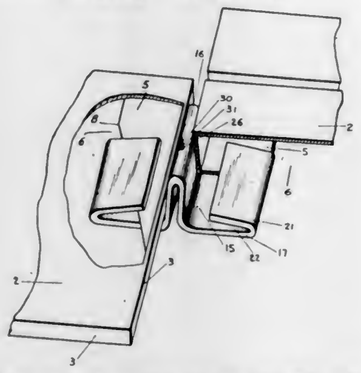
means for assisting the reversing of the direction of travel short of the full travel in one direction and means carried by said swivelled "dog" member operated to directionally guide it for the full length traveled in the other direction before reversing.

2,182,523

STRUCTURE ELEMENT AND CONNECTOR

Joseph H. Markowski, Toledo, Ohio

Application December 22, 1937, Serial No. 181,202
5 Claims. (Cl. 189—88)



3. A structure comprising a plurality of adjacently disposed elements, one of said elements having a high-point cam portion, means movable with reference to said cam portion and engaging the cam portion and another of said elements to draw the said first element toward the other element with a pressure which increases as the means approaches the high point of the cam portion, said means including a resilient part disposed between the points of engagement of said means with said elements and tending to resiliently maintain the engaged elements against relative movements away from each other notwithstanding the pressure exerted by said cam portion to accommodate for undeterminable forces exerted by or on one of the elements engaged by said means induced by vibration of or thermal change in the body of the said elements.

2,182,524

ADHESIVE

Robert W. Maxwell, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 1, 1937, Serial No. 166,729
2 Claims. (Cl. 134—23.1)

1. An adhesive composition comprising from about fifteen to thirty per cent of unhydrolyzed starch and a salt of deacetylated chitin in an amount equivalent in its effect on the adhesives' viscosity to from about one and one-half to about four per cent of an acetate of a typical deacetylated chitin a five per cent aqueous acetic acid solution containing five per cent of which typical detacetylated chitin has a viscosity of 880 poises.

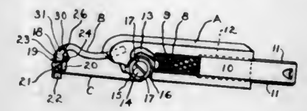
2,182,525

DEVICE FOR HOLDING DENTAL FLOSS

William A. May, Spokane, Wash.

Application December 17, 1938, Serial No. 246,422
3 Claims. (Cl. 132—92)

1. A device for holding dental floss, comprising a handle provided with a chamber for carrying a supply of said floss, a channel extended from said chamber for removing a portion of said floss, means for retaining the rear end of such described portion, comprising a fixed pivot post provided with a slot across the outer end thereof, a collar rotatably mounted on said post and provided with a slot across the same normally in alignment with the slot in said post for receiving and binding the adjacent portion of said floss, a bar extended forward from said handle, an arm depended at right angles from the front end of



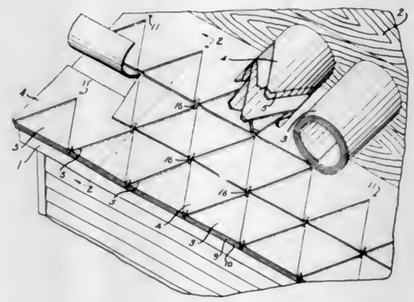
said bar for sustaining the front end of said floss, jaws spaced apart near the lower end of said arm, an angular block pivotally connected between said jaws in spaced relation therefrom and adapted to rock and bind a body of said floss near the outer end of such floss between corners of said block and jaws, to maintain a section of such floss taut between said binding post and block for use in cleaning teeth, and a cutting blade extended from said arm, adapted for severing surplus part of said floss beyond said block.

2,182,526

ASPHALT ROOFING

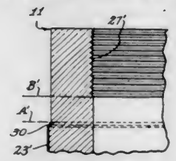
Paul Rumer, Washington Court House, Ohio, assignor of one-half to The Washington Lumber Company, Washington Court House, Ohio, a corporation of Ohio

Application April 25, 1938, Serial No. 204,149
3 Claims. (Cl. 108—7)



1. The method of constructing an improved roof comprising the steps of (*a*) laying elongated shingle strips upon a roof sheathing in the form of overlapping tiers, each tier comprising an under strip having a straight, smooth lower edge and a superimposed strip having a serrated lower edge, (*b*) matching the lower edges of the upper serrated shingle strips so that the depending shingle flap sections of the serrated strip will be disposed directly over the innermost cut-away section of the underlapping serrated shingle strip forming the adjacent shingle tier, (c) anchoring said shingle tiers to said sheathing at spaced places therealong in close proximity to said innermost cut-away sections, and (*d*) mechanically clamping the serrated and unserrated strips of adjacent shingle tiers together immediately next to the anchoring member so as to protect it from exposure to weathering conditions.

2,182,527
PUMP PLUNGER
Sumner B. Sargent, Jr., Los Angeles, Calif., assignor to Sargent Engineering Company, a corporation of California
Application June 6, 1936, Serial No. 83,876
3 Claims. (Cl. 309—4)

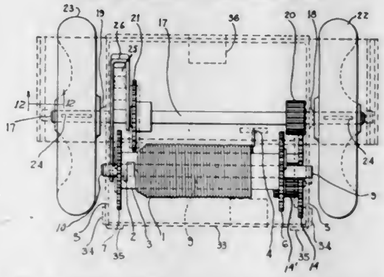


3. As an article of manufacture, a plunger for use in a pump comprising a tubular member having internally threaded end portions, having a portion of reduced diameter on the outer surface in the region of each end, and having an external coat of hard metal plate between said reduced portions, the ends of said coat being respectively located on said reduced portions whereby the end edges of said coat are of less diameter than the remainder of said coat.

2,182,528
STABILIZATION OF VINYL ACETATE
Gelu S. Stamatoff, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 29, 1938, Serial No. 222,068
3 Claims. (Cl. 23—250)

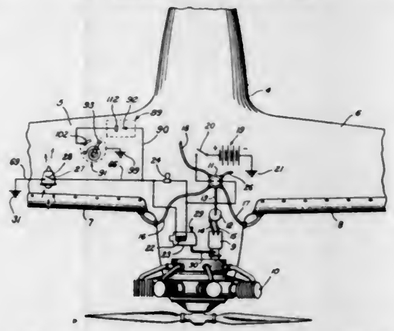
1. Method of inhibiting polymerization of monomeric vinyl acetate which comprises adding thereto, in inhibitor amounts, a substance selected from the group consisting of rosin and the copper, zinc, magnesium, aluminum, and cobalt resinates.

2,182,529
MECHANICAL MOTOR DRIVE
Clayton E. Wyrick, Dayton, Ohio
Application January 6, 1937, Serial No. 119,313
Renewed May 3, 1939
19 Claims. (Cl. 185—39)



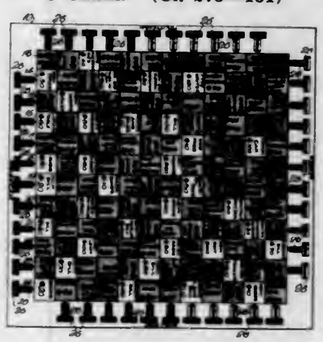
1. In a power drive mechanism, a power storage member, a driven member, and connecting means adapted upon movement of said driven member in one direction automatically to connect said power storage member to said driven member for storage of energy therein, adapted, upon completion of storage of energy, drivingly to connect said driven member to said power storage member, and adapted, upon dissipation of the energy in said power storage member, automatically to disconnect said driven member from said power storage member for free movement.

2,182,530
AUTOMATIC CONTROL FOR DEICING MECHANISM
Howard Baer, Jersey City, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application July 24, 1937, Serial No. 155,550
9 Claims. (Cl. 244—134)



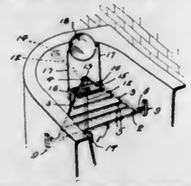
1. In an aircraft, de-icing mechanism for preventing ice accumulation on the exterior surface of said aircraft and for removing such ice as may have formed on said surface, and means responsive to the presence of the slightest trace of moisture in the air at freezing temperatures and to the ice formation resulting therefrom for automatically controlling said de-icing mechanism.

2,182,531
GAME
Roy A. Beard, Oaktown, Ind.
Application April 17, 1937, Serial No. 137,564
1 Claim. (Cl. 273—131)



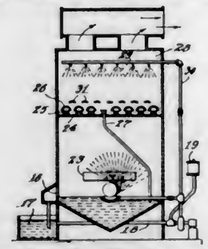
A gameboard having a square main playing field and a margin surrounding the same, said main playing field being composed of at least four clearly distinguished varieties of playing areas, said playing areas of one of said varieties having value indicia right-side-up to one edge of said playing field, the playing areas of the other three varieties having value indicia right-side-up to the other three edges of said playing field respectively, and means in said margin outside said main playing field defining goals of four different varieties clearly distinguished in the same manner as said playing areas and disposed along the four edges of said playing field, one variety of said goals having goal values marked thereon right-side-up to said one edge of said main playing field, the other three varieties of said goals having goal values marked thereon right-side-up to said other three edges of said main playing field respectively.

2,182,532
PEDICURE ACCESSORY FOR BATHTUBS
George B. Bentz, Bronx, N. Y.
Application August 8, 1938, Serial No. 223,738
11 Claims. (Cl. 4—185)



1. A bathtub accessory comprising a foot-rest for disposition in an inclined plane extending transversely of a bathtub, laterally adjustable supporting feet on the lower end of said foot-rest to abut the side walls of the tub, additional supporting means connected with the upper central portion of said foot-rest to contact with the tub, and a small tray also connected with said upper end of said foot-rest to hold pedicure implements.

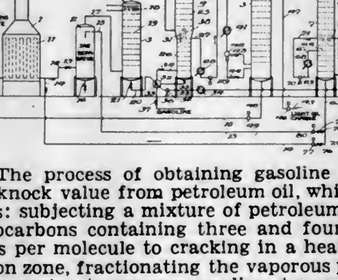
2,182,533
SPRAY TOWER
Reginald G. Bowman, Gary, Ind., assignor to Traughber Engineering Co., a corporation of Ohio
Application November 14, 1935, Serial No. 49,849
2 Claims. (Cl. 261—92)



1. In apparatus for the removal of fine particles from gases: a chamber provided with gas inlet and outlet ports, a dipping-trough in said chamber provided with a rotatable drum mounted to maintain contact with liquid in said trough and upon rotation cause the formation of a fine mist, a sump in the bottom of said chamber for accumulating said liquid and provided with liquid sealed overflow means adapted to drain the liquid with dirty froth produced by the gases to a separating pool exterior of the chamber, and means for cycling separated washing liquid and a froth free wetting agent from said exterior pool to the trough.

2,182,534
GYROSCOPE
Hermann Brandt, Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application December 9, 1937, Serial No. 179,028
In Germany December 10, 1936
10 Claims. (Cl. 74—5)

6. In apparatus of the class described, a gyroscope, a Cardan ring mounting for said gyroscope rotatable about a vertical axis, means mounting said gyroscope within said ring for rotation about a horizontal axis, a locking disc for said ring mounting, a cylindrical mounting for said disc coaxial with said vertical axis, said disc



being adapted for axial displacement on said mounting, plate means concentric with said disc attached to said ring mounting, means for locking said plate and disc, means for leveling said gyroscope, and toggle joint means for actuating said locking disc and leveling means.

2,182,535
SOUND ABSORBENT PLASTIC COMPOSITIONS
John Guy Britton, Lansdowne, Pa.
No Drawing. Application September 15, 1937, Serial No. 163,954
9 Claims. (Cl. 106—29)

4. A rigid, flame-proof and infusible, sound absorbent plastic composition including eight parts each of oxid and chlorid of the same metal, five parts of comminuted bagasse fiber, one and one-half parts of glue, and twenty parts of water, and comprising approximately fifty per cent voids, formed by occluded air.

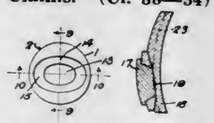
2,182,536
PROCESS FOR CONVERSION OF HYDROCARBON GASES AND OILS AND ABSORPTION SYSTEM THEREFOR
Gerald L. Eaton, Osborne, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 31, 1938, Serial No. 238,019
2 Claims. (Cl. 196—8)

1. The process of obtaining gasoline of high anti-knock value from petroleum oil, which comprises: subjecting a mixture of petroleum oil and hydrocarbons containing three and four carbon atoms per molecule to cracking in a heated conversion zone, fractionating the vaporous products of conversion to recover gasoline, tar and intermediate condensate contacting the remaining gases in a first absorber with said petroleum oil, prior to cracking the latter, to recover from said gases the bulk of the hydrocarbons containing three and four carbon atoms per molecule, and cracking the resultant mixture of oil and ab-

sorbed hydrocarbons as aforesaid, contacting gases leaving said first absorber with a portion of said intermediate condensate in a second absorber to absorb substantially all of the propane contained therein, together with some ethane, contacting a second flow of hydrocarbon gases in a third absorber with a further portion of said intermediate condensate to remove hydrocarbons containing three and four carbon atoms per molecule therefrom, introducing enriched condensate from said second absorber into said third absorber and thereby vaporizing ethane from the enriched condensate by the heat of absorption in said third absorber, withdrawing condensate enriched with hydrocarbons containing three and four carbon atoms per molecule but substantially free of hydrocarbons containing one or two carbon atoms per molecule from said third absorber, and recirculating said condensate into the cycle at a point intermediate said heated conversion zone and the point of recovery of said intermediate condensate from said products of conversion.

2,182,537
OPHTHALMIC LENS AND PROCESS OF MAKING THE SAME

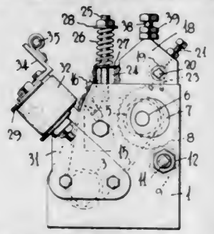
Otto G. Haussmann, Philadelphia, Pa.
Application October 15, 1937, Serial No. 169,286
3 Claims. (Cl. 88—54)



1. Button for ophthalmic lens comprising, an integrally fused core extending through a surrounding portion, of glass having different respective refractive indices, that of the core being greater, said button being essentially thicker than the finished thickness to which it will be reduced by grinding, said core being elliptical in transverse sections, the depthwise boundary wall between the core and the surrounding glass having a toric curvature, such that said wall slopes more gradually at the ends of the long axis of the core than at the ends of the short axis, whereby, by grinding identical buttons to different depths from one or both faces of said buttons, segments are produced having reading fields of different sizes.

2,182,538
MACHINE FOR OPERATING ON FRUITS AND THE LIKE

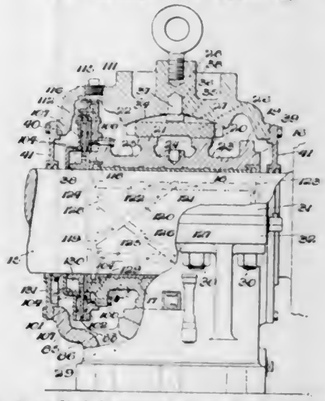
Thomas Bird Hitchens, Fruitland, Md., assignor to Ralph O. Dulany, Fruitland, Md.
Application April 30, 1938, Serial No. 205,327
6 Claims. (Cl. 146—55)



1. In a machine of the class described, the combination with pinching mechanism comprising a horizontal roller element and a cooperating element forming a bite therewith, of means for continuously rotating said elements, one of said elements being bodily movable and the other mounted on a fixed axis, and automatic means separate from said elements for periodically and momentarily positively moving the movable one of said elements bodily toward the other, to increase the pinching effect.

2,182,539
RADIAL BEARING

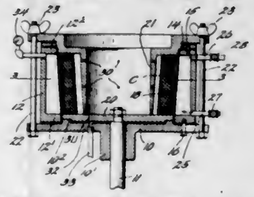
Harry A. S. Howarth, Philadelphia, Pa., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa., a corporation of Delaware
Application February 24, 1937, Serial No. 127,552
25 Claims. (Cl. 308—74)



1. In a radial bearing, in combination with a radial bearing shell provided with circumferentially extending ribs, a mounting for said shell including base and cap members, said mounting cooperating with the peripheral surface of one or more of the ribs of said shell, whereby said shell is mounted to flex axially, being supported only where the shell is circumferentially rigid, and said cap and base members having cylindrical surfaces of engagement whose axis is angularly related to the axis of the shell and which surfaces are adapted to transmit load and prevent relative axial and transverse movements between said cap and base members.

2,182,540
APPARATUS FOR MAKING ARTIFICIAL SILK

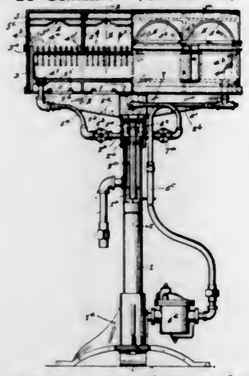
Joseph Lyall Hutchings, Newark, N. J., assignor to Brosites Machine Company, Inc., New York, N. Y., a corporation of New York
Application May 11, 1938, Serial No. 207,359
2 Claims. (Cl. 18—8)



1. Apparatus for use in the manufacture of artificial thread including a tubular mandrel, and a pressure chamber encircling the mandrel, the inner wall of the pressure chamber being spaced from the mandrel surface to permit introduction of a tubular thread cake between said wall and the mandrel, said wall comprising a flexible diaphragm adapted to engage all surfaces of the cake when deflected inwardly by increase in pressure in said chamber.

2,182,541
TOE SOFTENER

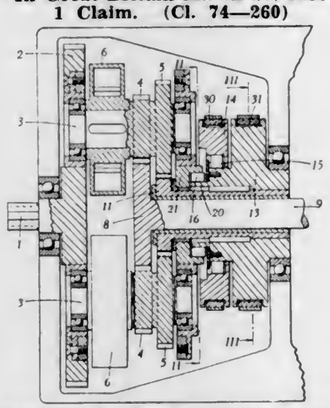
Charles Earl Martin, Binghamton, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application November 11, 1937, Serial No. 174,115
18 Claims. (Cl. 12—1)



1. A toe softener comprising a base, a casing on said base, an expansion chamber adjacent the base, a radiator mounted upon the base within the casing, a hood above the radiator having a wall provided with an opening and forming a chamber in which the toe of a shoe to be treated is inserted, means for supplying steam to the expansion chamber and radiator, the hood having an inner wall parallel with the front wall thereof and provided with an opening for admission of the shoe toe, and a vent to the atmosphere for the space between the walls at the end opposite the opening.

2,182,542
CHANGE SPEED MECHANISM

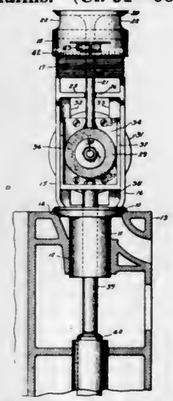
Pietro Mattia, Embabeh, Cairo, Egypt
Application March 22, 1937, Serial No. 132,376
In Great Britain March 25, 1936
1 Claim. (Cl. 74—260)



An epicyclic transmission gear comprising a driving shaft, a planet carrier on said driving shaft, a pair of planet pinions of different diameters constrained to rotate together mounted on said planet carrier, a pinion on said driven shaft meshing with the smaller of said planet pinions, a toothed reaction wheel meshing with the larger of said planet pinions, a free-wheel device preventing rotation of said reaction wheel in the direction opposite to that in which said planet carrier rotates, a free-wheel device allowing rotation of said reaction wheel in the direction in which said planet carrier rotates only at a speed which is not in excess of that of said planet carrier, means for putting said first mentioned free-wheel device out of action and means for preventing, when desired, rotation of said reaction wheel in either direction.

2,182,543
VALVE STEM GRINDING TOOL

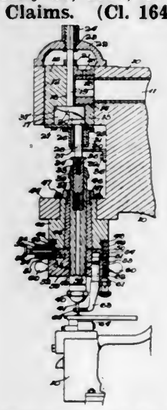
Paul Murrah, Corinth, Miss.
Application February 17, 1939, Serial No. 257,004
11 Claims. (Cl. 51—98)



5. A valve stem grinding tool comprising a frame having a base adapted to co-operatively rest on the valve seat of an engine cylinder block, a template on said frame for co-operatively receiving a valve, a grinding disk slidably arranged on said frame member and movable in the axial direction with respect to the stem of said valve and into engagement therewith and means for automatically positioning said grinding disk with respect to said template in accordance with the distance from the valve seat to the corresponding tappet in said cylinder block.

2,182,544
NIBBLING MACHINE

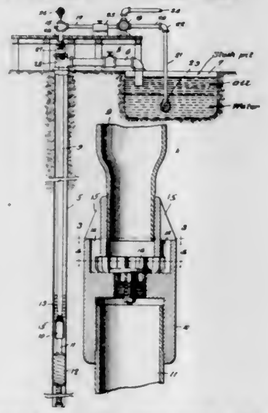
James A. Murrian, Kenneth J. Chapman, and Weston M. Fulton, Knoxville, Tenn., assignors to W. J. Savage Company, Inc., Knoxville, Tenn., a corporation of Tennessee
Application May 20, 1937, Serial No. 143,844
15 Claims. (Cl. 164—47)



1. In a nibbling machine in combination with

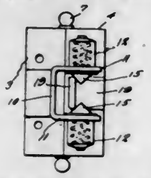
a frame, an eccentric, a cross head carried by said eccentric and mounted for reciprocation in said frame, a ram actuated by the motion of said cross head, and rotary cam means operable during the reciprocation of said cross head for engaging said cross head and said ram.

2,182,545
OIL WELL APPARATUS
Jefferson D. Pace, Shreveport, La.
Application February 5, 1937, Serial No. 124,301
4 Claims. (Cl. 103—260)



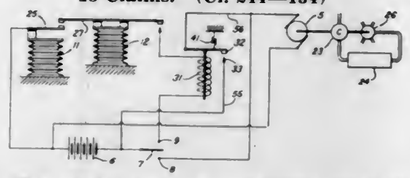
1. An apparatus for removing oil from oil wells, comprising a well casing having an oil screen, well tubing extending into the well casing, sealing means on the tubing and adapted to seal the casing below the screen, means for directing water to the well tubing and discharging the water into the well casing at a point below the screen, and means for heating the water prior to its passage into the well tubing.

2,182,546
HINGE
Thomas E. Raymond, Zanesville, Ohio
Application August 5, 1938, Serial No. 223,337
Renewed October 20, 1939
1 Claim. (Cl. 16—140)



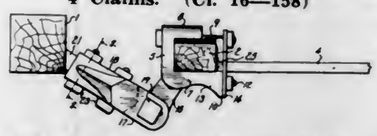
A hinge comprising a pair of plate-like leaves pivoted together at edges thereof for opening and closing movement, devices on the opposite edges of said leaves, respectively, coacting under closing movement of said leaves to yieldingly latch the same together with a snap action against opening movement, said devices comprising a U-shaped bracket mounted on said opposite edge of one leaf and including a pair of upper and lower horizontal bearing ears, a pair of cylindrical housings extending oppositely from said ears, respectively, vertically in axial alignment, a pair of spring pressed conical latches in said housings, respectively, adapted for relative separative movement and projecting through said ears, and a plate-like vertically disposed keeper on said opposite edge of the other leaf fitting between said ears with a slight clearance and adapted to wipe past said latches.

2,182,547
AUTOMATIC CONTROL FOR DEICING MECHANISM
Lawrence F. Tumey, Baldwin, N. Y., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application August 10, 1937, Serial No. 158,406
15 Claims. (Cl. 244—134)



5. The combination, with exposed surfaces of an aircraft, of means including motor operated fluid distributor means for preventing ice accumulation on said surfaces, said means further including a source of current and an electric circuit connecting said source with said motor operated means, circuit controlling switch members in said circuit, means normally holding said switch members in open circuit position, moisture responsive means for moving one of said switch members toward the other, temperature responsive means for producing concurrent movement of said second switch member either toward or away from the first switch member, the direction of movement being in accordance with the direction of temperature change, and means including a third switch member for causing said circuit to remain open at all temperatures above freezing, regardless of the amount of movement of said moisture and temperature responsive switch member.

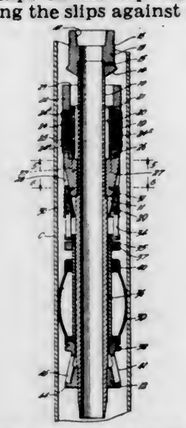
2,182,548
GATE HINGE
Charles W. Bash, Kansas City, Kans.
Application April 18, 1938, Serial No. 202,626
4 Claims. (Cl. 16—158)



2. A hinge for swingingly supporting a gate from a post or the like at one side of an opening to be closed by the gate, including a pin adapted for projecting support from the post, a pair of hinge members, means attaching one of said members to a stile of the gate, a clamp-like sleeve on said other member to clampingly engage said pin and having spaced ears offset vertically with respect to said pin, said member attached to the stile having an ear engaging between the spaced ears of the other member, and means hingedly connecting said ears.

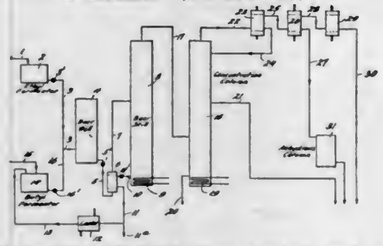
2,182,549
PACKER
Joseph O. Brumbly, Los Angeles, Calif., assignor to R. E. Kline
Application October 12, 1938, Serial No. 234,612
3 Claims. (Cl. 166—1.2)

1. A well packer comprising a mandrel, a slip cone mounted on the mandrel, packing means supported on the slip cone, means providing a valve seat on the packing means by which the packing means may be compressed and thus laterally expanded, there being provision for flow up through the slip cone, packing means, and valve seat, a valve on the mandrel adapted to seat on the valve seat, slips on the slip cone, slip holding means for holding the slips against vertical move-



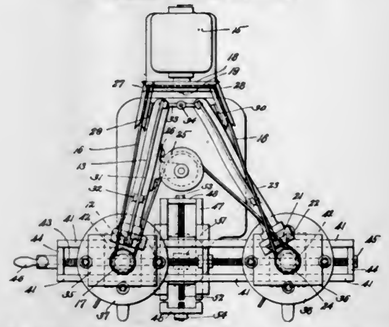
ment with respect to the slip cone when the slip cone is lowered by the mandrel, and means for holding the slip holding means against vertical movement with respect to the mandrel while the device is being lowered into a well, comprising means providing an upwardly tapered thread on the mandrel, and means providing a resilient split nut on the slip holding means engageable therewith.

2,182,550
METHOD OF PRODUCING ALCOHOLS
Leo M. Christensen, Atchison, Kans., assignor to The Chemical Foundation, Incorporated, New York, N. Y., a corporation of Delaware
Application July 9, 1937, Serial No. 152,671
4 Claims. (Cl. 195—13)



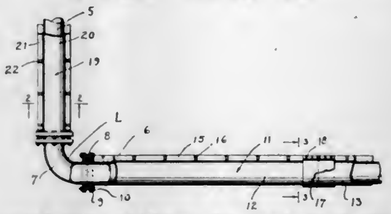
4. A method of producing alcohol and other valuable products from amylaceous starting material which comprises fermenting a saccharified amylaceous mash in a fermenter with *Saccharomyces cerevisiae* to produce ethyl alcohol therefrom; distilling the products of fermentation in a distillation zone to recover a concentrated aqueous alcohol; passing the residue from the distillation zone to a second fermenter and adding to the residue in such fermenter an amylaceous mash; inoculating the material in the second fermenter with *Clostridium acetobutylicum* to produce ethyl alcohol, butyl alcohol and acetone; passing the products of conversion from the second fermenter, together with the products of conversion from the first fermenter, to the said distillation zone for co-distillation therein; fractionating the distilled vapors to recover a concentrated aqueous ethyl alcohol substantially free from higher alcohols and acetone; then subjecting the concentrated aqueous ethyl alcohol to dehydration to produce anhydrous alcohol.

2,182,551
MACHINE TOOL
Herbert E. Edwards, Wellesley, Mass.
Application October 6, 1936, Serial No. 104,245
Renewed April 22, 1939
6 Claims. (Cl. 90—19)



1. A machine tool having, in combination, a pair of operating tools, means for supporting work for the operation of the tools, and mechanism manually guided and operated for relatively shifting the operating tools and the work to transfer the points of operation of the tools in any direction over the work and reversely in at least one fixed direction.

2,182,552
SHEET METAL REINFORCING JACKET FOR LEAD PIPES
William Elsby and Casey Kalishe, Milwaukee, Wis., assignors to Crown Metal Company, Inc., Milwaukee, Wis.
Application February 5, 1938, Serial No. 188,859
1 Claim. (Cl. 138—64)



A reinforcing stiffener for preformed pipe of lead or like non-corrosive material, said stiffener comprising a relatively thin bendable metallic sheet drawn about said pipe, as a core, to radially confine and brace the same, the included pipe-core reacting on said embracing sheet to sustain the latter against buckling, whereby said pipe and sheet coact to form a unit highly resistant to bending.

2,182,553
PROCESS FOR TREATING ARTIFICIAL CASEIN FIBERS
Marino Fortunato, Milan, Italy, assignor to "Montecatini" Società Generale per l'Industria Mineraria e Chimica, Milan, Italy, a corporation of Italy
No Drawing. Application November 28, 1938, Serial No. 242,766. In Italy December 29, 1937
2 Claims. (Cl. 8—55)

1. The process for preparing artificial fibers

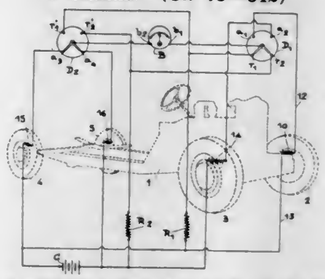
produced from casein for dyeing with chrome dyes, which comprises treating the fibers with a dilute aqueous monosodium phosphate solution.

2,182,554

BRAKE ADJUSTMENT INDICATING DEVICE

Jean Baptiste Paul Henri Galle, Sceaux, France

Application September 9, 1937, Serial No. 163,100
In France October 8, 1936
2 Claims. (Cl. 73—342)



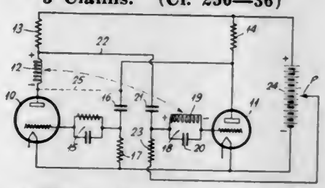
1. In a vehicle having four wheels individually provided with brakes, the combination of an electric circuit forming a modified Wheatstone bridge comprising four resistances responsive to temperature variation, each of said resistances being respectively associated with a brake, a source of electric current arranged in one of the diagonals of said bridge, two fixed resistances each having one end connected to one of the ends of said diagonal, a galvanometer arranged in the second diagonal, and switch means respectively arranged at the ends of said second diagonal, in order for each to connect, on the one hand, the respectively corresponding end of said second diagonal in a first position to the resistances of the bridge adjacent to said end of the second diagonal, and on the other hand, in a second position to two free ends of the fixed resistances.

2,182,555

SAW-TOOTH WAVE GENERATOR

Max Geiger, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 24, 1937, Serial No. 155,456
In Germany July 27, 1936
3 Claims. (Cl. 250—36)



3. An oscillation generator comprising a pair of thermionic discharge tubes having anode, cathode and at least one control electrode, a resonant circuit connected in the grid-cathode circuit of the first of said thermionic discharge tubes, a resistor connected in series with said resonant circuit, an inductive member connected in the anode-cathode circuit of said tube, resistive means connected in series with said inductive member, a condenser for coupling the grid of said first tube to the anode-cathode circuit of the second thermionic discharge tube, a resonant circuit connected in the grid-cathode circuit of the second thermionic discharge tube, a resistor connected in series with said resonant circuit, means for energizing the anodes of said tubes, a connection between the last named resistive and a point on said supply having a positive potential with respect to the cathode of the second tube, means coupling the grid of the second tube to the anode of the first tube, a resistor connected in the anode-cathode circuit of the second thermionic discharge tube, and an inducive member connected in the anode-cathode circuit of the second tube.

2,182,556

METHOD AND APPARATUS FOR PRESERVATION OF PERISHABLE FOODSTUFFS

Donald W. Griswold, Bridgeton, N. J.

Application April 20, 1937, Serial No. 137,950
8 Claims. (Cl. 62—102)



4. The method of freezing foodstuffs which consists in substantially continuously moving individual pieces of fruit or vegetables in heat exchange relationship with a refrigerating medium for freezing the pieces of fruit or vegetables individually, subjecting the pieces of fruit or vegetables to a blast of cooled air at the start of their movement in heat exchange relationship with the refrigerant medium to quickly form a frozen outer crust on the pieces of fruit or vegetables, and agitating the pieces of fruit or vegetables to cause a tumbling movement thereof during their movement in heat exchange relationship with said refrigerating medium.

2,182,557

ALKYLATION OF NAPHTHENES

Aristid V. Grosse, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 9, 1937, Serial No. 158,202
4 Claims. (Cl. 260—666)

1. A process for the production of alkyl derivatives of naphthene hydrocarbons having at least six carbon atoms in the ring which comprises reacting the naphthene hydrocarbon with a cycloparaffin having less than 5 carbon atoms in the ring in the presence of a metal halide and a hydrogen halide.

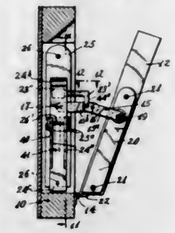
2,182,558

AUTOMATIC SELF-CLOSING WINDOW VENTILATOR

Edward C. Hassildine, Queens Village, N. Y.

Application April 6, 1938, Serial No. 200,352
7 Claims. (Cl. 98—1)

1. An automatic self-closing window ventilator, comprising a frame for engagement at a window opening, a panel hingedly mounted at its bottom edge on said frame and capable of extending across said frame to close same, a pair of links pivotally connected at their inner ends and pivotally connected at their outer ends to said panel and frame respectively and adapted to fold closed when the panel closes said frame, resilient means for urging the panel against said frame to close same, a finger rigidly adjustably mounted on the link adjacent said panel, a hook pivotally mounted on said frame and cooperative with said finger to releasably hold the finger to hold the panel



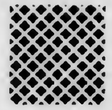
open, and clock controlled means for pivoting said hook to release said finger so that the resilient means moves said panel to close said frame.

2,182,559

PHOTOGRAVURE PRINTING PLATE AND METHOD OF AND APPARATUS FOR PRODUCING THE SAME

Charles L. Henderson, Appleton, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin

Application October 16, 1936, Serial No. 105,852
6 Claims. (Cl. 95—5.7)



1. An etched intaglio printing surface having in its printing surface ink receiving recesses of substantially uniform depth and of area varying in accordance with the tone depth in the subject to be reproduced, said recesses being substantially rectangular in outline and substantially corresponding in location and arrangement to both the black and the white squares of a black and white checkerboard, said surface having continuous, solid, un-etched portions separating all of said recesses and providing a continuous surface over which a doctor blade may ride, said un-etched portions being in the form of two perpendicularly intersecting sets of spaced, parallel, continuous lines of material of sufficient width in the portions of said surface corresponding to the deepest tones of said subject to support a doctor blade and varying in width in the other portions of said surface substantially inversely proportional to the tone depth of corresponding portions of said subject, so that the full range of tones in said subject may be reproduced.

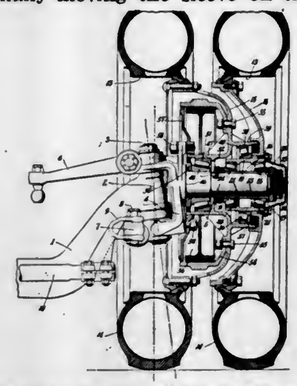
2,182,560

DUAL WHEEL ASSEMBLY

James F. Higbee, Detroit, Mich.

Application October 23, 1936, Serial No. 107,123
Renewed May 13, 1939, Serial No. 107,123
7 Claims. (Cl. 280—96.1)

1. In a dual wheel assembly for a motor vehicle, in combination an axle, a spindle connected to said axle, a non-rotatable sleeve encircling said spindles and slidable therealong, two independently rotatable wheels, bearings for said wheels mounted side by side the bearings for one wheel being mounted on the sleeve while those for the other wheel are mounted on the spindle and on a part of the first wheel, means for maintaining the bearings for said one wheel in fixed longitudinal position on said sleeve, and means for longitudinally moving the sleeve on the spindle



to regulate the position of the bearings for both wheels.

2,182,561

BELL-CRANK LEVER FOR HAND BRAKES FOR RAILWAY CARS

Jacob Alvin Hyle, Chicago, Ill., assignor to Champion Brake Corporation, Chicago, Ill., a corporation of Delaware

Application August 9, 1937, Serial No. 158,222
4 Claims. (Cl. 74—518)

1. In combination with brake mechanism for railway cars, a bell-crank lever having a movable arm pivotally connected to one lower end portion thereof, an outwardly extended member adjacent said movable arm within which is secured a chain link, means for connecting the arm to a vertically disposed tension member, and a member forming an integral part of the lever and extended from each side of the body portion of the lever for limiting the movement of said movable arm by contact therewith.

2,182,562

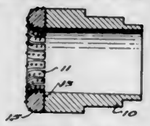
CORE BIT

Charles J. Koebel, Detroit, Mich.

Application January 23, 1937, Serial No. 121,935
Renewed November 3, 1938
2 Claims. (Cl. 255—72)

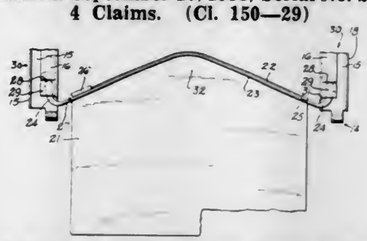
1. A core bit comprising a tubular body, the tubular wall of said body being rounded in radial cross section at one end and provided with

transverse slots therethrough, segmental slugs seated in said slots and conforming in contour to the inner and outer walls of said tubular body as well as to the radially rounded cross section of



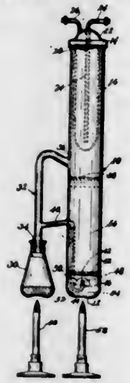
said tubular wall, said slugs forming with the intervening end portions of said tubular body a nose for the core bit, said slugs comprising sintered comminuted metal alloy each having embedded therein a plurality of cutting stones.

2,182,563
PURSE MOUNTING FOR HANDBAGS
George Landberg, New York, N. Y.
Application September 10, 1938, Serial No. 229,249
4 Claims. (Cl. 150—29)



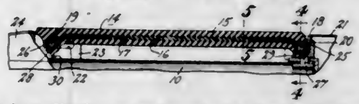
1. A purse mounting for handbags, including a frame for a bag body, having inverted U-shaped channel frame members providing pivotally interconnected arms, a purse within the bag body, having a slide fastener closure, the latter providing stringers projecting beyond the end portions of the purse, said stringer end portions being clipped to the frame members within the channels thereof adjacent to the pivot points so that each of said arms secures one of said end portions to support the purse in central relation to the frame, and the end portions of the purse being otherwise free of the frame.

2,182,564
EXTRACTION PROCESS
Samuel L. Leiboff, New York, N. Y.
Application July 10, 1937, Serial No. 153,069
4 Claims. (Cl. 167—74)



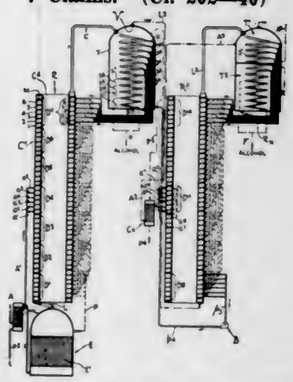
1. An extraction process according to which a liquid containing a substance to be extracted is treated with a solvent for said substance, which method comprises placing in a first vessel a quantity of said liquid and a quantity of a liquid solvent for said substance, which solvent is immiscible with said liquid and has a higher specific gravity and a lower boiling point than the latter, placing a quantity of said liquid solvent in another vessel, heating said solvents in both vessels whereby said solvents are vaporized and the vaporized solvent in said first vessel passes upwardly through said liquid containing the substance to be extracted, passing the vapor from said other vessel into said first vessel above the liquid therein, condensing the vapors in said first vessel above said liquid therein whereby the solvent thus condensed passes by gravity through said liquid and forms a solution of said substance, and withdrawing said solution of the extracted substance from said first vessel into said other vessel.

2,182,565
HANDLE
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application May 5, 1938, Serial No. 206,186
5 Claims. (Cl. 16—115)



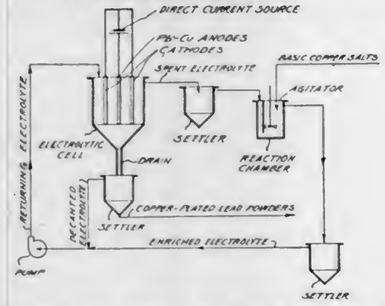
1. A handle for a vacuum cleaner including end pins, sheet fabric tightly secured around said end pins and forming a connection between said pins, said fabric consisting of an endless belt with all parts between said pins secured tightly together, said belt having a straight center section and being inclined downwardly at the ends to form an arch, and a soft rubber covering molded around said fabric having depending ends through which the pins pass, said fabric constituting the sole stiffening means of the handle, said fabric being internally strained within the rubber covering for supporting the center part of the handle.

2,182,566
CENTRIFUGAL RECTIFICATION
Juan Loumiet y Lavigne, Playa de la Teja, Itabo, Cuba
Application July 13, 1937, Serial No. 153,371
In Cuba December 19, 1936
7 Claims. (Cl. 202—40)



1. The process of rectification concurrently with an operation of distillation; which process consists in the step of causing the vaporous products which are to be rectified to flow at a great velocity through the successive convolutions of a coil which is curvilinear in part at least; the step of injecting the rectifying liquid into said coil preferably at a part of its section toward the axial center of the coil, thus causing the atomization of said liquid by the stream of the vapor to be rectified, and by virtue of said operation effecting the intimate mixture of said vapor and said liquid, and the rectification of both; and as a concurrent step, effecting the separation of the rectified liquid in the curvilinear part of the coil by subjecting the vapor and liquid concurrently to an adequate moment of centrifugal force; the further step of extracting the separated rectified liquids by means of exterior drains which empty them from the system, and the step of thereafter effecting a new injection of a rectifying liquid richer in volatile constituents than the first preparatory for effecting a new rectification.

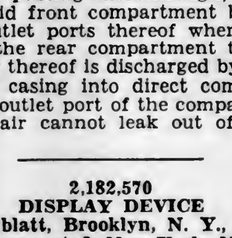
2,182,567
PRODUCTION OF METAL POWDERS
Charles Leigh Mantell, Manhasset, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware
Application November 27, 1936, Serial No. 112,928
8 Claims. (Cl. 204—1)



1. In the manufacture of copper-coated lead powder in which copper is plated from a solution upon particles of lead, the improvement which comprises passing a direct current through an aqueous acetate electrolyte containing acetic acid and relatively large proportions of copper and of lead in solution in an electrolytic cell containing a cathode, a lead anode, and a copper anode, maintaining the cathode current density in excess of that at which lead deposits from the electrolyte in massive form so that the lead deposits from the electrolyte as substantially non-adherent fine particles and said particles become plated with copper from the solution and controlling the ratio of copper to lead in the resulting copper-coated lead particles by varying the ratio of exposed copper anode surface in the solution to exposed lead anode surface in the solution.

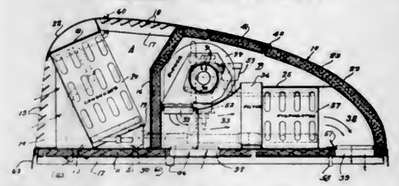
2,182,568
SCREW
Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application April 15, 1937, Serial No. 137,015
4 Claims. (Cl. 85—45)

1. A screw provided with a head having a flat upper surface and a plurality of intersecting, relatively shallow recesses, each of said recesses being provided with flat, parallel side walls and a concave bottom surface extending from and to said flat upper surface at points spaced inwardly of the periphery of the screw head to receive a driver bit with wings of like shape, the head



of the screw having a central recess extending below said intersecting recesses at their point of intersection to receive a bottom projection on the driver bit to center said bit in said intersecting recesses.

2,182,569
ROOF MOUNTED AIR CONDITIONER
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application January 21, 1937, Serial No. 121,449
7 Claims. (Cl. 62—117)

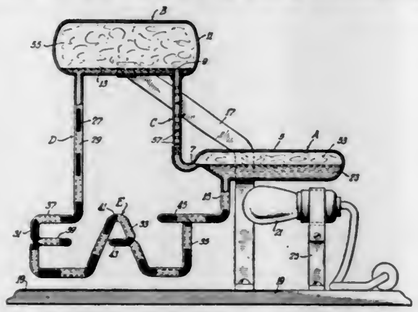


7. An air conditioning unit comprising a housing adapted to be mounted on top of the roof of a vehicle, front and rear compartments in said housing, said housing having an opening therethrough giving entrance to said rear compartment, a closure for said opening, said front and rear compartments each having separate air inlet and air outlet ports, a casing in said rear compartment having an outlet port directly communicating with the outlet port of the compartment, a blower having a discharge port communicating with the interior of said casing and an intake port adapted to receive air from the air inlet port of said rear compartment, a heat exchanger in said casing in heat exchange relation with air passing therethrough, and a condenser in said front compartment between the inlet and outlet ports thereof whereby air received into the rear compartment through the inlet opening thereof is discharged by the blower through the casing into direct communication with the air outlet port of the compartment and conditioned air cannot leak out of said compartment.

2,182,570
DISPLAY DEVICE
Philip Rosenblatt, Brooklyn, N. Y., assignor to Biolite Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1937, Serial No. 124,624
Renewed May 2, 1939
12 Claims. (Cl. 40—130)

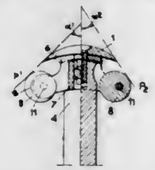
1. A display device comprising conduit means defining a single complete circuit and including vaporizing and condensing chambers for a liquid, connecting means extending between the said

chambers for conducting vapors and liquid from the vaporizing chamber to the condensing chamber, and a light transmitting tube connecting the condensing chamber to the vaporizing chamber, means for heating the vaporizing chamber, and



a low boiling liquid within the circuit adapted to be circulated continuously thermo-syphonically by the heating means through the said circuit upon application of vaporizing heat to the vaporizing chamber.

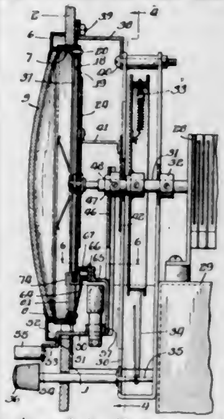
2,182,571
SAFETY RAZOR
Jean-Baptiste Raoul Savary, Paris, France
Application August 23, 1937, Serial No. 160,390
In France April 7, 1937
14 Claims. (Cl. 30—83)



5. In a safety razor in which the blade is held, in its medial region, between a cap and a seating member, in combination: a support, two elements forming guards and rotatably mounted on said support, each element being constructed as a cam with a longitudinal bore and a helical groove, a cursor engaged in each bore and constructed with a nose engaged in the corresponding helical groove, each cursor being constructed with a tapped eccentric perforation, a threaded rod for each cursor, each threaded rod being engaged in the tapping of the corresponding cursor and rotatably mounted, so that the rotation of each rod produces only a translation of the corresponding cursor and consequently a rotation of the corresponding cam element.

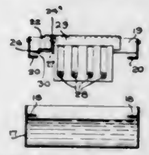
2,182,572
RADIO TUNING INDICATOR
William J. Schnell, Berwyn, Ill., assignor to Electrical Research Laboratories Inc., Chicago, Ill., a corporation of Illinois
Application May 15, 1937, Serial No. 142,863
12 Claims. (Cl. 250—20)

10. In a tuning indicator for a radio receiver, a tuning element, means for operating said tuning element, a plurality of spaced marking devices, each of said devices indicating the position to which the tuning element should be moved to tune the receiver to a selected station, luminous indicating means, and means controlled by said marking devices for energizing said luminous indicating means to indicate that the receiver has



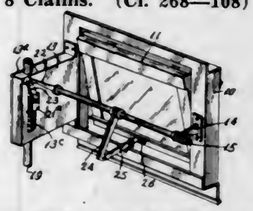
been properly tuned to the desired one of said selected stations.

2,182,573
YARN MOISTENING APPARATUS
Joseph Amon, Clark, N. J.
Application May 4, 1939, Serial No. 271,708
5 Claims. (Cl. 68—19)



1. In a yarn moistening device for a full-fashioned knitting machine, in combination, a rectangular container for a liquid yarn wetting agent, a readily removable rectangular frame member supported by said container, and means carried by said frame member for supporting a plurality of longitudinally extending floats within said container for guiding yarns through said liquid.

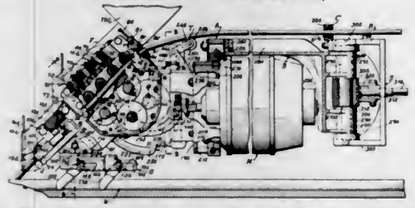
2,182,574
LIFTING MECHANISM FOR SKYLIGHTS AND THE LIKE
Max Anchilowitz, New York, N. Y.
Application April 14, 1939, Serial No. 267,937
8 Claims. (Cl. 268—108)



1. A lifting device for skylights and the like, comprising a frame, a transom hingedly mounted in said frame, a casing mounted on one side of said frame, a bearing mounted on the other side of said frame, a shaft extending across said transom and rotatively mounted on said casing and said bearing, a screw rotatively mounted in said casing, manually operable means for rotating said screw, a follower on said screw,

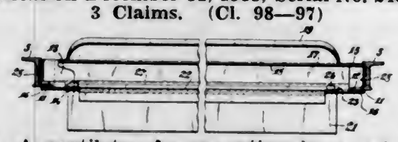
radial arms on said shaft, a link pivotally connected with said follower and one of said radial arms, and another link pivotally connected with another one of said radial arms and said transom to move the transom when said screw is turned.

2,182,575
ELECTRIC WELDING APPARATUS
Albert William Baird, Elizabeth, N. J., and Frederick Gurnee Outcalt, New Rochelle, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application August 7, 1937, Serial No. 157,868
20 Claims. (Cl. 219—8)



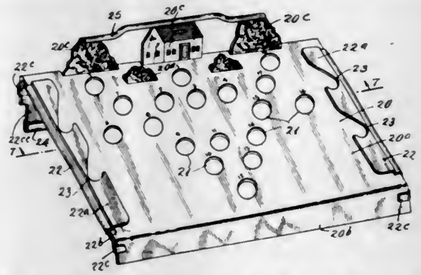
1. In combination, a wire rod straightening and feeding mechanism; a gear housing adjustably connected thereto; a motor fixedly secured to said gear housing; a mounting for said motor; and means for adjusting said motor, mechanism and housing as a unit relatively to said mounting about the armature axis of said motor.

2,182,576
CASEMENT WINDOW VENTILATOR
Joseph C. Bancroft, New York, N. Y.
Application December 31, 1938, Serial No. 248,759
3 Claims. (Cl. 98—97)



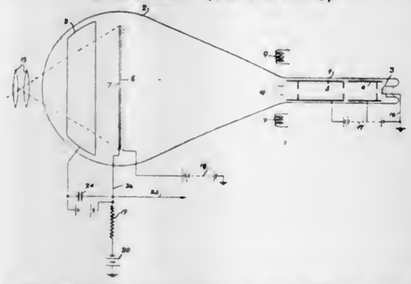
1. A ventilator for mounting in a swinging casement sash frame of the usual Z bar cross-section with inwardly projecting flanges at the inner face of the frame, said ventilator being of unitary construction and insertable as a single unit in such a sash frame, said ventilator comprising a box casing of substantially the depth of such Z bar sash frame, said casing including inside and outside walls, top and bottom walls connecting said inside and outside walls in spaced relation, said bottom wall being longitudinally recessed adjacent said inside wall to fit over the inside upstanding flange of the bottom bar of the sash frame, said top wall having a seat and a flange at the back of the same for glazing of the window, said top wall being notched inwardly from the ends of the same adjacent said inside wall to receive the inwardly projecting inside flanges of the side bars of the sash frame and the inside wall having portions engageable over the inner faces of said inside flanges, whereby said casing may be mounted by simply engaging the same over said bottom and side flanges of a casement sash frame and be thereby secured in position to seat and support the glazing in said frame, said inside and outside walls of the casing having openings therethrough providing a ventilating passage, screening across said ventilating passage, a downwardly extending rain excluding louvre over said opening in the outer wall and a regulatable closure for the opening in said inside wall of the casing.

2,182,577
MARBLE GAME
Walter Becker, Newark, N. J.
Application March 1, 1939, Serial No. 259,147
5 Claims. (Cl. 273—127)



5. A marble game, comprising a relatively stiff sheet of material formed with a plurality of openings through which marbles may pass, and flanges upon said sheet arranged for holding the same in elevated position and arranged to form stops and guides for the marbles, along the sides and front, the flanges at the sides being formed with alcoves for receiving and holding marbles.

2,182,578
TELEVISION TRANSMITTING SYSTEM
Alan Dower Blumlein and James Dwyer McGee, Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application August 2, 1935, Serial No. 34,304
In Great Britain August 3, 1934
9 Claims. (Cl. 178—7.2)

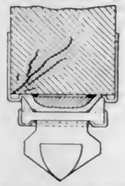


1. Television transmitting apparatus comprising a mosaic screen which includes a signal plate and a multiplicity of photo-electrically active mosaic elements insulated from one another and from said signal plate, means for projecting an optical image of an object to be transmitted on to said screen to cause emission of photo-electrons from said elements, an anode for receiving said photo-electrons, electrical switching means for scanning said screen by a beam of electrons, an impedance electrically connected with said signal plate and across which the picture signal voltages to be transmitted are developed, and a circuit which connects said anode to said signal plate and does not include any substantial part of said impedance.

2,182,579
FLEXIBLE SUPPORTING CONNECTION
John Fletcher Bolton and Arthur Birch, Bolton, England
Application November 21, 1936, Serial No. 112,006
In Great Britain April 8, 1936
5 Claims. (Cl. 72—101)

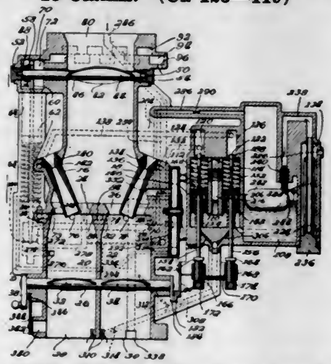
1. A flexible support for a wood floor upon a

concrete floor bed, comprising a solid block of india-rubber having slits at opposite side edges thereof, a metal grip holding said block below



and also holding in said concrete, a metal cradle above said block for attachment to a floor joist, said metal cradle having inturned fang edges engaging the slits at opposite sides of the block.

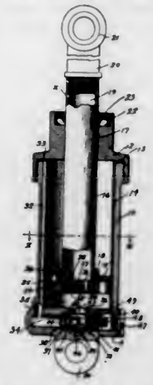
2,182,580
CARBURETOR
Robert F. Bracke, Chicago, Ill.
Application January 16, 1936, Serial No. 59,327
18 Claims. (Cl. 123—119)



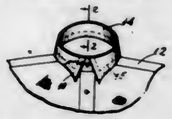
1. In a carburetor of the class described, the combination of a pair of fuel feeding nozzles, a separate mixing chamber for each nozzle, a secondary Venturi tube defining the inlet to each mixing chamber, a common inlet for secondary air, a valve controlling said last-named inlet, and means for shifting the position of said valve in accordance with the mean of the variations in suction occurring at the throats of said secondary Venturi tubes.

2,182,581
HYDRAULIC SHOCK ABSORBER
Anthony B. Casper, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application March 15, 1937, Serial No. 130,850
5 Claims. (Cl. 188—88)

1. In a direct acting hydraulic shock absorber, a cylinder structure, a piston in said cylinder structure having a piston rod extending therefrom, said piston rod being hollow to provide hydraulic fluid reservoir space, a fluid passageway through the piston and a check valve closing said passageway during outward movement of the piston in the cylinder structure, a cross wall in the inner end of the piston rod having an orifice therethrough and a passageway, a check valve permitting flow through said cross wall passageway during outward movement of the piston but closing said cross wall passageway against flow during inward movement of the piston, a channel extending through the cylinder structure for connecting the outer end of the cylinder with the inner end thereof, and a metering valve interposed in said channel for metering the flow during outward movement of the piston in the cylinder structure.



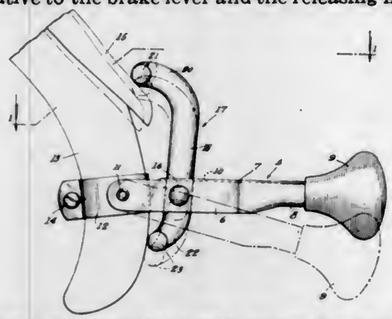
2,182,582
ANTISOIL PROTECTOR FOR MEN'S COLLARS
Theodore Cohen, Bronx, N. Y.
Application August 19, 1938, Serial No. 225,671
2 Claims. (Cl. 2—60)



1. An adjustable double collar for men's shirts comprising, in combination, a main collar, said main collar including a neck band portion, and a flap portion, and a detachable auxiliary collar, said auxiliary collar including a neck band portion, a flap portion, with a fold line therebetween providing a top edge, the lower free edge of the flap portion of said auxiliary collar having an inwardly turned flange running therealong for engaging over the lower free edge of the flap portion of said main collar, the lower free edge of the neck band portion of said auxiliary collar having a plurality of separable fastening elements therealong, and a plurality of horizontally disposed vertically spaced rows of complementary separable fastening elements secured along the inner face of the neck band portion of said main collar whereby the location of the fold line of the auxiliary collar may be selectively varied in accordance with the height on the main collar of the row of complementary fastening elements selected for engagement with the fasteners on the auxiliary collar.

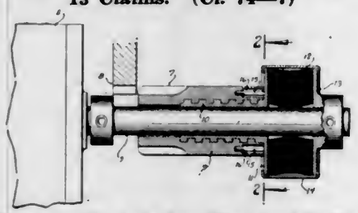
2,182,583
HAMMER TYPE BRAKE LEVER EXTENSION
Joseph Fischer, New York, N. Y.
Application June 11, 1938, Serial No. 213,118
10 Claims. (Cl. 74—479)

1. An extension device for use in connection with a brake lever and the releasing means thereof comprising an operating lever adapted to be pivotally associated with the brake lever and a tripping member pivotally connected with said operating lever and provided with bearing portions adapted to abut against the brake lever and the releasing means thereof whereby movement of said operating lever slides said tripping member relative to the brake lever and the releasing means



thereof and simultaneously moves the latter toward the former.

2,182,584
ENGINE STARTER
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application January 13, 1938, Serial No. 184,809
13 Claims. (Cl. 74—7)



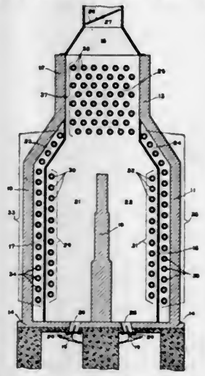
1. In an engine starter, the combination with a power driven shaft, a pinion slidable along the shaft into mesh with a ring gear and means to propel the pinion along the shaft into mesh with the ring gear and retract the same out of mesh with the ring gear upon starting of the engine: of magnetic means for attracting and releasably holding the pinion in its retracted position.

2,182,585
CAMERA FILTER
Lewis J. G. Green, Jackson Heights, N. Y.
Application April 20, 1938, Serial No. 203,007
2 Claims. (Cl. 95—81.5)



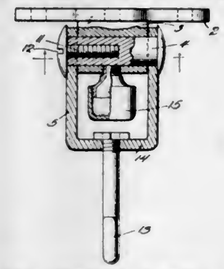
1. A device including a camera filter comprising a colored sheet member of pliable transparent, Cellophane material, and means for mounting the same taut along a plane, including a plurality of telescopic ring members, the sheet member overlying one of the ring members and being marginally frictionally secured between the ring members, said sheet member being stretched taut by the frictional engagement with the ring members in course of telescopically interengaging the latter, said ring members being axially partially staggered and said means providing a plurality of openings of different sizes adapted for engagement with different cameras to mount the filter.

2,182,586
HEATING OF FLUIDS
Jacob B. Held, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 11, 1938, Serial No. 195,237
4 Claims. (Cl. 122—356)



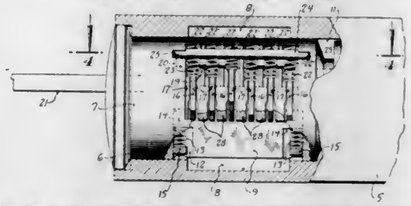
3. In a furnace having a pair of outer parallel walls, and combination of an inner wall between, spaced from and parallel to said outer walls, means for passing flame and combustion gases along the opposite sides of said inner wall, a radiant heat transmitting wall within the furnace adjacent but spaced from each of said outer walls, heating tubes in the space between each of said radiant heat transmitting walls and the adjacent outer wall, and additional heating tubes adjacent each of said radiant heat transmitting walls on the side thereof facing said inner wall.

2,182,587
NONSQUEAK HAMMOCK AND SWING HANGER
Samuel L. Hudson, West Terre Haute, Ind.
Application September 27, 1937, Serial No. 165,958
1 Claim. (Cl. 248—341)



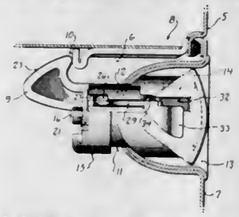
A barrel-like element having a perforation through its wall, means for attaching the element to a support, a force-feed lubricating device to deliver lubricant through the perforation, in combination with a U-shaped yoke for straddling the barrel-like element, one arm of the yoke having a circular perforation therethrough, the other arm of the yoke having a non-circular perforation therethrough, a cylindrical pintle to pass through the circular perforation in the arm of the yoke, the pintle having a non-cylindrical end to fit the non-circular perforation in the other arm of the yoke whereby the yoke and the pintle are locked together to oscillate as a unit and the pintle may be shifted to other positions to present new wearing surfaces.

2,182,588
LOCK
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application April 4, 1938, Serial No. 199,799
10 Claims. (Cl. 70—366)



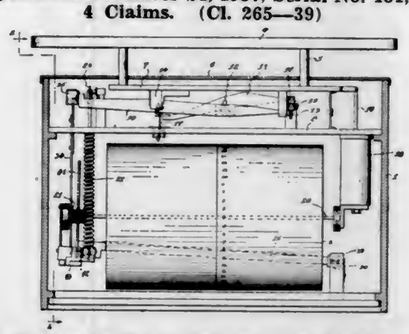
1. A lock of the character described comprising: a cylinder having a slot in its side; a locking bar movable in said slot; spring means mounted within the cylinder for pressing the bar inwardly; a plurality of lever tumblers; a pivot for the tumblers lying in the plane of movement of the bar; each of said tumblers having an edge formed as an arc concentric to the pivot and another edge substantially radial to the pivot axis; said cylinder having a key slot adapted to receive and guide a key in position to have its bittings intersect and contact the substantially radial edges of the tumblers between the tumbler pivot and the concentric edges of the tumblers; said tumblers having V-shaped notches in their concentric edges adapted to be aligned by the bittings of a proper key to receive the side bar and enable the springs to press the same inwardly to an inoperative position, and arranged to produce an outward component of force on said locking bar to return it to operative position upon rotation of the tumblers when the key is withdrawn and upon the insertion of an improper key.

2,182,589
COMPARTMENT DOOR LATCH
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application May 10, 1938, Serial No. 207,037
15 Claims. (Cl. 70—150)



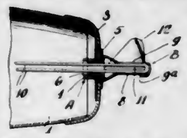
1. Door latching mechanism comprising: a hook bolt; means pivotally mounting the hook bolt from the door; a spring yieldingly urging the hook bolt to its operative latching position; a knob on the outside of the door by which a pull may be applied to the door; and means for retracting the hook bolt preparatory to opening the door comprising, a member movable transversely to the plane of motion of the hook bolt and constrained to move in a fixed path; a cam connection between said member and the hook bolt operable upon movement of said member in one direction to swing the hook bolt against the action of its spring; and a lever connected at its inner end with said member and fulcrumed at an intermediate point alongside of the knob so that movement of the outer end of the lever toward the knob moves said member in a direction to retract the hook bolt.

2,182,590
SCALE
Bert W. King, Detroit, Mich.
Application December 24, 1937, Serial No. 181,544
4 Claims. (Cl. 265—39)



1. In a scale, the combination of a load receiving platform, scale levers positioned below the platform, an indicating drum positioned below the scale levers, load springs suspended from a point adjacent the levers and depending down along one end of the drum, a thrust link for transmitting the load from the levers to the lower ends of the springs, means interconnecting the levers and the drum for rotating the drum upon lever deflection incident to load, a stabilizing arm having a double knife edge pivot at one end of the drum with the knife edges extending upwardly and downwardly, the axis of which extends transversely of the drum axis, said stabilizing arm being arranged to resist lateral displacement and extending along one side of the drum and having a free end portion positioned adjacent the end of the drum opposite the double knife edge pivot, and means connecting the free end of the stabilizing arm to the lower ends of the load springs and thrust link for restraining the same for controlled movement.

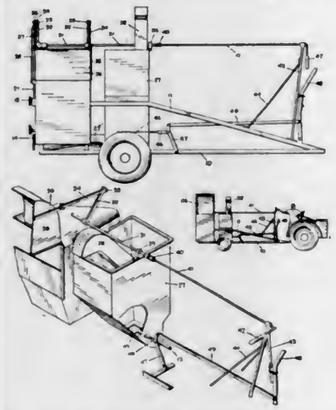
2,182,591
TOY AIRPLANE
William Kramer, Richmond Hill, N. Y.
Application February 4, 1939, Serial No. 254,557
3 Claims. (Cl. 46—78)



1. A toy airplane having a body member, an eyelet engaged with said body member, a propeller, a propeller mount having a tubular portion fitting rotatably in said eyelet, a power band passed through said tubular portion and about said propeller, and means extended from said mount that embrace said propeller and clamp said band thereto.

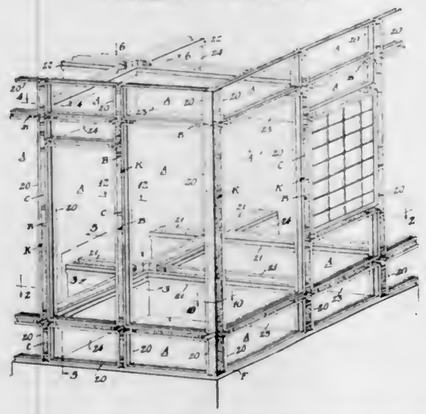
2,182,592
STRAW HOOD LIFTER AND BELT RELEASER
Berend W. Lefferdink and Glenn G. Lefferdink, Firth, Nebr.
Application December 9, 1937, Serial No. 178,920
5 Claims. (Cl. 130—27)

1. An attachment for combines having a straw hood pivotally secured thereto and pulley equipped shafts for driving the separating mechanism of the combine and a single belt operatively connected with the shaft pulleys, mechanism for varying the tension of the belt to cause the same to assume either an operative or an inoperative position, said attachment including a lever on



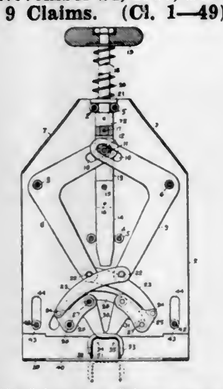
the frame of the combine, a link connecting said lever to the straw hood, and a second link connecting said lever to said belt tension varying mechanism whereby the movement of said lever in one direction or the other will simultaneously adjust both the straw hood and the belt of the combine into either operative or inoperative position.

2,182,593
BUILDING CONSTRUCTION
Louis L. Levene, Merrick, N. Y.
Application February 3, 1938, Serial No. 188,409
7 Claims. (Cl. 72—16)



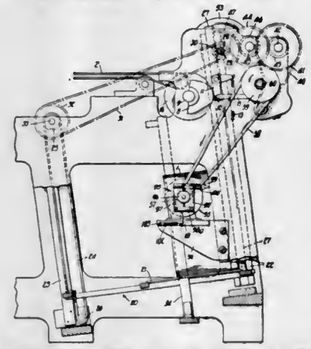
1. In a building construction, a series of unit sections, some forming enclosing, some bearing and others supporting elements, assembled in multiple planes to form a volumnar skeleton, all unit sections having common peripheral edge formations, adjacent unit sections being spacedly mounted with respect to their peripheral edges to provide spacing zones therebetween, and means clamping adjacent unit sections at their peripheral edges to form a rigid structure.

2,182,594
BOX STITCHING MACHINE
Michael N. Matveyeff, Stratford, Conn., assignor of eighty per cent to Elmon C. Gillette and twenty per cent to John P. Nikonow, both of New York, N. Y.
Application November 24, 1937, Serial No. 176,199
9 Claims. (Cl. 1—49)



1. A box stitching machine comprising a frame, levers rotatively supported in the frame, jaws movably supported on the frame and operatively connected with the levers, and a plunger operatively connected with the levers, the frame being adapted to be manually moved for inserting the jaws into boards to be stitched, the plunger being adapted to be manually moved for rotating the levers with the jaws thereby bending the ends of the staple over the back side of the boards.

2,182,595
SHEET FEEDING MECHANISM
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application December 4, 1937, Serial No. 178,037
6 Claims. (Cl. 271—62)



1. In a sheet feeding mechanism having means for removing sheets singly from the top of a stack whose top is at a predetermined operative level, the combination of a sheet supporting elevator and alternative elevator driving means, the one automatically effecting minute upward adjustments of the elevator within the range of the operative level as sheets are withdrawn from the stack, and the other for quickly and continuously moving the elevator upward from a remote loading position to raise the top of the stack to the operative level, and means operatively connecting the two driving means to the elevator

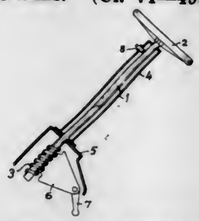
comprising separate pawl devices arranged so that either pawl device may remain operatively associated with the elevator but ineffective while the other is effective, said connecting means also including a clutch common to the two driving means, and means for disengaging said clutch for enabling the elevator to be disconnected from both driving means simultaneously.

2,182,596

STEERING MECHANISM FOR AUTOMOBILES AND CORRESPONDINGLY STEERED VEHICLES

Ole Andersen Olsen, Gentofte, Denmark

Application March 17, 1937, Serial No. 131,435
In Denmark March 18, 1936
3 Claims. (Cl. 74—495)



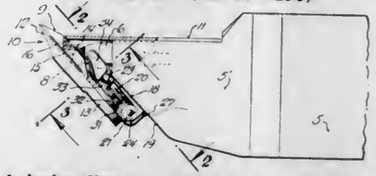
1. A safety device for indicating the deviation of the steering gear of a motor vehicle from its center position whereby the straight-ahead drive of the motor vehicle is ensured, comprising an elastically supported locking member disposed on a stationary part, a movable steering member having a groove in which said locking member rests during the straight ahead steering, while during a steering movement away from the center position the locking member is forced out of the groove, having the distinctive feature that the safety device is disposed at the steering column which holds the steering wheel and the articulated vehicle wheels in continuous transmission connection, and that the form of the groove and of the locking member is such that the changing of the motor vehicle from the center position or back into same is indicated to the driver by a "touch sensation" of the hand, the device being otherwise ineffective to resist such change.

2,182,597

HAIR CLIPPER

John Oster, Racine, Wis., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Application January 13, 1938, Serial No. 184,802
11 Claims. (Cl. 30—196)



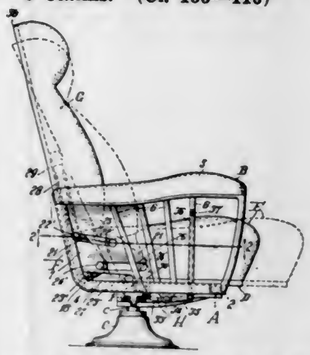
1. A hair clipper comprising: a body portion carrying a driving mechanism including, an oscillatory driving lever pivotally mounted on the body portion and having an end portion projecting from the body, said pivotal mounting constraining the lever to oscillatory movement in a plane normal to the axis of the pivotal mounting; a unitary cutting assembly including stationary and movable cutters, and means for holding the same in proper relative positions, the movable cutter having means connectible with said end portion of the driving lever; and means for readily detachably holding the cutting assembly in position on the body with the movable cutter drivingly connected with the driving lever comprising, interengaging wall surfaces carried by the cutting assembly and the body disposed crosswise to the line of motion of the movable cutter and having portions intersecting the plane of movement of the oscillatory driving lever near its connection with the movable cutter; and means for yieldingly maintaining said wall surfaces in engagement.

2,182,598

RECLINING CHAIR

Thomas D. Owler, Chicago, Ill., assignor to Coach & Car Equipment Company, Chicago, Ill., a corporation of Illinois

Application May 2, 1938, Serial No. 205,396
6 Claims. (Cl. 155—116)



6. In a chair, a supporting frame, a back supported entirely at its lower end, and pairs of substantially parallel plates carried by the back and supporting frame respectively, one of said plates of each pair being provided with three projections spaced apart to form the apexes of a triangle and the other with cooperating trackways in which the projections slidably engage, the trackways being so inclined relative to one another that the inclination of the back will be changed as the lower portion of the back is translated substantially horizontally on the frame.

2,182,599

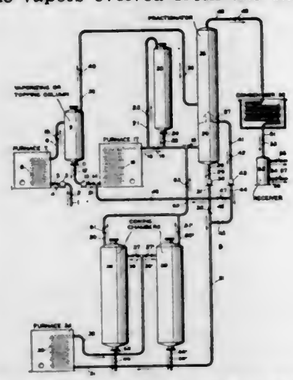
CONVERSION AND COKING OF HYDROCARBON OILS

Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application March 22, 1937, Serial No. 132,189
1 Claim. (Cl. 196—49)

A conversion process which comprises partially vaporizing a hydrocarbon charging oil of relatively wide boiling range thereby forming vapors and unvaporized oil, subjecting the latter to cracking conditions of temperature and pressure in a heating coil and separating the resultant products into vapors and residual liquid in a separating chamber, heating residual liquid from said chamber to conversion temperature in a second heating coil and reducing the same to coke in a coking chamber apart from said separating chamber, introducing the vaporous products from the coking chamber into said separating chamber and therein separating from said vaporous products the heavy pitch-like and tarry

materials contained therein as a result of the coking operation, such materials being returned to said second coil in the residual liquid supplied to this coil from the separating chamber, combining the vapors evolved from the charging oil



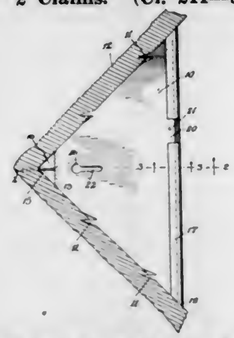
by said partial vaporization with the vapors separated in the separating chamber, fractionating the commingled vapors to condense heavier fractions thereof, supplying separate portions of the resultant reflux condensate to said heating coils, and finally condensing the fractionated vapors.

2,182,600

CORNER SHELF

Frank F. Spetz and Edmund Schroedter, Baldwin, N. Y.

Application October 11, 1938, Serial No. 234,337
2 Claims. (Cl. 211—90)



1. A shelf comprising a triangular portion, outwardly extending prongs integral with said shelf on two edges of said shelf adapted to engage a wall, means on said shelf for holding articles in place, said means comprising a key slot, a slot molding on the outward edge of said shelf, and means on said shelf to engage the slot in said molding to hold it in place.

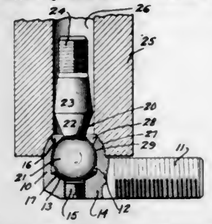
2,182,601

BALL JOINT AND METHOD OF MAKING SAME

Anthony Venditty, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application October 7, 1937, Serial No. 167,722
9 Claims. (Cl. 29—152)

5. The method of making ball and socket joints which comprises fabricating a one-piece housing having a cylindrical recess therein, disposing a spring on the bottom wall of the recess, inserting the ball end of a ball stud in said recess and die pressing the side wall of the housing to converge said wall inwardly and increase the thickness of



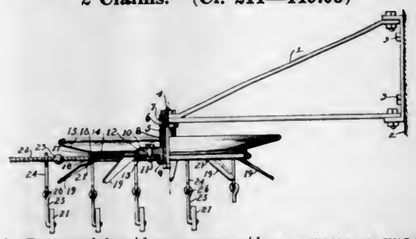
the wall toward the inner end thereof for defining a curved bearing surface in the recess retaining the ball end of the stud in the housing.

2,182,602

CLOTHESLINE PULLEY

William E. Veteran, Niles, Calif., assignor of one-half to Joe N. Viveiros, Niles, Calif.

Application September 26, 1938, Serial No. 231,785
2 Claims. (Cl. 211—119.03)



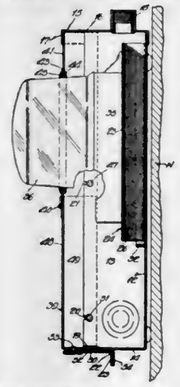
1. In combination, supporting means, a grooved pulley suspended therefrom to rotate about a vertical axis, said pulley having one side of its groove formed into radially extending and spaced fingers laterally inclined relative to the plane of the pulley, a line operable in said groove, said line having hangers slidably mounted thereon, and hanger stops disposed on the line and spaced thereon in accordance with the spacing of the fingers on the pulley.

2,182,603

METER BOX

Ralph M. Walker, Charles M. Jenkins, and Carll W. Strong, Atlanta, Ga., assignors to Walker Electrical Company, Atlanta, Ga.

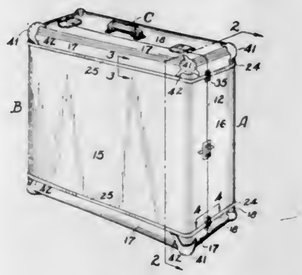
Application April 8, 1938, Serial No. 200,864
14 Claims. (Cl. 175—220)



1. A meter box comprising in combination, a

box-like casing open at its front, a meter support, means for mounting said meter support within said casing for vertical sliding movement relative thereto, a front cover associated with the open side of said casing for vertical and inward sliding movement to close the open front thereof, a meter fixedly mounted on said meter support and having its face protruding through an opening in said cover, and means for securing said cover against sliding movement.

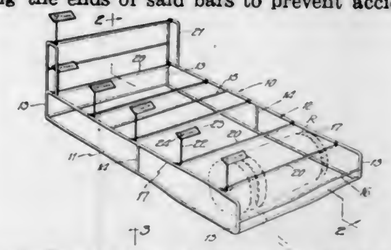
2,182,604
LUGGAGE CASE
George H. Wheary, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis.
Application October 27, 1937, Serial No. 171,200
2 Claims. (Cl. 190—41)



1. In a portable luggage and wardrobe container; a plurality of pieces of covering material applied to the outer wall surfaces of the container with the edges of said pieces contiguous so that said pieces collectively cover the outer wall surfaces; the outer surfaces of the pieces adjacent to their contiguous edge portions lying in common planes; fastening means supported from the walls of the container at the contiguous edges of the pieces of covering material; heads on said fastening means spaced outwardly from said outer surfaces of the pieces; and metal finishing and reinforcing bands concealing the contiguous edges of the pieces and the heads of the fastening means, said bands having outwardly bulged webs and inturned marginal flanges, the edges of which are spaced apart; said webs and flanges embracing the heads of the fastening means with the flanges engaging under the heads so that the outer surfaces of the flanges adjacent to the webs press against said surfaces of the pieces adjacent to their contiguous edge portions to clamp the same between the flanges of the bands and the walls of the container, substantially cup-shaped members secured over the corners of the container, and an extension from each of said members to the adjacent finishing and reinforcing band and covering the adjacent meeting edges of said pieces of covering material.

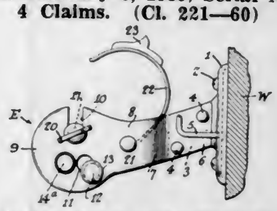
2,182,605
DISPLAY RACK FOR LACE REELS
Fred A. Wolfert, Maplewood, N. J.
Application May 31, 1938, Serial No. 211,001
2 Claims. (Cl. 242—55.3)

1. A rack for the display of reels of lace or the like comprising a rectangular frame, pairs of opposed U-shaped hangers fixed to the opposite sides of the frame and disposed inwardly of the rails thereof with their open ends facing upwardly, and reel supporting bars having flat ends respectively seated in the opposed pairs of U-shaped hangers, the side rails of the frame abutting the ends of said bars to prevent accidental



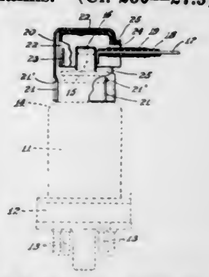
longitudinal sliding movement of the bars relative to said U-shaped hangers.

2,182,606
PASTE DISPENSER WITH CAP
William J. Ziegler, Clarks Summit, Pa.
Application February 6, 1939, Serial No. 254,927
4 Claims. (Cl. 221—60)



1. In a device of the type described, the combination of a base adapted to be affixed to a wall, spaced bracket arms mounted on the base, the bracket arms having opposite vertical slots and opposite diagonally disposed slots, a slotted roller removably mounted in the vertical slots and having an operating element at one end, said roller being adapted to engage the unfolded end of the paste tube, a pair of slightly spaced rollers positioned below the aforesaid slotted roller to engage and squeeze the tube, one of said rollers being mounted in diagonally disposed slots in the bracket arms whereby to increase pressure exerted by the rollers on the paste tube and to be readily disengaged from the paste tube to permit of withdrawing same from the device when empty, and a swingably mounted shield normally covering and concealing the aforesaid rollers.

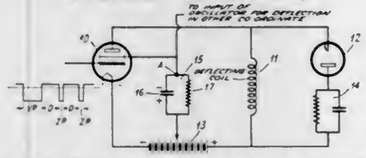
2,182,607
TUBE SHIELD
Milton Alden, Brockton, Mass.
Application October 16, 1939, Serial No. 299,581
4 Claims. (Cl. 250—27.5)



1. A shield for a tube tip comprising a cup-like metallic cap having slits in its edges to provide resiliency sufficient to grip a tube tip and an insulating cup wedged in the cap for housing a clip

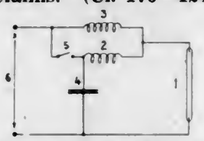
and having a slotted projection at one side for projecting through a slot of the cap and guarding a cable armor connected to the clip on the tube tip.

2,182,608
SAW-TOOTH WAVE GENERATOR
Robert Andrieu, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 17, 1937, Serial No. 131,322
In Germany March 19, 1936
4 Claims. (Cl. 250—36)



1. A saw-tooth wave generator comprising a multigrid vacuum tube containing anode, cathode and a plurality of grids, an inductive member serially joined to said anode and connected in the anode-cathode circuit of said tube, a circuit connected in parallel with said inductive member comprising a unidirectional conductor and a circuit of predetermined time constants, an electrical circuit comprising a parallel joined resistance and capacity serially joined to one of the grids of said tube and connected in the grid-cathode circuit of said tube and an input circuit connected between the other grid of the plurality of grids and the cathode.

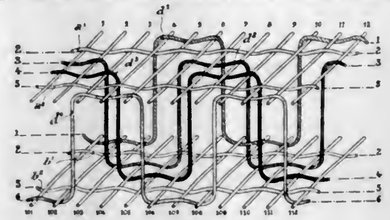
2,182,609
DEVICE FOR STARTING AND FEEDING ELECTRIC DISCHARGE TUBES
Joseph Bethenod, Paris, France, assignor to Société Anonyme pour les Applications de l'Electricite et des Gaz Rares, Etablissements Claude-Paz & Silva, Paris, France
Application February 1, 1939, Serial No. 253,978
In Switzerland August 9, 1938
2 Claims. (Cl. 176—124)



1. A device for starting and feeding an electric discharge tube by means of an alternating current supply, which comprises a circuit consisting of two reactance coils coupled in series with a condenser and connected across the terminals of the said supply, the tube being connected across the terminals of the assembly formed by one of the reactance coils and the condenser, and a switch being provided for connecting the two reactance coils in parallel as soon as the starting of the tube has been effected.

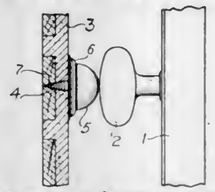
2,182,610
MANUFACTURE OF VELVET WOVEN IN DOUBLE PIECE
Maurice Calonnier, Saint-Etienne, France
Application November 4, 1937, Serial No. 172,693
In France November 9, 1936
2 Claims. (Cl. 139—397)

1. A double woven velvet fabric adapted to be cut and comprising two opposed ground fabrics each containing ground warps and ground wefts, the two ground fabrics being interconnected by pile warp threads arranged in staggered order with respect to the ground wefts and each being woven in W formation with respect to the ground wefts, with all the weft threads of each of the opposed fabric faces interwoven with all of the warp threads of their respective faces in plain



weave formation, the bindings of adjacent pile warp threads being staggered one pick and the bindings of pile warp threads separated by an intervening ground warp thread while being staggered two picks, whereby the back of each fabric face consists of threads woven in plain weave order.

2,182,611
DOOR BUMPER
Frederick L. Covert, Lansing, Mich.
Application July 6, 1938, Serial No. 217,735
1 Claim. (Cl. 16—86)



A detachable door bumper comprising a resilient cushion constructed with a flat portion and having a metal plate firmly attached to said portion and constituting the base of the cushion, a dished metal holder having a central screwhole, a screw adapted to be passed through said holder into a wall to support said bumper, said holder having a depressed external surface portion constructed to receive said base plate and provided with spaced inwardly extending tongues adapted to be forced between the edge of said base plate and cushion when the cushion is pressed into said depressed holder portion, and said holder having a projecting lug constructed and arranged to engage the edge of said base plate thereby resisting the displacement of the plate and cushion in the holder.

2,182,612
PRODUCT FOR USE AS NONRUSTING AND NONCORRODING ANTIFREEZING MIXTURES
Cyrus D. Eaton, Lansdowne, Pa., assignor to The American Distilling Company, Incorporated, Philadelphia, Pa.
No Drawing. Application January 30, 1937, Serial No. 123,144
2 Claims. (Cl. 252—5)

1. A noncorroding "antifreeze" consisting of

Approximate proportions			
Denatured alcohol cubic centimeters	100		
Light hydrocarbon mineral oil—cc	from 1.0	to	4.2
Sulfonated castor oil—cc	from 0.03	to	0.3
Sodium salicylate—grams	from 0.1	to	0.4

2,182,613

GRANULAR CALCIUM PHOSPHATE AND MANUFACTURE THEREOF

Augustus H. Fiske, Warren, R. I., assignor to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island

No Drawing. Application January 17, 1938, Serial No. 185,337
2 Claims. (Cl. 23—109)

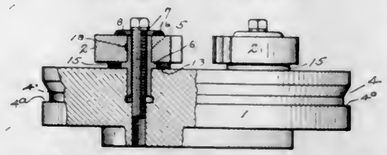
1. In the method of forming from a commercially pure phosphoric acid which is free of metallic compounds a monocalcium phosphate containing a relatively high percentage of granular non-friable product to soft pulverulent product, the step which consists of reacting a soluble phosphate of a metal of the group consisting of iron, aluminum and chromium with the required amounts of phosphoric acid, lime and water for forming the monocalcium phosphate, said soluble phosphate being present in an amount sufficient to convert a substantial proportion of the otherwise soft pulverulent monocalcium phosphate into a granular non-friable product and to furnish approximately 1¼% of said metal in the final product.

2,182,614

SEALING GASKET

Ralph P. Garrison, Dayton, Ohio, assignor to Garrison Machine Works, Incorporated, Dayton, Ohio, a corporation of Ohio

Application May 29, 1936, Serial No. 82,543
1 Claim. (Cl. 288—1)



A seal for use between relatively movable members, including an inner ring and an outer ring, each of substantially L-shape in cross-section disposed in inverted relation, whereby to form annular spaces which extend outwardly and inwardly respectively of one of the members, and which spaces are disposed in planes that are spaced with relation to each other transversely of the plane of the member, a floating compressible packing collar between the rings having its respective side portions extending in part in said spaces, and having portions thereof lying substantially flush with the outer surfaces of the rings, and providing opposed zones of packing material staggered with respect to each other, said packing collar being of a greater thickness than the depth of the aforesaid spaces, whereby to provide for relative axial movement of the rings and compression of the collar.

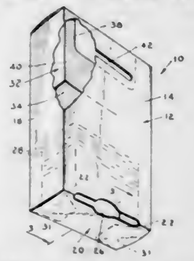
2,182,615

CONTAINER

Arnold E. Johnson, Ringoes, N. J., assignor to Saks and Company, New York, N. Y., a corporation of New York

Application February 28, 1938, Serial No. 192,951
3 Claims. (Cl. 206—16)

1. A container of the class described having a packaging and dispensing chamber adapted to contain a plurality of articles and provided, at the lower end of the container, with a narrow slot for the dispensing of individual articles from the bottom of said chamber while the latter remains closed at said end of the container, and means disposed in said container, at the end of the container remote from said article removal opening, providing a disposal chamber for the used articles dispensed from said first mentioned chamber, said means comprising a separate receptacle movably mounted within said container in engagement with the latter, said receptacle being progressively movable toward said first mentioned end of the container as room therefor is made when the articles are successively removed from said dispensing chamber, said container being otherwise closed at its opposite ends and having a slot in a side wall, thereof, and said receptacle having a side wall provided with an opening in communication with said slot.

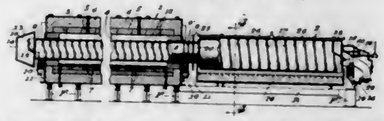


2,182,616

APPARATUS FOR CONTINUOUS HEATING AND COOLING OF METALS

Kristian A. Juthe, Newton Center, Mass., assignor to American Electric Furnace Company, Dorchester, Mass., a corporation of Massachusetts

Application July 9, 1938, Serial No. 218,409
6 Claims. (Cl. 266—5)



1. Apparatus for continuously heating and cooling ferrous and non-ferrous metals, comprising a furnace having a heating chamber, means for heating said chamber, a retort rotatably mounted within said chamber and extending from end to end thereof, a spiral screw conveyor fast to said retort internally thereof, a cooling drum rotatably mounted at the discharge end of said retort and direct-connected thereto to rotate in unison therewith, a spiral screw conveyor fast to said drum internally thereof and disposed in axial prolongation of said first-named conveyor, means for cooling said drum, means for imparting continuous rotation to said retort and drum, a discharge chute fast to the discharge end of said cooling drum to rotate therewith, a shutter at the discharge end of said chute, and means for automatically opening and closing said shutter in timed relation to the rotation of said drum.

2,182,617

POLYMERIZATION OF OLEFINS

Richard Michel, Krefeld-Uerdingen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application October 23, 1936, Serial No. 107,151. In Germany November 6, 1935
5 Claims. (Cl. 260—683)

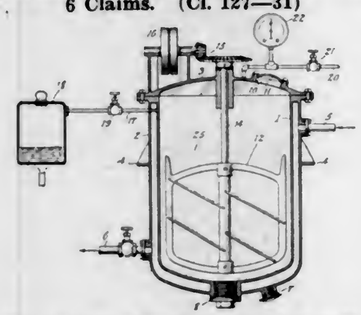
1. Process for the polymerization of a normally gaseous olefin of at least 3 carbon atoms which comprises reacting upon such an olefin with a catalyst capable of effecting polymerization of said olefin in the presence of an excess of a polymerization component normally formed from said olefin during the reaction in order to suppress formation of said polymerization component during the reaction.

2,182,618

METHOD OF MAKING BETA LACTOSE

Paul Francis Sharp and David Birney Hand, Ithaca, N. Y., assignors to Cornell Research Foundation, Inc., Ithaca, N. Y., a corporation of New York

Application July 24, 1937, Serial No. 155,474
6 Claims. (Cl. 127—31)



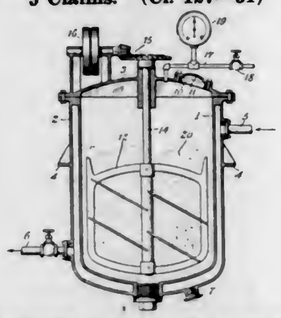
1. The process of producing beta lactose which consists in heating any other form of lactose while in a pulverulent condition in an atmosphere of water vapor at a temperature maintained above the transition point and vapor pressure sufficiently high to cause the formation of a temporary solution on the surface of the lactose particles, while limiting the amount of moisture so that the particles remain in a pulverulent condition, continuing said process until the lactose is converted into the beta form, and then permitting the surplus moisture to escape, leaving dry crystalline beta lactose.

2,182,619

METHOD OF PREPARING BETA LACTOSE

Paul Francis Sharp and David Birney Hand, Ithaca, N. Y., assignors to Cornell Research Foundation, Inc., Ithaca, N. Y., a corporation of New York

Application July 24, 1937, Serial No. 155,475
5 Claims. (Cl. 127—31)



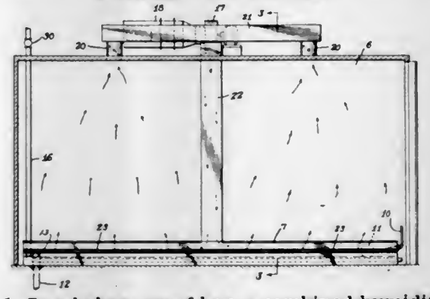
1. The process of producing beta lactose crystals which consists in heating alpha lactose hydrate crystals at a sufficiently high temperature to drive off the water of crystallization, maintaining some of the water of crystallization so driven off in a moisture confining zone in intimate association with the crystals and maintaining the temperature above the transition point until the crystals are substantially transformed into beta lactose crystals, and then allowing the water to escape, so that dry beta lactose crystals remain.

2,182,620

HUMIDIFYING SYSTEM

Vernon Cano, Elizabeth, N. J., assignor to B. F. Sturtevant Company, Boston, Mass.

Application May 18, 1938, Serial No. 208,610
2 Claims. (Cl. 261—14)



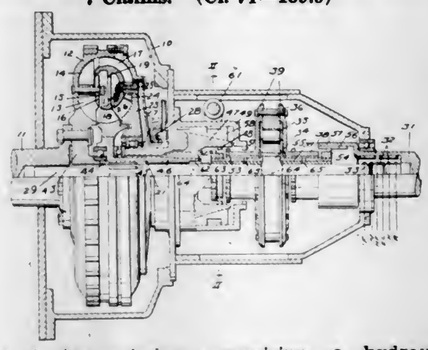
1. In a bakery proof box, a combined humidifying and air distributing system comprising a relatively long, relatively narrow, longitudinal air distributing duct containing water, extending along the longitudinal center of and substantially completely cross-wise said box in the floor zone thereof, air discharge outlets extending along the length of said duct above the water line thereof, means forming recirculated air inlets in the ceiling zone of said box, and means including a fan heater unit above said ceiling for supplying heated air into said duct for humidification and distribution and for drawing the air discharged from said outlets through said inlets for recirculation, said last mentioned means including a horizontal duct above said ceiling connecting said inlets and said unit and a vertical duct connected to said distributing duct and to said unit for isolating in said box, the air supplied to said distributing duct and the air drawn through said inlets.

2,182,621

TRANSMISSION

Adiel Y. Dodge, South Bend, Ind.

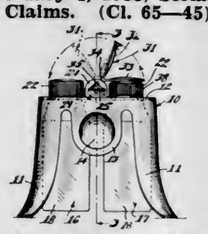
Application October 12, 1935, Serial No. 44,672
7 Claims. (Cl. 74—189.5)



1. A transmission comprising, a hydraulic torque converter including driving and driven members, driving means connected to said driving member, clutch means connected to said driving and driven members, a gear chain having

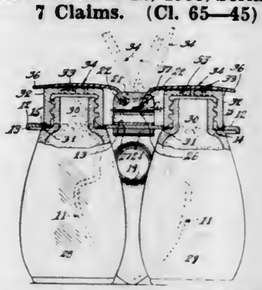
a plurality of elements, clutch means connected to said elements, and control means for selectively connecting the last named clutch means to the first named clutch means to provide different driving relations between the torque converter and the gear chain.

2,182,622
CONDIMENT HOLDER
Edward Dolar, Berwyn, Ill.
Application February 4, 1938, Serial No. 188,626
13 Claims. (Cl. 65—45)



6. A holder for containers having reduced necks forming shoulders and closures therefor, said holder having a plate element and apertures in said plate element corresponding to the cross-sectional shape of the necks and entirely surrounding the same to receive the necks of the containers therethrough with the shoulders engaging the bottom of the plate for clamping the containers in position by engagement of the closures with the necks and against the top of the plate entirely around the necks and apertures whereby the containers are adapted to be supported by said plate element.

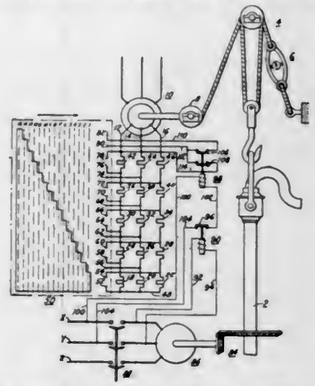
2,182,623
CONDIMENT HOLDER
Edward Dolar, Berwyn, Ill.
Application November 12, 1938, Serial No. 240,063
7 Claims. (Cl. 65—45)



7. A holder for containers having perforated caps including a horizontal plate having openings to receive the containers, means to clamp the containers to the plate around the openings, side members formed integral with and extending down from the side edges of the plate, said plate having upstanding ears adapted to be moved outward upon pressing the side members inwardly and spring-actuated closure plates for the containers having trunnions pivoted in the ears.

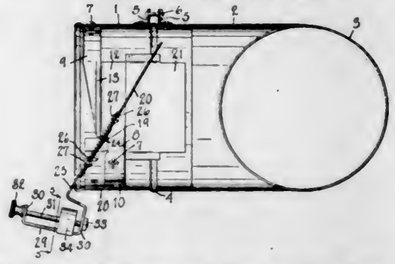
2,182,624
AUTOMATIC DRILLING MACHINE
William C. Dreyer, Dallas, Tex., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1937, Serial No. 180,402
2 Claims. (Cl. 255—19)

2. In a system for controlling the drill stem of an earth boring machine having drill stem rotating means and drill stem lifting means, means for causing the lifting means to provide lifting forces of two different values, and means for automatically causing the greater of the two



lifting forces to be applied to the drill stem while the rotating means is not actuated and for causing the lesser of the two lifting forces to be applied to the drill stem while the rotating means is actuated.

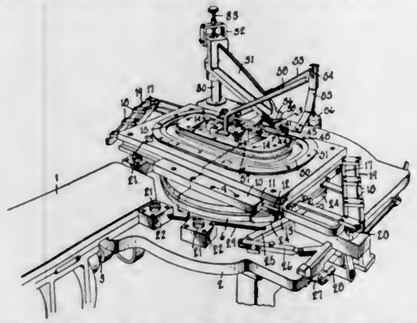
2,182,625
DRAFT CONTROL
Edward A. Field, Jr., Chicago, Ill.
Application May 6, 1936, Serial No. 78,263
20 Claims. (Cl. 236—45)



20. In a draft control, the combination of a cylindrical housing adapted for attachment to a smoke flue, an annular gate frame secured at the front end of said housing and comprising opposed segmental wing portions having substantially parallel vertical edges, a pivoted gate having straight substantially parallel side edges corresponding to the said vertical edges of said wing portions of said frame and curved top and bottom edges complementary to the said segmental wing portions, side plates between which said gate swings on its pivots and which extend rearwardly from said wing portions of said frame, and a counterweight for said gate.

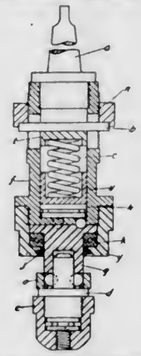
2,182,626
BENDING MACHINE
John F. Fischer, Detroit, Mich., assignor, by mesne assignments, to L. A. Young Spring & Wire Corporation, Detroit, Mich., a corporation of Michigan
Application December 2, 1935, Serial No. 52,497
19 Claims. (Cl. 153—40)

8. A metal bending machine comprising a rotatable table, a form slidably mounted on said table, a mandrel cooperating with said form, means for maintaining the mandrel in cooperation with the form, and means for imparting a motion of pure rotation to said form during a substantial portion of each revolution of the table and for imparting a movement of combined rotation and translation to the form during another portion of the rotation of the table.



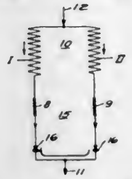
11. In a metal bending machine, a rotatable and slidable form, means for rotating and sliding the form, and means adapted to press the strip against said form during the movement of the form, comprising a swiveled elongated mandrel, a carrier therefor, and a guide plate having slots therein and pins received in said mandrel and guided in said slots for guiding the swiveling movement of said mandrel.

2,182,627
OVERLOAD RELEASE CLUTCH
James Cowper Gauld, New Brunswick, N. J.
Application March 18, 1935, Serial No. 11,607
In Great Britain April 13, 1934
5 Claims. (Cl. 192—56)



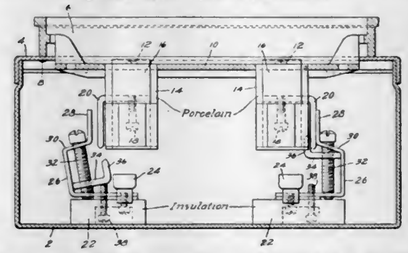
1. In a clutch of the character described; a driving member and a driven member mounted on a common axis each with flange faces adjacent and the members secured against relative axial movement but capable of relative rotation with a minimum of friction, a number of balls housed in apertures in the flange of one member and movable axially therethrough, adjustable pressure means consisting of spring means mounted to produce an axial thrust on the balls and press them to the flange face of the other member which is provided with spherical recesses to engage the balls and, slotted aperture means providing for an automatic relative shift in position of the balls housed in the ball carying member.

2,182,628
CONVERSION SYSTEM
Erwin Janetschke, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 7, 1937, Serial No. 162,795
In Germany September 7, 1936
6 Claims. (Cl. 175—364)



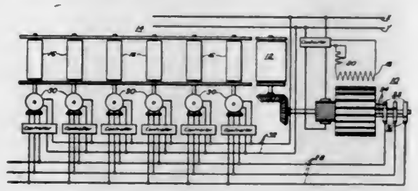
1. An electrical translating system comprising a transformer, an alternating-current circuit, a three-phase winding in said transformer connected to said alternating-current circuit, a direct-current circuit, a six-phase winding consisting of two three-phase star-connected groups, one side of said direct-current circuit being connected to each of said star points, a uni-directional conductor connected in series between said direct-current circuit and said star points, contact means for successively connecting the phase terminals of said six-phase winding to the other side of said direct-current circuit, a motor operating in synchronism with the alternating-current circuit for operating said contact means, and a fan driven by said motor for cooling both said contact device and said uni-directional conductors.

2,182,629
METER CONNECTION DEVICE
Ernest G. Johansson, Watertown, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1938, Serial No. 194,839
5 Claims. (Cl. 200—158)



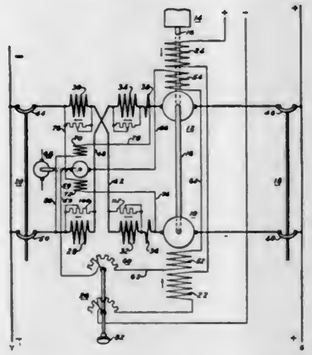
1. In an installation for mounting an electrical instrument of the type having contacts projecting from the base thereof, a receptacle having a terminal block therein with terminal clamps mounted thereon, conducting straps extending from each clamp toward an open side of the receptacle, contact members mounted across said open side for cooperation with said instrument contacts and conductors depending therefrom adjacent to said straps, means for releasably connecting a strap to an adjacent conductor including a screw and means for rotatably mounting it, a clamping member threaded on said screw and movable upon rotation of the screw along said strap between two limits of travel, and means operable at the limit of travel remote from said conductor for forcing said strap away from said conductor.

2,182,630
POWER DISTRIBUTION SYSTEM
Alonzo F. Kenyon, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 28, 1937, Serial No. 161,441
2 Claims. (Cl. 80—31.1)



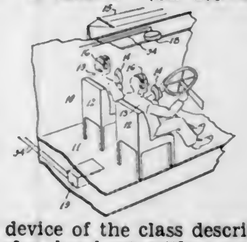
2. In a work device, a plurality of rotatable elements which simultaneously engage a work piece as the work piece moves through the work device, and means for producing equal values of peripheral speeds of said rotatable elements comprising a direct-current motor connected in driving relation with one of said rotatable elements, a synchronous motor connected in driving relation with each of the other of said rotatable elements, and means for utilizing the alternating current flowing in the armature windings of said direct-current motor for driving said synchronous motors.

2,182,631
CONTROL SYSTEM
Alonzo F. Kenyon, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Applicaton November 12, 1937, Serial No. 174,189
12 Claims. (Cl. 172—239)



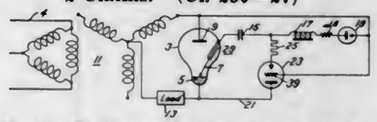
1. In combination, a pair of motors, a main field for each of said motors, means for varying the main field excitation of both of said motors, means for varying the excitation of each of said motors in accordance with the variations of load on the motor, means for varying the excitation of each of said motors in accordance with the variations of load on the other motor, means for maintaining a difference of excitation between the total excitation and the main field excitation of the motors, and means for varying said difference of excitation in accordance with variations of the main field excitation.

2,182,632
COMMUNICATION RECORDING SYSTEM
Frank A. Kiernan, Portland, Oreg.
Application March 18, 1938, Serial No. 196,688
4 Claims. (Cl. 179—6)



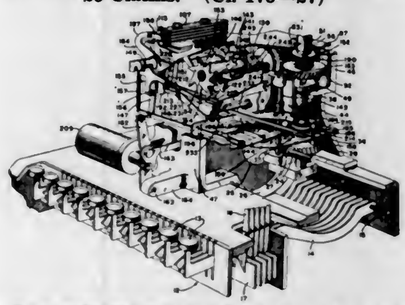
1. In a device of the class described, the combination of a head-set with a microphone attached to the head-set whereby sounds produced by said head-set will be picked up by said microphone.

2,182,633
IGNITRON STARTER CIRCUITS
Hans Klemperer, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1938, Serial No. 184,833
2 Claims. (Cl. 250—27)



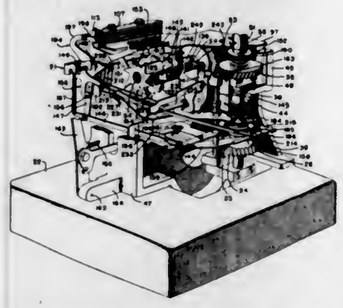
2. An arc discharge device comprising a main valve having a plurality of main electrodes, a starting electrode in permanent contact with one of said main electrodes for initiating a cathode spot therein, a capacitor, a reactor and a uni-directional conductor in series relation with said starting electrode, a supply of alternating current for energizing said capacitor through said unidirectional conductor said uni-directional conductor blocking the current flow to said capacitor during the positive half cycle, and a discharging circuit including a valve for permitting said capacitor to discharge through said starting electrode while said unidirectional conductor is non-conducting.

2,182,634
PRINTING TELEGRAPH APPARATUS
Howard L. Krum, Kenilworth, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 6, 1937, Serial No. 141,042
28 Claims. (Cl. 178—27)



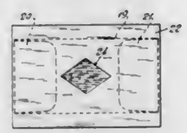
1. In a printing telegraph receiver, a rotatable type wheel provided with a plurality of characters, a member having a series of arms less in number than the number of characters on said type wheel for controlling the rotation thereof, stop means cooperable with said arms for controlling said member, and a permutation code selector mechanism for controlling said stop means.

2,182,635
PRINTING TELEGRAPH APPARATUS
Howard L. Krum, Kenilworth, and Carl W. Swan, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 6, 1937, Serial No. 141,043
35 Claims. (Cl. 178—29)



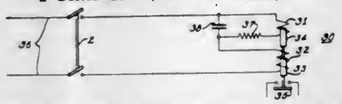
1. In a printing telegraph receiver, a rotatable type wheel provided with a plurality of characters, a member having a series of arms less in number than the number of characters on said type wheel for controlling the rotation thereof, a permutation selector mechanism, a plurality of pairs of abuttable stop bars each pair comprising a main bar and a companion bar cooperable with said arms for controlling said member, means whereby said main bars are selectable in two different manners by said selector mechanism under certain operating conditions to cooperate with said arms, and means whereby said companion bars are selectable under other operating conditions simultaneously with their main bar to exercise a prior control over said member.

2,182,636
PERMANENT WAVING DEVICE
Daniel Lakenbach, Norwich, Conn.
Application February 2, 1939, Serial No. 254,217
16 Claims. (Cl. 132—36.2)



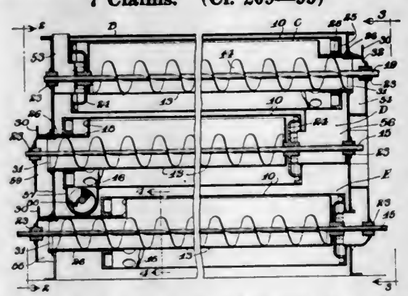
1. A sachet for permanent waving without the use of electricity, comprising an envelope of soft, pliable, absorbent material containing a mixture of chemicals adapted to enter into exothermic reaction with a solution, a backing sheet for said envelope having an aperture approximately in the center of the backing sheet and through which drops of permanent waving solution may be applied to the surface of the envelope exposed through such aperture.

2,182,637
RELAY TIMING CIRCUITS AND SYSTEMS
Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 24, 1937, Serial No. 176,251
4 Claims. (Cl. 175—320)



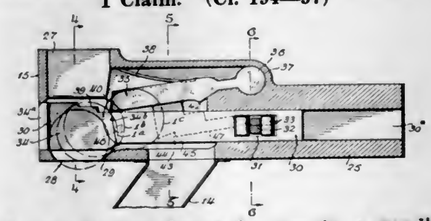
2. In combination, a relay comprising an actuating winding and a holding winding connected in series relationship, an energizing circuit therefor, and means connected in parallel to the holding winding and operative when the energizing circuit is energized to effect instantaneous energization of the actuating winding and delayed energization of the holding winding, and operative when the energizing circuit is deenergized or opened, to effect instantaneous de-energization of the actuating winding and to effect delayed de-energization of holding winding.

2,182,638
APPARATUS FOR SEPARATING GRAIN
Haakon Mjolsness, Minneapolis, Minn.
Application February 4, 1935, Serial No. 4,892
7 Claims. (Cl. 209—95)



4. A grain separator including, an indented cylinder, means for rotating said cylinder, a conveyor within said cylinder for conveying grain in the cylinder toward one end thereof, means for operating said conveyor, a longitudinally swingable retarder against which grain is forced by said conveyor, and a discharge opening adjacent the retarder through which grain passing said retarder may be discharged.

2,182,639
VENDING MACHINE
Alfred A. Morck, New York, N. Y.
Application February 3, 1937, Serial No. 123,840
1 Claim. (Cl. 194—57)



A coin testing device for use in a vending machine, provided with an actuator, said coin

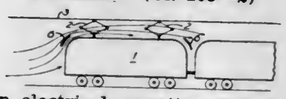
device comprising a receiver for a coin, a pocket to receive a coin from said receiver, said pocket having an open bottom, the opening of which is sufficient to retain a normal sized coin but permit passage of a smaller sized coin, a reciprocating slide member having a recess to receive said coin, the recessed portion of said slide member being normally positioned in said pocket, a latch member to prevent movement of said slide member, said coin when carried by said slide member acting as a cam to lift said latch member and permit movement of said slide member, a runway for said coin, said slide member when reciprocated carrying said coin from said pocket and dropping it in said runway, said reciprocating slide member having a shoulder in its upper edge at said recess, and a pin projecting from its side and said latch member having a nose sliding upon the upper edge of said slide member lifted to clear said shoulder by the cam action of said coin and an offset downward extension also lifted to clear said pin by the cam action of said coin.

2,182,640

ELECTRIC LOCOMOTIVE STRUCTURE

Karl Pohlhausen, Berlin-Halensee, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 11, 1938, Serial No. 189,963
In Germany June 21, 1937
6 Claims. (Cl. 105—2)



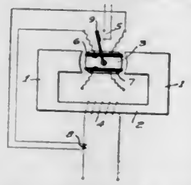
1. In an electric locomotive driven by power from an overhead trolley wire, in combination, a locomotive body, and an auxiliary wing mounted on the front part of the body to so deflect the air currents developed by longitudinal movement of the locomotive relative to the trolley wire that their course is approximately parallel to the trolley wire.

2,182,641

TILTING RELAY DEPENDING ON THE RATIO BETWEEN CURRENT AND VOLTAGE AND THE PHASE DISPLACEMENT

Hans Poleck, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application July 1, 1937, Serial No. 151,551
In Germany June 9, 1936
7 Claims. (Cl. 175—294)



1. In a relay responsive to the condition of a circuit, magnetizing means controlled by the current flowing in said circuit for establishing a magnetic flux field, said magnetizing means being proportioned to increase said magnetic field at a rate less than the rate of increase of said current, contact making means, a pair of coils in said field and movable with respect to said field for actuating said contact making means, and energizing means for energizing one of said coils in accordance with the voltage of said circuit and the other of said coils in accordance with the current flowing in said circuit.

2,182,642

ROLL-OVER TOY

Willis E. Rexford, Girard, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York

Application April 1, 1939, Serial No. 265,390
22 Claims. (Cl. 46—103)



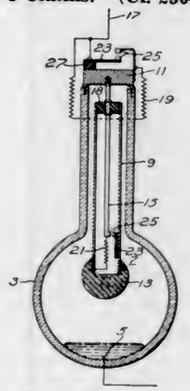
1. A toy comprising a toy body, a reaction member outside said body and connected to a shaft which projects from the body, and a motor in said body for rotating said shaft and thereby causing the body to roll over on the floor, said reaction member bearing against the floor and clearing said body during complete rotation of the body relative to the reaction member.

2,182,643

ANODE HEATER FOR HIGH VOLTAGE RECTIFIERS

Herbert A. Rose, Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 23, 1937, Serial No. 165,344
3 Claims. (Cl. 250—27.5)



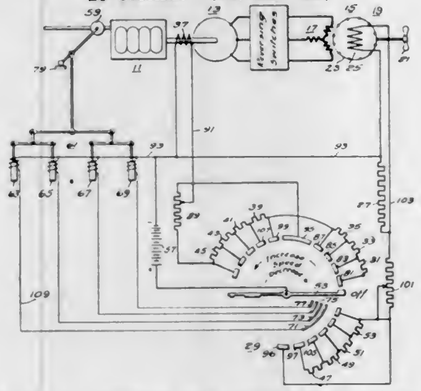
1. A vapor discharge device comprising a container, an anode and a vaporizable cathode for providing operating vapor, said anode having a hollow stem portion, a plurality of heaters in series with said anode at least one of which is inside said hollow stem, separate shunting means associated with said heaters, any one of said heaters capable of being disconnected from its working circuit by said shunting means.

2,182,644

SHIP PROPULSION

Walter Schaelchlin, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 6, 1937, Serial No. 173,189
10 Claims. (Cl. 290—17)



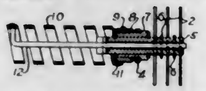
1. In an electric ship propulsion system in combination with a variable speed prime mover, a synchronous generator driven by the said prime mover, a synchronous alternating current motor having a field winding and a squirrel-cage winding arranged to drive a propeller and adapted to be connected to said generator to operate either as an induction motor or as a synchronous motor, means, comprising a single group of devices, for controlling the speed of said motor, said means including field excitation control means for the said generator, speed control means for the said prime mover and stability control means for the said system, said stability control means being adapted to simultaneously control the excitation of the generator and motor.

2,182,645

COMPENSATED CONDENSER

John L. Seibert, Cranford, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 10, 1937, Serial No. 163,198
2 Claims. (Cl. 175—41.5)



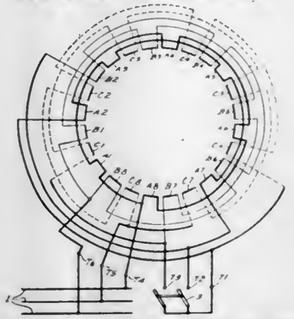
1. In an electrical condenser, the combination of a pair of members, one of which is rotatable relative to the other, said members being provided with interleaved plates, a support for the rotatable member comprising a spindle journaled in a bearing, said spindle having an extended portion of smaller diameter, a framework supporting the stationary member and said bearing, a bimetallic strip wound in the form of a helix, one end thereof being secured to a collar upon said bearing and the other end to said extended portion.

2,182,646

POLYPHASE ALTERNATING CURRENT MOTOR

Charles C. Shutt, Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 9, 1938, Serial No. 218,302
10 Claims. (Cl. 172—274)



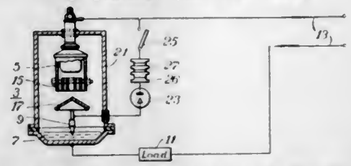
1. A three-phase, alternating current motor having a normally star-conected primary winding, each phase of said winding comprising a plurality of armature coils connected together in two parallel branches, the coils of each branch being uniformly distributed around the entire circumference of the motor, each of said branches being connected at one end to one of the parallel branches of another phase and to a neutral point to form a parallel star connection, and means for interrupting the connections to the neutral point during at least part of the starting period.

2,182,647

VAPOR ELECTRIC CONVERTER

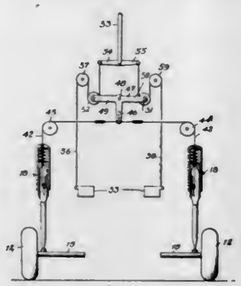
Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 26, 1938, Serial No. 192,775
6 Claims. (Cl. 175—354)



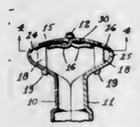
6. In an electrical conversion system having an arc discharge device comprising a plurality of main electrodes and an auxiliary electrode in contact with one of said main electrodes, an exciting circuit connected to said auxiliary electrode for initiating an arc in said device, a unidirectional current-carrying device in said exciting circuit, a pile of cooperating carbonaceous blocks having a non-linear volt-ampere characteristic connected in series with said unidirectional current-carrying device, said carbonaceous blocks being mounted in loose fitting engagement with each other so that the contact area between the blocks is very small whereby the potential drop through said pile is increased during the flow of excessive currents therethrough.

2,182,648
AIRPLANE
Guillermo Solomon, Santiago, Dominican Republic
Application February 28, 1939, Serial No. 258,883
6 Claims. (Cl. 244—50)



1. In combination with an airplane, landing wheels connected to the plane and having limited universal movement, of struts operatively connected with the wheels, extending rearwardly therefrom and consisting of sections, shock absorbers between sections, and means operatively connecting the shock absorbers with the rudder of the airplane whereby the movement of the shock absorbers controls the movement of the rudder when the plane is landing, taxiing or taking off.

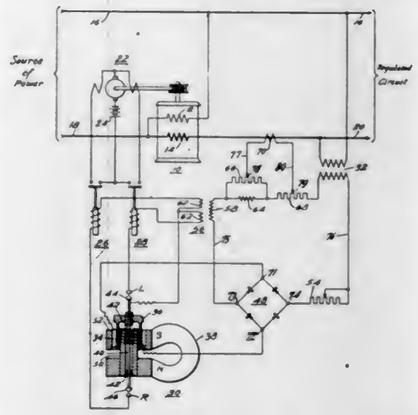
2,182,649
SAFETY RAZOR
Ralph E. Thompson, Brookline, and Angus A. Martin, Dorchester, Mass.
Application July 31, 1937, Serial No. 156,708
16 Claims. (Cl. 30—74.1)



5. A safety razor of the "Gillette" type comprising two cooperating handle portions and a blade holding head, the head having guard means along each lateral edge and comprising two portions pivoted together on a common axis and respectively integral with the two handle portions, alternately arranged teeth in side to side relation integral with the head portions and extending beyond the pivot axis for engaging the inner face of a double-edged blade supported at its outer face by both portions of the head when the razor is closed and having sharpened edges extending along the guard means, and latch means for holding the razor closed.

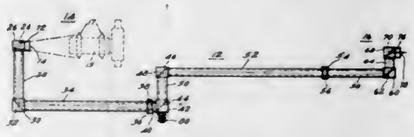
2,182,650
REGULATOR CONTROL EQUIPMENT
Lester G. Tubbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 30, 1936, Serial No. 88,142. Divided and this application June 9, 1937, Serial No. 147,310
5 Claims. (Cl. 171—119)

1. In combination, an electric circuit, means responsive to the voltage of said circuit, means including a voltage responsive circuit for applying a voltage to said voltage responsive means that is a measure of the voltage of said electric circuit, a line drop compensator for compensating said voltage responsive means for voltage drop in a portion of said electric circuit, comprising a fixed reactor and a resistor connected in series circuit



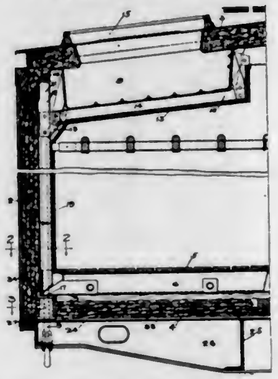
relation in said voltage responsive circuit, a resistor having an impedance of the order of 10 times the impedance of said reactor connected in parallel circuit relation to said reactor and means for applying a voltage between adjustable points on said two resistors that is a measure of the current in said electric circuit.

2,182,651
COMBINED MACHINE AND OPTICAL SYSTEM
Earl D. Wilson, Wilkinsburg, and Glenn E. Stoltz, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 17, 1938, Serial No. 190,996
3 Claims. (Cl. 88—72)



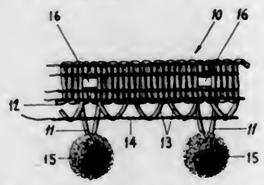
1. The combination with a rolling mill having an operator's pulpit so positioned as to prevent the operator from directly viewing the rolls of the mill and the area adjacent thereto while stationed in control position in the pulpit, a convex reflector positioned to provide a virtual image of the rolls and the area adjacent thereto, said reflector being disposed angularly with respect to the said rolls and the area adjacent thereto, a second reflector angularly disposed with respect to said convex reflector to project said image in the general direction of the operator's pulpit, an optical system for transferring said image to such a position in the pulpit as to permit the operator to view the image while stationed in control position, said optical system comprising a reflector and lens converging system for producing such dimensions of the image, as presented to the operator, as to make the apparent distance from the operator to the image substantially less than the actual distance from the operator to the image, and a substantially tubular enclosure and support for said convex reflector, said second reflector and said lens and reflector system, means supporting said enclosure and support in cooperative relation with the mill, said enclosure having transparent end portions through which light from said rolls and the area adjacent thereto is transmitted to said convex reflector and from said lens and reflector system to the operator.

2,182,652
RAILWAY REFRIGERATOR CAR
Ralph B. Winship, Montreal, Quebec, Canada
Application April 28, 1939, Serial No. 270,576
7 Claims. (Cl. 62—15)



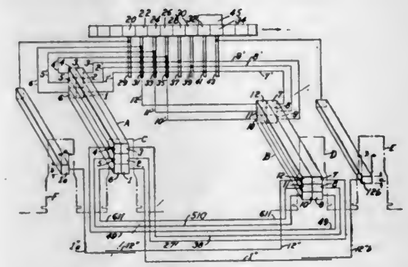
1. In a refrigerator car having an insulated wall and an insulated floor, said wall having a metallic sill, the edge of the floor insulating material extending under said sill, a metallic underframe positioned below said floor and means for supporting said sill on said underframe, said means comprising columns, the top ends of said columns rigidly secured to said sill and the bottom ends of said columns rigidly secured to said underframe, said columns being of small cross sectional area thereby limiting the transfer of heat between said sill and said underframe.

2,182,653
BALL FRINGED BRAID
Louis Boggero, New York, and Reuben Broder, Brooklyn, N. Y.
Application August 17, 1938, Serial No. 225,284
7 Claims. (Cl. 28—1)



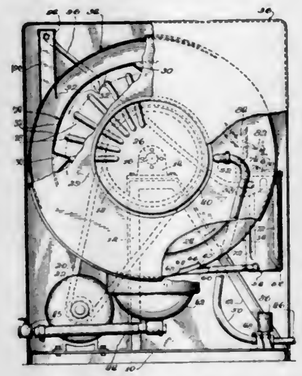
1. A ball fringed braid comprising elongated loops formed from wefts and depending from an edge thereof, a zig-zag thread depending from said edge and positioned intermediate said loops, an individual chain-stitched thread spaced from said edge a distance sufficient to permit connection with the lower ends of said zig-zag thread and with both sides of said loops, whereby said loops are reinforced against twisting and caused to lie open in the plane of said braid, and a ball carried by each of said loops.

2,182,654
SPLIT THROW ARMATURE WINDING
Paul Bollinger, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1938, Serial No. 210,187
12 Claims. (Cl. 171—228)



1. An an independent article of manufacture, an armature coil of two side portions comprising n complete turns and at least one additional one-half turn, where n is any integer, said half turn having a back end and commutator end tip bared for electrical connections.

2,182,655
WASHING AND DRY CLEANING MACHINE
Herbert C. Bowen, Detroit, Mich., assignor to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application March 12, 1937, Serial No. 130,444
10 Claims. (Cl. 68—18)

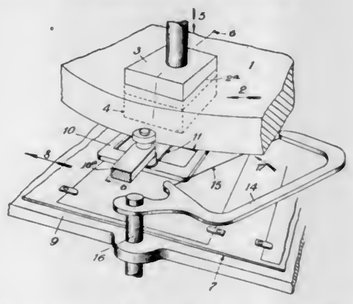


1. In combination, a receptacle adapted partially to be filled with liquid, a drum adapted to contain textiles mounted for movement within said receptacle, a float chamber in communication with the liquid-containing portion of said receptacle, means for controlling the level of liquid in said receptacle including a float in said chamber, a stack opening from said receptacle above the level of the liquid therein, and a conduit connecting said stack and said float chamber.

6. In a washing machine, the combination in-

cluding a receptacle adapted partially to be filled with liquid and sealed during operation, a drum adapted to contain textiles mounted for rotation about its axis within said receptacle, means for rotating said drum in one direction, and means including a stack communicating with the receptacle above the normal level of the liquid and on the side where the rotation of the drum is in a downward direction, a chamber vented to the atmosphere communicating with the liquid-containing portion of the receptacle through a conduit, and communicating with the stack through a second conduit, for maintaining the interior of said receptacle at atmospheric pressure and preventing leakage of liquid from said receptacle and a baffle plate in the receptacle covering the opening of the first named conduit and constructed to form with the inner periphery of the receptacle a tangential passage opening in the direction of rotation of the drum.

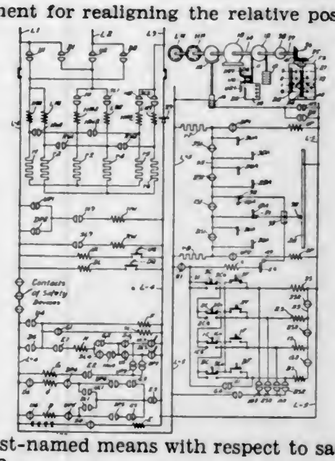
2,182,656
MACHINE FOR MOLDING AND DIVIDING PLASTIC MATERIAL
Fernand Bruggimann, Geneva, Switzerland
Application February 12, 1937, Serial No. 125,418
5 Claims. (Cl. 31—24)



1. A machine of the character described comprising a plate having a cell adapted to contain a pasty material, a piston forming one end of the cell and being movable outwardly of said cell, a stationary frame having cutting wires located at the exit of the cell and being adapted to have said pasty material impressed therethrough as said material is expelled from the cell by said movement of the piston, the resulting cut portions adhering to the bottom of the piston, and a separating organ operable in the plane of the bottom of the piston and below said frame to detach said material.

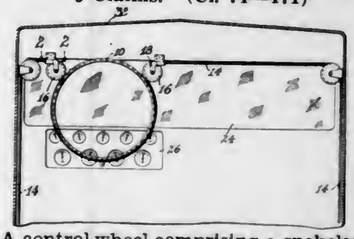
2,182,657
ELEVATOR
Charles F. Carney, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois
Application December 21, 1937, Serial No. 180,956
14 Claims. (Cl. 187—29)

8. In an elevator control system for an elevator car operable past a plurality of floors in which the car is caused to stop at any floor in response to the operation of a push button associated with said floor; means movable in accordance with the position of said car for causing said car to stop accurately at any one of said floors, additional means responsive to said first-named means not moving in accordance with movements of said car for causing an additional movement of said car, and means responsive to said additional movement for realigning the relative position of



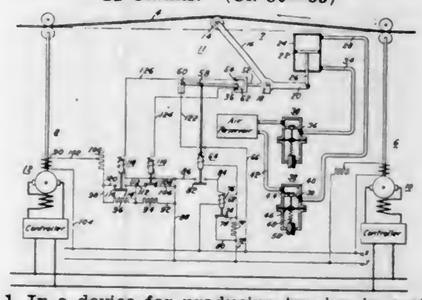
said first-named means with respect to said car's position.

2,182,658
CONTROL WHEEL
Roland Chilton, Ridgewood, N. J.
Application February 7, 1939, Serial No. 254,991
9 Claims. (Cl. 74—471)



1. A control wheel comprising a spokeless hand rim having a cable groove therein, a pair of grooved pulleys in rolling contact with said rim, and a control cable wrapped in tension around said rim and pulleys to maintain such rolling contact.

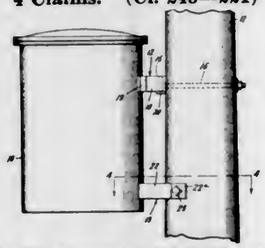
2,182,659
FORCE REGULATING SYSTEM
Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1938, Serial No. 209,974
11 Claims. (Cl. 80—35)



1. In a device for producing tension in a strip of material as it passes between adjacent work devices, roller means disposed to engage the strip to produce lateral displacement of the strip and

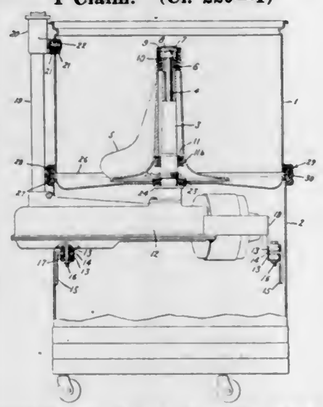
subject it to a tension, and means for pressing said roller means against the strip comprising a pressure fluid operated device, a source of fluid under pressure, pressure regulating means between said pressure fluid operated device and said source of fluid pressure, and means biasing said pressure fluid operated device for movement in a direction opposite to the direction of movement of the device by the regulated pressure, the force of said biasing means being at least equal to the force exerted upon said pressure fluid operated device when the fluid pressure on said pressure fluid operated device is the minimum that can be properly regulated by said pressure regulating means.

2,182,660
TRANSFORMER SUPPORT
Edward W. Dillard, Wellesley, Mass.
Application January 24, 1939, Serial No. 252,615
4 Claims. (Cl. 248—221)



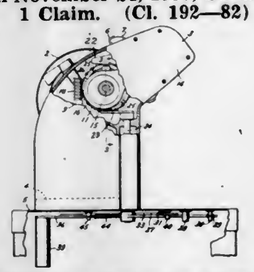
4. Means to secure a transformer to a pole including a bolt to pass through said pole, an upper supporting member having two spaced sides secured to said transformer and having an outwardly offset central portion, said central portion having a downwardly open slot to receive said bolt, and the lower edge of said central portion having integral in-turned flanges extending under the head of said bolt and preventing relative upward displacement of the transformer, and a lower supporting structure separate from the upper supporting member and secured to the transformer and engaging and secured to said pole at two laterally spaced points.

2,182,661
WASHING MACHINE AND THE LIKE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application May 14, 1937, Serial No. 142,647
1 Claim. (Cl. 220—1)



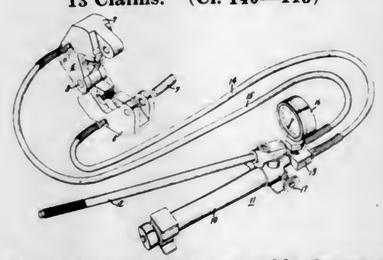
In combination, a tub, a sheet metal skirt, a bead on the side wall of said tub, said skirt being provided with an annular offset portion at the upper edge thereof forming a shoulder cooperating with said bead on said tub, portions of said offset portion being crimped over said bead, and a non-metallic strip extending from between said tub and said skirt, over the edge of the skirt, and around the outside of said skirt.

2,182,662
CONTROL FOR IRONERS
George W. Dunham, Westport, and Raymond T. Lautz, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York
Application November 24, 1937, Serial No. 176,286
1 Claim. (Cl. 192—82)



In combination, a driven member, mechanism for effecting rotation of the driven member in successive steps, a member for controlling said mechanism comprising a knee pad carried by a pivotal lever and a link operated thereby, said link having a series of portions spaced along its length engageable with a portion on said lever to provide a connection between the lever and different portions of the link whereby the position of the lever is adjustable, and a spring connected to the link for urging the link into engagement with the lever and for biasing the link to a normal position from which it may be moved by the lever.

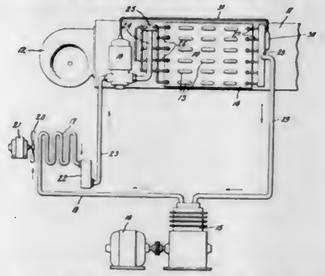
2,182,663
HYDRAULIC PRESS FOR ELECTRIC CABLES AND METHOD OF UTILIZING THE SAME
Eugene D. Eby and Thomas C. Aitchison, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application February 19, 1938, Serial No. 191,556
13 Claims. (Cl. 140—113)



1. A press comprising separable frame members arranged to encircle a piece of work, means for converting the members when they encircle the work, cylinders formed in each of the members, each cylinder in one member being in the same diametral plane as a cylinder in another member, a ram for each cylinder, a punch for each ram, for indenting the work, a fixed guide block having radical openings for the punches and also a central work receiving opening, the

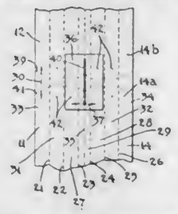
wall of which limits the radial distortion of the work extending therethrough as the punches move inwardly, and means admitting fluid under pressure simultaneously to all of the cylinders to cause the rams to force the punches into the work and form indentations therein.

2,182,664
REFRIGERANT DISTRIBUTOR FOR COOLING UNITS
Floyd D. Gowans, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application December 17, 1936, Serial No. 116,393
3 Claims. (Cl. 62—127)



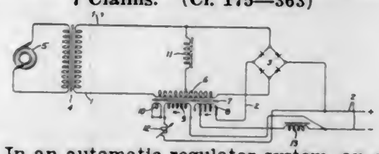
2. In a cooling unit including a plurality of evaporators and an expansion valve having an inlet and an outlet for conveying refrigerant to said unit, an arrangement for providing uniform distribution of liquid and gaseous refrigerant to the evaporators comprising an upright cylindrical distributing header having an inlet opening about the central vertical axis thereof, means including a tube having a vertical portion communicating with said header through said inlet opening for conveying refrigerant from the expansion valve to said header, means including a plurality of outlet conduits secured to said header radially thereof and substantially at right angles to said tube for connecting said header and the evaporators, said conduits being spaced equally and all of said conduits opening into said header at substantially the same level and at substantially the same distance from said inlet opening of said header.

2,182,665
GARMENT HANGER
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application December 23, 1937, Serial No. 181,355
3 Claims. (Cl. 223—88)



1. A garment hanger constructed from a strip of paper folded lengthwise to provide a central portion and marginal portions turned back toward the central portion, said strip being bent transversely at spaced localities to form a cross frame member and side frame members connected therewith, reinforcing plates disposed between the portions of said side frame members at the ends thereof and concealed at their edges by the folds of said strip of paper and a supporting member extending jointly through all of the portions of said side frame members and said reinforcing plates.

2,182,666
ELECTRICAL REGULATING SYSTEM
Stanley M. Hanley, Detroit, Mich.
Application April 30, 1938, Serial No. 205,298
7 Claims. (Cl. 175—363)



1. In an automatic regulator system, an alternating current supply circuit, a direct current load circuit, a bridge-connected rectifier interconnecting said circuits, an iron core reactor having a variable reactance alternating current winding connected in series in said supply circuit, a self-saturating iron core reactor connected in shunt circuit relation with said supply circuit on the load side of at least a portion of said variable reactance winding, the iron core of said reactor having a direct current saturated leg, a saturating winding on said leg connected in series in said load circuit, a second saturating winding on said leg connected in shunt with said load circuit, and a short-circuited winding on said leg.

2,182,667
ELECTRICAL CABLE
Fred R. Kaimer, York, Pa., assignor to General Electric Company, a corporation of New York
Application April 14, 1937, Serial No. 136,756
10 Claims. (Cl. 174—121)

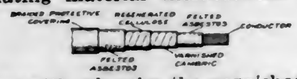


1. A flexible, flame- and moisture-resisting electrical cable of high dielectric strength comprising a metallic conductor and insulation therefor comprising, in direct combination one with the other, at least one layer of vulcanized rubber composition containing halogenated aromatic carbon ring compound, the said rubber composition having a tensile strength of at least 1200 pounds per square inch and a minimum stretch before rupture of a 2-inch section on a 6-inch test specimen of at least 400 per cent, and at least one layer of felted asbestos thereover and which is coated and impregnated with a composition comprising halogenated aromatic carbon ring compound.

2,182,668
ELECTRICAL CONDUCTOR AND INSULATION THEREFOR
Fred R. Kaimer, York, Pa., assignor to General Electric Company, a corporation of New York
Application April 14, 1937, Serial No. 136,757
5 Claims. (Cl. 174—121)

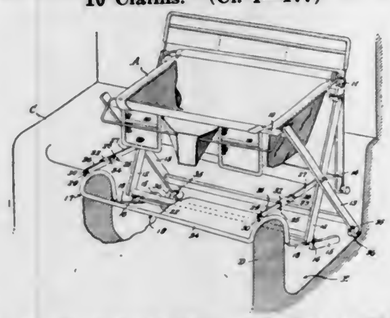
1. In an insulated electrical conductor, a metallic conductor element and insulation therefor comprising varnished fabric and inorganic fibrous insulating materials the former being susceptible

of abrasion by the latter, and a relatively thin sheet of moisture and abrasion-resistant electrically insulating material therebetween and in



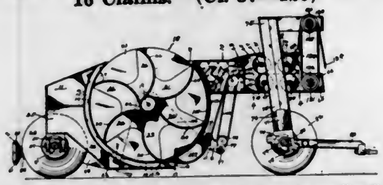
contact therewith whereby the varnished fabric is protected from the abrasive action of the inorganic fibrous material.

2,182,669
INFANT'S BATHING DEVICE
Dewey M. Kennedy, Rochester, N. Y.
Application September 30, 1939, Serial No. 297,401
10 Claims. (Cl. 4—177)



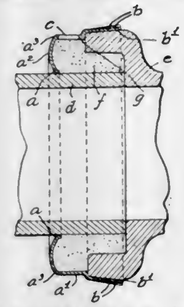
1. In an infant's bathing device, a cross leg support including pivotally connected pairs of front and rear legs, each of said front legs having a hingedly connected lower portion thereof adjustable from an active position in alignment therewith for engagement with the floor, to an inactive position, and means carried by said front leg portions and adjustable therewith for engaging the front wall of a bathtub to cooperate with the rear legs for supporting said bathing device within said bathtub when the front leg portions are adjusted to an inactive position.

2,182,670
HEAVY DUTY SCRAPER
Charles Le Bleu, Los Angeles, Calif.
Application January 24, 1936, Serial No. 60,674
16 Claims. (Cl. 37—126)



1. A machine of the character described comprising a main frame structure adapted to travel over a surface to be treated and having a housing formed with an intake opening at its forward side for passage of material, a scraper carried by said frame beneath said opening, a multiple compartment carrier rotatable with relation to said main frame structure, said individual compartments of said carrier to receive material scraped up by the scraper as they successively move to the loading position in register with said intake opening, means for imparting step by step movement to the carrier to bring empty compartments successively into said loading position and to move the loaded compartments away from said loading position, and a shutter arranged and mounted relative to said intake opening and operable to close the intake opening to retain material loaded into the carrier until ready for discharge.

2,182,671
DEVICE FOR USE IN MAKING PIPE JOINTS
Joseph Henry Lowe, Eastcote, Pinner, England, and William King, deceased, late of Eastcote, Ruislip, England, by Ian Waveney Girvan, executor, Denham Village, England, assignors to The Pipe-Joint Manufacturing Company Limited, London, England, a British company
Application May 1, 1939, Serial No. 271,132
In Great Britain August 3, 1937
1 Claim. (Cl. 285—119)



A one piece shroud for use in joining spigot and socket pipes formed with an inwardly curled portion adapted to grip the spigot and with a corrugated portion adapted to fit onto the collar, an aperture being provided for the introduction of bonding material.

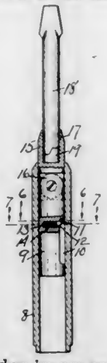
2,182,672
METHOD OF RESTORING INKED DOCUMENTS
Alexander Lowy and Clyde H. Campbell, Pittsburgh, Pa.
No Drawing. Application April 8, 1938, Serial No. 201,020
3 Claims. (Cl. 8—7)

1. The method of revivifying iron containing faded characters on documents which consists in treating the characters with an acid solution of potassium ferrocyanide, washing the paper, and subjecting the paper so treated to the action of a precipitating solution which will cause the potassium ferrocyanide remaining on the paper to be changed to an insoluble stable substance of a contrasting color to the revived characters, and washing the paper.

2,182,673
SCREW DRIVER
Everino Magnano, Durham, Conn.
Application March 16, 1938, Serial No. 196,171
1 Claim. (Cl. 145—61)

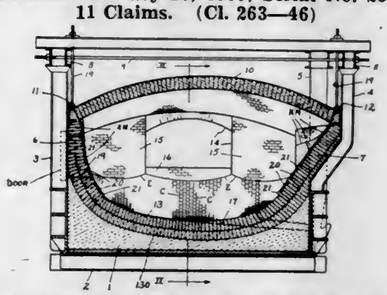
A screw driver including a hollow handle, a carrier slidably mounted in the handle and having one side thereof flattened with abutment shoulders at the ends of the flattened portion forming a recess, a retaining pin secured to the handle and transversely projecting through said recess and to be engaged by said abutment shoulders to limit the movement of the carrier, a spring-pressed detent supported on the carrier and engageable with said pin, said spring-pressed detent being forcible to opposite sides of said pin to permit movement of the carrier in opposite

directions, a tool holder pivotally attached to said carrier and adapted to be moved into the handle



to retain said holder in an extended position, and means on said holder to removably receive a tool.

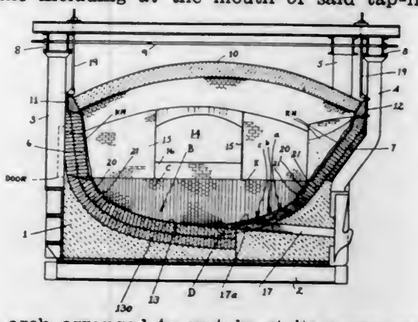
2,182,674
OPEN-HEARTH FURNACE
Alexander M. Morton, Monessen, Pa.
Application January 10, 1939, Serial No. 250,132
11 Claims. (Cl. 263—46)



1. A metallurgical furnace having an elongate metal-refining chamber formed by two oppositely arched domes of refractory brickwork, one dome providing the roof of said chamber and the other dome providing within the continuity of its arch the front wall, the hearth, and the back wall of such chamber, the bricks in said hearth dome being subject to compressive stress on arch lines of the dome, with the effect that in service the softening bricks in the heated hearth are consolidated and secured in position to sustain a bath of molten metal of superior specific gravity, a plurality of bricks in such hearth dome being extended inward from the arched expanse of the brickwork and providing anchorage for applied coatings of refractory material.

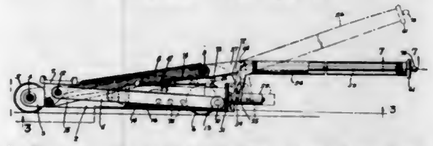
2,182,675
METALLURGICAL FURNACE
Alexander M. Morton, Belle Vernon, Pa.
Application June 29, 1939, Serial No. 281,866
8 Claims. (Cl. 263—46)

1. A metallurgical furnace whose hearth, front wall and back wall consist in an inverted dome of refractory brickwork, in which the front wall and back wall portions extend upwardly and outwardly from the hearth portion, said brickwork being compressed on the arch lines of the dome, and softening under the heat of service, being consolidated under compressive stress, and the individual bricks in the hearth portion being secured in position to sustain a bath of molten metal of superior specific gravity, a tap-hole opening through the hearth, the brickwork of said dome including at the mouth of said tap-hole



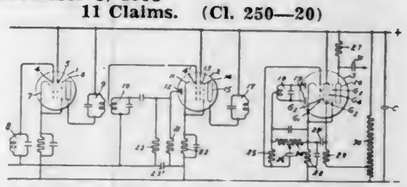
an arch arranged to sustain at its crown compressive stress effective upon the transverse arch lines of the dome.

2,182,676
JACK
Harold Nilson, Wayzata, Minn., assignor of one-third to John A. Edeby, Wayzata, Minn., and one-third to Emil Berglund, Minneapolis, Minn.
Application February 5, 1937, Serial No. 124,279
5 Claims. (Cl. 254—2)



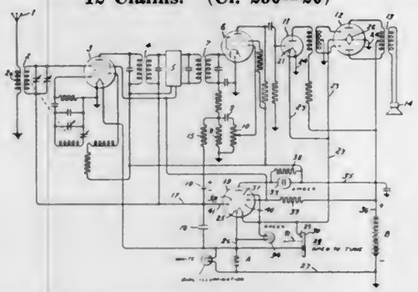
1. In an apparatus of the class described, a wheel supported frame, an arm having one end pivoted to the frame, a lifting head pivotally connected to the opposite end of said arm, a strut having one end connected to the head, a member operatively connected to the opposite end of the strut and adapted for horizontal traveling movement on the frame, thereby to elevate the lifting head, an operating mechanism for said member including an operating lever adapted, upon oscillatory movement, to impart traveling movement to the lower end of the strut in a direction to elevate the lifting head, and means for locking the strut against return movement when the lifting head is in an elevated position.

2,182,677
HIGH FREQUENCY RECEIVING APPARATUS
Ernest Y. Robinson, Enfield, England, assignor to General Electric Company, a corporation of New York
Original application July 25, 1934, Serial No. 736,837. Divided and this application September 3, 1936, Serial No. 99,245. In Great Britain November 8, 1933
11 Claims. (Cl. 250—20)



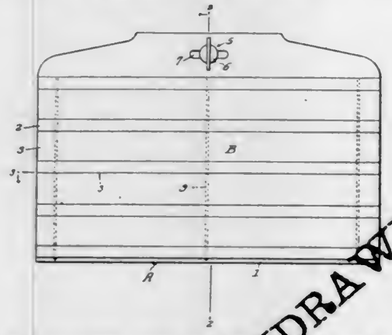
1. In combination, an electron discharge device having an anode, a cathode, and a grid interposed between said anode and cathode, means to supply to said grid a voltage varying negatively with respect to said cathode, and means responsive to variations of said voltage in the negative direction from the cathode voltage to increase the flow of electrons to said anode.

2,182,678
SILENT TUNING
Charles S. Root, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application September 28, 1937, Serial No. 166,057
12 Claims. (Cl. 250—20)



12. The combination, in a signaling system, of means for tuning said system to a selected operating frequency, means for amplifying signal oscillations, means for visually indicating the accuracy of tuning of said receiver to said selected operating frequency, said last named means being normally deenergized, and means responsive to the energization of said last named means to provide a tuning indication for reducing the amplification of said amplifying means.

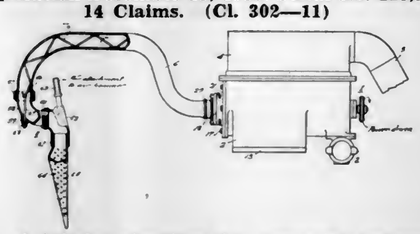
2,182,679
LADY'S HANDBAG
Earl Gresh, St. Petersburg, Fla.
Application March 15, 1938, Serial No. 196,547
3 Claims. (Cl. 150—28)



1. A frameless handbag having end walls and continuous side and bottom walls, said continuous side and bottom walls having a stationary position relative to the end walls, said continuous side and bottom walls formed of a series of flexibly connected rigid strips arranged with the side edges of one strip abutting the confronting edges of the adjacent strip, and a strand passing through portions of all the strips intermediate the end strips to join the series together and form the continuous side and bottom walls.

UNDRAWN

2,182,680
CONVEYER APPARATUS
Walter S. Rugg, Pittsburgh, and Alexander Palmros, Rochester, Pa.
Application December 15, 1936. Serial No. 115,958
14 Claims. (Cl. 302—11)

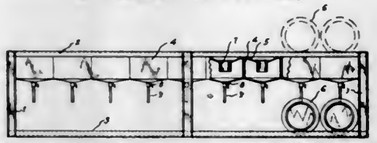


1. A tubular structure for conveying material comprising substantially helically wound flexible self-sustaining means for scraping the walls of said structure, said means having a power-driven end and the pitch of said means varying directly in accordance with the distance from said driven end.

9. In combination, a tubular structure for conveying material comprising substantially helically wound means for scraping the walls of said structure, a suction structure at one end of said tubular structure, said helical means having a pivotal connection therewith, and power-driven means at the other end of said helical means having a readily detachable connection therewith.

12. A substantially cylindrical casing having a loading inlet and a discharge outlet, and a rotatable valve member within said casing for continuously receiving material from said inlet and discharging material through said outlet, said valve member having flexible blades thereby to produce when they unflex an effective ejecting movement.

2,182,681
APPARATUS AND METHOD OF REGAUGING DISTILLED SPIRITS
Harry Seibel, Lawrenceburg, Ind.
Applicaton September 7, 1937, Serial No. 162,650
3 Claims. (Cl. 73—51)

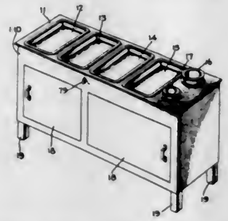


1. Apparatus for regauging spirits comprising an elevated support comprising an upper runway for receiving a series of filled spirit packages, an underneath runway for receiving said series of packages after they have been emptied and weighed, a series of spaced tanks supported between said runways, each having sufficient capacity for holding the contents of a package, said tanks provided with antisplashing aprons, and detachable strainer means associated with said aprons.

2,182,682
FOOD WARMING TABLE
Jacob L. Shroyer, Oak Park, Ill., assignor, by mesne assignments, to Edison General Electric Appliance Company, Incorporated, a corporation of New York
Application December 8, 1936. Serial No. 114,788
11 Claims. (Cl. 219—19)

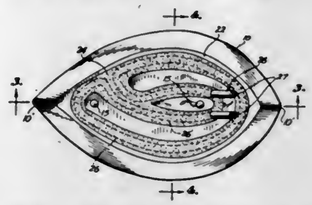
3. In a food warming table having a remov-

able food receptacle directed through an aperture provided for it in the top of the table, a metallic insert formed of good heat conducting material beneath said receptacle having a shape corresponding to the shape of that part of the receptacle below the top of the table and spaced from the receptacle to define an air space between the receptacle and insert, a heating ele-



ment associated with the insert, a thermostat beneath the insert in thermal relation with it controlling the heating element in accordance with the temperature of the insert, and a temperature adjustment element for said thermostat directed upwardly through the insert and having an adjustment member between the insert and the receptacle accessible for adjustment when the receptacle is removed.

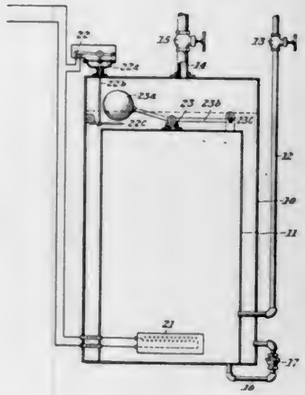
2,182,683
ELECTRIC IRON
James W. Steele, North Kansas City, Mo.
Application December 5, 1938, Serial No. 244,058
3 Claims. (Cl. 219—25)



1. A hand iron having a base or sole plate portion of approximately oval form provided with pointed or nose portions at its opposite ends, and an electric heating element imbedded in said base portion and comprising a coil extending parallel and in close heating relation to the edge of said base portion entirely around the iron, the terminals of said heating element extending upwardly and completely to the exterior of the iron for making direct connection with the source of the heating current.

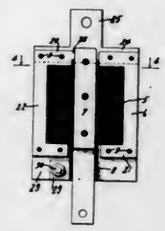
2,182,684
GAS GENERATOR
William Mayo Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey
Application January 13, 1939, Serial No. 250,697
12 Claims. (Cl. 62—1)

1. Gas generating apparatus comprising, in combination, a container with its outer surface in heat-exchange contact with the earth, a reservoir for liquid within said container, a connection between the reservoir and the container permitting the passage of liquid from the reservoir but preventing its return, means for withdrawing gas from the container, and heating means within the reservoir adapted to establish a higher temperature and consequently a higher



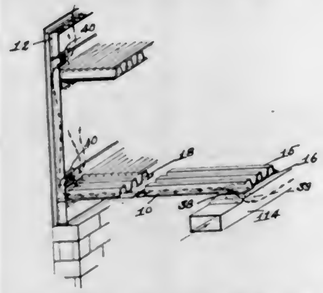
pressure of gas within the reservoir than that of gas in the container.

2,182,685
SOLENOID
Charles N. Weiler, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application August 14, 1937, Serial No. 159,120
1 Claim. (Cl. 175—341)



In combination, a solenoid coil, a magnetic core surrounding said coil and comprising vertical legs adjacent the outer surface of said coil and horizontal legs integral with said vertical legs respectively and projecting towards each other along the ends of said coil, the ends of said horizontal legs being spaced from each other to receive an armature, a non-magnetic sleeve extending through said coil transverse of the lower horizontal legs of said core and partly transverse of the upper horizontal legs of said core, an armature movable axially into said coil upon the energization thereof into an upper position wherein the upper end of said armature substantially fills the space between the ends of said upper horizontal legs and a projection on one of said horizontal legs extending over the end of said sleeve and having an end surface substantially flush with the inner surface of said sleeve whereby said armature when moving to its upper position is attracted and frictionally retarded by said magnetic projection for only a portion of its upward movement and only at the end of its stroke.

2,182,686
BUILDING CONSTRUCTION AND SYSTEM FOR CIRCULATING AIR
James Howard Young, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 7, 1936, Serial No. 94,788
3 Claims. (Cl. 98—32)



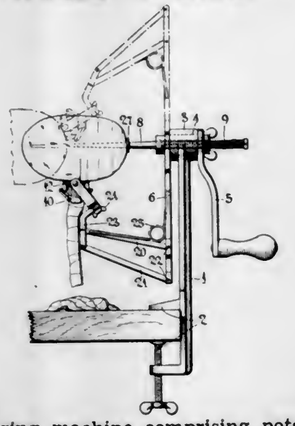
1. In a building, in combination, a multicellular metallic building section supporting structure having a plurality of elongated substantially parallel air cells closed in cross section whose walls form hollow load supporting members providing the primary load supporting members of said structure, an air delivery conduit extending transversely of said cells and connected to a selected plurality thereof, registers communicating with the interior of said building and connected to said selected cells at points spaced from said conduit to supply air to said interior, an air discharge conduit extending transversely of said cells and being connected to a selected plurality of other of said cells, other registers communicating with said interior and connected to said other cells at points spaced from said discharge conduit to withdraw air from said interior, and means for causing air to flow through said delivery conduit, said first mentioned cells and said first mentioned registers into said interior and be discharged from said interior through said other registers, said other cells and said discharge conduit.

2,182,687
WEATHER STRIP
David C. Bailey, Amesbury, Mass.
Application December 23, 1938, Serial No. 247,337
2 Claims. (Cl. 20—69)



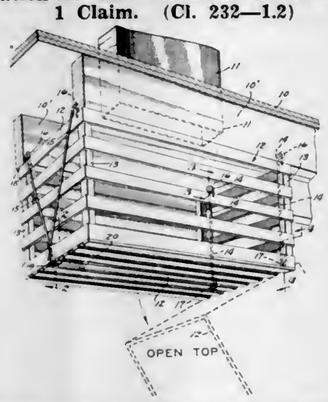
1. A weather strip having a core consisting of a strip of sheet metal having one edge portion continuous and bent reversely and having a series of equally spaced tongues extending transversely therefrom, said tongues being bent at their ends towards the back side of the core and then reversely towards the front side thereof, forming enlarged end portions, a cushioning strip on the face side of the core having one edge portion clamped by the continuous edge portion of the core and having the opposite edge clamped between the ends of the tongues and the front sides thereof, and a U-form ornamental bead slidably mounted on and enclosing said end portions of the tongues.

2,182,688
PARING MACHINE
Walter H. Buchhagen, Buffalo, N. Y.
Application October 12, 1936, Serial No. 105,339
11 Claims. (Cl. 146—43)



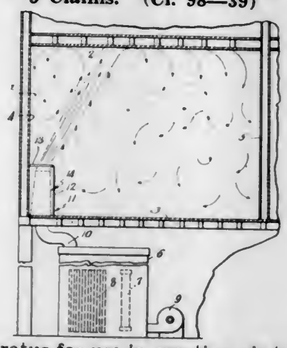
1. A paring machine comprising potato supporting means including a potato impaling member and a bearing therefor, paring means comprising a cutter supported for movement toward and away from said impaling member, resilient means urging said cutter toward said impaling member and means for imparting a defined rotary movement to said cutter in its movements toward and away from said potato impaling member, said paring means being mounted for rotation about the axis of said impaling member, and means for imparting a rotary motion thereto.

2,182,689
CATCH BASKET FOR CLOTHES CHUTES
Carl E. Carlson, Minneapolis, Minn., assignor to Leslie R. Carlson, Minneapolis, Minn.
Application November 19, 1938, Serial No. 241,443
1 Claim. (Cl. 232—1.2)



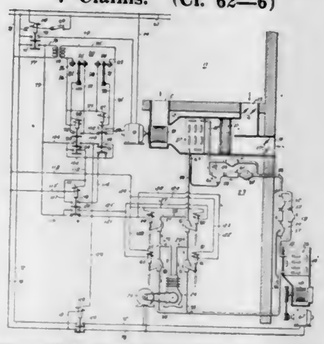
The combination with an overhead support and a delivery chute therein, of a basket normally located below said chute, individual links independently and freely pivoted to said support at their upper ends and pivotally connected to the lower rear end portion of the basket at their lower ends, and a latch-acting link at the front end of said basket hung from said overhead support and detachably engageable with the front end of the basket, to hold the basket in the normal receiving position noted.

2,182,690
AIR CONDITIONING APPARATUS
Edwin Q. Cole, Belmont, Mass.
Application May 15, 1937, Serial No. 142,789
5 Claims. (Cl. 98—39)



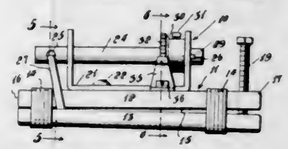
1. Apparatus for use in creating air turbulence in a confined space having a ceiling and walls, said apparatus comprising means for creating an air current, a smoothly converging conduit for leading the air current to the vicinity of said space, and air discharge means located within the space, said discharge means defining a group of closely adjacent Venturi-type orifices directed upwardly toward the ceiling with their axes substantially parallel and arranged collectively to deliver the air in a plurality of contacting jets, each tending to expand laterally whereby the emergent stream tends to follow a substantially straight path for a considerable distance from the point of discharge, the current-creating means being operative to deliver a stream having a discharge velocity sufficient to cause it forcibly to impinge upon the ceiling.

2,182,691
CONDITION CONTROL SYSTEM
Harry R. Crago, Verona, N. J., assignor to General Electric Company, a corporation of New York
Application May 20, 1937, Serial No. 143,753
7 Claims. (Cl. 62—6)



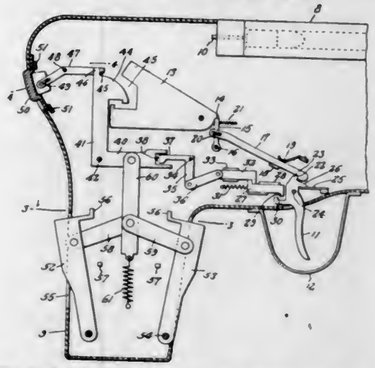
4. A reversible heat transfer system for an enclosure comprising an evaporator-condenser unit within said enclosure, an evaporator-condenser unit outside of said enclosure, a compressor and connections for circulating heat transfer fluid between said evaporator-condenser units, valves in said connections for selectively controlling and reversing the heating and cooling functions of said evaporator-condenser units, a motor for operating said compressor, thermally actuated means responsive to predetermined low and high temperature limits within said enclosure for correspondingly adjusting said valves for heating and cooling said enclosure and for simultaneously starting said motor, and means actuated upon a predetermined rise in temperature above said low limit and a predetermined drop in temperature below said high limit for stopping said motor, and means for maintaining the adjustment of said valves upon the stopping of said motor.

2,182,692
BIRD CALLER
Oliver H. Harbin, Mobile, Ala.
Application March 23, 1939, Serial No. 263,818
6 Claims. (Cl. 46—180)



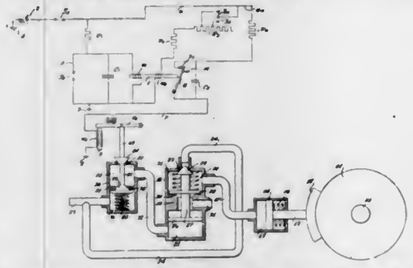
1. A device of the class described comprising a body portion formed of sections provided with concave adjacent faces, elastic means connecting said sections, a shaft, means carried by said body portion for journaling said shaft and for positioning it above and longitudinally thereof, pawl and ratchet means associated with said shaft for controlling its turning movement, and an elastic member extending transversely between said sections, adjacent one end thereof, and connected to said shaft whereby a portion of said member will be wound thereon when the shaft is turned to tension the member.

2,182,693
SAFETY DEVICE FOR FIREARMS
William M. Harton, Conway, Ark.
Application June 30, 1938, Serial No. 216,796
2 Claims. (Cl. 42—70)



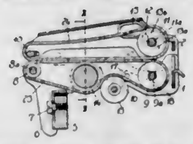
1. In a firearm of the class described, the combination with a hammer and trigger, of a safety device embodying a sliding hooked end trigger locking element and an L-shaped hammer locking element and mechanism operatively connecting said elements for substantially simultaneously operating said elements to free the trigger and hammer, said mechanism including means operatively connecting said locking elements, a pair of oppositely disposed pivoted grip members and spring biased link means connecting said grip members with said L-shaped locking element.

2,182,694
ANTI-WHEEL-LOCK SYSTEM
Clarence Floyd Hirshfeld, Detroit, Mich., and Alexander H. Brown, New York, N. Y., assignors, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York
Application February 21, 1935, Serial No. 7,587
13 Claims. (Cl. 303—21)



1. In combination in a vehicle including wheels and an axle and manually controlled means for applying brakes thereto, automatic means for releasing said brakes subsequent to a slipping of said wheels, a time delay device, automatic means subject to said time delay device and responsive to the automatic releasing means for re-applying said brakes, and manual means for altering at will the time factor introduced by said time delay device.

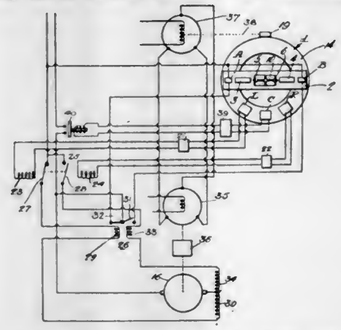
2,182,695
SPINNING FRAME
Kikutaro Honda, Toyonaka, Japan
Application November 30, 1937, Serial No. 177,374
In Japan February 16, 1937
4 Claims. (Cl. 19—131)



1. A spinning frame comprising in combination, an idle roll, a cradle having a tenser mounted thereon, top and bottom endless belts each circling said idle roll and said tenser so as to carry and draft yarn fibers between them, a roll stand, a driving roll journaled on said roll-stand and in contact with the bottom belt at a part between the bottom of said tenser and the bottom of said idle roll, and a tension effecting roll mounted on the cradle for pressing the bottom belt on the driving roll.

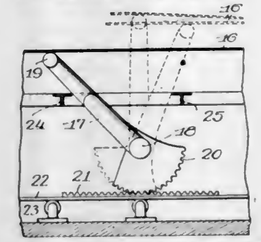
2,182,696
CONTROL SYSTEM
Price W. Janeway, Jr., Media, Pa., assignor to Britton Chance, Mantoloking, N. J.
Application March 13, 1939, Serial No. 261,638
8 Claims. (Cl. 172—239)

1. In an electrical control apparatus of the follow-up type, a pair of spaced light sources, a light-sensitive device, means for rendering one only of said sources effective to produce a light beam interceptable by said light-sensitive device, means operable to effect a control function in response to activation of said light-sensitive device by said light beam, follow-up means for effecting follow-up relative movement between the light beam and said light-sensitive device, and means for rendering said one source ineffective and the other source effective to produce a light



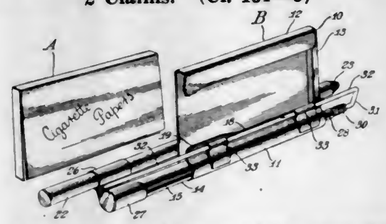
beam displaced from the first-mentioned beam to thereby vary the follow-up action.

2,182,697
MEANS FOR DEFINING ROADWAYS
Otto Kopp Jelinek, Chicago, Ill.
Application September 28, 1938, Serial No. 232,242
4 Claims. (Cl. 94—1)



1. Apparatus of the character described for providing, in conjunction with a longitudinal barrier, a roadway of variable width, including: a plurality of barrier means spaced at different distances from said longitudinal barrier; and means for rendering each of said barrier means effective or ineffective as a barrier to vehicles moving in said roadway.

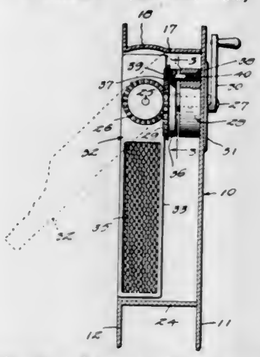
2,182,698
CIGARETTE MAKER
Hugh Forrester Kirkwood, Bucksport, Maine
Application March 13, 1939, Serial No. 261,579
2 Claims. (Cl. 131—5)



1. A cigarette making machine comprising a casing for receiving loose tobacco, a trough opening into the casing for the flow of tobacco therein, a barrel aligned with the trough and in communication therewith and adapted to receive a rolled cigarette wrapper, releasable capping means for fitting the barrel to retain the wrapper therein, a turnable feed spiral for delivering the tobacco into the wrapper from the trough

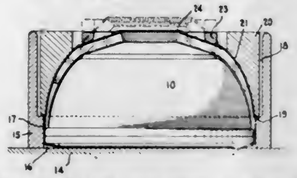
and displaceable relative to the latter, a slide for the spiral associated with the trough, a mandrel for the rolling of the wrapper and removably received in the barrel, means for hanging the mandrel to the casing, and means for removably fitting the capping means on the mandrel.

2,182,699
VEHICLE DIRECTION SIGNAL
Joseph A. Maxwell, Drew, Miss.
Application March 27, 1939, Serial No. 264,436
1 Claim. (Cl. 116—52)



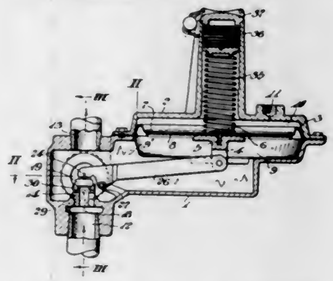
In combination a supporting member having spaced front and rear walls, a direction signal, a housing entirely confined within said walls and having an upper compartment and a lower compartment depending from and opening into the said upper compartment, said compartments being open at their fronts, and said front wall having an opening communicating with said compartments, a rotatably supported driven gear, a driving gear for said driven gear, said gears arranged in said upper compartment, a rotatable shaft carrying said driving gear, a bearing for said shaft arranged in said upper compartment, said shaft extending through said rear wall and provided on its rear end with a crank arm for rotating it, said driving gear being provided in its rear face with spaced closely related sockets, a spring-pressed member carried by said bearing permanently urged towards said driving gear to selectively engage in a socket to latch said shaft, a stationary dial plate secured to said rear wall for correlation with said crank and sockets and through which extends said shaft, and a signal member fixed to said driven shaft movable out of and into the lower portion of said lower compartment.

2,182,700
APPARATUS FOR PACKAGING PRODUCTS
Edward A. Muller, Long Island City, N. Y.
Application June 6, 1938, Serial No. 212,197
2 Claims. (Cl. 93—2)



1. A device of the type described for facilitating closing and sealing of a crinkled edge package wrapper comprising a guide block having an opening formed therein adapted to receive said package with said wrapper loosely positioned circumjacent thereto, the interior contour of said opening substantially conforming to the outline of the package whereby the wrapper is snugly pressed against the sides of said package; a first annulus, receivable within said opening in said block and on the free extended end and edge portions of said wrapper, the contour of said first annulus adjacent said package substantially conforming to the outline of said package whereby said wrapper is pressed snugly against said package and the free end and edge portions of said wrapper are moved toward the axis of said annulus; and a second annulus, receivable within said opening in said first annulus and on the free extended end and edge portions of said wrapper, whereby axial movement of said annulus member toward said package causes said end and edge portions of said wrapper to approach each other and dispose themselves in substantially a common plane.

2,182,701
SERVICE REGULATOR
Fritz Niesemann, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application July 23, 1934, Serial No. 736,595. Divided and this application September 2, 1938, Serial No. 228,224
10 Claims. (Cl. 50—26)



1. In a pressure regulator or controller, a casing providing a pressure control chamber, a control member adapted to fluctuate in response to changes in pressure within said chamber, an inlet for fluid under pressure, an outlet opposite said inlet, a valve assembly comprising a valve seat at the inner end of said inlet and a valve having a face arranged to co-operate with said seat for controlling fluid flow into said chamber, said valve assembly comprising means to induce a tubular fluid flow around the face of said valve expanding beyond the valve to form a substantially solid cylindrical stream, and means located between the valve face and the expanded portion of the fluid stream and connecting said control member and said valve to move said valve to and from its seat in response to fluctuations of said control member, said means being of a width less than the diameter of said valve whereby said stream passes directly and substantially uninterruptedly into said outlet to create an aspirating effect in said chamber.

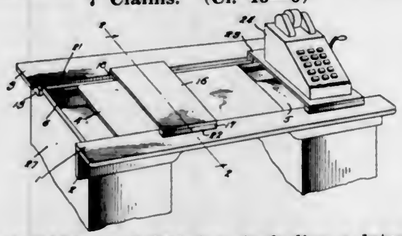
2,182,702
CATAMENIAL ARTICLE
Ruth M. Previn, Washington, D. C.
Application October 29, 1937, Serial No. 171,767
1 Claim. (Cl. 128—285)

An article of the class described having an elastic container for disposition within the vagina and of a size to substantially fill the space thereof, said container being elongated and including a front portion, a rear portion and a bottom wall, said front portion having an inlet opening to register with the cervix, a relatively wide continuous rim about said opening, said rim being disposed in a plane in front of said front portion in substantial parallelism with the longitudinal axis of the container, a discharge



tube, said discharge tube being relatively small in cross section and integral with the container and depending from the bottom wall of the container approximately as a continuation of the back portion of the container, said bottom wall being substantially entirely in front of said tube and constructed and arranged to contact and be supported by the labia from below, said discharge tube being of a length to extend below the vagina, and closure means adjacent the lower end of the tube.

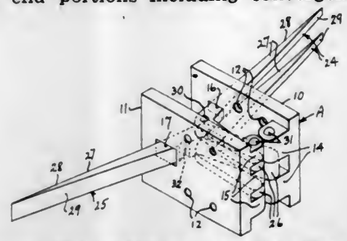
2,182,703
DESK WITH SLIDING BOOK SUPPORT
Jesse M. Rainwater, Augusta, Ga., assignor of one-fourth to Harry H. Bell, Sr., Augusta, Ga.
Application January 23, 1939, Serial No. 252,487
7 Claims. (Cl. 45—6)



3. Bookkeeper's desk top, including a laterally slidable book support, and a superposed book support bridging the lower book support and slidable independently thereof and parallel thereto and with vertical clearance between said supports, the lower book support being longer than the superposed book support whereby the latter has a range of movement over the lower book support.

2,182,704
CONCEALED ELONGATING HINGE
Delbert J. Rea, Detroit, Mich.
Application November 9, 1938, Serial No. 239,727
3 Claims. (Cl. 16—164)

1. A hinge construction comprising a pair of butts having openings transversely therethrough, said openings being defined at opposite sides of said butts by edges, a plurality of levers each including a link end portion and a shank end portion, means pivotally connecting said levers in crossed relation intermediate their end portions, means pivotally connecting said levers at their link end portions each to one of said butts, said shank end portions including convergent faces



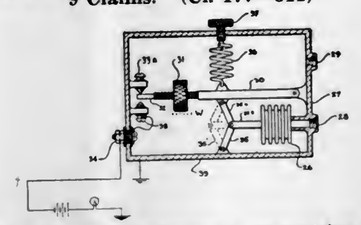
contacting said edges at opposite sides of said butts, said shank end portions being movable in curvilinear paths as governed by said pivot means to vary the angular and axial relationship of said shank end portions to said openings, the sections included between said edges during various stages of movement of said shank end portions relative to said openings having a constant dimension substantially equalling that of the distance between said edges.

2,182,705
LIFTING JACK
August Rissane, Berkley, Mich.
Application September 20, 1938, Serial No. 230,806
6 Claims. (Cl. 254—126)



1. In a jack, an elongated horizontal guide member, a feed screw parallel thereto, end members longitudinally movable toward and from each other on said guide member by said feed screw, toggle arms swingably connected at their outer ends to said end members, a table commonly connected to the inner ends of said arms, and means on said end members engaging said feed screw, said means being responsive to upward manual movement of said arms to effect their disengagement from said feed screw.

2,182,706
AIRPLANE SAFETY DEVICE
Francis R. Shanley, Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of the Navy
Application May 15, 1934, Serial No. 725,815
9 Claims. (Cl. 177—311)



7. An aircraft instrument comprising a casing, a weight movable for a small distance between an upper and a lower stop in said casing,

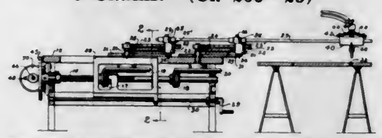
means for causing a pressure differential to be applied to said weight thereby tending to force it against one of said stops, means for mounting said casing in an airplane so that acceleration acting on the airplane will tend to force said weight against the lower stop, an electric switch operated by a small motion of said weight, a spring acting against said weight and tending to hold it against said upper stop, the closing of said switch being accomplished by the action of acceleration against the differential pressure and said spring.

2,182,707

REPRODUCING MACHINE

Walter G. Shipman, Iowa Park, Tex.

Application August 13, 1937, Serial No. 159,008
9 Claims. (Cl. 266—23)



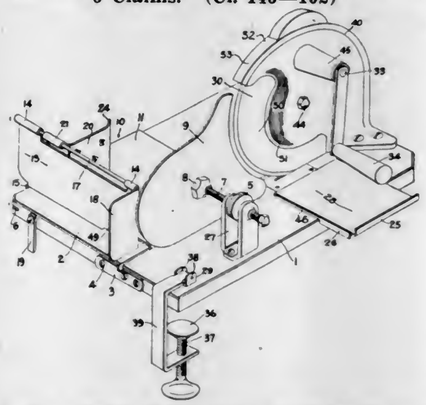
1. In a reproducing machine, the combination of a crank, means mounting said crank for swinging movement, a block sleeved on said crank for sliding movement lengthwise relative thereto, means for holding said block in adjusted positions relative to the crank, a crank pin carried by the block and upstanding therefrom, and a member journaled on said crank pin and having a clamp carried thereby for receiving and securing a cutting tool support.

2,182,708

SLICING MACHINE

Clarence J. Shlevin, Brooklyn, N. Y., assignor to Farber & Shlevin, Inc.

Application July 19, 1939, Serial No. 285,228
6 Claims. (Cl. 146—102)



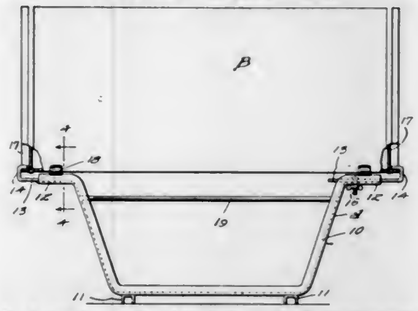
1. In a device of the class described, the combination of a main base, a slicing disc rotatively supported thereon, an auxiliary base provided with a groove along one edge, hinge means articulating the said main and auxiliary bases, the said two bases being separated when lying in the same plane by a small clearance to permit the auxiliary base to be folded relative to the main base, and a food carriage provided along one edge with an inwardly-ribbed flange slidably received in the said groove of the auxiliary base and provided along the parallel edge with a flange slidably received in the said clearance between the two bases.

2,182,709

BARREL RACK

Alton Howard Sissom, Alvarado, Tex.

Application February 9, 1939, Serial No. 255,532
2 Claims. (Cl. 248—146)



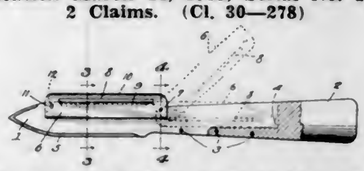
2. A rack of the kind described comprising a substantially U-shaped frame formed from a single length channeled bar having out-turned horizontally disposed uppermost ends, a brace bridging said frame, foot pieces carried by said frame at the lowermost portion thereof and projected laterally from opposite sides thereof, barrel clamps or hoops counterseated in the channeled ends, one being slidable therein, barrel saddles on said ends, and a nut carrying bolt engaging the slidable hoop and the end having it fitted thereto for adjustably holding said slidable hoop in a fixed position.

2,182,710

KNIFE PEELER

Alfred C. Tamke, St. Albans, N. Y.

Application March 14, 1938, Serial No. 195,892
2 Claims. (Cl. 30—278)



1. In a paring knife, a knife blade having the rear edge thereof beveled, a handle to which the blade is secured, said handle having a slot formed therein adjacent to the rear edge of the blade, a paring blade pivotally connected to the knife blade at a point near the handle, said knife blade having a slot extending inwardly from the back edge thereof at a point adjacent to the free end of the knife blade, a stud carried by the paring blade and adapted to move into the slot, holding the paring blade against accidental movement with respect to the knife blade, said paring blade having a cutting edge forming a continuation of the beveled rear edge of the knife blade when the paring blade is in its active position, and said paring blade adapted to swing from a position over the rear edge of the knife blade, to a position within the slot of the handle.

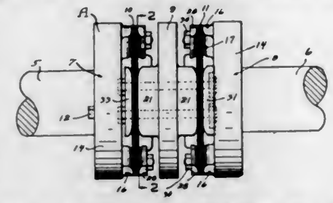
2,182,711

FLEXIBLE COUPLING

Bertha E. Thomas, Warren, Pa., assignor to Thomas Flexible Coupling Company, Warren, Pa., a corporation of Pennsylvania

Application September 2, 1937, Serial No. 162,205
11 Claims. (Cl. 64—13)

1. A flexible shaft coupling comprising a pair of coupling members each having spaced apart bosses on its inner face, a centering ring disposed between the coupling members and having spaced apart bosses on each face thereof, a washer co-acting with each boss, a flexible ring disposed between each coupling member and the centering ring in engagement thruout its full



width with the bosses and washers, said bosses and washers having each of their end edges rounded off in circumferential relation to the flexible rings with the axes of generation of the rounded edges on a line radially of the rings, and means for separately securing the flexible rings at alternate points to the coupling members and the center ring.

2,182,712

ROTARY SCRAPER FOR TUBULAR HEAT EXCHANGER

Werner G. Vogel, Louisville, Ky.

Application October 26, 1938, Serial No. 237,135
5 Claims. (Cl. 259—109)



1. Rotary scraper for heat exchanging pipes comprising a shaft, a blade extending longitudinally of said shaft and spaced therefrom adapted to scrape the inner cylindrical surface of a pipe in which said shaft is axially inserted, a leaf spring fixed to said shaft and said blade supporting the latter at a distance from said shaft, and means on said shaft adjacent the point of fixation of said spring comprising a rigid stop having a convex face adjacent the base of said spring positioned at a point within the path of oscillation of said spring, against which face said spring is adapted to bend, progressively shortening the radius of oscillation, thereby setting up interference in the period of oscillation of said spring and quenching the vibrations thereof.

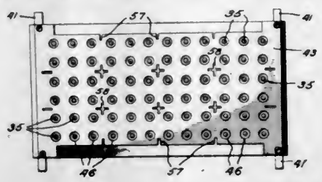
2,182,713

ICE CREAM CONFECTION APPARATUS

Ernest Moore Walker, Atlanta, Ga.

Original application April 11, 1938, Serial No. 201,421. Divided and this application May 16, 1939, Serial No. 274,021
8 Claims. (Cl. 62—114)

1. Frozen confection apparatus comprising a frame including spaced members one of which is an ejector plate having a plurality of perforations, a pin rack reciprocable between said frame members, a plurality of pins carried by said rack freely projectable through said perforations during one direction of reciprocation of said rack and retractable from said perforations in the opposite direction of reciprocation, a freezing tray having mold depressions in heat exchange relation with a refrigerant for freezing a plurality of individual confection pieces, means supporting said frame with the pin rack in a position in which the pins dip into said depressions whereby the frozen confection pieces will be adherent to said pins, said apparatus including a renewable sheet member



between said frozen confection pieces and said ejector plate having perforations through which said pins project, whereby upon inversion of said frame said rack falls, retracting said pins and leaving said confection pieces seated in pin-determined positions upon said sheet member.

2,182,714

PIPE LINING CEMENT

Joshua Chitwood Witt, Chicago, Ill.

No Drawing. Application April 24, 1937, Serial No. 138,861
2 Claims. (Cl. 106—24)

1. A cement mixture suitable for lining pipes and the like consisting of blast furnace slag, cement clinker characterized by low solubility in water and gypsum, the said cement clinker having approximately the following composition:

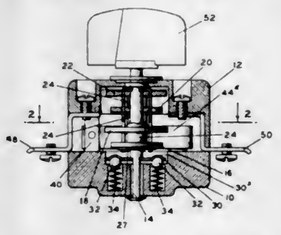
	Per cent
SiO_2	15.17
Al_2O_3	8.72
Fe_2O_3	12.73
CaO	61.39
MgO	1.29

2,182,715

ROTARY SWITCH

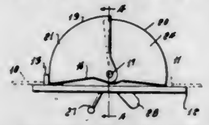
Louis A. Yeske, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut

Application May 4, 1937, Serial No. 140,705
11 Claims. (Cl. 74—567)



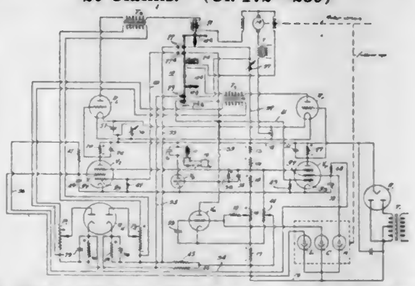
1. In an electric switch, a spindle, having a formation thereon with which holding means is adapted to cooperate, a plurality of contact operating members mounted on said spindle in spaced positions, holding means cooperating with said spindle and being constructed and arranged to move radially into engagement with said spindle, and means rendering said holding means non-rotatable and non-axially movable with relation to said spindle, said holding means engaging with said operating members and holding them permanently on said spindle while being in turn held by said members against radial movement on said spindle.

2,182,716
COOLING AND AIR CIRCULATING ATTACHMENT FOR AUTOMOBILES
George R. Brent, Beaumont, Tex.
Application January 26, 1939, Serial No. 253,015
4 Claims. (Cl. 98—8)



1. An air control attachment of the class described comprising a base plate provided with an opening, sections on the plate to close the opening, telescope shafts journaled on the plate and on each other, means fastening said shafts respectively to a different section, and means to operate the shafts to dispose the sections on either side of the axis of the shafts.

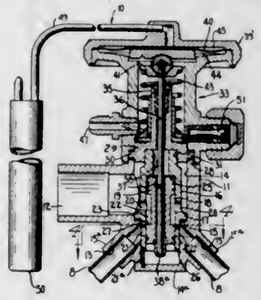
2,182,717
CONTROL SYSTEM
Britton Chance, Mantoloking, N. J.
Application December 21, 1937, Serial No. 181,043
20 Claims. (Cl. 172—239)



1. In a motor control system, a pair of light-sensitive devices, a source of a light beam for varying the electrical characteristics of said devices, said devices and said source being constructed and arranged to provide for relative movement between the devices and the beam, whereby the beam traverses said devices in one direction or the other, an electric motor, means controlled by said devices in response to said relative movement for energizing said motor, follow-up means operably by said motor to effect relative movement between said devices and said beam, to thus effect deenergization of said motor, and means responsive to activation of one device by the beam for decreasing the effectiveness of the other device for a predetermined time interval, to thus prevent response of said other device to transient relative movement between the beam and the devices.

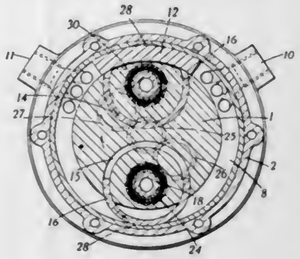
2,182,718
REFRIGERATING APPARATUS
Edward L. Anderson, Grosse Ile, Mich., and John Engalitcheff, Jr., Dayton, Ohio, assignors, by mesne assignments, to Alco Valve Company, Inc., St. Louis, Mo., a corporation of Missouri
Application May 27, 1938, Serial No. 210,480
7 Claims. (Cl. 62—127)

1. In a refrigerating apparatus, a plurality of multiplely arranged refrigerant medium evaporating elements, a refrigerant medium supply conduit having a plurality of branch conduits communicatively connected one to each of said elements, a valve casing having a plurality of outlets and intercalated between said conduit and its branch conduits, a single valve member in said casing and directly controlling each of said outlets and operable to distribute the refrigerant medium at equal rates to said branch conduits,



a return conduit member communicatively connected with the outlets from a plurality of said elements, and means controlling said valve and responsive to temperature at said return conduit member.

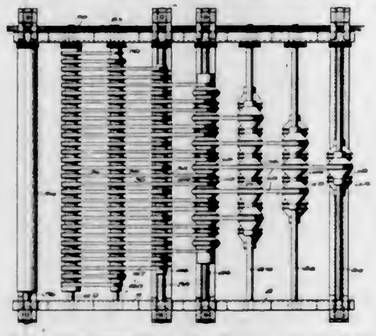
2,182,719
ROTARY FLUID PRESSURE ENGINE AND THE LIKE
Ernest Booth, Allesley, Coventry, England, assignor to The Keelavite Company Limited, Allesley, Coventry, England, a company of Great Britain
Application August 26, 1937, Serial No. 160,953
In Great Britain September 8, 1936
13 Claims. (Cl. 103—143)



1. A rotary engine comprising two members which enclose between them an annular blade chamber and are rotatable relatively to one another about the axis of this blade chamber, at least one abutment rigid with one of the members and extending across the blade chamber between inlet and outlet ports which are stationary with respect to the abutment, blades each of which is of part-annular cross-section and is rotatably disposed in a part-annular recess in one of the radially opposed peripheries of the blade chamber with its axis of rotation lying within said one periphery, said one periphery being carried by the member not carrying the abutment, each blade being of such dimensions as at all times to lie at least partly within its part-annular recess but being capable of projecting across the blade chamber to make an approximately fluid-tight seal with the opposite periphery or of lying wholly within its recess according to its rotational position, and means for causing continuous rotation of the blades in their recesses during relative rotation of the two members and in such

timed relation to the relative rotation of these two members that each blade projects across the blade chamber as it passes through the part of the blade chamber not occupied by an abutment but recedes into and is wholly contained in its recess during its passage past the abutment.

2,182,720
CREPING METHOD AND APPARATUS
William H. Cannard, Green Bay, Wis.
Application October 20, 1936, Serial No. 106,683
17 Claims. (Cl. 154—30)



9. In a corrugating machine, an initial operating unit comprising coacting sets of longitudinally extending endless belts arranged to corrugate material passed therebetween, the adjacent coacting belts of the sets being spaced substantially offset from each other to form relatively coarse corrugations in the material, means for supporting and driving the belts, a further operating unit disposed end to end with the initial unit comprising additional coacting sets of endless belts arranged to corrugate therebetween the material discharged from the initial unit, the adjacent coacting belts of the sets being more closely spaced than the coacting belts of the initial unit to form relatively finer corrugations in the material, and means for supporting and driving said belts.

2,182,721
AZO DYESTUFFS AND THEIR MANUFACTURE
Achille Conzetti, Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application June 8, 1938, Serial No. 212,580. In Switzerland June 14, 1937
8 Claims. (Cl. 260—169)

1. Azo dyestuffs of the following general formula

A—N=N—B—N=N—C

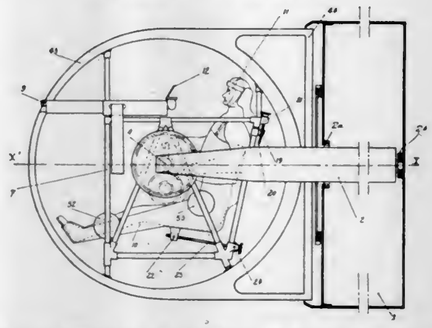
wherein

A means an aromatic radical containing at least two benzene nuclei connected by an oxygen bridge,

B means a divalent radical selected from the group consisting of radicals of the benzene and naphthalene series, A and B containing at least two sulphonic acid groups, and

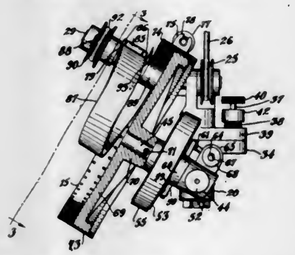
C means the radical of a phenol coupled in the para-position, bearing at the oxygen atom the radical —SO_2D, wherein D represents an aromatic radical of the benzene series, being orange to bright red to yellowish- and reddish-brown dyestuffs whose dyeings are characterized by a pure color shade, an excellent fastness to light, a good fastness to alkaline and acid fulling and a very good fastness to sea water.

2,182,722
GUN TURRET FOR AIRCRAFT
Pierre Henry Edmond de Gavardie, Paris, France
Application June 18, 1937, Serial No. 149,021
In France June 20, 1936
1 Claim. (Cl. 89—37.5)



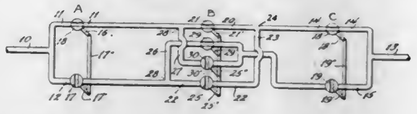
A gun turret for aircraft including in combination a universal suspension, a movable unit comprising a gunner's cabin, a seat and a weapon, said unit being supported substantially at its centre of gravity by the universal suspension, the weapon being rigidly secured to the gunner's cabin, control means adapted to be manually operated for rotating the said movable unit respectively about the two axes of the universal suspension for the purpose of pointing the said weapon toward any direction in space, said manual control means including two separate hand wheels mounted on each side of said seat on an axis passing substantially through the center of gravity of said movable unit, means for securing said movable unit in each position to the body of the aircraft, said securing means including a brake acting simultaneously on the two hand wheels controlling said movable unit.

2,182,723
FILM WINDING APPARATUS
John E. O. Feller, Canton, Ohio
Application April 20, 1937, Serial No. 137,972
8 Claims. (Cl. 88—18.7)



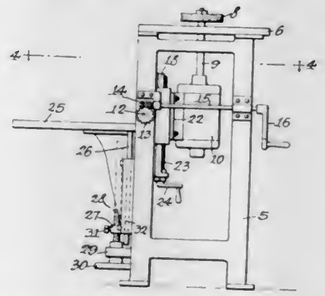
1. Mechanism for winding a tape with the leading end outermost, including a rotatable drum having its axis on an angle to the horizontal and open on its upper side, a guide member pivoted at a point spaced from the drum and terminating in a spiral guide extending into the open side of the drum for delivering the tape to the interior of the drum, and a driven roller located adjacent to the end of the spiral guide for rotating the drum to coil the tape within the drum and having a frusto-conical flange engaging the edge of the tape for feeding the tape into the drum.

2,182,724
PIPE AND VALVE FOR CONTROLLING THE FLOW OF FLUID THERETHROUGH
John Brendan Hennessy, San Francisco, Calif.
Application June 6, 1938, Serial No. 212,181
1 Claim. (Cl. 137—78)



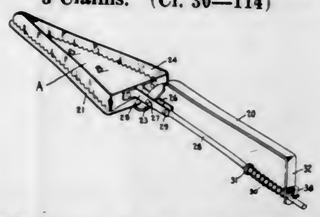
A system for controlling flow through a pipe line at any one of a plurality of stations therein which comprises a pipe line formed by an inlet section and an outlet section in communication with each other solely by first and second conduits each of which communicates at its inlet end with the inlet section and at its outlet end with the outlet section, a two way valve in each first and second conduit arranged to be operated together so that one is open when the other is closed, said valves together forming a valve unit, a similar valve unit spaced from the first mentioned unit and a flow control unit spaced between the first and second valve units comprising a valve means in said first and second conduits and dividing each of said conduits into an inlet section and an outlet section, said valve means being constructed and arranged in one of its positions to effect flow directly through both of said first and second conduits and in another of its positions to effect flow from the inlet portion of the first conduit to the outlet of the second conduit and from the inlet portion of the second conduit to the outlet portion of the first conduit.

2,182,725
TILTABLE ADJUSTABLE SANDING WHEEL
Charles Jones, High Point, N. C., assignor to Pearson Sanding Machine Company, High Point, N. C.
Application September 7, 1937, Serial No. 162,781
2 Claims. (Cl. 51—102)



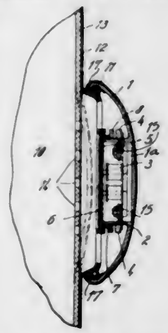
2. In a sanding machine, a frame, a table forming a part of the frame and having an elongated opening extending to one edge thereof, a vertically adjustable pivoted support mounted on the frame, a motor mounted on the support and adapted to swing laterally with respect to the table, a shaft extending through the table and adapted to move laterally through the elongated opening to assume a horizontal position, a sanding wheel on the free end of the shaft, and means for swinging the motor laterally whereby the sanding wheel may be operated in various positions from a vertical to a horizontal plane.

2,182,726
CAKE CUTTER AND SERVER
Willis L. King, Rockville Centre, and Herbert T. Horscraft, Oceanside, N. Y.
Application August 27, 1937, Serial No. 161,316
3 Claims. (Cl. 30—114)



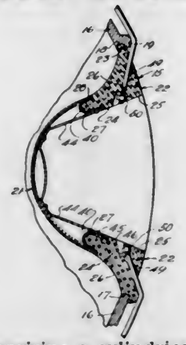
1. A cake server of the type described, comprising a server member; a handle attached to said server; a toggle member comprising a first bar-like element pivoted near the midpoint thereof to a portion of said handle, a second bar-like element pivoted to said first element at an end thereof; and a cutter member mounted on the free end of said first bar-like element, said elements being arranged in a manner whereby displacement of said second bar-like element in one direction from an intermediate dead center position at least tends to move said cutter member into substantial parallelism relative to said server member and displacement of said element in the opposite direction from dead center position at least tends to move said cutter member into a position substantially perpendicular relative to said server member.

2,182,727
TELEPHONE SET FOR COMMUNICATION IN AIRPLANES
Gerald Klein, Berlin-Lichterfelde, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application June 26, 1937, Serial No. 150,429
In Germany June 27, 1936
3 Claims. (Cl. 179—156)



1. A detachable telephone receiver in particular for aviators' helmets or the like, comprising a shell-shaped casing of solid material, fashioned to circumscribe the ear of the user and having in its central interior portion a supporting pad and an annular wall surrounding said pad, both integral with the casing wall and shaped to support individually the several constituent elements of the receiver mechanism in operative relation to one another, and a spring ring on the helmet for supporting said casing at its rim, the wall of the helmet having a yielding portion covering the inside of said casing and being provided with perforations for transmitting the sound to the ear of the user.

2,182,728
SILO
Willard C. Lutz, Lancaster, Pa.
Application September 9, 1938, Serial No. 229,177
10 Claims. (Cl. 20—1.42)



1. A silo comprising a cylindrical housing having interposed in its body a pair of vertically disposed inwardly extending spaced apart guide members, and a plurality of superimposed chute members removably engaging in overlapping relation the inner portions of said guide members.

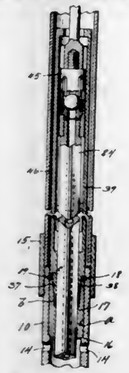
2,182,729
DECORTICATING MACHINE
Joseph Julius Marczak, Bigpoint, Miss.
Application October 17, 1938, Serial No. 235,533
15 Claims. (Cl. 19—11)



1. A decorticating machine comprising a slidably mounted clamping table, a movable means for clamping the bark covered stalks on the table, a stalk gripping means having a pair of clamping jaws spaced from one end of said table, means for moving the table towards the gripping means so that the adjacent ends of the woody portions of the stalks may be clamped between the jaws of the gripping means, means retaining the table against further movement when located adjacent the gripping means, means causing the jaws to be clamped on to the ends of the stalks, and means moving the jaws away from the table and the woody portions of the stalks from the bark, the bark being held on the table by the movable clamping means.

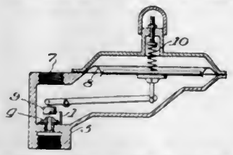
2,182,730
SEALING STRUCTURE FOR DEEP WELL PUMPS
Charles R. McDaniel, Oklahoma City, Okla.
Original application April 17, 1937, Serial No. 137,444. Divided and this application November 10, 1938, Serial No. 239,867
4 Claims. (Cl. 103—202)

1. In a pump, the combination of; a barrel having a seat for a sealing element in its upper end; a sealing element for seating in said seat having a frusto-conical seat in its own upper end; said barrel having an annular groove immediately adjacent the upper end of said sealing element; an expansible lock ring of less normal diameter than the diameter of said groove for seating in said groove and preventing said sealing element from leaving its seat; a frusto-conical lock ring



controlling element for expanding said lock ring into said groove and for permitting the contraction of said lock ring out of said groove as it is respectively moved into or out of the frusto-conical seat of said sealing element; and a rod movable through the sealing element.

2,182,731
PRESSURE REGULATING DEVICE
Charles H. McRaven, Houston, Tex., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 23, 1938, Serial No. 226,294
5 Claims. (Cl. 50—26)

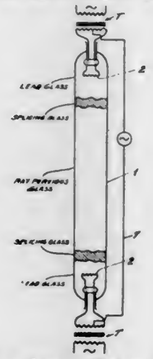


1. The combination with a pressure regulator having a chamber, an inlet and an outlet for said chamber, said inlet and outlet being substantially in axial alignment; a valve seat threaded in said inlet and having an external annular flange; a valve; a diaphragm in said chamber remote from said inlet and outlet, and operatively connected to said valve; of a deflector having a body and an internal annular flange, the internal annular flange of said body being held against the wall of said chamber by the external annular flange of said valve seat, and the body of said deflector being arranged between said valve and said diaphragm to deflect the fluid between said inlet and outlet away from said diaphragm.

2,182,732
METAL VAPOR LAMP
Friedrich Meyer, Berlin-Halensee, and Hans-Joachim Spanner, Berlin, Germany, and Edmund Germer, Stockholm, Sweden, assignors, by mesne assignments, to General Electric Company, a corporation of New York
Application December 19, 1927, Serial No. 241,034
In Germany December 10, 1926
28 Claims. (Cl. 176—122)

1. A spectral ray lamp comprising an evacu-

ated envelope forming an enclosed elongated discharge path, two fixed electrodes therein, one of which is a Wehnelt type cathode, and a low pressure gaseous atmosphere comprising a rare gas adapted to support a heavy current discharge, and a source of metallic vapor normally incapa-



ble of supporting a low voltage discharge in the envelope, the said discharge through the rare gas being adapted to raise the vapor pressure of the metallic vapor and the ionization of the same sufficiently to cause the metallic vapor to carry and maintain the discharge and become the main source of the emitted spectral rays.

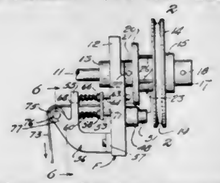
2,182,733

CLUTCHING MECHANISM

Julius M. Minkow, New York, N. Y., assignor to Robert Minkow, Richmond Hill, N. Y.

Application September 20, 1938, Serial No. 230,859

8 Claims. (Cl. 192—149)



1. A clutching mechanism comprising a rotatable driven shaft, a drive member rotatably mounted on said shaft, a ratchet fixed to said drive member, a plate fixed to said shaft, a pawl rockably carried by said plate and pivotally mounted at one end, a lever integral at one end with the pivoted end of, extended from and bodily carried by said pawl, a spring-pressed plunger carried by said plate, engageable with said lever to urge said pawl toward said ratchet, a stationary frame part, a spring-pressed pawl releasing member slidable in said frame part and movable into the path of movement of said lever for contact therewith to thereby swing said pawl to released position, a cam fixed to said plate, a spring-pressed stop member slidably carried by said frame part and engageable with said cam to hold said plate against rotation in one direction, and means engageable with said pawl releasing member and said spring-pressed stop member for holding said members in disengaged position.

2,182,734

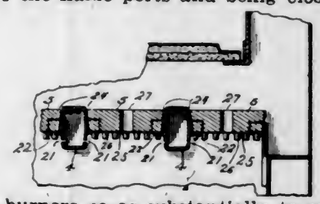
GAS STOVE

Henry W. O'Dowd, Jersey City, N. J., assignor to Standard Gas Equipment Corporation, a corporation of Maryland

Application June 24, 1936, Serial No. 87,022

3 Claims. (Cl. 126—41)

3. In a gas broiler, the combination of a series of burners non-circular in cross-section arranged in the broiler compartment in parallel spaced relation and having their major cross-sectional axes extending vertically, the burners being formed in their opposite sides below the center lines thereof with laterally directed flame ports arranged to project flames in opposite directions from one burner toward another, and a plurality of fire-brick slabs arranged between each pair of burners and at the outer sides of the end burners with their bottom surfaces immediately above the level of the flame ports and being closely fitted



to the burners so as substantially to embed the burners therein, the fire-brick slabs being imperforate save for localized vents formed therein remote from the burners to permit the heat currents to pass through the slabs near the tips of the flames, and the slabs being formed on the imperforate portions of their bottom surfaces with tapering projections adapted to be brought to incandescence by the heat currents passing to the vents, whereby the fire-brick slabs serve the two-fold purpose of radiating heat from the burner flames and shielding the burners from the heat of the flames.

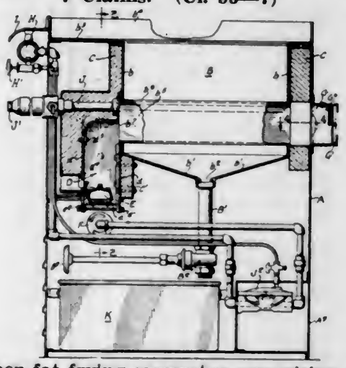
2,182,735

LIQUID HEATING APPARATUS

Henry W. O'Dowd, Jersey City, N. J., assignor to Standard Gas Equipment Corporation, a corporation of Maryland

Application December 18, 1936, Serial No. 116,518

7 Claims. (Cl. 53—7)



1. Deep fat frying apparatus comprising a vessel for containing liquid fat to be heated, a closed combustion chamber arranged exteriorly of and being insulated from the liquid containing vessel, a Bunsen burner arranged and operative to restrict the burner flames to the combustion chamber, and an open-ended heating flue having one end communicating with the combustion chamber in a zone beyond the burner flames and leading from the combustion chamber through the interior of the liquid containing vessel with its opposite end opening exteriorly of the vessel, whereby the liquid fat within the vessel is heated solely by the caloric currents emanating from the burner flames and circulating through the heating flue.

2,182,736

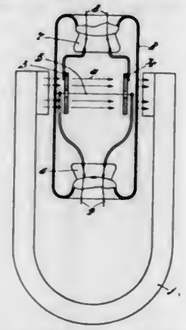
RECTIFYING DEVICE

Frans Michel Penning, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application May 4, 1937, Serial No. 140,772

In Germany May 7, 1936

10 Claims. (Cl. 250—27.5)



4. A device for rectifying high alternating voltages, comprising an ionic discharge tube having an envelope, a cold cathode and an anode within said envelope and spaced apart to form a discharge space, and an ionizable gaseous filling within said envelope and having a pressure between 10^{-4} and 10^{-2} mms. of Hg, and means to produce a magnetic field having lines of force traversing the space within the envelope with a major portion of said lines passing through the discharge space between the anode and cathode and entering and leaving said discharge space through portions of the active cathode surface adjacent the same, most of the lines of said major portion passing through the discharge space without intersecting the surface of the anode.

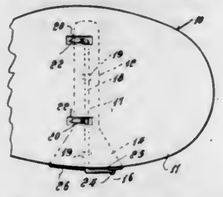
2,182,737

ICE CREEPER

William Petruzates, Eagle River, Wis.

Application March 30, 1939, Serial No. 265,053

4 Claims. (Cl. 36—61)



1. A shoe article of the class described having a plate embedded in a sole, a wall on said plate extending upwardly and outwardly primarily located within the sole, and a traction member mounted on the plate for movement to and from projected position, and coacting means between the traction member and wall to secure the traction means in its different positions.

2,182,738

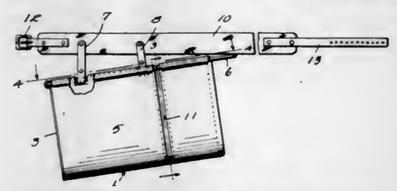
ASPARAGUS HOPPER AND BELT

Floyd Phillips, Sandwich, Ill.

Application April 12, 1938, Serial No. 201,620

4 Claims. (Cl. 224—5)

1. An asparagus gathering device comprising a receptacle open at its top and at one end, means for supporting said receptacle obliquely on a person with its closed end disposed lower than the said open end so that asparagus placed in



the receptacle will stack therein against the lowermost closed end of the receptacle.

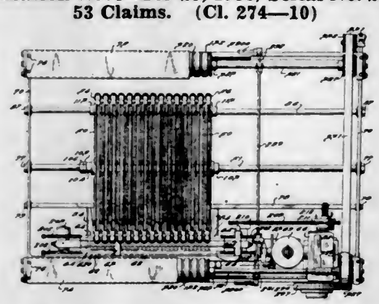
2,182,739

AUTOMATIC PHONOGRAPH

Walter F. Schulz, Shaker Heights, Ohio, assignor of one-half to Julius Kahn, Cleveland, Ohio

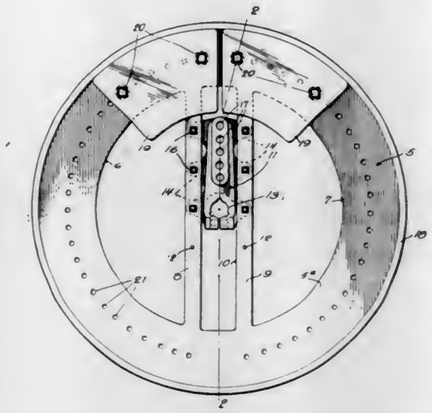
Application November 29, 1938, Serial No. 242,950

53 Claims. (Cl. 274—10)



28. In an automatic phonograph, the combination of a record magazine comprising a plurality of record holders pivotally mounted for movement normal to the axis of rotation of records held therein and adapted to be tilted into one or the other of two playing positions, a mobile tone arm carriage disposed on each side of the said record magazine, a tone arm centering device connected to each tone arm carriage adapted to yieldably maintain each tone arm carriage in a neutral central position with respect to the said record magazine guide, means on each tone arm carriage engageable by one of the said record holders when tilted into one or the other of its two playing positions and moved thereby central with respect thereto, a tone arm including a tone pick-up thereon mounted on each tone arm carriage adjacent the center thereof facing the center thereof, each tone arm and pick-up being oppositely disposed with respect to the other whereby to admit of one tone arm and pick-up being placed in juxtaposition to one side of a record carried by any record holder when one tone arm carriage is moved thereby central with respect thereto and to admit of the other tone arm and pick-up being placed in juxtaposition to the other side of a record carried by any record holder when the other tone arm carriage is moved thereby central with respect thereto, means for tilting any record holder into either playing position, means in each record holder for rotatably supporting a record on its peripheral edge, means for rotating a record carried by any record holder when tilted into either playing position, and means for placing the tone pick-up of the tone arm juxtaposed to the rotating record in playing contact therewith.

2,182,740
COUNTERBALANCE FOR CRANKSHAFTS
James B. Wrigley, Tulsa, Okla., assignor to International Supply Company, Tulsa, Okla., a corporation of Delaware
Application December 18, 1937, Serial No. 180,652
3 Claims. (Cl. 74—591)

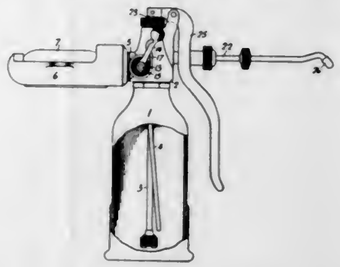


1. In a device of the character described, a crank disc comprising a substantially flat circular web bound by a circular flange which extends outwardly beyond opposite sides of the web, substantially arc-shaped weights adjustable approximately 360 degrees about the peripheral portion of the disc, said weights being arranged at opposite sides of the web and having their outer ends contacting the inner surface of the flange, each weight having its inner edge spaced a material distance from the axis of the disc, means adjustably securing the weights to the web, and a crank arm extending diametrically of the disc and having a series of apertures positioned radially of the disc between the center of the latter and an annular line concentric with said center and defining the inner edges of said weights.

2,182,741
POROUS METAL ARTICLE AND METHOD OF MAKING SAME
William F. Bolesky, Walter Waleke, and John A. Lutz, Detroit, Mich., assignors of fifty-one per cent to said Lutz, twenty-four and one-half per cent to said Bolesky, and twenty-four and one-half per cent to said Waleke
No Drawing. Application October 20, 1938, Serial No. 236,032
9 Claims. (Cl. 75—22)

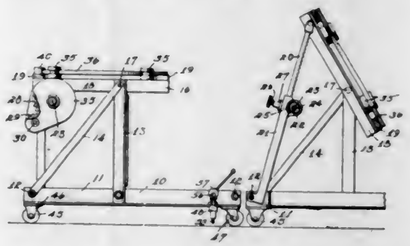
3. A method of making porous metal articles of the type wherein powdered metals compressed to approximate shape desired are heated to a temperature sufficient to alloy said metals characterized by the addition to the initial powdered mixture of a powdered material of vegetable origin having a natural oil content held in a finely divided state in the cellular structure of said vegetable material whereby said material is forced to the outer surfaces of said metal article during the initial heating thereof to a degree and for a time sufficient to allow said powdered material of vegetable origin to establish a uniform porous structure in said article.

2,182,742
SPRAYING APPARATUS FOR DENTAL, MEDICAL, AND LIKE PURPOSES
William Brewer, Upper Edmonton, England, assignor to Sparklets Limited, Westminster, England, a British company
Application September 22, 1937, Serial No. 165,215
In Great Britain December 9, 1936
1 Claim. (Cl. 299—95)



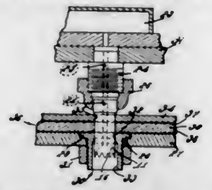
In spraying apparatus comprising a container for solution or the like, a head removably secured to the said container, a holder for a capsule containing a pressure medium and a nozzle both secured to said head, and a manually operable valve between the container and the nozzle, the provision of an auxiliary manually operable valve allowing direct flow of pressure medium from the capsule to the container which is operable independently of the main valve by means of an actuating handle projecting through and carried by the head in such position that the said actuating handle is capable of manipulation by a finger of the operator, a helical spring being arranged around the valve stem or the stuffing box therefor, one end engaging the actuating handle and the other end engaging a stationary part, for example the head, of the apparatus for maintaining the valve closed and for returning it automatically to its closed position after operation.

2,182,743
ENGINE STAND
Louis Clergy, Des Moines, Iowa; Henry Clergy administrator of Louis Clergy, deceased
Application November 23, 1936, Serial No. 112,319
2 Claims. (Cl. 29—89)



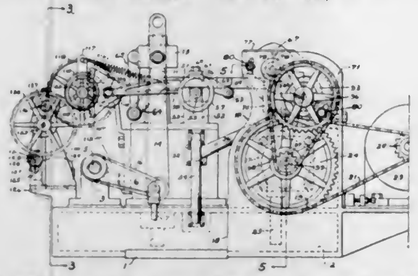
1. An engine stand comprising a supporting frame, a table pivoted to the upper end of said frame to swing about a horizontal axis, an annular engine base, a series of grooved rollers carried by said table for receiving and supporting the periphery of said engine base to permit said base to rotate about an axis perpendicular to said table, means for locking said annular base against rotation, and means for tilting said table.

2,182,744
PUNCH
William J. Ehrsam, Enterprise, Kans., assignor to The J. B. Ehrsam & Sons Manufacturing Company, Enterprise, Kans., a corporation of Kansas
Application August 8, 1938, Serial No. 223,641
10 Claims. (Cl. 164—85)



1. A punch for perforating unset plaster board or the like, comprising a shank formed at its leading end with a perimetral series of teeth, each of said teeth having its external surface flush with the external surface of said shank being substantially triangular in elevation and the thickness thereof being progressively reduced from the base of the triangle to the apex thereof.

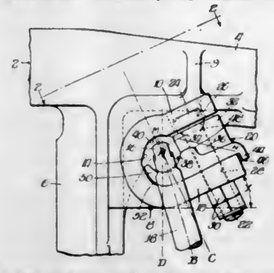
2,182,745
RECIPROCATING MECHANISM
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 24, 1935, Serial No. 28,117
19 Claims. (Cl. 60—52)



1. The combination, with a reciprocating fluid motor and means for supplying motive fluid to said motor to drive the same, of a valve for directing said fluid to opposite ends of said motor alternately and for controlling the rate of fluid delivery, a control element continuously driven at a speed proportional to the desired speed of said motor, means actuated by said element and said motor jointly for effecting operation of said valve to thereby control the speed and length of stroke of said motor, and means operable during operation of said motor for adjusting said last named means to vary the length of motor stroke.

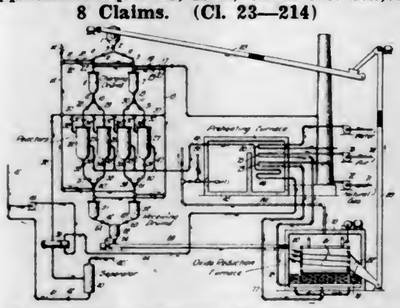
2,182,746
BRAKE HANGER BRACKET
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 4, 1937, Serial No. 178,059
16 Claims. (Cl. 188—209)

1. In a railway car truck, a frame member having a bracket with a brake hanger jaw defined by top and bottom walls merging in a throat, a loop hanger seated in said throat, the top surface of said throat having an arcuate form for abutment of the top member of said hanger, the forward portion of said surface lying in a plane extending through the open end of said jaw below said top wall, and a wear plate secured on said bottom wall, said wear plate having an up-turned flange at its inner end defining one edge of a channel portion underlying said member and



having at its outer end a down-turned flange for abutment against the outer extremity of said bottom wall, said bottom wall lying in a plane diverging from the horizontal through an arc at least equal to the arc which said hanger may diverge from the perpendicular under operative conditions.

2,182,747
PRODUCTION OF HYDROGEN BY THE HIGH PRESSURE IRON PROCESS
Walton H. Marshall, Jr., Nutley, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application April 18, 1938, Serial No. 202,712
8 Claims. (Cl. 23—214)

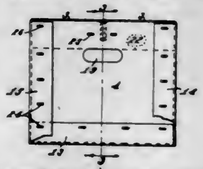


1. A method of continuously generating hydrogen including the steps of reacting water in the liquid phase and a finely divided metal capable of reducing water to form hydrogen and the metal oxide at temperatures between 450° F. and 700° F. in a reaction zone, maintaining the reaction zone at a pressure above the vapor pressure of water at the temperature of the reaction, continuously removing the gaseous products from the reaction zone, removing the metal oxide from the reaction zone, supplying fresh finely divided metal to the reaction zone, continuously supplying water to the reaction zone, and recovering hydrogen from said gaseous products.

2,182,748
SHIPPING CONTAINER
Orva O. Nickerson, Fort Wayne, Ind., assignor to Fort Wayne Corrugated Paper Company, Fort Wayne, Ind., a corporation of Indiana
Application March 8, 1937, Serial No. 129,636
5 Claims. (Cl. 229—52)

1. A shipping container formed of fiber board having end panels provided with hand holes, each

of said end panels having a portion equal in width to the width of the panel folded down



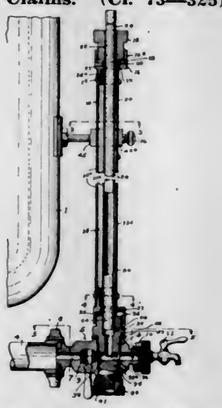
throughout its width from the top edge thereof to a point immediately above the top edge of a hand hole and stitched in said position.

2,182,749

LIQUID LEVEL GAUGE

George J. Oestreicher, Cleveland, Ohio

Application June 25, 1936, Serial No. 87,267
Renewed October 17, 1939
4 Claims. (Cl. 73—325)



1. In a gauge of the character described, a glass tube, a rigid self-supporting shield body having an inner wall portion in substantially surrounding and closely spaced relation to the tube and a continuing outer wall portion spaced from the inner wall portion and defining a peripherally closed air insulating space therebetween, means carried by the body and securing the tube thereto in said spaced relation, and connecting means for detachably connecting the tube to a conduit with said tube in communication with the conduit.

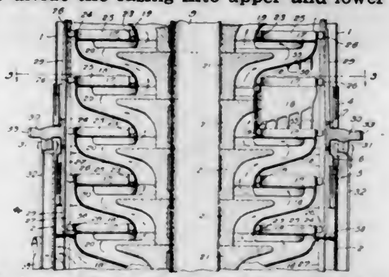
2,182,750

RETORT

Frederick Pope, Wilton, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application September 3, 1938, Serial No. 228,282
5 Claims. (Cl. 202—104)

1. A retort comprising a stationary outside casing, a stack of superimposed hollow heating elements therein, means to supply heat to the interior of the heating elements and to take the exhaust gases therefrom, means to supply material to be heat treated onto the uppermost heating element, conveyor means for moving the said material peripherally on each heating element and to drop the same downwardly onto the next heating element of the stack, said conveyor means having a drive element projecting outwardly beyond the stationary outside casing and between the top and bottom thereof, means to drive said element, means for discharging waste material from the retort and take-off means for the distillation products from the material being heated, in which the drive element is located substantially midway between the top and bottom of the stationary casing and projects therethrough so as to divide the casing into upper and lower sec-



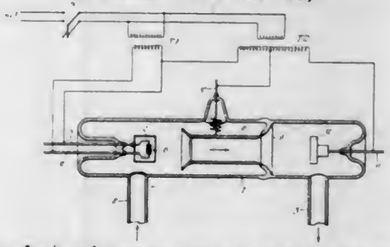
tions, means for making a stationary water seal between the upper part of the lower casing and the drive means and a traveling water seal carried by the drive means and making a seal between the drive means and the lower part of the upper casing.

2,182,751

ELECTRONIC PUMP

Ralph W. Reitherman, Chicago, Ill., assignor to Luminous Tube Control Corporation, Evanston, Ill., a corporation of Illinois

Application May 10, 1937, Serial No. 141,730
1 Claim. (Cl. 230—69)



An electronic pump comprising a tubular structure having an inlet near one end and an outlet near the other end, a cathode at the inlet end, an anode at the outlet end, a tubular accelerating anode between and in alignment with said cathode and anode, a partition joining the outside wall of said accelerating anode to the inner wall of said tubular structure, means for heating said cathode, and means for supplying potentials to said anodes comprising a transformer with a tapped secondary winding, the opposite ends of said winding being connected to said cathode and anode, respectively, and the tap being connected to said accelerating anode.

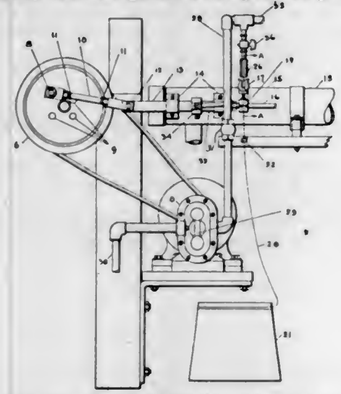
2,182,752

RANDOM DYEING MACHINE FOR YARN

Ralph R. Janes, Roanoke, Va.

Application September 13, 1937, Serial No. 163,601
5 Claims. (Cl. 68—205)

1. A random dyeing machine for movable strands, said machine comprising a stationary spraying nozzle for spraying dye, means for longitudinally moving the strands through the spraying zone at an angle to the nozzle, a stationary thread guide to one side of the nozzle, a reciprocating thread guide to the opposite side of the nozzle, means for reciprocating the last named thread guide, said reciprocating thread guide forming means whereby the thread is intermittently moved through the spraying zone of the nozzle beneath the nozzle and laterally on the stationary thread guide as a pivotal point, and



a dye collecting receptacle beneath the nozzle and strand.

2,182,753

APPARATUS FOR CURING TOBACCO

Richard Crane and William J. Snadecki, Westover, Va.; said Snadecki assignor to said Crane

Application September 23, 1938, Serial No. 231,396
2 Claims. (Cl. 131—134)

1. An apparatus for flue curing tobacco comprising a wood burning heater member, having a plurality of smoke flues extending therefrom and constituting heat radiator elements; an independent duct swiveled on the heater member top, formed as a hood and having openings permitting ingress of air above the crown sheet of the heater member, said air being free to pass through the swiveled duct; a baffle plate depending from the crown sheet of the heater member within the heater and between the outlets to the smoke flues; means for controlling the rate of combustion of fuel and means for permitting a regulated volume of smoke to pass into the atmosphere of the barn in which the apparatus is installed.

2,182,754

PROCESS OF PREPARING CYCLIC ACETALS OF FORMALDEHYDE

Kurt Billig, Frankfort-on-the-Main-Hochst, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 4, 1937, Serial No. 172,765. In Germany November 19, 1936
5 Claims. (Cl. 260—338)

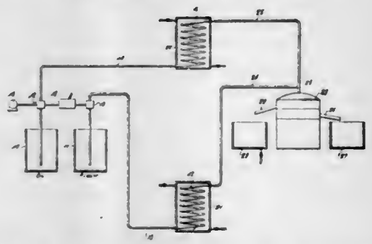
1. The process which comprises causing an aqueous solution of formaldehyde to act upon an alpha alkylene oxide at temperatures between about 50° C. and about 100° C. in the presence of a strongly acid condensation catalyst and then heating the intermediate condensation product of formaldehyde and alkylene oxide thus formed at temperatures between about 100° C. and about 150° C. in the presence of a catalyst of the group consisting of hydrogen chloride, hydrogen bromide and their acid reacting metal salts.

2,182,755

PROCESS OF REFINING ANIMAL AND VEGETABLE OILS

Benjamin Clayton, Houston, Tex., Walter B. Kerrick, Los Angeles, and Henry M. Stadt, Glendale, Calif., and Benjamin H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev., a corporation of Nevada

Application November 8, 1937, Serial No. 173,522
7 Claims. (Cl. 260—425)



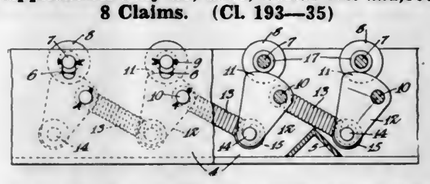
1. A process for the quick and continuous refining of animal and vegetable oils containing free fatty acids which comprises the steps of: mixing with said oil a refining reagent capable of acting upon the impurities in said oil to form foots, separating the foots substantially as quickly as they are formed by subjecting the mixture to immediate centrifugal separation with the aid of heat sufficient to facilitate said separation, said heat being supplied by preheating at least one of the admixed materials before admixture with the other, the process being characterized by the avoidance of any substantial period of contact of the refining reagent with the oil after the admixing thereof.

2,182,756

ROLLER CONVEYER

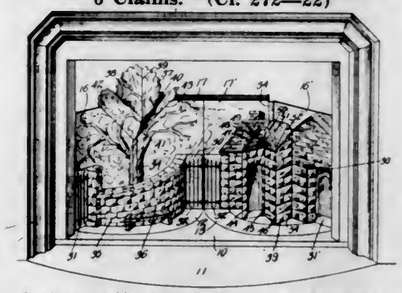
Smith Eggleston, St. Paul, Minn., assignor to Standard Conveyor Company, North St. Paul, Minn., a corporation of Minnesota

Application July 28, 1938, Serial No. 221,803
8 Claims. (Cl. 193—35)



1. In a roller conveyer, a frame having spaced side members, a roller extending between said members and movable substantially vertically relative to the frame, a lever pivotally connected to said frame and having a laterally projecting arm for supporting said roller and a downwardly projecting arm to be actuated, and resilient means engaging said downwardly projecting arm to maintain said roller in elevated position.

2,182,757
STAGE SETTING
Edward Gilbert, New York, N. Y., assignor of one-half to Leonard Sillman, New York, N. Y.
Application February 21, 1939, Serial No. 257,630
6 Claims. (Cl. 272—22)



1. A stage setting comprising a plurality of assemblages each composed of a plurality of scene sections each rigidly attached along one edge to a separate vertical support, a plurality of hinges connecting said supports, said assemblages being so disposed that the scene sections of one assemblage may all lie in substantially the same planes as the scene sections of another of said assemblages with their free edges contiguous to the free edges of the respective scene sections of said other assemblage and are adapted to be moved angularly therefrom.

2,182,758
STEEL
Oscar E. Harder, Columbus, Ohio, assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application May 14, 1938, Serial No. 208,069
9 Claims. (Cl. 75—123)

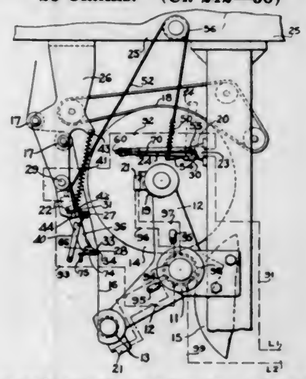


9. A steel containing carbon in effective amounts up to 1.7 per cent and lead in amounts from 0.1 to 0.478 per cent, said lead being substantially uniformly dispersed throughout the steel and having no significant harmful effect on its mechanical properties, and said steel having its machinability so improved by the addition of lead that a sawability test shows an index better than that of otherwise identical steels containing substantially no lead.

2,182,759
STEEL
Oscar E. Harder, Columbus, Ohio, assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 15, 1938, Serial No. 224,963
6 Claims. (Cl. 75—123)

1. An alloy steel of the class containing strength-giving alloying metals in proportions within the range of 0.50 to 6.00 per cent, and characterized by good machining properties, said steel consisting essentially of said alloying metals within the range specified, carbon in effective amounts up to 1.70 per cent, silicon from a trace to 2.50 per cent, phosphorus from a trace to 0.15 per cent, sulfur from a trace to 0.30 per cent, lead in the range between 0.03 and 1.00 per cent, and the balance being substantially all iron, at least a major portion of the lead being uniformly dispersed throughout the steel and serving to improve the machinability thereof.

2,182,760
WEB SUPPLY MECHANISM FOR PRINTING MACHINES
Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 7, 1935, Serial No. 53,315
28 Claims. (Cl. 242—58)

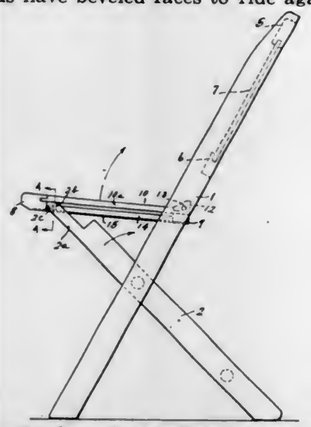


1. In a web supply mechanism adapted to join a running web to the web of a replacement roll, an actuation restrained web deflecting device, an actuation restrained web severing device, and common means operable first to release and permit actuation of said web deflecting device to join the webs and again after the join is made to release said web severing device.

22. In a web supply mechanism, in combination, a restrained swingable device mounted to engage and deflect a running web toward a rotating replacement roll when released, a manually movable member, means to connect said member to said device including a spring, said member when moved in one direction being adapted to tension said spring to impose a pull upon said device to swing it toward the replacement roll, and means to release said device.

2,182,761
FOLDING CHAIR
Thomas T. Johnson, Houston, Tex., assignor to Myers-Spalti Manufacturing Company, Houston, Tex., a corporation
Application April 16, 1938, Serial No. 202,372
2 Claims. (Cl. 155—143)

1. A folding chair comprising a pair of straight side bars whose lower ends form front legs and whose upper ends provide back rails, a rear leg structure comprising side legs which are located adjacent and on the inner sides of said side bars, means for pivotally connecting said side legs to said side bars, a back secured between said back rails, a seat portion comprising front and rear transverse bars and side bars connecting said front and rear bars and a supporting structure supported by said front and rear bars, brackets on and upstanding from said rear transverse bar and pivotally connected to the corresponding side rails above the plane of said supporting structure, the side bars of the seat portion having longitudinal overhanging portions forming tracks whose forward ends terminate at the front cross bar, the side bars of said seat portion having external longitudinal grooves beneath said overhanging portions extending from the rear cross bar forwardly, metal plates fastened underneath the side bars of the seat portion forming the lower sides of said grooves, the upper ends of said rear legs being reduced in width providing extensions whose free ends have beveled faces to ride against said



tracks and whose forward ends are shaped to abut the corresponding ends of said front bar when the chair is in extended position and inwardly extended pins on said extensions forming runners or guides which run in said grooves and which are effective to swing the rear legs into parallel relation with the side bars when the seat is swung upwardly into parallel relation with the back.

2,182,762
MANUFACTURE OF ARTIFICIAL SILK
Ernst Mengeringhausen, Oberbruch, and Franz Berndt, Sydowsaue, near Stettin, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application November 21, 1936, Serial No. 112,046
In Germany November 25, 1935
4 Claims. (Cl. 18—8)

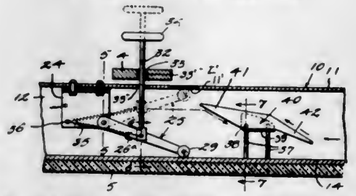


1. In an apparatus for use in the manufacture of yarn of artificial origin, a combination comprising a spinnerette for extruding the thread, a means for collecting a thread into a yarn body, a driven roller positioned between said spinnerette and said collecting means, said driven roller having different diameter surfaces, one of said surfaces being shaped to conform to a frusto cone and the other being of a cylindrical shape, means to guide said thread over said surfaces and means to vary the position of said thread on said conical surface as the yarn body is built up.

2,182,763
PROCESS OF PRODUCING PHTHALOCYANINE DYESTUFFS
Fritz Muehlbauer, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 17, 1937, Serial No. 131,407. In Germany June 19, 1935
2 Claims. (Cl. 260—319)

1. A process of producing phthalocyanine dyestuffs which comprises admixing phthalodinitrile with sodamide dimethylaniline and adding to the mixture thus obtained while heating an aliphatic alcohol.

2,182,764
VEHICLE STEERING WHEEL SWITCH
Robert Henry Polk, Hapeville, Ga.; Robert Eugene Polk, executor of said Robert Henry Polk, deceased
Application July 21, 1938, Serial No. 220,587
8 Claims. (Cl. 200—59)

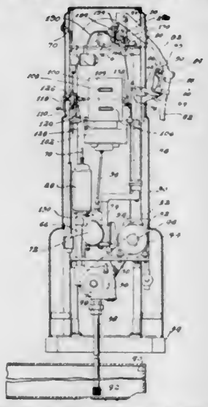


1. A motor vehicle steering wheel switch for interposition between a source of electric potential and an electric indicator, comprising a stationary body disposed around the post of the steering wheel, a cover for said body carried by the steering wheel for rotation therewith relative to the stationary body, a current conducting unbroken annulus carried by the stationary body in concentric relation with the steering wheel post and forming one side of the switch, a spring actuated switch arm supported at one end by the cover and adapted to have its other end vertically swung to have an off and an on position and when in said on position having said end engaging said annulus, and means carried by the stationary body adjacent said arm and adapted to move said arm into on position upon rotation of the arm with the cover in one direction and to move the arm into off position upon rotation of the arm and cover in the opposite direction.

2,182,765
METHOD OF MOISTUREPROOFING REGENERATED CELLULOSE
Charles Forbes Silsby, White Plains, N. Y., assignor to The Solvay Process Company, Syracuse, N. Y., a corporation of New York
No Drawing. Application August 16, 1937, Serial No. 159,438
6 Claims. (Cl. 91—68)

1. A method of moistureproofing sheets of regenerated cellulose which comprises treating said sheets with a liquid miscible with the liquids contained in said sheets to substantially completely replace the liquids in the surface layers only of said sheets with said first-mentioned liquid, then impregnating said sheets with a solution of a moistureproofing agent in a solvent miscible with the liquid used in the first step, and evaporating the solvent from the sheets.

2,182,766
LIQUID DISPENSING APPARATUS
Frederick W. Sturm and Byron J. Pepper, Fort Wayne, Ind., assignors to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application April 5, 1937, Serial No. 135,172
16 Claims. (Cl. 221—95)



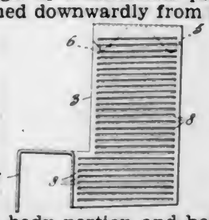
1. In liquid dispensing apparatus, the combination of a meter the inlet side of which is adapted to be connected to means for supplying liquid to be measured thereto, a discharge line connected to the outlet side of said meter, said discharge line including a discharge hose and nozzle therefor, a register operated by the meter, the operation of the register being proportional to the amount of liquid dispensed, a reset shaft for said register, reset shaft operating means, a support for said nozzle, means adjacent said support engageable with said nozzle and controlled by the pressure from said pump for locking said nozzle on said support, and means controlled by said reset shaft operating means for rendering said last named means inoperative when said register has been reset to a predetermined position.

2,182,767
PROCESS OF OBTAINING PHOSPHATIDES FROM SOAP STOCK
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application January 21, 1939, Serial No. 252,212
12 Claims. (Cl. 260—403)

3. The process of recovering phosphatides, which comprises, treating soap stock, resulting from the alkali refining of phosphatide containing vegetable oils and containing a material consisting essentially of phosphatides and a material consisting essentially of soap, with a solvent for only one of said materials to form a solution of said one of said materials, separating the undissolved material from said solution to separate said soap from said phosphatides, and further treating the material containing said phosphatides to purify said phosphatides.

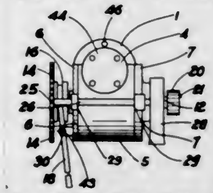
2,182,768
SPRAY SHIELD
Johannes Uytenbogaart and August Hartmann, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application April 3, 1936, Serial No. 72,466
In Germany April 8, 1935
9 Claims. (Cl. 18—8)

9. A spray shield comprising an upstanding main body portion having parallel slots which are at an angle to a horizontal plane, an upper portion inclined downwardly from the upper end



of said main body portion and having slots extending substantially longitudinally of the upper inclined portion, and a bracket member formed integral with said main body portion.

2,182,769
OPERATOR
John C. Van Riper, Fair Lawn, N. J., assignor to Watson-Flagg Machine Company, Paterson, N. J., a corporation
Application May 13, 1938, Serial No. 207,645
2 Claims. (Cl. 74—407)

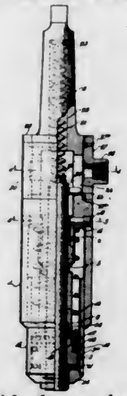


1. An operator of the type described including a motor drive, a quil shaft, a worm gear keyed to the motor shaft, a worm wheel formed as an integral part of said quil shaft and adapted to mesh with said worm gear, a male spline fixed to one end of said quil shaft, a main drive shaft journalled in said quil shaft, a fixed positive driving gearing connecting said main drive shaft to a driven machine, a male spline fixed to one end of said main drive shaft, a quil shaft combination radial and thrust bearing supported by the operator housing for carrying the left thrust of said quil shaft directly to said housing, a main drive shaft combination radial and thrust bearing supported by the operator housing for carrying the right thrust of said main shaft directly to said housing, a combination radial and thrust bearing located between the quil and main shafts intermediate the said quil shaft and main shaft combination radial and thrust bearings for carrying the right thrust of the quil shaft to the main shaft and the left thrust of the main shaft to the quil shaft, a manual drive adapted to be geared to said main shaft for driving said main shaft independently of said quil shaft, a female clutch spline in constant mesh with said main shaft spline and in selective mesh with said quil shaft spline, and means for operatively connecting the manual drive with and disconnecting the quil shaft from the main drive shaft, or the reverse, in one operation.

2,182,770
CUTTING TOOL
Charles H. Woodcock, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 21, 1939, Serial No. 280,224
10 Claims. (Cl. 90—15)

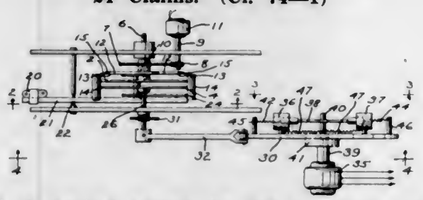
1. An internal recessing machine comprising a housing adapted to rotate about a fixed axis,

a shaft journaled within said housing and eccentric thereto, a recessing element mounted upon said shaft, an inner sleeve surrounding said shaft eccentric thereto and concentric to said housing, an outer sleeve surrounding said inner sleeve and concentric to said inner sleeve and



said housing, said sleeves being longitudinally slidable within said housing, means associated with said shaft and said housing for insuring unitary rotation of said shaft with said housing, and means associated with said inner sleeve and said housing for changing the eccentricity of said shaft with respect to said housing.

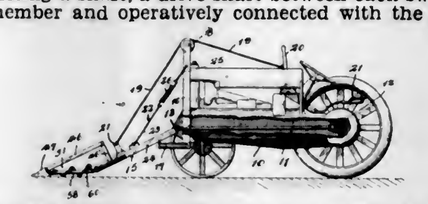
2,182,771
CONTROL SYSTEM
Friedrich Viktor Anton Ernst Engel, London, England, assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application December 1, 1937, Serial No. 177,500
In Great Britain March 25, 1937
24 Claims. (Cl. 74—1)



1. A control system for the regulation of a variable characteristic comprising a rotary member provided with means arranged for movement at a constant speed along a circular path, means operable to cause the first mentioned means during a portion of a rotation to be deflected from its circular path of movement and periodically operable means for varying the characteristic to be controlled adapted to be operated by the first mentioned means during movement along the deflected path.

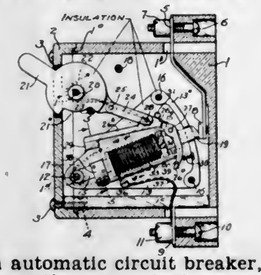
2,182,772
CORN PICKING MACHINE
Bert Nightenhelser, Westfield, and Julius Ballard, Noblesville, Ind.
Application March 11, 1939, Serial No. 261,276
6 Claims. (Cl. 56—18)

1. In a corn harvesting machine, the combination with a tractor having forwardly extended power take-off shafts, a snapping roll unit connected wtih each shaft, each unit including an auger operatively connected with the snapping roll unit for elevating corn received therefrom, a pair of divergently arranged sweep members for each snapping unit, each sweep member comprising a shaft, a drive shaft between each sweep member and operatively connected with the re-



spective snapping roll units, means for longitudinally adjusting the snapping roll units with respect to the sweep units, said sweep shafts having a tapering helicoidal worm increasing in diameter in direction of the snapping rolls to a point of actual contact between the worms of each unit immediately in advance of the snapping rolls.

2,182,773
AUTOMATIC CIRCUIT BREAKER
Joseph Sachs, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application February 27, 1939, Serial No. 258,699
6 Claims. (Cl. 200—88)

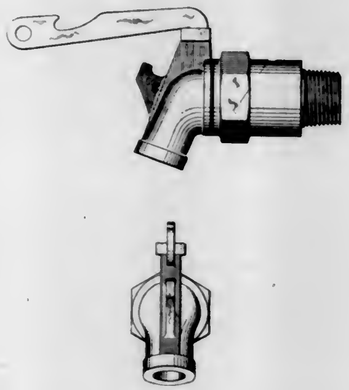


1. In an automatic circuit breaker, the combination of a stationary contact, a movable contact member having a contact adapted to engage and disengage the stationary contact, the said contact member being biased for movement toward its open-circuit position, an operating member movable under manual control, means mechanically connecting the contact member with the operating member to enable the former to control the latter and normally serving when the operating member is in closed-circuit position to hold the contact member in closed-circuit position, a thermostatic bi-metallic strip supported upon and bodily movable with the contact member and arranged to be heated and deflected upon the attainment of an abnormal current condition in the circuit, the said strip upon deflection acting upon the said mechanical connection to release the contact member for automatic circuit-opening movement, and a magnet supported upon and bodily movable with the contact member and arranged to be energized upon the attainment of abnormal current conditions in the circuit, the said magnet upon energization acting upon the said mechanical connection independently of the bi-metallic strip to release the contact member for automatic circuit-opening movement.

DESIGNS

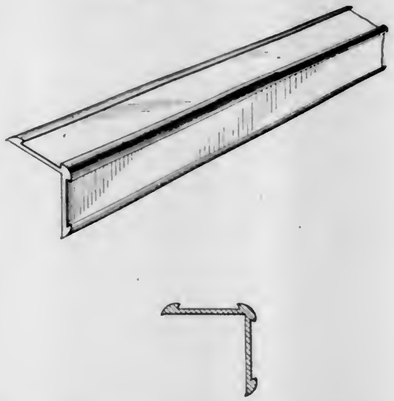
DECEMBER 5, 1939

117,892
DESIGN FOR A FAUCET FOR DRAWING LIQUID FROM SEALED CONTAINERS
Raymond D. Bienemann, Burlington, Wis., assignor to Security Manufacturing and Contracting Company, Burlington, Wis., a corporation of Wisconsin
Application August 21, 1939, Serial No. 86,808
Term of patent 7 years



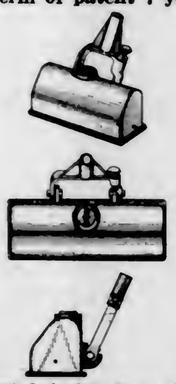
The ornamental design for a faucet for drawing liquid from sealed containers, as shown.

117,893
DESIGN FOR A CORNER MOLDING OR SIMILAR ARTICLE
William L. Bonnell, Columbus, Ohio
Application August 26, 1938, Serial No. 79,586
Term of patent 14 years



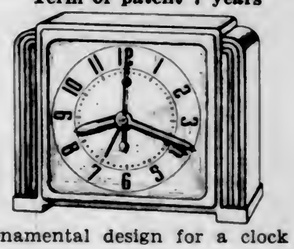
The ornamental design for a corner molding or similar article, as shown.

117,894
DESIGN FOR A LIQUID APPLICATOR
Henry J. Brownstein, Chicago, Ill.
Application September 14, 1939, Serial No. 87,213
Term of patent 7 years



The ornamental design for a liquid applicator, substantially as shown.

117,895
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 20, 1939, Serial No. 87,771
Term of patent 7 years



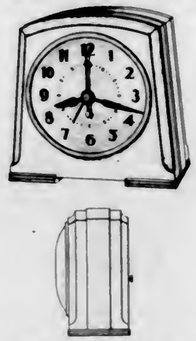
The ornamental design for a clock case, as shown.

117,896
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 20, 1939, Serial No. 87,772
Term of patent 7 years



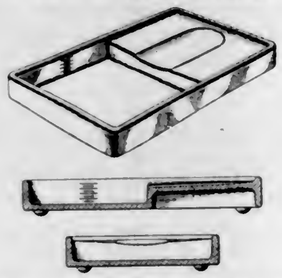
The ornamental design for a clock case, as shown.

117,897
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 20, 1939, Serial No. 87,773
Term of patent 7 years



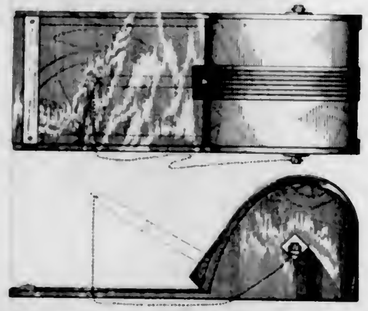
The ornamental design for a clock case, as shown.

117,898
DESIGN FOR A HAIR DYEING TRAY
Ashley Carawan, Chicago, Ill.
Application April 6, 1939, Serial No. 84,093
Term of patent 7 years



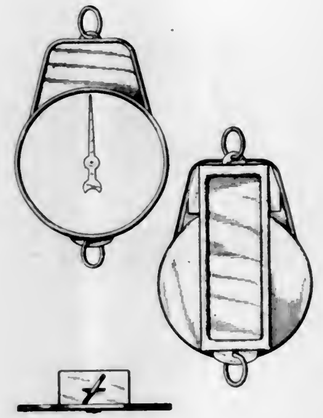
The ornamental design for a hair dyeing tray, as shown.

117,899
DESIGN FOR A COMBINATION DESK UNIT
Chester B. Gooding, Wakefield, Mass.
Application May 5, 1939, Serial No. 84,816
Term of patent 7 years



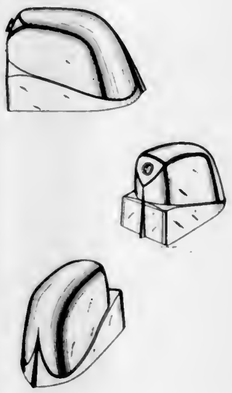
The ornamental design for a combination desk unit, substantially as shown.

117,900
DESIGN FOR A SCALE
Stan L. Hanssen, Chicago, Ill., assignor to Hanson Scale Company, Chicago, Ill., a corporation of Illinois
Application April 14, 1939, Serial No. 84,274
Term of patent 14 years



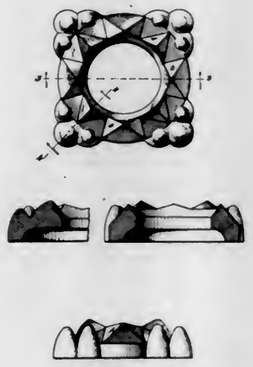
The ornamental design for a scale, as shown.

117,901
DESIGN FOR A PENCIL SHARPENER
Edward C. Hoffmann, University City, Mo.
Application April 13, 1939, Serial No. 84,268
Term of patent 14 years



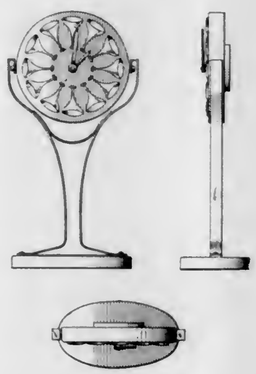
The ornamental design for a pencil sharpener, as shown and described.

117,902
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
Henry R. Kiepe, Newark, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
Application October 12, 1939, Serial No. 87,643
Term of patent 14 years



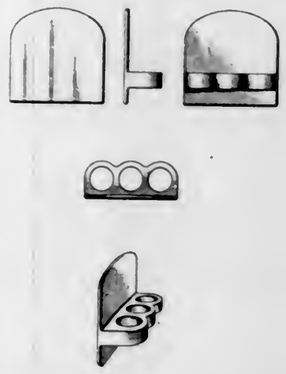
The ornamental design for jewelry setting or similar article, as shown.

117,903
DESIGN FOR A CLOCK
Spero George Kooluris, Newark, and Leslie Fox, Cedar Grove, N. J.
Application October 11, 1939, Serial No. 87,624
Term of patent 3½ years



The ornamental design for a clock, as shown.

117,904
DESIGN FOR A FINGER GUARD, FOR SLICING VEGETABLES, MEATS, OR THE LIKE
Leo Körmendy, Detroit, Mich.
Application April 3, 1939, Serial No. 84,006
Term of patent 3½ years



The ornamental design for a finger guard, for slicing vegetables, meats, or the like, as shown.

117,905
DESIGN FOR A VELOCIPEDE
Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 2, 1939, Serial No. 84,716
Term of patent 7 years



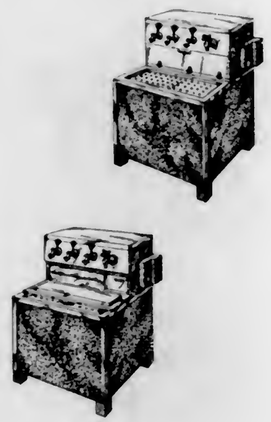
The ornamental design for a velocipede, as shown.

117,906
DESIGN FOR A TRICYCLE
George Lewinski, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application June 5, 1939, Serial No. 85,354
Term of patent 7 years



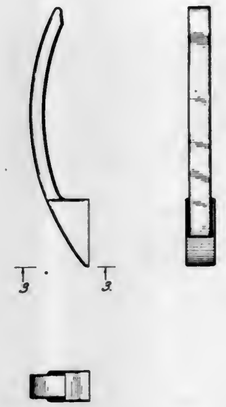
The ornamental design for a tricycle, substantially as shown.

117,907
DESIGN FOR A BEVERAGE COOLING CABINET OR SIMILAR ARTICLE
Michael A. Martin, Erie, Pa.
Application August 19, 1938, Serial No. 79,445
Term of patent 14 years



The ornamental design for a beverage cooling cabinet or similar article, substantially as shown and described.

117,908
DESIGN FOR A DOOR HANDLE
John R. Morgan, Oak Park, Ill., assignor to Sunbeam Electric Manufacturing Co., Evansville, Ind., a corporation of Indiana
Application July 8, 1939, Serial No. 85,924
Term of patent 3½ years



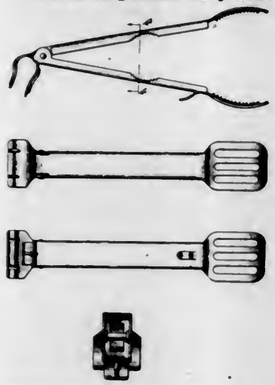
The ornamental design for a door handle, substantially as shown.

117,909
DESIGN FOR A SHOE LAST
Christy Reggie, Queens Village, N. Y.
Application July 19, 1939, Serial No. 86,075
Term of patent 7 years



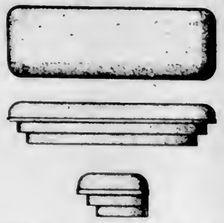
The ornamental design for a shoe last, substantially as shown.

117,910
DESIGN FOR A COMBINATION KITCHEN TOOL
Robert Roller, Haddonfield, N. J.
Application February 27, 1939, Serial No. 83,218
Term of patent 14 years



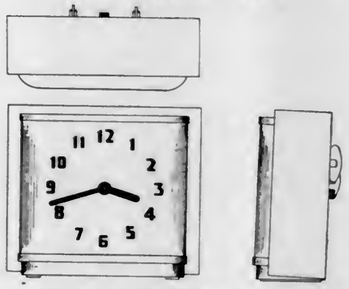
The ornamental design for a combination kitchen tool, as shown.

117,911
DESIGN FOR A LAMP SHADE
Overton Sacksteder, Jr., Muncie, Ind.
Application October 6, 1939, Serial No. 87,545
Term of patent 3½ years



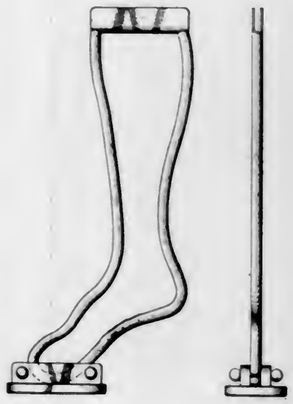
The ornamental design for a lamp shade, as shown.

117,912
DESIGN FOR A CLOCK CASING
Max Schlenker, Peru, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application October 11, 1939, Serial No. 87,622
Term of patent 7 years



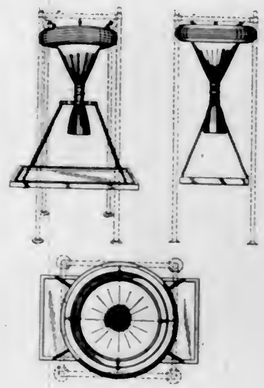
The ornamental design for a clock casing, as shown.

117,913
DESIGN FOR A DISPLAY STAND FOR HOSIERY
Samuel Sobel, New York, N. Y.
Application October 2, 1939, Serial No. 87,479
Term of patent 14 years



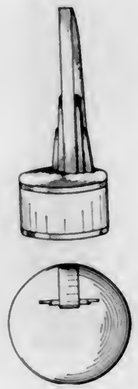
The ornamental design for a display stand for hosiery, as shown.

117,914
DESIGN FOR A TIRE CONSTRUCTION DISPLAY UNIT
George C. Van Veen, Chicago, Ill., assignor to The Pharis Tire and Rubber Company, Newark, Ohio, a corporation of Ohio
Application September 15, 1938, Serial No. 79,920
Term of patent 3½ years



The ornamental design for a tire construction display unit, as shown and described.

117,915
DESIGN FOR A DISPLAY STAND FOR AUTOMOBILE HORNS
Max Watson, Omaha, Nebr., assignor to Jubilee Manufacturing Company, Omaha, Nebr., a corporation of Nebraska
Application October 4, 1939, Serial No. 87,510
Term of patent 7 years



The ornamental design for a display stand for automobile horns, as shown.

117,916
DESIGN FOR A CLOCK CASE
Findley Williams, Park Ridge, Ill., assignor to Warren Telechron Company, Ashland, Mass., a corporation of Maine
Application October 7, 1939, Serial No. 87,564
Term of patent 7 years



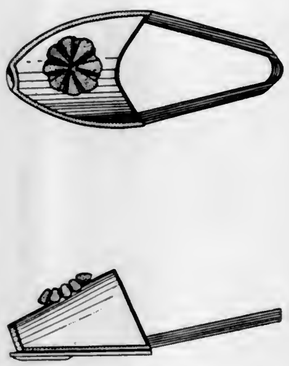
The ornamental design for a clock case, as shown.

117,917
DESIGN FOR A RAZOR BLADE RECEPTACLE OR SIMILAR ARTICLE
Irving S. Bodkin, New York, N. Y.
Application April 19, 1939, Serial No. 84,379
Term of patent 14 years



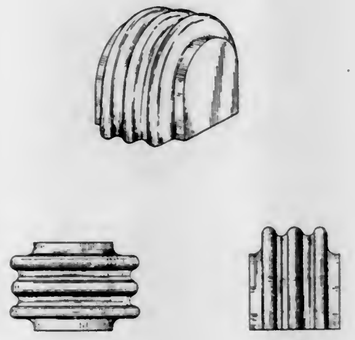
The ornamental design for a razor blade receptacle or similar article, substantially as shown.

117,918
DESIGN FOR A TAPPING SLIPPER
Benjamin Brodick, New York, N. Y.
Application October 25, 1939, Serial No. 87,847
Term of patent 3½ years



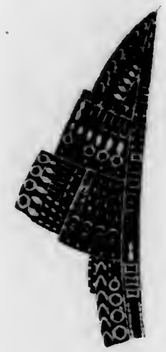
The ornamental design for a tapping slipper, substantially as shown and described.

117,919
DESIGN FOR A HOOD FOR ELECTRIC LAMPS
Charles E. Caestecker, Chicago, Ill.
Application October 9, 1939, Serial No. 87,587
Term of patent 14 years



The ornamental design for a hood for electric lamps, substantially as shown.

117,920
DESIGN FOR AN EMBROIDERED TRIMMING
Ernest W. Freudenberg, Larchmont, N. Y.
Application October 21, 1939, Serial No. 87,781
Term of patent 3½ years



The ornamental design for an embroidered trimming, as shown and described.

117,921
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application October 21, 1939, Serial No. 87,783
Term of patent 3½ years



The ornamental design for an embroidered textile fabric or similar article, as shown and described.

117,922
DESIGN FOR A KNITTED SHOE OR SIMILAR ARTICLE
Fred Gluck, New York, N. Y.
Application November 3, 1939, Serial No. 88,019
Term of patent 3½ years



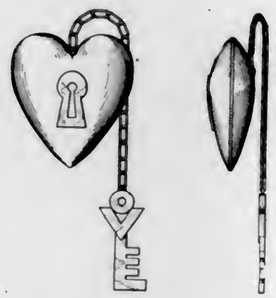
The ornamental design for a knitted shoe or similar article, substantially as shown.

117,923
DESIGN FOR A KNITTED SHOE OR SIMILAR ARTICLE
Fred Gluck, New York, N. Y.
Application November 3, 1939, Serial No. 88,020
Term of patent 3½ years



The ornamental design for a knitted shoe or similar article, substantially as shown.

117,924
DESIGN FOR A BROOCH OR SIMILAR ARTICLE OF JEWELRY
Isabelle Z. Joyce, Chicago, Ill., assignor to Spaulding-Gorham, Inc., Chicago, Ill., a corporation of Illinois
Application September 22, 1939, Serial No. 87,352
Term of patent 3½ years



The ornamental design for a brooch or similar article of jewelry, substantially as shown.

117,925
DESIGN FOR A PIN CLIP
Jacques H. Leff, New York, N. Y.
Application October 30, 1939, Serial No. 87,916
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

117,926
DESIGN FOR A PIN CLIP
Jacques H. Leff, New York, N. Y.
Application October 30, 1939, Serial No. 87,917
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

117,927
DESIGN FOR A PIN CLIP
Jacques H. Leff, New York, N. Y.
Application October 30, 1939, Serial No. 87,918
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

117,928
DESIGN FOR A PIN CLIP
Jacques H. Leff, New York, N. Y.
Application October 30, 1939, Serial No. 87,919
Term of patent 3½ years



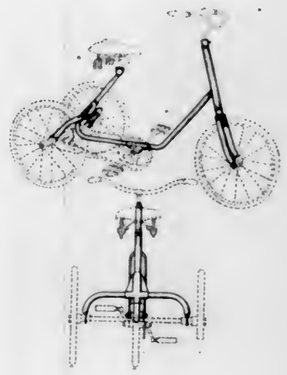
The ornamental design for a pin clip, substantially as shown.

117,929
DESIGN FOR A PIN CLIP
Jacques H. Leff, New York, N. Y.
Application October 30, 1939, Serial No. 87,920
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

117,930
DESIGN FOR A TRICYCLE
George Lewinski, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application June 5, 1939, Serial No. 85,355
Term of patent 7 years



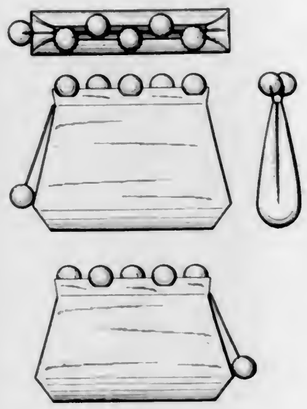
The ornamental design for a tricycle, substantially as shown.

117,931
DESIGN FOR A SLIPPER
Morris Lippert, Brooklyn, N. Y.
Application November 1, 1939, Serial No. 87,992
Term of patent 3½ years



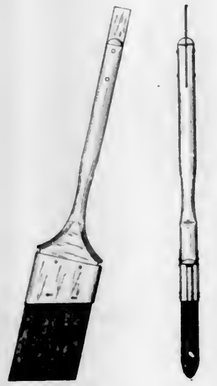
The ornamental design for a slipper, substantially as shown.

117,932
DESIGN FOR A HANDBAG
Rudolph Lobel, New York, N. Y.
Application November 4, 1939, Serial No. 88,041
Term of patent 3½ years



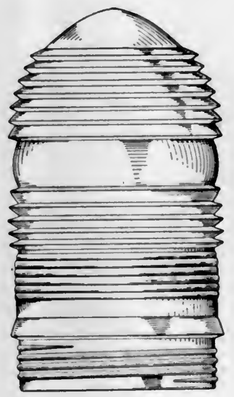
The ornamental design for a handbag, substantially as shown.

117,933
DESIGN FOR A COMBINED PAINT BRUSH AND SCRAPER
Winfield S. Manchester, Newton Center, and Herbert Hathaway, Medford, Mass., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
Application April 22, 1939, Serial No. 84,498
Term of patent 3½ years



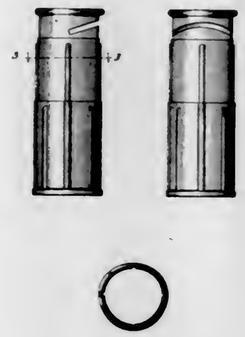
The ornamental design for a combined paint brush and scraper, substantially as shown.

117,934
DESIGN FOR A FRESNEL LENS OR SIMILAR ARTICLE
Emilio Pascucci, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application October 13, 1939, Serial No. 87,653
Term of patent 14 years



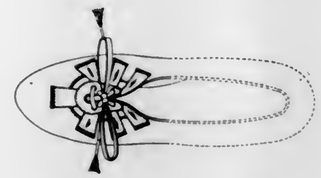
The ornamental design for a fresnel lens or similar article, as shown.

117,935
DESIGN FOR A TOY BANK
Arthur C. Prince, Chicago, Ill., assignor to Chicago Thrift Company, Chicago, Ill., a corporation of Illinois
Application August 25, 1939, Serial No. 86,886
Term of patent 14 years



The ornamental design for a toy bank, as shown.

117,936
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application November 6, 1939, Serial No. 88,074
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

117,937
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application November 6, 1939, Serial No. 88,076
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

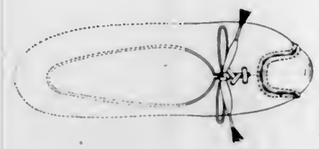
117,938
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application November 6, 1939, Serial No. 88,077
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

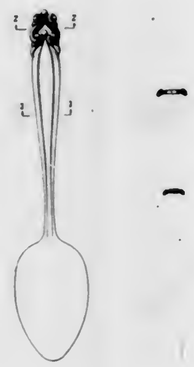
117,939
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application November 6, 1939, Serial No. 88,078
Term of patent 3½ years





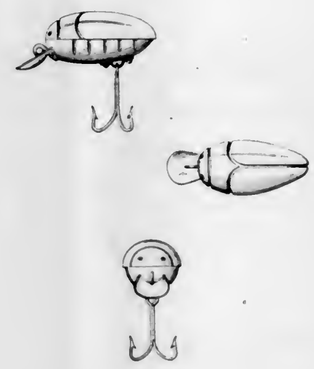
The ornamental design for a shoe or similar article, substantially as shown.

117,940
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application October 16, 1939, Serial No. 87,684
Term of patent 7 years



The ornamental design for a spoon or other article of flatware, substantially as shown.

117,941
DESIGN FOR A FISH BAIT
John M. Withey, Howell, Mich.
Application September 15, 1939, Serial No. 87,242
Term of patent 14 years



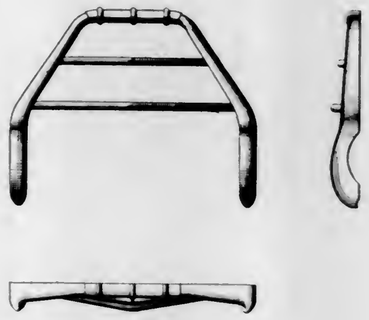
The ornamental design for a fish bait, as shown.

117,942
DESIGN FOR A HAIR DRIER OR SIMILAR ARTICLE
Egmont Arens, New York, N. Y., assignor to The Nestle-Lemur Company, New York, N. Y., a corporation of Ohio
Application July 25, 1939, Serial No. 86,233
Term of patent 14 years



The ornamental design for a hair drier or similar article, substantially as shown.

117,943
DESIGN FOR A GRILLE GUARD
Gustave F. Bahr, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application October 28, 1939, Serial No. 87,900
Term of patent 14 years



The ornamental design for a grille guard, as shown.

117,944
DESIGN FOR A HAIR CLIPPER
Robert E. Bourke, Jr., Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 11, 1939, Serial No. 87,135
Term of patent 3½ years



The ornamental design for a hair clipper, substantially as shown.

117,945
DESIGN FOR A SLIP
Esther Cadous, New York, N. Y.
Application October 25, 1939, Serial No. 87,842
Term of patent 3½ years



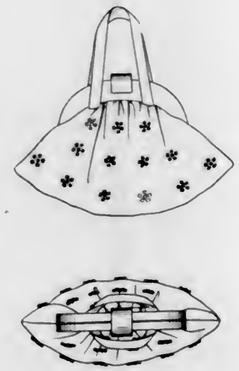
The ornamental design for a slip, substantially as shown and described.

117,946
DESIGN FOR A RANGE
Edward S. Criddle, Franklin, Tenn.
Application April 7, 1939, Serial No. 84,110
Term of patent 3½ years



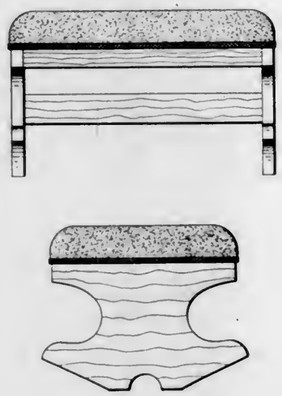
The ornamental design for a range, as shown and described.

117,947
DESIGN FOR A HANDBAG
Sigmund Dawer, New York, N. Y.
Application April 21, 1939, Serial No. 84,445
Term of patent 3½ years



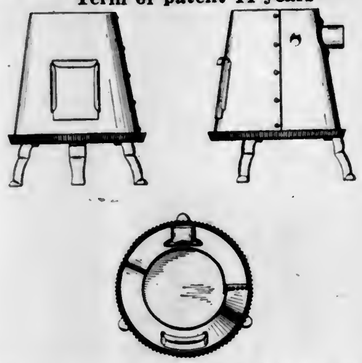
The ornamental design for a handbag, substantially as shown and described.

117,948
DESIGN FOR A FOOTSTOOL OR SIMILAR ARTICLE
Mark K. Forman, Worcester, Mass., assignor of one-third to James E. Connor and one-third to John J. Sullivan, both of Worcester, Mass.
Application October 12, 1939, Serial No. 87,644
Term of patent 7 years



The ornamental design for a footstool or similar article, as shown.

117,949
DESIGN FOR A STOVE
Ira J. Golden, Searcy, Ark.
Application September 19, 1939, Serial No. 87,291
Term of patent 14 years



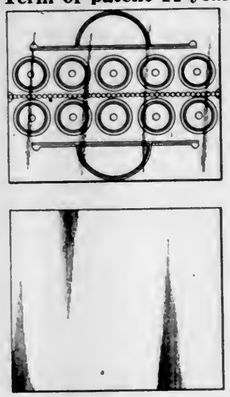
The ornamental design for a stove, as shown.

117,950
DESIGN FOR A SHOE
Rose Gruensfelder, St. Louis, Mo.
Application August 16, 1939, Serial No. 86,718
Term of patent 7 years



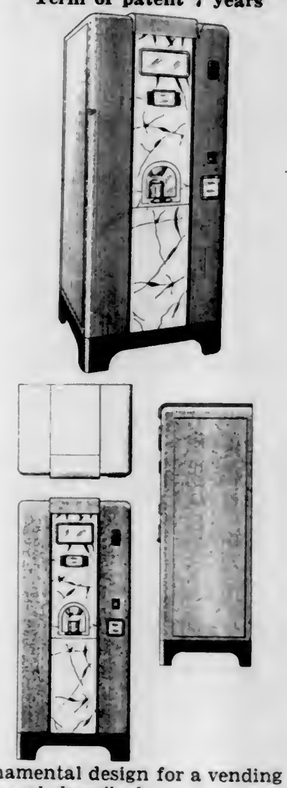
The ornamental design for a shoe, as shown and described.

117,951
DESIGN FOR A GAME BOARD
Douglas J. Hafften, Minneapolis, Minn.
Application July 17, 1939, Serial No. 86,050
Term of patent 14 years



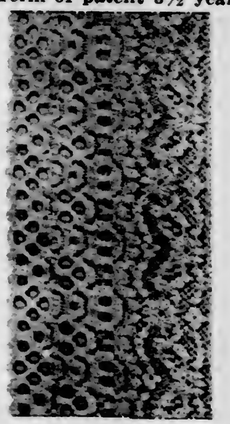
The ornamental design for a game board, as shown.

117,952
DESIGN FOR A VENDING MACHINE
Arthur C. Haggstrom, Rockford, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application April 19, 1939, Serial No. 84,378
Term of patent 7 years



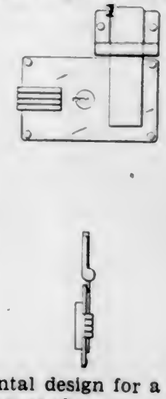
The ornamental design for a vending machine, as shown and described.

117,953
DESIGN FOR A LACE
Leo L. Kahn, New York, N. Y.
Application November 13, 1939, Serial No. 88,211
Term of patent 3½ years



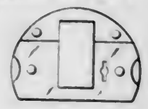
The ornamental design for a lace, substantially as shown.

117,954
DESIGN FOR A LOCK FOR LUGGAGE CASES OR THE LIKE
Abraham Levine, Elizabeth, N. J.
Application April 20, 1939, Serial No. 84,412
Term of patent 14 years



The ornamental design for a lock for luggage cases or the like, as shown.

117,955
DESIGN FOR A LOCK FOR LUGGAGE CASES OR THE LIKE
Abraham Levine, Elizabeth, N. J.
Application April 20, 1939, Serial No. 84,414
Term of patent 14 years





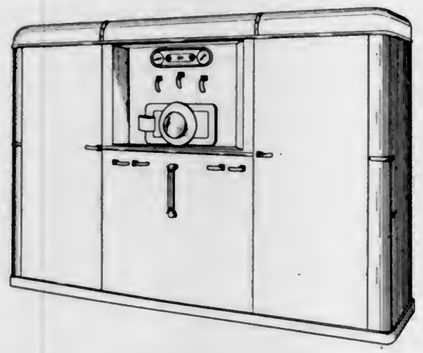
The ornamental design for a lock for luggage cases or the like, as shown.

117,956
DESIGN FOR A DISPLAY REFRIGERATOR
Frank Maresca, New York, N. Y.
Application August 16, 1939, Serial No. 86,722
Term of patent 14 years



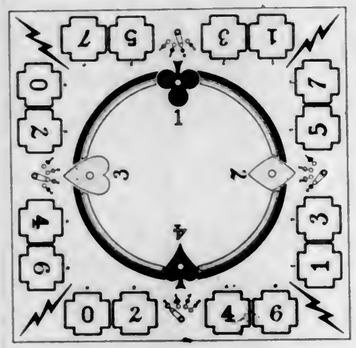
The ornamental design for a display refrigerator, substantially as shown.

117,957
DESIGN FOR A DRY CLEANING MACHINE CABINET
Joseph Novotny, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application April 14, 1939, Serial No. 84,292
Term of patent 7 years



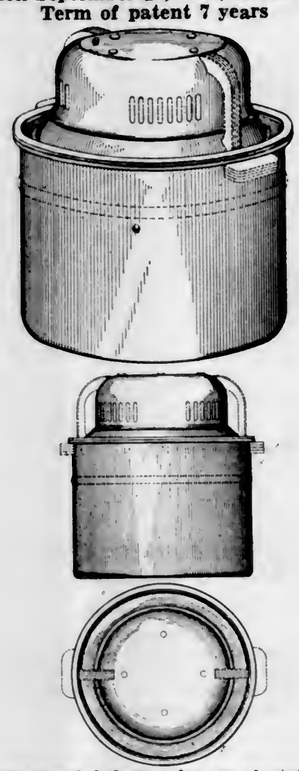
The ornamental design for a dry cleaning machine cabinet, as shown and described.

117,958
DESIGN FOR A GAME BOARD
James Mason Prentice, Holyoke, Mass.
Application January 27, 1939, Serial No. 82,626
Term of patent 3½ years



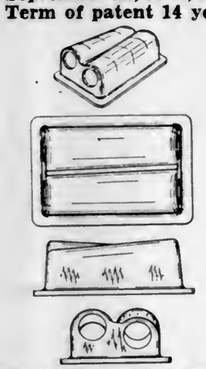
The ornamental design for a game board, substanially as shown and described.

117,959
DESIGN FOR AN ELECTRIC WASHING MACHINE
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 11, 1939, Serial No. 87,139
Term of patent 7 years



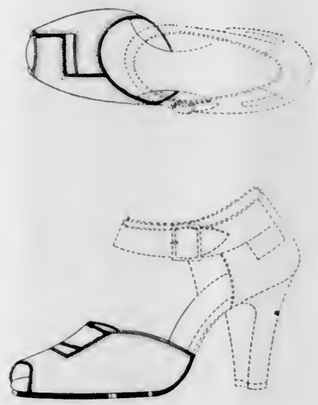
The ornamental design for an electric washing machine, substantially as shown and described.

117,960
DESIGN FOR A SILO LUG
Peter Rutten, Plainfield, Ill.
Application September 22, 1938, Serial No. 80,036
Term of patent 14 years



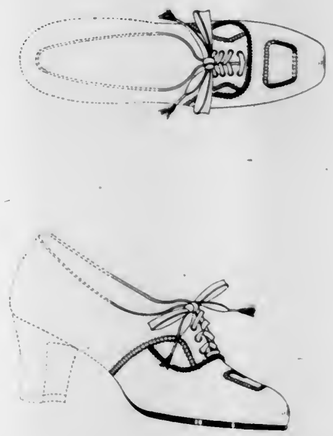
The ornamental design for a silo lug, substantially as shown.

117,961
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application November 6, 1939, Serial No. 88,079
Term of patent 3½ years



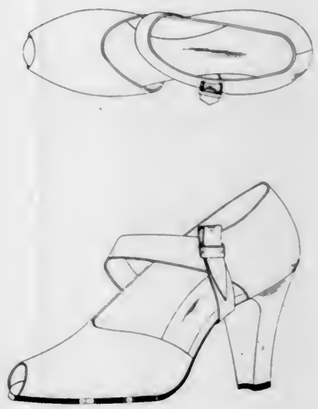
The ornamental design for a shoe or similar article, substantially as shown.

117,962
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application November 6, 1939, Serial No. 88,080
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

117,963
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application November 6, 1939, Serial No. 88,081
Term of patent 3½ years



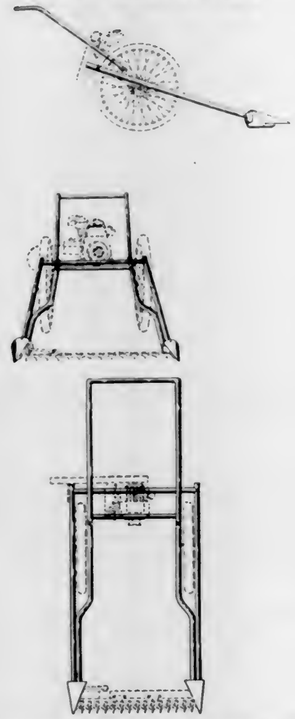
The ornamental design for a shoe or similar article, substantially as shown.

117,964
DESIGN FOR A CHAIR
Thomas E. Smith, New York, N. Y., assignor to Swan Eng. Co., Inc., Newark, N. J., a corporation of New Jersey
Application September 19, 1939, Serial No. 87,283
Term of patent 7 years



The ornamental design for a chair, as shown.

117,965
DESIGN FOR A SICKLE MOWER
Arvid Stark, Minneapolis, Minn., assignor to Ludwig J. Bratrud, Minneapolis, Minn.
Application July 14, 1939, Serial No. 86,008
Term of patent 14 years



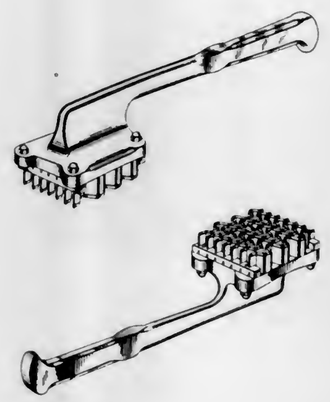
The ornamental design for a sickle mower, as shown and described.

117,966
DESIGN FOR A RADIO CABINET
Norman Bel Geddes, New York, N. Y., assignor to Majestic Radio and Television Corporation, Dover, Del., a corporation of Delaware
Application July 26, 1939, Serial No. 86,247
Term of patent 3½ years



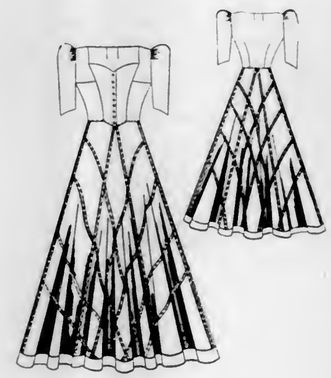
The ornamental design for a radio cabinet, substantially as shown and described.

117,967
DESIGN FOR A MEAT TENDERER
Quirino Beltram, Newark, N. J.
Application August 5, 1939, Serial No. 86,485
Term of patent 14 years



The ornamental design for a meat tenderer, substantially as shown.

117,968
DESIGN FOR AN EVENING GOWN
Harry Berman, New York, N. Y.
Application November 7, 1939, Serial No. 88,108
Term of patent 3½ years



The ornamental design for an evening gown, substantially as shown.

117,969
DESIGN FOR A LACE
George M. Boysen, Philadelphia, Pa.
Application November 10, 1939, Serial No. 88,185
Term of patent 3½ years



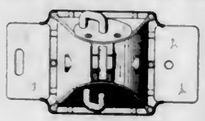
The ornamental design for a lace, substantially as shown and described.

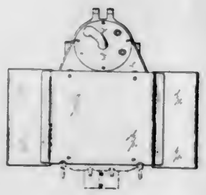
117,970
DESIGN FOR A LACE
George M. Boysen, Philadelphia, Pa.
Application November 10, 1939, Serial No. 88,186
Term of patent 3½ years



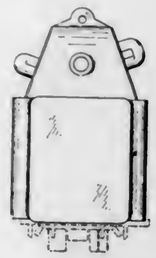
The ornamental design for a lace, substantially as shown.

117,971
DESIGN FOR A TRANSFORMER CASING
Meril L. Eckman, Cleveland, Ohio, assignor to The American Coach and Body Company, Cleveland, Ohio, a corporation of Ohio
Application June 8, 1939, Serial No. 85,408
Term of patent 14 years



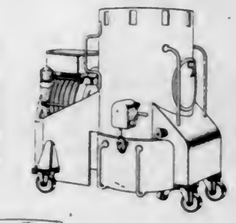


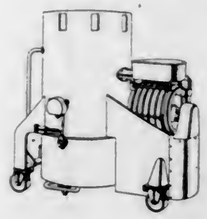
117,971—Continued



The ornamental design for a transformer casing, substantially as shown and described.

117,972
DESIGN FOR A DUST COLLECTING APPARATUS
Eugene A. Failmezger, De Witt, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application April 19, 1939, Serial No. 84,393
Term of patent 14 years





The ornamental design for a dust collecting apparatus, as shown.

117,973
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application November 9, 1939, Serial No. 88,149
Term of patent 3½ years



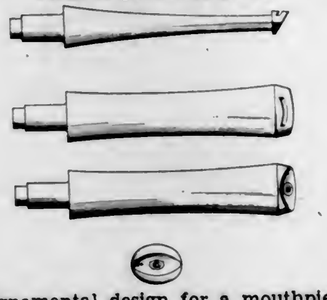
The ornamental design for an embroidered trimming or similar article, as shown.

117,974
DESIGN FOR A PUFFED AND EMBROIDERED TEXTILE FABRIC
Michael B. Kaplan, New York, N. Y.
Application November 9, 1939, Serial No. 88,136
Term of patent 3½ years



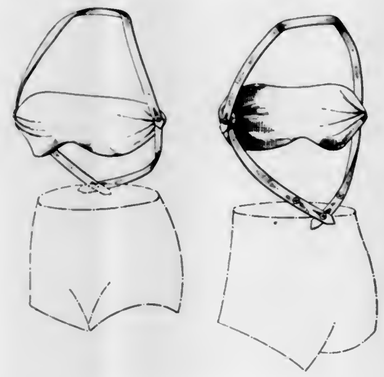
The ornamental design for a puffed and embroidered textile fabric, substantially as shown.

117,975
DESIGN FOR A MOUTHPIECE FOR SMOKING PIPES, CIGARETTE HOLDERS, OR SIMILAR ARTICLES
Rudolph Hirsch, North Bergen, N. J., assignor to The Reiss-Premier Corporation, West New York, N. J., a corporation of New Jersey
Application August 16, 1939, Serial No. 86,728
Term of patent 14 years



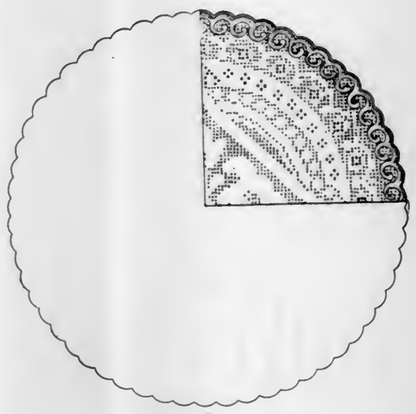
The ornamental design for a mouthpiece for smoking pipes, cigarette holders, or similar articles, substantially as shown and described.

117,976
DESIGN FOR A BATHING SUIT OR SIMILAR ARTICLE
Bernard J. Hoffman, Jr., Forest Hills, Long Island, N. Y.
Application August 23, 1939, Serial No. 86,853
Term of patent 14 years



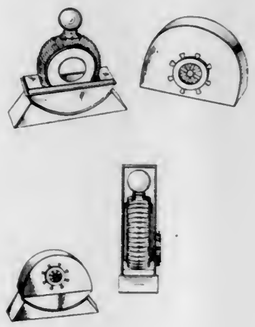
The ornamental design for a bathing suit or similar article, substantially as shown.

117,977
DESIGN FOR A DOILY
Robert J. Hutt and George A. Hutt, Brooklyn, N. Y.
Application May 12, 1939, Serial No. 84,936
Term of patent 3½ years



The ornamental design for a doily, as shown and described.

117,978
DESIGN FOR A COMBINED PERFUME BOTTLE AND HOLDER THEREFOR
Robert B. Karoff, New York, N. Y.
Application June 4, 1938, Serial No. 77,570
Term of patent 3½ years



The ornamental design for a combined perfume bottle and holder therefor, substantially as shown and described.

117,979
DESIGN FOR A DRESS
Louis Kushman, New York, N. Y.
Application October 19, 1939, Serial No. 87,715
Term of patent 3½ years



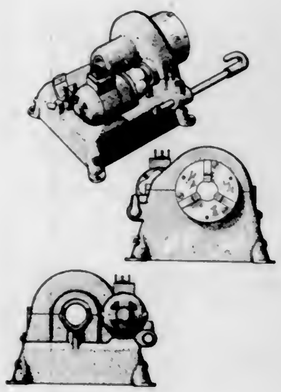
The ornamental design for a dress, substantially as shown and described.

117,980
DESIGN FOR A GLASS BOTTLE
Albert C. Meyer, Glenshaw, Pa., assignor to Glenshaw Glass Company, Glenshaw, Pa., a corporation of Pennsylvania
Application December 15, 1938, Serial No. 81,805
Term of patent 14 years



The ornamental design for a glass bottle, as shown and described.

117,981
DESIGN FOR AN ELECTRIC POWER DRIVE UNIT FOR USE WITH HAND CUTTING TOOLS
Robert B. Pealer, Parkman, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application October 4, 1939, Serial No. 87,495
Term of patent 14 years



The ornamental design for an electric power drive unit for use with hand cutting tools, substantially as shown.

117,982
DESIGN FOR A DRESS
Jane Rosener, New York, N. Y.
Application November 14, 1939, Serial No. 88,250
Term of patent 3½ years



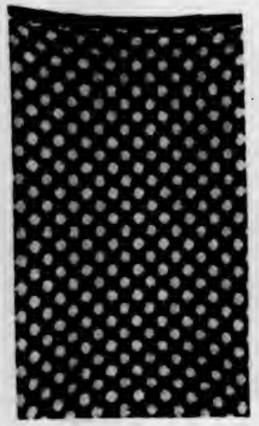
The ornamental design for a dress, substantially as shown.

117,983
DESIGN FOR A BOTTLE
George Smith, Jr., Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application April 1, 1939, Serial No. 83,977
Term of patent 14 years



The ornamental design for a bottle, as shown.

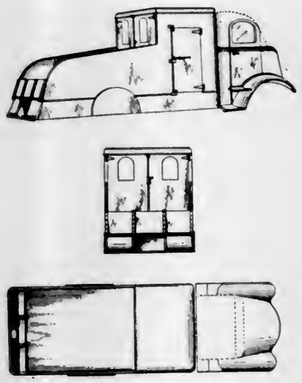
117,984
DESIGN FOR A WOVEN TEXTILE FABRIC
Abe Tillman, New York, N. Y.
Application October 19, 1939, Serial No. 87,719
Term of patent 3½ years



The ornamental design for a woven textile fabric, substantially as shown.

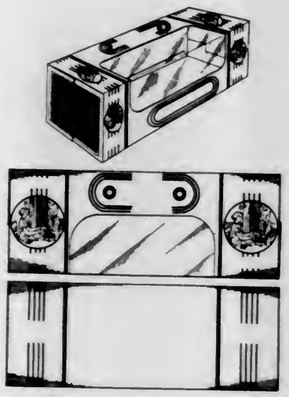
The ornamental design for a woven textile fabric, substantially as shown.

117,985
DESIGN FOR A VEHICLE BODY
Steven L. Vaccaro, Jr., New Orleans, La.; Mrs. Steven L. Vaccara, Jr., administratrix of Steven L. Vaccaro, Jr., deceased
Application November 22, 1938, Serial No. 81,288
Term of patent 7 years



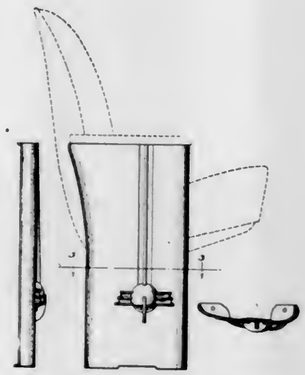
The ornamental design for a vehicle body, as shown and described.

117,986
DESIGN FOR A BOX OR SIMILAR ARTICLE
Albert S. Weiss, Cleveland, Ohio
Application October 5, 1939, Serial No. 87,520
Term of patent 7 years



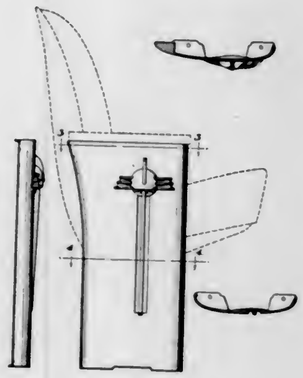
The ornamental design for a box or similar article, substantially as shown and described.

117,987
DESIGN FOR A CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application October 6, 1939, Serial No. 87,546
Term of patent 7 years



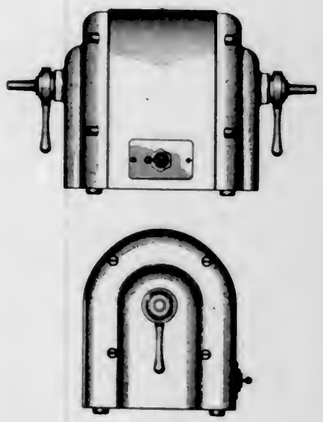
The ornamental design for a chair, as shown and described.

117,988
DESIGN FOR A CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application October 7, 1939, Serial No. 87,556
Term of patent 7 years



The ornamental design for a chair, as shown and described.

117,989
DESIGN FOR A DENTAL LATHE
Gordon K. Cameron, Rochester, N. Y., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y., a corporation of Delaware
Application August 30, 1939, Serial No. 86,966
Term of patent 14 years



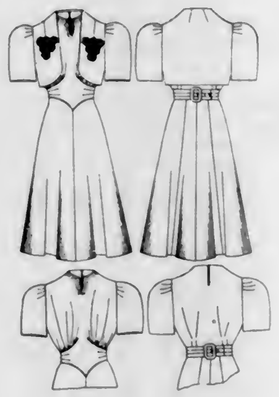
The ornamental design for a dental lathe, substantially as shown.

117,990
DESIGN FOR A DRESS
Robert Ginsburg, New York, N. Y.
Application November 7, 1939, Serial No. 88,103
Term of patent 3½ years



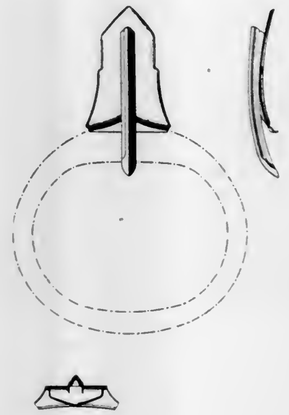
The ornamental design for a dress, substantially as shown.

117,991
DESIGN FOR A DRESS ENSEMBLE
Robert Ginsburg, New York, N. Y.
Application November 7, 1939, Serial No. 88,104
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

117,992
DESIGN FOR A LIGHT INDICATOR FOR HEADLIGHTS
William H. Johnsen, Dallas, Tex.
Application May 6, 1939, Serial No. 84,851
Term of patent 7 years



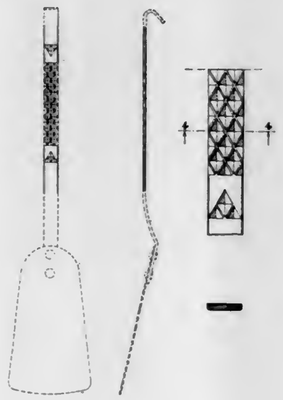
The ornamental design for a light indicator for headlights, substantially as shown and described.

117,993
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application November 10, 1939, Serial No. 88,183
Term of patent 3½ years



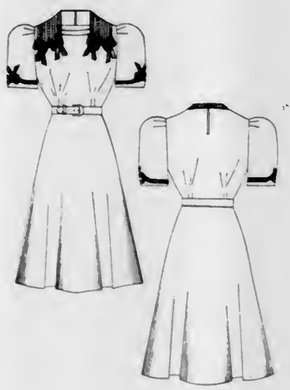
The ornamental design for a dress, substantially as shown.

117,994
DESIGN FOR A FOOD PREPARING AND SERVING IMPLEMENT OR SIMILAR ARTICLE
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application August 21, 1939, Serial No. 86,807. In Great Britain June 14, 1939. Term of patent 7 years



The ornamental design for a food preparing and serving implement or similar article, as shown and described.

117,995
DESIGN FOR A DRESS
Robert Ginsburg, New York, N. Y.
Application November 7, 1939, Serial No. 88,105
Term of patent 3½ years



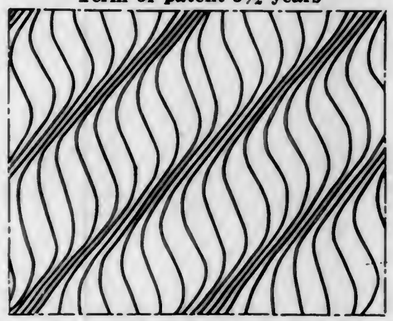
The ornamental design for a dress, substantially as shown.

117,996
DESIGN FOR A DRESS
Robert Ginsburg, New York, N. Y.
Application November 7, 1939, Serial No. 88,106
Term of patent 3½ years



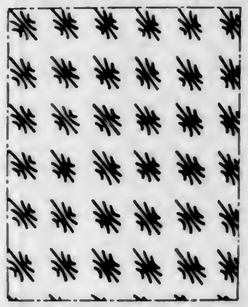
The ornamental design for a dress, substantially as shown.

117,997
DESIGN FOR A TUCKED TEXTILE FABRIC
Michael B. Kaplan, New York, N. Y.
Application November 7, 1939, Serial No. 88,098
Term of patent 3½ years



The ornamental design for a tucked textile fabric, substantially as shown.

117,998
DESIGN FOR A TUCKED TEXTILE FABRIC
Michael B. Kaplan, New York, N. Y.
Application November 7, 1939, Serial No. 88,099
Term of patent 3½ years



The ornamental design for a tucked textile fabric, substantially as shown.

117,999
DESIGN FOR A TUCKED TEXTILE FABRIC
Michael B. Kaplan, New York, N. Y.
Application November 9, 1939, Serial No. 88,137
Term of patent 3½ years



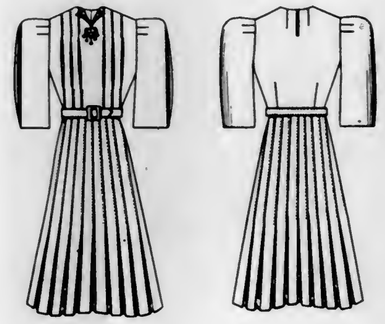
The ornamental design for a tucked textile fabric, substantially as shown.

118,000
DESIGN FOR A DRESS
Simon Mahler, New York, N. Y.
Application November 9, 1939, Serial No. 88,133
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,001
DESIGN FOR A DRESS
Simon Mahler, New York, N. Y.
Application November 9, 1939, Serial No. 88,134
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,002
DESIGN FOR A DRESS
William Skolnick, New York, N. Y.
Application November 10, 1939, Serial No. 88,188
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,003
DESIGN FOR A TEXTILE FABRIC
Samuel E. Staines, Allendale, N. J.
Application March 17, 1939, Serial No. 83,645
Term of patent 3½ years



The ornamental design for textile fabric, as shown and described.

118,004
DESIGN FOR A TEXTILE FABRIC
Abe Tillman, New York, N. Y.
Application October 19, 1939, Serial No. 87,718
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

118,005
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application November 10, 1939, Serial No. 88,184
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,006
DESIGN FOR AN ANIMAL BOOT
Bancroft W. Henderson, Montclair, N. J.
Application May 24, 1939, Serial No. 85,177
Term of patent 14 years



The ornamental design for an animal boot, as shown.

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Designs	101—No.	118,007 to No.	118,107, inclusive.
Total	1,139		

Erratum

The purported disclaimer published November 21, 1939, 508 O. G. 565, 1,973,311, George G. Going, was in error and should be disregarded.

Adjudicated Patents

(D. C. Ill.) Morris patent, No. 1,376,154, for electrical lighting device for cigars and the like, *Held* invalid. *Casco Products Corporation* v. *Sinko Tool & Manufacturing Co.*, 29 F. Supp. 583.

(D. C. Del.) Poulsen and Petersen patent, No. 1,597,819, for device for feeding acoustic films at constant speed, claims 1 and 2 *Held* invalid and not infringed. *British Acoustic Films* v. *Electrical Research Products*, 29 F. Supp. 531.

(D. C. Ill.) Hammond patent, No. 1,620,548, for lighter for cigars and the like, *Held* invalid. *Casco Products Corporation* v. *Sinko Tool & Manufacturing Co.*, 29 F. Supp. 583.

(D. C. Ill.) Bain patent, No. 1,657,189, for cigar lighter, *Held* invalid. *Id.*

(D. C. Ill.) Cohen patent, No. 1,763,343, for electrical device and the manufacture thereof, *Held* invalid. *Id.*

(D. C. Mich.) Berry patent, No. 1,877,490, for piston, claims 5, 15, 18, and 35 *Held* valid and infringed. *Berry* v. *Bohn Aluminum & Brass Corporation*, 29 F. Supp. 516.

(D. C. Ill.) Cohen patent, No. 1,944,925, for cigar lighter, *Held* invalid. *Casco Products Corporation* v. *Sinko Tool & Manufacturing Co.*, 29 F. Supp. 583.

(D. C. Del.) Poulsen patent, No. 2,006,719, for constant-speed film-feeding mechanism, claims 1, 2, and 3 *Held* invalid and not infringed. *British Acoustic Films* v. *Electrical Research Products*, 29 F. Supp. 531.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,045,048, E. B. Newill, Refrigerating apparatus, decided October 30, 1939, claims 1, 2, 5, 6, and 7.

Pat. 2,055,002, F. J. Chandler, Process of producing foraminous coated material, decided November 21, 1939, claims 1, 2, and 3.

Pat. 2,061,760, A. J. Fisher, Division molding for a windshield, decided November 24, 1939, claims 1, 7, and 8.

Pat. 2,109,752, W. J. Poch, C. C. Martinelli, and A. H. Turner, Oscillator, decided October 31, 1939, claim 1.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Nov. 15, 1939.*

Eastern Fruit Distributors, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Roy Weir, Pharr, Tex., to effect the cancellation of trade-mark registration of Eastern Fruit Distributors, Inc., 226 Wholesale Terminal Bldg., Los Angeles, Calif., No. 277,860, dated November 25, 1930, and the notice of such proceeding sent by registered mail to the said Eastern Fruit Distributors, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Eastern Fruit Distributors, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business November 25, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,585; Trade-Mark Division, 1,571. Oldest new case, Apr. 8, 1939; oldest amended, Apr. 19, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 27	July 3	609
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 26	May 6	790
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 26	Sept. 27	404
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 1	June 7	589
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 26	Aug. 23	471
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	June 10	June 5	938
5725	7. JARBOE, C. G., Optics; Photography	July 15	July 11	958
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	May 29	May 23	1156
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	June 23	June 28	714
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 27	Aug. 15	564
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 4	Aug. 2	493
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	May 19	May 22	521
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 24	June 22	733
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 20	Sept. 13	400
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 10	June 9	1385
5716	16. SPENCER, C. J., Telegraphy; Telephony	June 23	June 26	757
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 17	July 8	746
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 5	June 28	534
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 3	June 26	486
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 10	July 14	413
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 27	July 24	543
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 18	May 18	1046
7624	23. BUTTNER, W. J., Registers (part)	Apr. 8	Apr. 29	312
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 15	Apr. 28	1384
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 8	Aug. 9	607
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 29	June 26	559
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	May 6	May 6	1119
6628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	July 24	June 30	447
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 1	June 2	849
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 26	June 26	852
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 28	July 27	931
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 25	July 21	396
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 29	July 17	988
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Sept. 14	Sept. 20	246
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 11	June 22	768
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 6	June 27	654
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 20	July 3	778
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	May 10	May 10	885
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 26	July 25	631
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	May 17	May 17	1964
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	July 11	June 30	272
5882	42. CUTTING, H. O., Electric Signaling	May 8	May 2	708
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 19	July 26	598
4087 B	44. HARVEY, L. P., Refrigeration	June 28	June 26	718
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 26	July 11	544
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	June 29	June 30	746
6082	47. LOWE, E. R., Clutches; Brakes	July 25	July 25	557
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 21	July 21	483
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	May 29	May 8	1063
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	June 15	June 15	1365
5628	51. BACKUS, C. D., Radiant Energy (part)	Sept. 6	Sept. 6	675
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 26	July 29	681
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 30	July 28	323
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Aug. 17	Aug. 12	305
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 26	June 6	505
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 31	May 27	1263
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	July 5	July 21	478
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	June 8	Aug. 18	407
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	June 28	July 6	824
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 22	July 22	417
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 27	June 29	630
5621	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 7	Sept. 9	431
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 2	June 2	998
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Aug. 11	Aug. 10	748
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 13	May 3	547
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Oct. 20	Nov. 8	1477
	{Labels and Prints	Nov. 10	Nov. 10	94
2605	Designs: H. H. KALUPY	Oct. 25	Nov. 1	687

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE BLAGDEN

Decided November 8, 1939

APPLICATION—MUST BE EXECUTED BY THE INVENTOR IF HE IS LIVING.

On petition that application papers, executed on behalf of the inventor by his wife as attorney, be given a serial number and date as of their date of filing, in accordance with the practice inaugurated in 1914 on account of the war conditions then existing in Europe, *Held* that "This practice of giving a filing date on the basis of papers executed by an attorney was discontinued, by order of the Commissioner, on June 15, 1920 (274 O. G. 619). In accordance with the present statutes the application papers must be executed by the inventor if he is living. * * * It has been the invariable practice of the Patent Office, since June 15, 1920, to refuse to accord a filing date on the basis of papers executed by an attorney, and it is not thought that an exception should be made in the present case."

ON PETITION. Denied.

Messrs. Norris and Bateman for William Martin Blagden.

MACKLIN, *First Assistant Commissioner:*

The petitioner has filed application papers executed on behalf of the inventor by his wife as attorney and asks that they be given a serial number and date as of their date of filing, in accordance with the practice inaugurated in 1914 on account of the war conditions then existing in Europe. This practice of giving a filing date on the basis of papers executed by an attorney was discontinued, by order of the Commissioner, on June 15, 1920 (274 O. G. 619).

In accordance with the present statutes the application papers must be executed by the inventor if he is living. The present petition, therefore could be granted only on the assumption that, at some future time, retroactive statutory provision may be made for the acceptance of application papers executed by an attorney. Such a provision was made by an act of Congress in 1921, as to applications filed between August 1, 1914, and June 15, 1920, but was expressly limited to this period.

Since the date last mentioned it must be assumed that many inventors have been unable to execute application papers in person because of circumstances beyond their control, both of public and private nature, and because of national emergencies, and of wars whether declared or undeclared. Doubtless, also, many more inventors have been unable and will be unable in the future, for similar reasons, to have their applications executed even by attorneys.

It has been the invariable practice of the Patent Office, since June 15, 1920, to refuse to accord a filing date on the basis of papers executed by an attorney, and it is not thought that an exception should be made in the present case.

It may be considered improper to grant to citizens of a particular country involved in war a privilege which for years past has been consistently withheld from citizens of other countries similarly involved, and which has been denied to citizens of the United States who may have been in urgent need of such a privilege because of individual circumstances. Further, it is not thought that citizens who, because of a state of war, cannot personally execute applications but can have them executed by attorneys, should be favored over those who, by reason of the same war conditions cannot do either.

It is the province of Congress to decide what persons shall be competent to execute patent applications, and the Commissioner is without discretion in this matter. Accordingly it is thought that matters involving this question should be treated on the basis of the statutes as they stand, rather than attempt to anticipate the enactment of possible future legislation.

The petition is denied.

U. S. Court of Customs and Patent Appeals

BAINBRIDGE *v.* WALTON

No. 4,141. Decided June 26, 1939

[104 F.(2d) 808]

INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* that although the junior party B proved a date of conception of the invention prior to any date to which the senior party W, who took no testimony, was entitled, the junior party B failed to establish reduction to practice prior to his filing date and failed to show diligence at and immediately prior to the time W entered the field and thereafter until B filed his application, and *Held* that priority was properly awarded to W.

APPEAL from Patent Office. Affirmed.

Mr. Harry E. Dunham, Mr. Harry G. Grover and *Mr. Samuel B. Smith* for Bainbridge.

Messrs. Cushman, Darby & Cushman (*Mr. Arlon V. Cushman* and *Mr. Rodger D. Gessford* of counsel) for Walton.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the five counts in issue to appellee, George William Walton.

The invention relates to photo-electric tubes, and, for the purpose of this decision, is sufficiently described in the counts in issue, of which count 1 is illustrative. It reads:

1. A photo-electric cell arrangement comprising a photo-electric cathode, a source of electrons, an anode and means for applying to said cathode, said source and said anode potentials of such magnitude that the path between said cathode and said anode has a negative resistance.

The interference is between appellant's application No. 389,066, filed August 28, 1929, and appellee's application No. 427,880, filed February 12, 1930.

It is conceded by appellant that appellee is the senior party by virtue of his application (No. 4,965) filed in Great Britain February 14, 1929.

The counts in issue originated in appellee's involved application.

Appellant being the junior party, the burden was upon him to establish priority of invention by a preponderance of the evidence.

Appellee submitted no evidence, and relies upon the filing date of his British application (February 14, 1929) for conception and constructive reduction of the invention to practice.

Appellant introduced evidence for the purpose of establishing conception of the invention in June 1927, successful reduction to practice in September 1928, and diligence during the critical period at and immediately prior to the time appellee entered the field (February 14, 1929) and thereafter until appellant filed his application, August 28, 1929.

With the exception of evidence pertaining to certain tests made in July 1935 immediately prior to the submission of appellant's evidence, which will be hereinafter discussed, the Examiner of Interferences, in his decision, reviewed and carefully analyzed the evidence submitted by appellant, and held that appellant was entitled to a date as early as June 10, 1927 for conception of the invention; that the evidence was insufficient to establish that appellant reduced the invention to practice prior to his filing date (August 28, 1929); and that it also failed to establish that appellant was diligent in reducing the invention to practice at and immediately prior to the time appellee entered the field (February 14, 1929), and thereafter until June 25, 1929.

Although it did not expressly so state in its decision, the Board of Appeals evidently concurred in the decision of the Examiner of Interferences that appellant conceived the invention as early as June 10, 1927, and held, one member dissenting, that appellant had failed to establish either an actual reduction to practice or diligence during the critical period, and, accordingly, affirmed the decision of the Examiner of Interferences awarding priority of invention to appellee.

Due to the fact that the Examiner of Interferences has carefully analyzed the evidence submitted by appellant, except as hereinbefore noted, we deem it unnecessary to review all of it here.

Appellant has clearly established that he conceived the invention on or about June 10, 1927. Relative to his claimed reduction to practice, appellant testified that he tested two tubes conforming to the counts in issue in September 1928 in the research laboratory of the General Electric Company at Schenectady, New York, and that those tubes operated successfully. The tubes were introduced in evidence as Exhibits E and L, and bear the Nos. 19,569 and 19,683, respectively, which were fused into the glass envelopes of the tubes.

William A. Ruggles, one of appellant's witnesses, testified that he was supervisor of vacuum tube work in the research laboratory of the General Electric Company at Schenectady, New York; that, in conformity with appellant's request, he made six tubes, among which were Exhibits E and L; that Exhibit E was made on August 29, 1928, and Exhibit L was made on September 24, 1928; that the tubes were delivered to appellant on or about those dates; that at the time the tubes were delivered to appellant they were not in complete form, in that the plates were not sensitized and the tubes "were not exhausted."

Appellant testified that the tubes were not in complete form when he received them, and that he "evacuated the tube and made the two plate electrodes photo-sensitive, and sealed the tube off from the evacuating system."

Appellant identified his Exhibit G, which consists of seventeen pages of data, which data appellant said he obtained from the tests claimed to have been made by him during the month of September 1928.

It further appears from the record that the tests allegedly made by appellant were not witnessed by anyone, although the witness Dr. Saul Dushman, appellant's immediate superior, under whom appellant was working during the summer and fall of 1928, testified that he knew in a general way the work being done by appellant, and that, although he had no recollection of appellant showing him the test data (Exhibit G) at the time it was prepared or immediately thereafter, he had no reason to doubt that appellant had shown it to him at about that time.

It appears from the record that subsequent to the making of the alleged tests in September 1928, appellant prepared a written report (Exhibit I), referred to in the record as appellant's "Summer Report", which includes the test data contained in Exhibit G, a part of which "was put in graph form." The report was signed by appellant, and his signature was witnessed by Miss B. A. Becker and the witness Lewis R. Koller, on January 3, 1929.

Counsel for appellant, evidently realizing that the evidence in their possession relative to the activities of appellant during August and September 1928 was not sufficient to establish an actual reduction to practice, had the tube No. 19,569 (Exhibit E) tested on July 2, 1935. Those tests were made by appellant and his witness Dr. Lewis R. Koller, a physicist, employed by the General Electric Company, whose duties consisted of research work in photo-electric and thermionic devices in the research laboratory of that company.

Dr. Koller testified that, on July 2, 1935, he and appellant made tests on tube No. 19,569 (Exhibit E); that they—

"attempted to duplicate the conditions as they were described in Bainbridge's report [Exhibit I] and • • • [that they] obtained excellent experimental agreement with the curves shown in"

that report. The witness stated that that tube was found by him—

"stored in the cabinet with a group of tubes [presumably] made by Bainbridge",

and that it had been in the possession of his (Koller's) department since the fall of 1928.

Relative to the evidence relied upon by appellant to establish actual reduction to practice by him in September 1928, the Board of Appeals stated, inter alia:

> While Dr. Dushman, under whom Bainbridge was working, and Dr. Koller, his associate, have testified that they knew Bainbridge was engaged in testing out tubes of the character specified, yet they were unable to testify that they actually witnessed the tests made, and therefore we must hold that Bainbridge's testimony as to reduction to practice in connection with work done in 1928 as covered by the Summer Report, is not corroborated. Appellant contends that since Dr. Koller tested out in 1935, the tube used by Bainbridge in 1928 and got the same results as Bainbridge, then Bainbridge's Summer Report must be accepted as evidence of successful reduction to practice. It is conceded that this argument is a plausible one and it is very improbable that Bainbridge could have plotted the curve shown in the Summer Report unless it was based on actual tests and the tests, Exhibit N, conducted by Doctor Koller at the time of taking testimony, tend to strengthen this assumption.
>
> However, it has been the long established practice of this Office to require that an inventor's testimony as to successful reduction to practice be positively corroborated before it will be accepted as such. (See *Kitchen* v. *Smith*, 1913 C. D. 336, 39 D. C. App. 500, and *Dunbar* v. *Schellenger*, 1906 C. D. 428. Appellant argues that it is extremely unlikely that Bainbridge could have theoretically conceived of the co-ordinates from which he plotted his curve given in his Summer Report and that he must necessarily have actually made the tests, and that this Summer Report should therefore be accepted as full corroboration of his tests. At best, appellant is asking us to accept circumstantial evidence in lieu of the direct positive testimony called for by the long established practice. We do not believe that we would be warranted in doing so. The matter of actual reduction to practice is of such vital importance that we cannot afford to accept conjectures or possibilities, however plausible, in lieu of the direct positive proofs previously required.

In his dissenting opinion, Examiner-in-Chief W. L. Thurber said:

> It is incredible to me that the party Bainbridge could have prepared the first set of charts, with substantially the same curves as those of the second set, if he did not test the tube. I know of no hard and fast rule that circumstantial evidence cannot be relied upon for corroboration in an interference proceeding.
>
> If evidence of this character can be accepted as proof sufficient to justify a death sentence, I can see no reason why it cannot be relied upon in cases of this nature. In this case I believe that the evidence offered is much more persuasive than direct testimony of the character usually presented.
>
> I believe this to be an unusual situation and I think that the later tests should have been accepted as corroborating the party Bainbridge's earlier record.

It is contended here by counsel for appellant that appellant could not have prepared his Exhibits G and I in the absence of the tests claimed to have been made by him in 1928; that it was impossible for appellant to have—

"recorded his data; plotted the results of that data into curves; and then prepared reports, without the work and the results actually having been seen and checked by his supervisor [the witness Dr. Dushman] directly in charge of the work whose office was located in an adjoining room";

that appellant's "Summer Report" (Exhibit I)—

"could not have been prepared unless Bainbridge, with the possible, and in fact probable, assistance of others, had tested and operated successfully the photo-electric cell apparatus upon which the report furnishes data";

that appellant's testimony relative to the tests alleged by him to have been performed in September 1928 has been corroborated—

"both by fact and circumstances";

that the tests of Exhibit E (tube No. 19,569) in *July 1935*—

"corroborates, by circumstance, operation of Exhibit E [tube No. 19,569] *in 1928* as reported in detail by Exhibit I [appellant's 'Summer Report']" (italics ours);

that, therefore, appellant is entitled to be awarded a date as early as September 1928 for actual reduction of the invention to practice; and that as he has established that he conceived the invention and reduced it to practice prior to the filing of appellee's application in Great Britain, February 14, 1929, appellant is entitled to an award of priority.

It is further contended by counsel for appellant that even though it should be held that appellant has failed to establish that he actually reduced the invention to practice during September 1928, appellant has clearly established that he was diligent in reducing the invention to practice at and immediately prior to the time appellee entered the field (February 14, 1929), and thereafter until appellant filed his application—August 28, 1929.

Relative to the contention of counsel for appellant that appellant could not have prepared the data disclosed in Exhibit G unless he,

"with the possible, and in fact probable, assistance of others, had tested and operated successfully the photo-electric cell apparatus upon which the report [Exhibit I] furnishes data" (italics ours),

it is sufficient to say that appellant does not claim to have had any assistance either in making the alleged tests or in preparing the data disclosed in Exhibit G, nor is there any evidence of record that he was given any assistance either by Dr. Dushman or anyone else in making tests or in preparing the data disclosed in Exhibit G. Furthermore, although it is argued by counsel for appellant at considerable length in their brief that the data disclosed in Exhibit G could not have been prepared by appellant in the absence of successful tests of the tubes (Exhibits E and L), there is no evidence of record to substantiate that argument.

Relative to the arguments of counsel for appellant that the witness Dr. Dushman, appellant's immediate superior, must have known in September 1928 of the results obtained by appellant's tests made during that month and that appellant could not have—

"recorded his data; plotted the results of that data into curves; and then prepared reports, *without the work and the results actually having been seen and checked by*"

Dr. Dushman (italics ours), it may be said that Dr. Dushman does not claim to have seen the tests allegedly performed by appellant, nor does appellant claim that Dr. Dushman saw such tests. Furthermore, Dr. Dushman was unable to testify that he had seen the test data either at the time it was prepared by appellant or immediately thereafter. But even had he testified that he saw the test data immediately after it was prepared and that he was satisfied therewith, such evidence would have been insufficient to corroborate appellant's testimony that the data was obtained from actual tests made by appellant. *Collins* v. *Olsen*, 26 C. C. P. A. (Patents) —, 102 F.(2d) 828, 831, 503 O. G. 1180 (decided March 6, 1939).

The question presented, therefore, is whether the evidence of the tests made in July 1935 of tube No. 19,569 (Exhibit E) by appellant and the witness Koller may be considered as corroborative of appellant's testimony that he actually tested that tube in September 1928 and obtained from such tests the data disclosed in Exhibits G and I.

Without intending to be understood as expressing any opinion as to whether such evidence could under any circumstances be considered corroborative in character, it is clear that it cannot be so considered here.

In addition to the other infirmities of appellant's evidence, hereinbefore mentioned and which need not be repeated, there is no evidence, except that of appellant, to establish that appellant actually completed either of the tubes (Exhibits E and L) subsequent to their having been turned over to him in incomplete condition by the witness Ruggles. It does not appear from the evidence that anyone other than appellant saw those tubes in completed form in 1928, or at any time thereafter prior to the spring or summer of 1935, shortly before the July tests, here relied upon, were made by appellant and Dr. Koller. How, then, can it be successfully maintained that the testing of tube No. 19,569 (Exhibit E) in July 1935 corroborates appellant's otherwise uncorroborated testimony that he actually tested that tube in September 1928, when it has not been established by proper evidence that the tube was ever in existence in its completed form prior to the spring or summer of 1935?

We do not mean to be understood as suggesting that appellant did not successfully reduce the invention to practice in 1928. We merely hold that the evidence of record is insufficient to establish that he did.

It is contended finally by counsel for appellant, as hereinbefore noted, that, should it be held that appellant has failed to establish that he actually reduced the invention to practice in September 1928, the evidence submitted is sufficient to establish diligence by him at and immediately prior to the time appellee entered the field (February 14, 1929), and thereafter until appellant filed his involved application (August 28, 1929).

We deem it unnecessary to detail here the evidence submitted by appellant relative to that issue, as it has been fully set forth and analyzed in the decision of the Examiner of Interferences. It is sufficient to say that we have given the evidence careful consideration and are of opinion that appellant has failed to establish diligence in reducing the invention to practice at or immediately prior to the time appellee filed his application in Great Britain (February 14, 1929), and thereafter until June 25, 1929, and that the tribunals of the Patent Office were clearly right in awarding priority of invention to appellee.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HERTHEL

No. 4,173. Decided June 26, 1939

[104 F.(2d) 824]

PATENTABILITY—PROCESS OF CRACKING PETROLEUM OIL. Certain claims for a process of cracking petroleum oil *Held* improperly rejected on the ground of aggregation.

APPEAL from Patent Office. Reversed.

GARRETT, *P. J.*, and BLAND, *J.*, dissenting.

Messrs. Pennie, Davis, Marvin and Edmonds (*Mr. Raymond F. Adams, Mr. Louis D. Forward* and *Mr. Clarence M. Fisher* of counsel) for Herthel.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting claims numbered 1 to 4, inclusive, of appellant's application for patent as aggregative.

Originally there were five claims involved, all of which were rejected as aggregative and also upon the ground that they lacked patentability over certain patents cited by the Examiner. The Board of Appeals reversed the Examiner with respect to claim 5, holding that it was not aggregative, and as to all of the claims it disagreed with the Examiner in his holding that they lacked patentability over the cited prior art. It affirmed the Examiner, however, as above stated, as to the claims here involved being aggregative, and that is the only issue before us upon this appeal.

Claim 1 is illustrative of the claims before us and reads as follows:

1. In the manufacture of motor fuel gasoline, the improvement which comprises heating a stream of higher boiling petroleum oil to a moderate cracking temperature under a substantial superatmospheric pressure and subjecting said higher boiling oil to said moderate cracking temperature for a period of time sufficient to effect moderate cracking of said higher boiling oil, separating the composite hot oil products of this heating operation into a vapor stream and a liquid stream and separately heating each of said separated streams to high cracking temperatures under maintained superatmospheric pressure, reducing the pressure on the composite hot oil products of each of these heating operations and simultaneously cooling them to temperatures at which substantial cracking ceases, separating the expanded and cooled products into tar fractions and vapor fractions and recovering gasoline fractions from these vapor fractions.

The alleged invention is concisely described by the Board of Appeals in its decision as follows:

The disclosure relates to a process of heating higher boiling petroleum oil to a moderate cracking temperature under substantial pressure, separating the oil products from this step into a vapor stream and a liquid stream and separately heating the vapor stream and the liquid stream to high cracking temperatures under maintained superatmospheric pressure. After being subjected to these high cracking temperatures and pressures, the pressure on each of these products is reduced and the product simultaneously cooled to temperatures at which substantial cracking ceases. The cooled products from these two cracking steps are then separated into tar fractions and vapor fractions and gasoline fractions are recovered from the vapor fractions.

It was held by the Patent Office tribunals that the claims were aggregative because there is no coaction between the secondary vapor cracking step and the residue cracking step. This appellant concedes, but he claims that the first cracking reaction which occurs in the primary coil is an important factor in determining the chemical composition of the vapor fraction which passes into one heating coil and the chemical composition of the liquid fraction which passes into another coil; that the temperature and pressure prevailing in the primary separator determine the boiling range of the vapor fraction and also of the liquid fraction; that the final gasoline products resulting from the vapor cracking step and the residue cracking step are produced from the initial charging stock which enters the primary cracking zone; that the gasoline finally produced is directly effected by the chemical reaction which occurs in the primary cracking zone and the further chemical reaction which occurs in the secondary cracking zones; that the entire process is a single invention, and that to eliminate one of the secondary cracking zones from the claims would result in a failure to describe and claim the invention which appellant has made, and that only by combining the two secondary cracking steps in the claims would appellant's invention have any utility.

We are clear that there is coaction between the primary cracking step and the secondary vapor cracking step, and coaction between the primary cracking step and the secondary residue cracking step, but there is no coaction between the two said secondary cracking steps, although both are necessary to accomplish the object of the invention, viz., to secure a larger quantity of gasoline from high boiling petroleum oil than had been possible by the teachings of the prior art.

Therefore the question before us for determination is, does the failure of two elements of the claims to coact with each other render the claims aggregative.

Before directly passing upon this question we think it important to determine whether upon the record before us, in view of the decision of the Board, we must assume that the appealed claims involve invention, assuming for the moment that they are not aggregative. As hereinbefore stated, the Examiner rejected the claims upon two grounds, viz., aggregation and lack of patentability over the cited prior art, but the Board of Appeals did not agree with the latter ground of rejection. After discussing in detail two of the references, the patents to Gard et al. and to Mekler, the Board stated:

It is considered that these two patents do not disclose applicant's process as claimed and do not furnish even in combination with the subsidiary patents an anticipation of the processes claimed, * * *.

We construe this language of the Board as holding, in effect, that each of the involved claims would be patentable over the references were it not for the fact that they are subject, in the Board's opinion, to the rule of aggregation, and for that reason alone they are not allowable. It will be noted that the language quoted is sufficiently broad to cover all of the references cited by the Examiner.

Seven patents were cited by the Examiner against the involved claims, but only four are contained in the record before us, evidently upon the theory that the question of patentability over the references was not involved in this appeal. It is interesting to note, in passing, that the claims of each of the four patents found in the record are as much subject to the charge of aggregation as are the involved claims. This is important, however, only as tending to show that where invention is present the rule of aggregation is not applied by the Patent Office.

The Solicitor for the Patent Office contends in his brief that there has been no holding by the Board that any of the appealed claims involves invention. While this is literally true, it is only because the Board sustained their rejection by the Examiner upon the ground of aggregation. We think it very clear from the Board's decision that each of the involved claims would have been found allowable if not subject to the rule of aggregation.

This brings us to the consideration of the question of whether the involved claims should be held to be aggregative.

As was said by us in the case of *In re Hueber & Horton*, 21 C. C. P. A. (Patents) 1112, 70 F.(2d) 906, 447 O. G. 496,

"The distinction between a patentable combination and an aggregation has been the subject of much discussion by the courts, and is oftentimes a troublesome question."

In the leading case of *Reckendorfer* v. *Faber*, 92 U. S. 347, 9 O. G. 71, involving the patentability of a lead pencil having a piece of rubber attached to one end thereof, the court said:

The combination, to be patentable, must produce a different force or effect, or result in the combined forces or processes, from that given by their separate parts. There must be a new result produced by their union; if not so, it is only an aggregation of separate elements. * * *

In the case at bar it seems clear to us that the combination of elements set forth in the claims produces a result different from that produced by their separate elements.

In the case of *Loom Company* v. *Higgins*, 105 U. S. 580, 21 O. G. 2031, the court said:

It is further argued, however, that, supposing the devices to be sufficiently described, they do not show any invention; and that the combination set forth in the fifth claim is a mere aggregation of old devices, already well known; and therefore it is not patentable. This argument would be sound if the combination claimed by Webster was an obvious one for attaining the advantages proposed,—one which would occur to any mechanic skilled in the art. But it is plain from the evidence, and from the very fact that it was not sooner adopted and used, that it did not, for years, occur in this light to even the most skilful persons. It may have been under their very eyes, they may almost be said to have stumbled over it; but they certainly failed to see it, to estimate its value, and to bring it into notice. Who *was* the first to see it, to understand its value, to give it shape and form, to bring it into notice and urge its adoption, is a question to which we shall shortly give our attention. At this point we are constrained to say that we cannot yield our assent to the argument, that the combination of the different parts or elements for attaining the object in view was so obvious as to merit no title to invention. Now that it has succeeded, it may seem very plain to any one that he could have done it as well. This is often the case with inventions of the greatest merit. *It may be laid down as a general rule, though perhaps not an invariable one, that if a new combination and arrangement of known elements produce a new and beneficial result, never attained before, it is evidence of invention.* * * * [Last italics supplied.]

The case of *Sachs et al.* v. *Hartford Electric Supply Co.*, 47 F.(2d) 743, 8 P. Q. 302 and 329, decided by the Circuit Court of Appeals, Second Circuit, involved the patentability of certain devices for housing electrical switches. In the opinion by L. Hand, Circuit Judge, it was stated:

We have not dealt with the defendant's argument that the first patent is for an "aggregation." Frankly, we are unable to attach a definite meaning to that word. The notion that the parts of an invention must co-operate is certainly very persisting in the patent law, and it must correspond to some underlying idea. So far as it means that the whole complex claimed must be a unit in use, each part of which shall be necessary to the common result, we can understand it. So far as it rests upon an implied reference to mechanics, that is, that each part must give or take a strain, it seems to us a false lead.

> The test is more practical than that, because inventions are to answer human needs, and the elements may be mechanically inert. The co-operation of the means necessary to create an invention is to be measured by the purpose to be fulfilled, not by the interaction of the parts. Each factor must indeed be a condition to that result, but the whole may be a mere assemblage; the co-operation between them all may be no more than their necessary presence in a unit which shall answer a single purpose. Therefore, we can find little advantage in a discussion of what is or what is not an "aggregation." • • •

See also *Burdett-Rowntree Mfg. Co.* v. *Standard Plunger Elevator Co.*, 196 Fed. 43; *Ex parte Hutchinson*, 33 U. S. P. Q. 518 (a decision of the Board of Appeals of the Patent Office).

It is our opinion that each of the involved claims constitutes more than an aggregation of elements; that is, there is coaction between several of the elements of each of the claims, and the mere fact that the two secondary cracking steps do not coact with each other, although contributing to the unitary result, does not warrant a holding that the claims are aggregative.

It seems to us that appellant's process as claimed must, on the record before us, be presumed to have advanced the art of production of gasoline from high boiling petroleum oil, and in view of the holding of the Board of Appeals (as we construe it) that the claims would be allowable if not aggregative, we do not think that appellant should be deprived of a patent upon the mere fact that the two secondary cracking steps do not coact with each other. They do each coact with the primary cracking step, and we think that this is sufficient to prevent a holding that the claims are aggregative.

It is our opinion that every element found in each of the claims is necessary to describe appellant's complete invention.

For the reasons stated herein, the decision of the Board of Appeals is reversed, in so far as the claims before us are concerned.

Reversed.

GARRETT, *P. J.*, and BLAND, *J.*, dissent.

BLAND, *J.*, dissenting:

The majority in effect holds that we must assume that the counts at bar involve invention, and that the decision of the Board is to that effect. I think we must assume that the Board, agreeable to the express finding of the Examiner, found that there was no invention, and for reasons presently stated I am not willing to reverse the decision of the Board.

I find the following in the majority opinion:

> • • • It is interesting to note, in passing, that the claims of each of the four patents found in the record are as much subject to the charge of aggregation as are the involved claims. *This is important, however, only as tending to show that where invention is present the rule of aggregation is not applied by the Patent Office.* [Italics mine.]

As I read the italicized portion of this statement, it is to the effect that where the Patent Office finds invention it does not find aggregation and vice versa. Since it has found aggregation, it follows that it also found that there was no invention. I think it is unfortunate that the Board did not more definitely point out that to assemble or put together two methods, neither one of which, if standing alone, was inventive and which did not coact with each other, did not amount to invention. The better rejection in cases like this is that there was lack of invention and, after all, the reason aggregative claims are not allowed is because it does not require invention to aggregate or assemble things which in the assembly do not coact together to perform an unexpected or new result.

The majority says "the combination of elements set forth in the claims produces a result different from that produced by their separate elements." Any aggregation will produce results of the same character, that is to say, by assembling a bread cutter and a bread wrapper, unquestionably more bread can be cut and wrapped than if separate machines were employed. But, it does not follow that the skilled mechanic who assembled them invented anything in doing so. He merely took advantage of what was already known and as a mechanic put the two machines together. With a lead pencil with a rubber on it one could do more writing and erasing than he could with a separate pencil and a separate rubber, but the soundness of the holding of the Supreme Court that putting the rubber on the pencil did not amount to invention has ceased to be questioned.

Granting for the sake of argument that appellant by the combination of two methods, neither of which is inventive, can produce more gasoline with one apparatus in a given length of time, I think the results which flow therefrom do not necessarily suggest invention. Moreover, it is my view that it is very dangerous in an opinion of this character to attempt to lay down a hard and fast definition of what is not an aggregation when applied to patent claims. It is rarely that courts attempt to do anything more than to say what an aggregation is. The Circuit Court of Appeals in *Sachs et al.* v. *Hartford Electric Supply Co.*, 47 F.(2d) 743, 8 P. Q. 302 and 329, stated that it was unable to attach a definite meaning to the word "aggregation."

I quote the following language from the majority opinion in the instant case:

> It is our opinion that each of the involved claims constitutes more than an aggregation of elements; that is, *there is coaction between several of the elements of each of the claims*, and the mere fact that the two secondary cracking stops do not coact with each other, although contributing to the unitary result, does not warrant a holding that the claims are aggregative. [Italics mine.]

Is it safe to say in effect that the claims do not define an aggregation if "there is coaction between *several* of the elements of each of the claims?" [Italics mine.] See *Pickering* v. *McCullough*, 104 U. S. 310, 318, 21 O. G. 73. The claim might be a combination claim in which novelty rested solely in the fact that two separate machines each performing its old function were put together and each of them described in such manner as to indicate coaction between various elements of one of the machines, and yet have no coaction with the elements of the other machine, and yet that character of structure would respond to the language "there is coaction between several of the elements of each of the claims."

While the two systems have a common primary cracking zone, it is not contended anywhere that if the two systems were divided each would be patentable. It is only in the combination of the two systems that appellant claims to have disclosed an invention. Moreover, it is my view that in the instant case, since the appellant relies upon his combination to constitute the invention disclosed it would make no difference if each of the processes were separately patentable. He might be entitled to patent on each of two separate processes but not on the combination of two processes under such circumstances as are at bar.

The mere fact that the Board found that the cited prior art did not anticipate the process claimed either singly or in combination does not require a holding that for this reason the claims are patentable. More precisely the question is—in view of the prior art, was it inventive to do what appellant has done?

I think the decision of the Board should be affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,371,004. (See Re. 19,282.)

1,400,367, H. P. McCann, Furnace and method of conveying materials therethrough; 1,897,911, McCann & Baker, Heat treating furnace, filed May 17, 1939, D. C., E. D. Ky. (Covington), Doc. 11, *The Foundry Equipment Co.* v. *The Newport Rolling Mill Co.*

1,456,028, K. F. Marx, Machine for turning crank pins on crank shafts; 1,906,577, W. F. Groene, Steady rest for crank shaft lathes; 1,921,919, same, Orbital lathe; 1,934,530, same, Machine tool; Re. 18,662, Groene & Siekmann, same; 1,993,994, same, Orbital lathe, D. C., E. D. Mich. (Detroit), Doc. 8350, *The R. K. Le Blond Machine Tool Co.* v. *Crankshaft Machine Co.* Dismissed Sept. 13, 1939.

1,680,818, H. Steenbock, Antirachitic product and process; 1,871,136, same, Antirachitic product essence and process; 2,057,399, same, Antirachitic product and process, filed Sept. 15, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 565–M, *Wisconsin Alumni Foundation* v. *Vitamin Technologists, Inc.*

1,700,246. (See 1,866,072.) 1,700,255. (See 1,866,072.)

1,700,257. (See 1,866,072.)

1,712,789, J. F. Donnelly, Process for the conversion of hydrocarbon oils, D. C. Del., Doc. E 1227, *Donnelly Process Corp.* v. *Hurricane Petroleum Corp.* Dismissed July 28, 1939.

1,718,929, Smith & Julien, Weather strip, D. C., N. D. Ohio, E. Div., Doc. E 5394, *Chamberlain Metal Weather Strip Co.* v. *E. D. Barringer (Barland Weatherstrip Material Co.)*. Patent held valid and infringed Aug. 9, 1939.

1,758,146, W. N. Cross, Domestic heating system, C. C. A., 8th Cir., Doc. 11239, *E. O. Smith* v. *Mid-Continent Investment Co.* Decree affirmed Sept. 12, 1939.

1,772,824, H. Anderson, Bag closing machine; 1,984,049, 2,083,417, same, Bag closing and sealing machine, filed Sept. 1, 1939, D. C. Del., Doc. 66, *Consolidated Packaging Machinery Corp.* v. *General Mills, Inc.*

1,786,931, C. J. Ashley, Automatic draft regulator; 2,170,728, C. D. Montague, same, filed Sept. 5, 1939, D. C., W. D. Va. (Lynchburg), Doc. 18, *Automatic Draft & Stove Co., Inc.*, v. *Bailey Spencer Hardware Co., Inc.*

1,858,225, L. T. Frederick, Machine for forming commutator rings; 1,872,269, same, Composite article and method of making same, D. C., N. D. Ohio, E. Div., Doc. E 5446, *Continental-Diamond Fibre Co.* v. *C. H. Graeff (The Cleveland Mica Co.)*. Patents held valid and infringed Aug. 23, 1939.

1,866,072, 1,928,042, A. Woelm, Magazine lead pencil; 1,700,246, same, Step-by-step lead pencil; 1,700,255, E. D. Feldman, same; 1,700,257, same, Magazine lead pencil, appeal filed Sept. 15, 1939, C. C. A., 2d Cir., Doc. 16807, *Penmac Corp.* v. *The Esterbrook Steel Pen Mfg. Co.*

1,871,136. (See 1,680,818.) 1,872,269. (See 1,858,225.)

1,896,734, H. W. Tullgren, Apartment house, D. C., E. D. Mich., S. Div., Doc. 8352, *H. W. Tullgren* v. *J. B. Terns et al.* Dismissed Sept. 12, 1939.

1,897,911. (See 1,400,367.) 1,906,577. (See 1,456,028.)

1,917,261, P. E. Hawkinson, Method of retreading tire casings; 1,917,262, same, Apparatus for retreading tire casings; 2,034,618, same, Tire retreading apparatus, D. C., E. D. Pa., Doc. 10127, *P. E. Hawkinson Co. et al.* v. *S. Carnell et al.* Dismissed Sept. 18, 1939.

1,917,262. (See 1,917,261.) 1,921,919. (See 1,456,028.)

1,928,042. (See 1,866,072.)

1,933,475, R. R. Fishback, Stove for curing tobacco, filed Sept. 1, 1939, D. C., E. D. Ky. (Lexington), Doc. 75, *R. R. Fishback* v. *G. McCauley Seed Co.*

1,934,530. (See 1,456,028.)

1,934,976. (See Re. 19,905.)

1,956,600, W. I. Taylor, Manufacture of textile fabrics; 1,959,142, Taylor & Fulton, Manufacture of yarn; 2,077,441, same, Textile yarn, filed Aug. 15, 1939, D. C. Del., Doc. 64, *Celanese Corp. of America* v. *Tubize Chatillon Corp.*

1,959,142. (See 1,956,600.)

1,971,560, G. J. Guyon, Candy and holder therefor, D. C., N. D. Ohio, E. Div., Doc. E 5706, *Parker-Meyer-Dennis Co.* v. *The H. E. Davis Co.* Claims 5, 6, and 7 held not infringed, dismissed Sept. 12, 1939.

1,984,049. (See 1,772,824.) 1,993,994. (See 1,456,028.)

2,004,760. (See Re. 20,115.)

2,007,078, L. L. Crabtree, Pile fabric, filed Sept. 11, 1939, D. C., S. D. N. Y., Doc. 5/303, *The Saltex Looms, Inc., et al.* v. *Collins & Aikman Corp.*

2,009,199, M. W. Pehotsky, Battery bracket, D. C., N. D. Ohio, E. Div., Doc. E 5554, *M. W. Pehotsky* v. *The Ford Motor Co.* Dismissed Sept. 6, 1939.

2,010,861, H. V. James, Vulcanizing device; 2,112,440, same, Tire vulcanizer, filed Sept. 14, 1939, D. C., E. D. Mo. (St. Louis), Doc. 307, *O. K. Rubber Welding System et al.* v. *C. W. Cash.* Same, filed April 17, 1939, D. C., N. D. Tex. (Wichita Falls), Doc. 20, *O. K. Rubber Welding System et al.* v. *J. B. Harlin.* Defendant enjoined Sept. 1, 1939.

2,012,346, J. P. Meehan, License plate and sign, filed Sept. 13, 1939, D. C., S. D. Ill., N. Div., Doc. 57–P, *J. P. Meehan* v. *Hemp & Co. of Illinois.*

2,019,401, J. M. Driver, Wrapper for articles of merchandise, filed Sept. 13, 1939, D. C., S. D. Ohio, E. Div., Doc. 122, *J. M. Driver* v. *Shellmar Products Co.*

2,019,796. (See Re. 18,755.)

2,027,834. (See Re. 18,755.)

2,034,618. (See 1,917,261.)

2,040,441, H. B. McEuen, X-ray apparatus, filed Feb. 3, 1938, D. C., E. D. Ky. (Covington), Doc. 4131, *H. B. McEuen* v. *The Kelley-Koett Mfg. Co.*

2,051,013, H. E. Schulse, Art of beverage conditioning and dispensing; 2,098,211, same, Art of brew cooling, D. C. Del., Doc. E 1228, *H. E. Schulse et al.* v. *Frigidaire Corp. et al.* Consent decree dismissing bill and counter-claim without prejudice July 27, 1939.

2,057,399. (See 1,680,818.) 2,077,441. (See 1,956,600.)

2,082,779, W. C. Buchholz, Knitted article and method of producing same, filed Sept. 13, 1939, D. C., N. D. N. Y., Doc. 263, *Ackshand Knitting Co., Inc.*, v. *L. F. Swears.*

2,083,417. (See 1,772,824.) 2,098,211. (See 2,051,013.)

2,112,440. (See 2,010,861.)

2,132,500. (See Re. 21,117.)

2,147,462, C. Seaman, Apparatus for producing shirred materials; 2,147,463, same, Shirred material, filed Sept. 13, 1939, D. C., S. D. N. Y., Doc. 5/321, *C. Seaman* v. *M. Maislis (F. & M. Fancy Stitching Machine Co.).*

2,147,463. (See 2,147,462.)

2,156,073. (See Re. 21,117.)

2,156,150, G. F. French, Ladder and like webbing and method producing same; 2,156,151, same, Reinforced ladder webbing, filed Sept. 11, 1939, D. C., S. D. N. Y., Doc. 5/297, *Thomas French & Sons, Ltd.*, v. *Independent Window Shade Mfg. Co., Inc.*

2,156,151. (See 2,156,150.) 2,170,728. (See 1,786,931.)

Re. 18,662. (See 1,456,028.)

Re. 18,755, F. J. Day, Air conditioning means; 2,019,796, W. C. Phillips, Portable car cooler; 2,027,834, same, Car cooling device, filed Sept. 8, 1939, D. C., N. D. Calif. (Sacramento), Doc. 4140, *W. C. Phillips et al.* v. *G. W. Baker et al.*

Re. 19,905 (of 1,934,976), Groene & Luning, Crankshaft lathe, D. C., E. D. Mich., S. Div., Doc. 8033, *The R. K. Le Blond Machine Tool Co.* v. *Crankshaft Machine Co.* Dismissed Aug. 18, 1939.

Re. 20,115 (of 2,004,760), H. H. Klein, Hair curler, appeal filed Sept. 8, 1939, C. C. A., 2d Cir., Doc. 16791, *H. H. Klein* v. *W. Finkelstein.*

Re. 21,117 (of 2,132,500), A. R. Visitacion, Hair curler; 2,156,073, Wallace & Leisy, Hair curling device, filed Sept. 12, 1939, D. C., S. D. N. Y., Doc. 5/320, *Hollywood Comb Curler, Inc.*, v. *Glemby Co., Inc., et al.*

Des. 87,097, J. J. Klecka, Finger ring, D. C., S. D. Calif. (Los Angeles), Doc. E 1385–RJ, *J. R. Wood & Sons, Inc.*, v. *J. A. Appffel Co., Inc.* Doc. E 1386–C, *J. R. Wood & Sons, Inc.*, v. *I. H. Kaufman (Allison-Kaufman Co.).* Doc. E 1388–M, *J. R. Wood & Sons, Inc.*, v. *O. T. Topper.* Injunction Sept. 14, 1939, in each of above cases.

Des. 110,062, R. Williams, Dress ensemble, D. C., W. D. Mo. (Kansas City), Doc. 190, *S. Reich et al.* v. *Quality Hill Dress Co.* Consent decree Sept. 12, 1939.

Des. 115,997, M. Galowitz, Dress, filed Sept. 16, 1939, D. C., S. D. N. Y., Doc. 5/342, *Modern Juniors et al.* v. *Strand Dress Corp.*

Disclaimers

Re. 20,945.—*Frederick Bedell*, Ithaca, N. Y. DEVICE FOR INDICATING OSCILLOGRAPH CURVES AS STATIONARY. Patent dated December 13, 1938. Disclaimer filed November 20, 1939, by the assignee, *General Radio Company.*

Hereby enters this disclaimer to claims 1, 2, 3, and 5 in said specification.

1,590,146.—*William R. Zimmerman*, Cleveland, Ohio. THERMOSTATIC VALVE. Patent dated June 22, 1926. Disclaimer filed November 13, 1939, by the assignee, *The Bishop & Babcock Mfg. Company.*

Hereby enters this disclaimer to claims 1, 2, and 7 of said patent.

1,763,802.—*Edward J. Levy* (now by judicial change of name *Edward Levy Mayo*), Cleveland, Ohio. THERMOSTAT. Patent dated June 17, 1930. Disclaimer filed November 13, 1939, by the assignee, *The Bishop & Babcock Mfg. Company.*

Hereby enters this disclaimer to claims 8, 19, and 12 of said patent.

1,822,863.—*Edward J. Levy* (now by judicial change of name *Edward Levy Mayo*), Cleveland, Ohio. THERMOSTATIC VALVE. Patent dated September 8, 1931. Disclaimer filed November 13, 1939, by the assignee, *The Bishop & Babcock Mfg. Company.*

Hereby enters this disclaimer to claim 2 of said patent.

1,979,311.—*Perry A. Borden*, Waterbury, Conn. SYSTEM OF MEASUREMENT AND CONTROL. Patent dated November 6, 1934. Disclaimer filed October 27, 1939, by the assignee, *The Bristol Company.*

Hereby enters this disclaimer to claims 6 and 14 of said specification.

2,144,337.—*Winfield R. Koch*, Camden, N. J. ELECTRICAL DEVICE. Patent dated January 17, 1939. Disclaimer filed November 22, 1939, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 2 and 4 in said specification.

2,170,262.—*Charles Graenacher*, Basel, *Franz Ackermann*, Binningen, near Basel, and *Heinrich Bruengger*, Basel, Switzerland. DERIVATIVES OF DYESTUFFS CONTAINING HYDROXYL GROUPS AND PROCESS OF MAKING SAME. Patent dated August 22, 1939. Disclaimer filed November 15, 1939, by the assignee, *Society of Chemical Industry in Basle.*

Hereby disclaims from the scope of each of claims 1 to 10, inclusive, all processes for the manufacture of the claimed dyestuff derivatives except those processes wherein the reaction between the recited dyestuffs and halides (or chlorides) is carried out in a medium which consists substantially of pyridine.

Hereby disclaims from the specification, at page 1, right hand column, lines 46–48, the words "such as by heating the dyestuffs with the acylating agents with or without the addition of agents which bind acid, or preferably", and at page 1, right hand column, line 50, the words "or also indifferent solvents".

U. S. GOVERNMENT PRINTING OFFICE: 1939

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 12, 1939

[VOL. 509. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 423,623. FREDERICK R. BARNARD, Kew Gardens, N. Y. Filed Sept. 15, 1939.

FLOWERGRAM

For Natural Flowers and Floral Decorations.
Claims use since Sept. 11, 1939.

Ser. No. 424,019. AMERICAN KID CO. INC., New York, N. Y. Filed Sept. 29, 1939.



All wording and the representation of the piece of leather are disclaimed apart from the mark.
For Leather in the Piece.
Claims use since July 12, 1939.

Ser. No. 424,396. KAHN BROS. HAY & GRAIN CO., Chicago, Ill. Filed Oct. 10, 1939.

SURETY

For Grass Seeds.
Claims use since Sept. 15, 1939.

Ser. No. 424,529. UNITED STATES LIME PRODUCTS CORPORATION, San Francisco, Calif. Filed Oct. 13, 1939.

ARROWHEAD

For Limestone in Various Sizes Used for Chicken Grits.
Claims use since Sept. 21, 1939.

CLASS 2

Receptacles

Ser. No. 417,476. STAFFORD SIEKERT, doing business as Stafford Siekert Co., Milwaukee, Wis. Filed Mar. 24, 1939.

BOW-WOW BUFFET

For Food Dish for Small Animals Made of Synthetic Resin.
Claims use since Sept. 1, 1938.

Ser. No. 422,482. M. J. NEAHR & COMPANY, Chicago, Ill. Filed Aug. 10, 1939.



Applicant disclaims the words Neahr—Bags—Chicago "Dress Up Your Product" apart from the mark.
For Bags Made From Burlap, Cotton, or Kraft Paper.
Claims use since Aug. 2, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 422,792. WM. WILDER CO., INC., New York, N. Y. Filed Aug. 19, 1939.



For Ladies' Pocketbooks, Purses, and Handbags.
Claims use since Feb. 1, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 415,192. JAMES A. SMITH, Philadelphia, Pa. Filed Jan. 24, 1939.



For Germicidal Soap and Germicidal Shaving Soap.
Claims use since Dec. 2, 1938.

Ser. No. 423,461. GAGG CHEMICAL COMPANY, Miami, Fla. Filed Sept. 9, 1939.



For Soaps, Cleaning Compounds and Metal Polishes—Namely, a Brass Polish, a Chromium Polish, Liquid and Semi-Liquid Soap, a Detergent Cleaning Compound for Paint, Canvas, and Enamel, and a Compound for Cleaning and Sweetening the Bilges of Boats.
Claims use since June 15, 1939.

Ser. No. 424,408. MARY WOODWARD REINHARDT AND MARY H. McSWEENEY, New York, N. Y. Filed Oct. 10, 1939.

SCREEN STAR

For Toilet Soaps.
Claims use since Aug. 4, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 411,001. G. P. LOURMAS AND D. K. KYRIACOPOULO, Athens, Greece. Filed Sept. 26, 1938.



The Greek Letters Form the Greek Word for Thermidine.
For Products Increasing the Calorific Power of Lignites, Charcoals, Coke, Peat Coals, for Binders for Briquetting Lignites, Charcoal, Coke, and for Briquettes for Lignites, Coal, Charcoal, Peat.
Claims use since Nov. 14, 1936.

Ser. No. 414,084. SHAVERETTE CO., Chicago, Ill. Filed Dec. 21, 1938.

Shaverette

For Chemical Preparations for Enhancing the Life of the Sharp Edge of Cutting Instruments, Particularly Razor Blades, Sold With or Without Containers for Supporting Said Cutting Instruments in Contact With Said Preparations.
Claims use since Nov. 23, 1938.

Ser. No. 419,072. CAMPOS Y QUEBRACHALES PUERTO SASTRE S. A., Buenos Aires, Argentina. Filed May 4, 1939.



MARCA REGISTADA

The words "Fabrica de Tanino" and "Marca Registrada" are disclaimed apart from the mark.
For Tanning Extracts and Substances.
Claims use since Dec. 20, 1928.

Ser. No. 420,854. FRANCES DENNEY, Philadelphia, Pa. Filed June 23, 1939.

YES, YES

For Toilet Preparations—Namely, Cologne, Lotions, and Creams.
Claims use since June 7, 1939.

Ser. No. 421,244. PAUL H. LEHMANN, doing business as L & L Wholesale Company, Dallas, Tex. Filed July 3, 1939.



For Wave Solution, Rubbing Alcohol, Sulphur, Bay Rum, Brilliantine, Camphor, Hand Lotion, Glycerine, Petroleum Jelly, Oil for Hair, Senna Leaf, Shampoo, Fly Spray, and Lotion for Hair.
Claims use since Jan. 1, 1933.

Ser. No. 421,442. THE TRIPP CORPORATION, New York, N. Y. Filed July 10, 1939.

HOLLYWOOD
Bath O' Bubbles

"bubbles your troubles away"

The words "Hollywood", "Bath", and "Bubbles" are disclaimed apart from the mark.
For Chemical Water Softener and Foaming Agent.
Claims use since June 23, 1939.

Ser. No. 422,521. PEGGY SAGE, INC., New York, N. Y. Filed Aug. 11, 1939.

SARI

For Nail Polish.
Claims use since Aug. 7, 1939.

Ser. No. 422,756. THE OLIVE TABLET COMPANY, Columbus, Ohio. Filed Aug. 18, 1939.



The words "Olive Tablets" are disclaimed apart from the mark. The portrait is that of Dr. Frank Mott Edwards, deceased.
For Olive Colored Tablets for Use as a Laxative.
Claims use since July 27, 1939.

Ser. No. 423,186. JESUS VILLALVA, Flagstaff, Ariz. Filed Aug. 31, 1939.



For Liniment for External Use for the Relief of Muscular Aches and Pains.
Claims use since Dec. 22, 1934.

Ser. No. 423,339. FRANK E. POSEY, doing business as Soot-Eater Mfg. Co., Hamtramck, Mich. Filed Sept. 6, 1939.



No claim is made to the words "Soot", "Heats It", "Before", and "After" apart from the mark.
For Chemical Preparations for Eliminating Soot and Carbon Scales from Furnaces, Stove Pipes, and the Like.
Claims use since June 9, 1939.

Ser. No. 423,370. EDGAR B. CLARK AND COSTAS VENETIS, Philadelphia, Pa. Filed Sept. 7, 1939.

VEN-CLARK

The term "Clark" is disclaimed apart from the mark.
For Ointment for Healing Diseases of the Skin.
Claims use since Aug. 24, 1939.

Ser. No. 423,675. WILLIAM B. PARR, JR., doing business as William Parr Drug Co., Tampa, Fla. Filed Sept. 16, 1939.

FEDRODIDE

For Medicinal Preparation to be Taken Internally in the Treatment of Asthma.
Claims use since Jan. 1, 1939.

Ser. No. 423,705. ALFRED D. MCKELVY, doing business as Alfred D. McKelvy Company, Minneapolis, Minn. Filed Sept. 18, 1939.

Seaforth

For After Shaving Lotion, Deodorant, Talcum Powder, and Toilet Water.
Claims use since Aug. 15, 1939.

Ser. No. 423,884. HARRIS-SEYBOLD-POTTER COMPANY, Cleveland, Ohio. Filed Sept. 23, 1939.

TROPALK

For Photographic Chemicals.
Claims use since Aug. 1, 1939.

Ser. No. 423,886. HARRIS-SEYBOLD-POTTER COMPANY, Cleveland, Ohio. Filed Sept. 23, 1939.

REFRACT -O-GRAIN

For Photographic Chemicals.
Claims use since Aug. 1, 1939.

Ser. No. 423,962. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Sept. 26, 1939.

TOFAXIN

For Vitamin E Preparation.
Claims use since Sept. 7, 1939.

Ser. No. 423,978. GOLDING BROS. COMPANY, INC., New York, N. Y. Filed Sept. 27, 1939.

SANI - PERMA

For Chemical Fluid for Treating Fabric to Make it Sanitary.
Claims use since Aug. 1, 1939.

Ser. No. 424,072. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Sept. 29, 1939.

DUTERRA

For Preparation for Prophylaxis and Treatment of Diseases of the Vagina and Cervix.
Claims use since Aug. 30, 1939.

Ser. No. 424,095. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Sept. 30, 1939.

HEPICEBRIN

For Products Containing Various Kinds of Vitamins to be Used in Those Conditions Where Additional Vitamin Therapy is Indicated.
Claims use since Sept. 6, 1939.

Ser. No. 424,101. LYDIA E. PINKHAM MEDICINE COMPANY, Lynn, Mass. Filed Sept. 30, 1939.



The representation of a woman and the facsimile signature are those of Lydia E. Pinkham, deceased.
For Preparations Having Alterative, Antiseptic, Cleansing, Deodorizing, Diuretic, Laxative, Tonic and Sedative Properties, and Indicated in and for the Treatment of Chlorosis, Constipation, Functional Disorders and Irregularities of the Menses, Liver Complaints, and all such other Physical Disorders and Pathological Conditions in or for the Treatment of which it may be Necessary or Advisable to Administer, Apply or use Alteratives, Antiseptics, Blood Purifiers, Cathartics, Cleansing Compounds, Deodorants, Diuretics, Hepatic Stimulants, Laxatives, Purgatives, Systemic Tonics, Uterine Tonics and Sedatives, and Medicated Washes.
Claims use since July 1, 1939.

Ser. No. 424,136. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Oct. 2, 1939.

REQUIMIN

For Vitamin Capsules.
Claims use since Sept. 26, 1939.

Ser. No. 424,142. SHELL OIL COMPANY, INCORPORATED, St. Louis, Mo. Filed Oct. 2, 1939.

SHELLZONE

For Anti-Freeze Solutions.
Claims use since July 22, 1939.

Ser. No. 424,181. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 3, 1939.

DALDRIN

For Sedative, Expectorant, and Bronchial Medicament.
Claims use since Sept. 26, 1939.

Ser. No. 424,339. BECKERS PTY. LIMITED, Sydney, Australia. Filed Oct. 9, 1939.

BEX

For Medicinal Preparation in the Form of a Powder or Tablet for Headache, Neuralgia, Influenza, Lumbago, Rheumatism, Sciatica, and All Nerve Pains.
Claims use since November, 1927.

Ser. No. 424,397. VIOLET F. KAY, doing business as Charles S. Kay Mfg. Chemist, Detroit, Mich. Filed Oct. 10, 1939.

ALERT TABS

★

For Nerve Tonic Sold in Capsule Form and Particularly Designed for the Relief of Drowsiness.
Claims use since Sept. 1, 1937.

Ser. No. 424,414. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y. Filed Oct. 10, 1939.

TAM

For Chemical Compounds, Opaquing Agents, and Pigments Used in the Manufacture of Enamels and Glazes; and Titanium, Mixtures Containing Titanium, Titanium Compounds, Mixtures Containing Titanium Compounds, Zirconium, Mixtures Containing Zirconium, Zirconium Compounds, Mixtures Containing Zirconium Compounds.
Claims use since July 15, 1925.

Ser. No. 424,484. MEDICO CHEMICAL CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 12, 1939.

EFFO-BARBIBROM

For Effervescent Tablets Containing Bromide and Phenobarbital Used as Sedatives and Hypnotics.
Claims use since Oct. 1, 1939.

Ser. No. 424,485. MEDICO CHEMICAL CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 12, 1939.

EFFO-BROM

For Effervescent Bromide Tablets Used as Sedatives.
Claims used since Oct. 1, 1939.

Ser. No. 424,486. MEDICO CHEMICAL CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 12, 1939.

EFFO-SAL

For Effervescent Antiseptic Mouthwash Tablets.
Claims use since Oct. 1, 1939.

CLASS 11

Inks and Inking Materials

Ser. No. 417,943. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed Apr. 6, 1939.



For Typewriter Ribbon and Carbon Paper.
Claims use since Jan. 1, 1937.

Ser. No. 424,435. THE NELSON-EISMANN COMPANY, Chicago, Ill. Filed Oct. 11, 1939.

Finger Tip

For Carbon Paper.
Claims use since Aug. 25, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 421,549. WALWORTH PATENTS INC., Boston, Mass. Filed July 13, 1939. Under the act of Feb. 20, 1905, as amended June 10, 1938.

BRAZWELD

For Metal Pipe Joints.
Claims use since Apr. 28, 1939.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 406,932. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla. Filed May 31, 1938.

MACADIZED

For Treated and Polished Metal Strips and Unfinished or Partly Finished Machinery Castings, Such as Valve Housings.
Claims use since May 25, 1938.

CLASS 15

Oils and Greases

Ser. No. 413,974. JOHN R. AVEY, doing business as Avey Products Company, Tulsa, Okla. Filed Dec. 19, 1938.



For Lubricating Oils and Greases and Anti-Corrosive Oils.
Claims use since Dec. 3, 1938.

Ser. No. 423,018. WAVERLY PETROLEUM PRODUCTS CO., Philadelphia, Pa. Filed Aug. 25, 1939.

UVX-4

For Lubricating and Solvent Oil.
Claims use since January, 1932.

Ser. No. 423,922. RUSSELL D. MULLENIX, Waterloo, Iowa. Filed Sept. 25, 1939.

CREEPS

For Penetrating Oil to be Used in the Lubrication of Rusted Surfaces and Removal of Rust in Joints.
Claims use since Sept. 23, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 404,834. DELMA AGENCY LIMITED, Toronto, Ontario, Canada, assignor to Nu-Wall Industries, Limited, a corporation of the Province of Ontario, Canada. Filed Apr. 4, 1938.

NU-WALL

For Water Paints.
Claims use since Jan. 10, 1938.

Ser. No. 412,305. RINSHED-MASON COMPANY, Detroit, Mich. Filed Nov. 2, 1938.

Perma-bond

For Primer for Enamel or the Like.
Claims use since Oct. 26, 1938.

Ser. No. 424,642. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Oct. 18, 1939.

PERMA-CAST

For Bowling Alley Enamel Polish.
Claims use since Oct. 5, 1939.

Ser. No. 424,644. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Oct. 18, 1939.

PERMA-FLO

For Thinner for Bowling Alley Finishes.
Claims use since Oct. 5, 1939.

Ser. No. 424,649. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Oct. 18, 1939.

PERMA-LAST

For Ready Mixed Shellac.
Claims use since Oct. 5, 1939.

Ser. No. 424,650. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Oct. 18, 1939.

PERMA-LENE

For Thinner for Bowling Alley Finishes.
Claims use since Oct. 5, 1939.

Ser. No. 424,653. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Oct. 18, 1939.

PERMA-RITE

For Bowling Alley Shellac.
Claims use since Oct. 5, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 413,463. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Dec. 3, 1938.

WAVEMAGNET

For Antennas for Radio and Television Receiving Sets and Parts Thereof.
Claims use since Dec. 1, 1938.

Ser. No. 414,418. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Dec. 31, 1938.



For Antennas for Radio and Television Receiving Sets and Parts Thereof.
Claims use since Dec. 21, 1938.

Ser. No. 414,419. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Dec. 31, 1938.



Applicant disclaims the representation of a radio receiving set apart from the mark.
For Antennas for Radio and Television Receiving Sets and Parts Thereof.
Claims use since Dec. 21, 1938.

Ser. No. 422,207. GRAND RAPIDS STORE EQUIPMENT COMPANY, Grand Rapids, Mich. Filed Aug. 2, 1939.

"Duet"

For Electric Direct-Indirect Mirror Lighting Units.
Claims use since Apr. 26, 1939.

Ser. No. 423,393. WRAY P. WHITE, Natick, Mass. Filed Sept. 7, 1939.



For Electric Signs.
Claims use since Aug. 10, 1939.

Ser. No. 424,766. DIAMOND WIRE & CABLE CO., Chicago Heights, Ill. Filed Oct. 21, 1939.

"ANTENIFORM"

For Loop Antennas for Radio Reception.
Claims use since Apr. 1, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 424,658. EKSTRAND & THOLAND, INC., New York, N. Y. Filed Oct. 18, 1939.



For Figure Skates.
Claims use since Oct. 1, 1939.

Ser. No. 424,724. G. C. HANFORD MFG. CO., Syracuse, N. Y. Filed Oct. 20, 1939.

PERKY PRILL

For Paper Dolls.
Claims use since August, 1938.

Ser. No. 424,852. KEEN-O CORPORATION, INC., Jersey City, N. J. Filed Oct. 24, 1939.

KEEN-O-Kwizz

For Question and Answer Game.
Claims use since May 16, 1939.

Ser. No. 424,922. WALTER LINTON, Denver, Colo. Filed Oct. 26, 1939.

WALTER LINTON

For Skis and Ski Equipment.
Claims use since Oct. 14, 1939.

Ser. No. 425,096. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Oct. 31, 1939.

BLARNEY STONES

For Board Game Played with Special Dice.
Claims use since Oct. 16, 1939.

Ser. No. 425,097. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Oct. 31, 1939.

CONFLICT

For Board Game Played with Movable Pieces.
Claims use since Oct. 16, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 410,906. THE HOOVER COMPANY, North Canton, Ohio. Filed Sept. 23, 1938.

MOTHIMIZER

For Insecticide Devices in the Nature of an Accessory for an Air Circulating Machine, Such as a Suction Cleaner, and which is Adapted to Contain a Volatile Agent and Direct Thereover Volatilizing Air Received from the Machine.
Claims use since Oct. 17, 1936.

Ser. No. 417,748. ROGER W. CUTLER, Boston, Mass. Filed Apr. 1, 1939.



No claim is made to the word "Sak" per se.
For Fabric Driving Tapes for the Spindles of Spinning and Twister Frames.
Claims use since Mar. 6, 1939.

Ser. No. 418,516. ETCHCRAFTERS OF AMERICA, INC., Baltimore, Md. Filed Apr. 21, 1939.



For Etching Presses, Etching Kits, Etching Plates, Etching Points.
Claims use since Nov. 15, 1938.

Ser. No. 423,589. THE AMERICAN TOOL WORKS COMPANY, Cincinnati, Ohio. Filed Sept. 14, 1939.

Pacemaker

For Lathes.
Claims use since Sept. 1, 1939.

Ser. No. 424,583. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Oct. 16, 1939.

Kumpakt

For Safety Razors and Electrically Operated Instruments for Shaving and for Removing Hair from the Body.
Claims use since June, 1927, for safety razors, and since July, 1939, for electrically operated instruments for shaving and for removing hair from the body.

Ser. No. 424,749. FERMIN & RICARDO GOMEZ & COMPANY, Bogota, Colombia. Filed Oct. 20, 1939.



For Knives Such as Machetes.
Claims use since Jan. 1, 1930.

Ser. No. 424,750. FERMIN & RICARDO GOMEZ & COMPANY, Bogota, Colombia. Filed Oct. 20, 1939.

Jai Alai

For Razor Blades.
Claims use since Jan. 1, 1930.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 423,015. THE TRIPLETT ELECTRICAL INSTRUMENT COMPANY, Bluffton, Ohio. Filed Aug. 25, 1939.

REDODOT

For Electrical Meters—Namely, Voltmeters, Ammeters, Ohmmeters, Galvanometers, Vacuum Tube Voltmeters, Milliameters, Volt-Ohm-Milliameters, Vacuum Tube Testers, and Overall Radio Circuit Testers.
Claims use since June 10, 1939.

Ser. No. 423,606. C. H. F. MULLER AKTIENGESELLSCHAFT, Berlin, Germany. Filed Sept. 14, 1939.



For Electrical Apparatus—Namely, X-Ray Tubes, X-Ray Apparatus and Supplies.
Claims use since July 1, 1938.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 419,740. U. S. MERCHANDISE CORPORATION, Baltimore, Md. Filed May 23, 1939.



Applicant makes no claim to "U. S. Merchandise Corporation" and "Finest Made" apart from the mark.
For Florists' Supplies—Namely, Ceramic Flower and Plant Pots, Vases, Jardinieres, and Bowls.
Claims use since June 6, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 423,513. W. A. STONE COMPANY, INC., Batavia, Ill. Filed Sept. 11, 1939.

Silverrel

For Refrigerators—Namely, Both Stationary and Vehicular Refrigerators—Namely, Refrigerator Bodies for Use on Automotive Vehicle Trucks and Refrigerator Bodies for Installation in Railway Refrigerator Cars, and Sectional Units for the Tops, Bottoms and Side Walls of Such Refrigerators, and Refrigerator Bodies.
Claims use since June 1, 1938.

Ser. No. 424,918. KING REFRIGERATOR CORP., Brooklyn, N. Y. Filed Oct. 26, 1939.



For Refrigerators.
Claims use since June, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 425,048. FAURIA AWNING & SHADE CO., New Orleans, La. Filed Oct. 30, 1939.



For Venetian Blinds.
Claims use since Sept. 20, 1939.

Ser. No. 425,253. PREMIER BED & SPRING COMPANY, San Francisco, Calif. Filed Nov. 4, 1939.

PREMIER

For Studio Couches, Divans, Mattresses, and Box Springs.
Claims use since June, 1935, on studio couches and divans; and since January, 1938, on mattresses and box springs.

CLASS 33

Glassware

Ser. No. 422,323. GENERAL SCIENTIFIC CORPORATION, Chicago, Ill. Filed Aug. 5, 1939.

fluron

For Glass Tubing for Electrically Conductive Gases.
Claims use since Dec. 13, 1938.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 423,021. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Aug. 26, 1939.

PLANOGRAPH

For Machines for Cutting and Welding Metal by Means of Gases.
Claims use since Aug. 22, 1939.

Ser. No. 424,242. NORTHERN STEEL & STOKER CORP., Peoria, Ill. Filed Oct. 5, 1939.



STOKERATOR

For Stokers.
Claims use since Aug. 1, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 424,804. THE GATES RUBBER COMPANY, Denver, Colo. Filed Oct. 23, 1939.

Gardenette

For Rubber Hose, More Particularly Water Hose.
Claims use since Aug. 14, 1939.

Ser. No. 424,880. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Oct. 25, 1939.



No claim is made to "Best in Asbestos" apart from the mark.
For Packings and Gaskets, Such as Rod, Plunger, Piston, Stuffing Box and Valve Stem Packings, Sheet Packings, Seamless Tube Plate Gaskets, Boiler Gaskets, Asbestos Gasketing Tapes, Woven Asbestos Gasketing Tapes, Asbestos Wick, Asbestos Rope, Tubular Gasketing and Hydraulic and Steam Pressure Packings and Gaskets of All Types and Forms.
Claims use since Oct. 1, 1937.

Ser. No. 425,146. THE B. F. GOODRICH COMPANY, Akron, Ohio, and New York, N. Y. Filed Nov. 2, 1939.

RAYO-FLEX

For Pneumatic Tire Casings of Rubber and Fabric.
Claims use since Feb. 15, 1939.

Ser. No. 425,262. UNITED BUYERS CORPORATION, Chicago, Ill. Filed Nov. 4, 1939.

Deerwood

For Jar Rings.
Claims use since 1912.

CLASS 36

Musical Instruments and Supplies

Ser. No. 424,631. UNIVERSAL MICROPHONE CO., LTD., Inglewood, Calif. Filed Oct. 17, 1939.



For Machines for Making Phonograph Records, Machines for Recording Sounds on a Phonograph Blank, Phonographs, Phonograph Record Cutting Mechanisms, Phonograph Record Reproducing Mechanisms, Phonograph Records, Phonograph Record Blanks, and Parts and Accessories for Use with the Above Equipment.
Claims use since June 10, 1938.

Ser. No. 424,687. THE FRED GRETSCH MANUFACTURING CO., New York, N. Y. Filed Oct. 19, 1939.

"HUMANATONE"

For Nasal Wind Musical Instrument.
Claims use since August, 1904.

CLASS 37

Paper and Stationery

Ser. No. 415,898. KELLOGG COMPANY, Battle Creek, Mich. Filed Feb. 10, 1939.

Kel-liner

The word "Liner" is disclaimed apart from the mark.
For Waxed, Oiled, Impregnated, Heat-Sealing, Translucent, Transparent, Waterproof, Moistureproof or Airproof Paper or Other Paper Used in Lining Cases, Boxes or Other Cartons and Papers Used to Form Containers, Bags and Sacks to Protect the Goods from Air, Moisture, Etc., and for Wrapping Purposes, Sold Separately and Apart from Any Contents of Packages of Cereal.
Claims use since Sept. 12, 1938.

CLASS 38

Prints and Publications

Ser. No. 419,735. CHARLES A. ROBERTS, doing business as Editors and Publishers Service Company, New York, N. Y. Filed May 23, 1939.

Contest Tips

For Publication Describing, Illustrating, and Referring to Games and Puzzles in Contests, Published from Time to Time.
Claims use since Mar. 4, 1939.

Ser. No. 423,004. RUSSELL PALMER, Hoboken, N. J. Filed Aug. 25, 1939.

El CATÁLOGO AZUCARERO

For Catalogue Published Yearly.
Claims use since June, 1938.

Ser. No. 424,185. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Oct. 3, 1939.

The World Week

For Sections of Periodical Publications.
Claims use since Sept. 25, 1939.

Ser. No. 424,258. DAILY MIRROR, INC., New York, N. Y. Filed Oct. 6, 1939.

SUNDAY MIRROR
MAGAZINE SECTION

The words "Magazine Section" are disclaimed apart from the mark.
For Magazine Section of a Newspaper.
Claims use since Jan. 10, 1932.

CLASS 39

Clothing

Ser. No. 413,294. THE B. V. D. CORPORATION, Baltimore, Md. Filed Nov. 30, 1938. Under section 5B of the act of 1905, as amended in 1920.

MADE FOR THE
B.V.D.
BEST RETAIL TRADE

For Clothing for Men as Follows: Underwear of Woven and Textile Fabrics—Namely, Shirts, Drawers, Union Suits, Shorts and Ski Underwear, Pajamas, Athletic Outer Clothing—Namely, Athletic Shirts and Running Pants, Briefs, Combined Girdle and Knit Shorts, Bathing Suits, Bathing Trunks, Sweaters, Negligee Shirts, Sport Shirts, Night Shirts, Robes for Personal Wear, Beachwear, to-wit, Woven and Knit Shirts, Handkerchiefs; Clothing for Women as Follows: Bathing Suits, Beachwear, to-wit, Slacks, Shirts and Shorts, Capes, Scarfs for Personal

Wear, Bandanas, Sport Shirts, Sweaters, Housecoats, Pajamas, Robes for Personal Wear, Knit Ski Shirts and Shorts, Union Suits, Handkerchiefs; Clothing for Children as Follows: Underwear, Bathing Suits, Bathing Trunks, Waist Suits.

Claims use since 1893 for underwear; since about 1910 for pajamas; since about Sept., 1926 on athletic shirts and running pants; since Sept. 5, 1927 on children's waist suits; since Mar. 19, 1930 on bathing suits and bathing trunks; since Mar., 1930 on beachwear; since Apr. 16, 1930 on sweaters; since Feb. 23, 1933 on negligee shirts; since Apr. 21, 1933 on handkerchiefs; since Apr., 1934 on night shirts; since Mar., 1935 on briefs; since Aug., 1935 on robes for personal wear; since Dec., 1935 on sport shirts; since Oct. 24, 1936 on men's combined girdle and knitted shorts; and continuously in the business of the applicant as follows: on housecoats since July, 1938; the notation "B. V. D." having been used in the business of applicant and applicant's predecessors for underwear continuously since Sept. 1, 1876.

Ser. No. 413,917. LEWIS L. ROSENFIELD, doing business as Sun Valley Mfg. Co., Boston, Mass. Filed Dec. 16, 1938.

BLIZZARD Cloth

The word "Cloth" is disclaimed apart from the mark.

For Men's and Women's Cotton Twill Light Weight Water Repellent Jackets.

Claims use since Oct. 14, 1936.

Ser. No. 417,910. FRANCO CORSET COMPANY, New York, N. Y. Filed Apr. 6, 1939.

Biasette

For Corsets.

Claims use since Sept. 1, 1938.

Ser. No. 419,334. LEONARD DIAMOND, doing business as Diamond Glove Co., New York, N. Y. Filed May 12, 1939.

DIAMOND D MAKE

Applicant disclaims the word "Make".

For Leather Gloves.

Claims use since Aug. 1, 1907.

Ser. No. 421,112. VANITY DRESS, INCORPORATED, Minneapolis, Minn. Filed June 29, 1939.

Cysee

For Misses' Dresses and Girls' Dresses.

Claims use since Feb. 15, 1939.

Ser. No. 422,741. GAYNESHIRE CO. INC., New York, N. Y. Filed Aug. 18, 1939.

Kirkland Hall

For Men's and Women's Clothing—Namely, Suits, Trousers, Overcoats, Topcoats, Jackets, Vests, and Outer Shirts.

Claims use since July 29, 1939.

Ser. No. 422,749. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Aug. 18, 1939.

Triplicoat

For Men's Topcoats and Overcoats.

Claims use since Mar. 28, 1939.

Ser. No. 423,378. GLENSDER TEXTILE CO., New York, N. Y. Filed Sept. 7, 1939.

Glenter

For Ladies' Scarfs and Handkerchiefs.

Claims use since January, 1923.

Ser. No. 423,813. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Sept. 21, 1939.

AQUANETTE

For Men's and Young Men's Overcoats, Topcoats, and Raincoats.

Claims use since 1920.

Ser. No. 423,991. ROBERT A. WENTZEL, doing business as Fae Manufacturing Company, Palmyra, Pa. Filed Sept. 27, 1939.

Ringolde

For Ladies', Men's, and Children's Undergarments—Namely, Union Suits, Vests, Shirts, Shorts, Ultra Short Men's Underdrawers, Slips, Nightgowns, Pajamas, Nightshirts, Panties, Brassières, Step-Ins in the Nature of Underdrawers, Bloomers, Petticoats, and Chemises, and Ladies' Aprons, Dresses, and Housecoats.

Claims use since Sept. 18, 1939.

Ser. No. 424,024. CARMO SHOE MANUFACTURING COMPANY, Carthage, Mo. Filed Sept. 29, 1939.

Carmo Stepees PUMPS

Applicant disclaims the picture of the shoe and the word "Pumps".

For Ladies' and Misses' Shoes Made of Leather, Canvas, Fabric, or Compositions or Combinations Thereof.

Claims use since June, 1936.

Ser. No. 424,025. CARMO SHOE MANUFACTURING COMPANY, Carthage, Mo. Filed Sept. 29, 1939.

Glov-Tex Styled by Carmo

The words "Styled by" are disclaimed apart from the mark.

For Ladies' and Misses' Shoes Made of Leather, Canvas, Fabric, or Compositions or Combinations Thereof.

Claims use since October, 1938.

Ser. No. 424,026. CARMO SHOE MANUFACTURING COMPANY, Carthage, Mo. Filed Sept. 29, 1939.

Del-Nor Styled by Carmo

The phrase "Styled by" is disclaimed apart from the mark.

For Ladies' and Misses' Shoes Made of Leather, Canvas, Fabric, or Compositions or Combinations Thereof.

Claims use since March, 1939.

Ser. No. 424,507. WIENER & KATZ, New York, N. Y. Filed Oct. 12, 1939.

20 POINTER

For Boys' and Young Men's Suits and Overcoats.

Claims use since Feb. 15, 1939.

Ser. No. 424,662. MARVEL MAID NIGHTWEAR CORP., New York, N. Y. Filed Oct. 18, 1939.

PERMA TEX

For Ladies' and Children's Pajamas, Nightgowns, Kimonos, and Bed Jackets.

Claims use since June 1, 1938.

Ser. No. 424,663. MARVEL MAID NIGHTWEAR CORP., New York, N. Y. Filed Oct. 18, 1939.

Velvee

For Ladies' and Children's Pajamas, Nightgowns, Kimonos, and Bed Jackets.

Claims use since May 1, 1938.

Ser. No. 424,696. RICHFORM SLIPS INC., New York, N. Y. Filed Oct. 19, 1939.

RICHFORM

For Ladies' and Girls' Slips and Underwear.

Claims use since Aug. 1, 1939.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 423,412. COWEN BROS., New York, N. Y. Filed Sept. 8, 1939.

BREE-Z

For Wrist Watch Straps Made of Leather or Fabric.

Claims use since June 10, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 423,107. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., doing business as Famous-Barr, St. Louis, Mo. Filed Aug. 29, 1939.

ARISTOCRAT

For Draperies and Upholstery Fabrics Made From Silk, Satin, Rayon, Wool, and Mohair.
Claims use since July 28, 1939.

Ser. No. 424,065. JACOB M. SPAR, New York, N. Y. Filed Sept. 29, 1939.

CHAPELLA

For Rayon and Wool Piece Goods.
Claims use since May 15, 1939.

Ser. No. 424,066. JACOB M. SPAR, New York, N. Y. Filed Sept. 29, 1939.

SERENADE

For Rayon Piece Goods.
Claims use since May 15, 1939.

Ser. No. 424,172. SEBASTIAN S. KRESGE, doing business as Kresge Department Store, Newark, Newark, N. J. Filed Oct. 3, 1939.

FAIRLAND TAFFETA

The word "Taffeta" is disclaimed apart from the mark.
For Rayon Taffeta.
Claims use since October, 1937.

Ser. No. 424,490. J. J. NEWBERRY CO., New York, N. Y. Filed Oct. 12, 1939.

Marlene

For Silk, Velvet, Cotton, Rayon, Moire Ribbons Sold by the Yard, Piece, and Bolt, Blankets Made Wholly of Cotton, Blankets Made Wholly of Wool, and Blankets Made of a Mixture of Wool and Cotton.
Claims use since January, 1937.

Ser. No. 424,763. COHN-HALL-MARX CO., New York, N. Y. Filed Oct. 21, 1939.

COMARTEXED

For Cotton, Rayon, Acetate, and/or Silk Piece Goods.
Claims use since Sept. 26, 1939.

Ser. No. 425,012. J. ROSEN & SONS, INC., Paterson, N. J. Filed Oct. 28, 1939.



For Ribbons.
Claims use since Sept. 13, 1939.

Ser. No. 425,013. M. C. SCHRANK COMPANY, Bridgeton, N. J. Filed Oct. 28, 1939.

CUDDLESUEDE

For Piece Goods Made of Cotton, Silk, or Artificial Silk, and Mixtures Thereof.
Claims use since June 1, 1939.

CLASS 43

Thread and Yarn

Ser. No. 423,859. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Sept. 22, 1939.

NARCO

For Thread and Yarn of Artificial Origin.
Claims use since July 24, 1939.

Ser. No. 423,924. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Sept. 25, 1939.

SUPER-NARCO

For Thread and Yarn of Artificial Origin.
Claims use since Aug. 28, 1939.

Ser. No. 424,874. GASTONIA COMBED YARN CORPORATION, Gastonia, N. C. Filed Oct. 25, 1939.

GYCO

For Combed Yarn.
Claims use since December, 1938.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 424,514. CHIROPODY SUPPLY HEADQUARTERS, INC., Chicago, Ill. Filed Oct. 13, 1939.

CHIRO-HESIVE

For Adhesive, Bandage, and Foot Plaster.
Claims use since Sept. 26, 1939.

CLASS 45

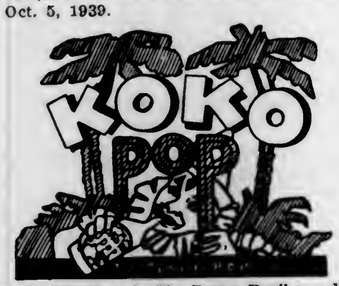
Beverages, Nonalcoholic

Ser. No. 422,221. GROVER C. THOMSEN, doing business as The Glassite Company, Waco, Tex. Filed Aug. 2, 1939.

SUN-TANG

No claim is made to the word "Tang" apart from the mark.
For Non-Alcoholic Maltless Beverages and for Maltless Syrups Used in the Production Thereof.
Claims use since June 24, 1939.

Ser. No. 424,234. KINOS BEVERAGE CO., New York, N. Y. Filed Oct. 5, 1939.



The words "Pop" and "The Peppy Pop" are disclaimed apart from the mark.
For Nonalcoholic Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since May 2, 1938.

Ser. No. 424,261. DIXON FLAVOR & EXTRACT CO., San Francisco, Calif. Filed Oct. 6, 1939.

WESTERN COLA

The word "Cola" is disclaimed apart from the mark.
For Nonalcoholic, Noncereal, Maltless Beverages, Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since June 20, 1936.

Ser. No. 424,714. COLONIAL BOTTLE CAP CO., INC., Lake Katrine, N. Y. Filed Oct. 20, 1939.

Laidl

For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Syrups and Extracts for Making the Same.
Claims use since Sept. 28, 1939.

Ser. No. 424,715. COLONIAL BOTTLE CAP CO., INC., Lake Katrine, N. Y. Filed Oct. 20, 1939.

Lain O'Loc

For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Syrups and Extracts for Making the Same.
Claims use since Sept. 28, 1939.

Ser. No. 425,024. SAFETY-THIRST, INCORPORATED, St. Louis, Mo. Filed Oct. 28, 1939.

FOUR-MOST

For Maltless, Non-Alcoholic Beverages, Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since Oct. 13, 1939.

Ser. No. 425,046. DREWRYS DRY GINGER ALE, U. S. A., INC., Detroit, Mich. Filed Oct. 30, 1939.

MOUNTIE

For Non-Alcoholic Beverages and Extracts for Making Same.
Claims use since Oct. 17, 1939.

CLASS 46

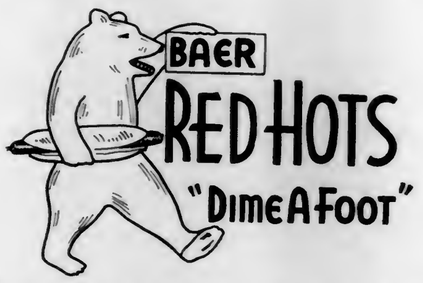
Foods and Ingredients of Foods

Ser. No. 401,466. BEAVER DAM MILLING CO., Collinston, Utah. Filed Jan. 3, 1938.



No claim is made to the word "Kernel" apart from the mark.
For Chipped Wheat Breakfast Cereals, Puffed Wheat, Rice Cereals, Wheat Flour, and Hard Wheat Flour.
Claims use since Nov. 1, 1937.

Ser. No. 407,415. CLIFFORD BAER, Calumet City, Ill. Filed June 13, 1938.



No claim is made to the term "Red Hots", to the representation of the goods, and to the word "Dime" apart from the mark.

For Sandwiches.

Claims use since Apr. 1, 1938.

Ser. No. 410,102. WEYL-ZUCKERMAN & Co., Stockton, Calif. Filed Aug. 29, 1938.



The expression "Starch-Lo" is disclaimed apart from the mark.

For Potatoes.

Claims use since Aug. 15, 1938.

Ser. No. 416,795. DANSKE KONSERVESFABRIKERS AMERIKA AFDELING, Copenhagen, Denmark. Filed Mar. 8, 1939. Under the act of Feb. 20, 1905, as amended June 10, 1938.



No claim is made to any wording or to the representation of the goods or to the outline of the label.

For Canned Ham, Picnic Shoulder, Pork Loin, Luncheon Meat, Sausages, and Bacon.

Claims use since Feb. 1, 1938.

Ser. No. 417,155. YOGFRUIT LIMITED, London, England. Filed Mar. 16, 1939.

YOGFRUIT

For Yoghurt Containing Fruit and Fruit Flavorings.

Claims use since Jan. 1, 1937.

Ser. No. 417,419. STAHL-MEYER, INC., New York, N. Y. Filed Mar. 23, 1939.



The word "Tenderated" is disclaimed apart from the mark. The drawing is lined for red and gold.

For Ham.

Claims use since June 18, 1937.

Ser. No. 419,742. MAURER MANUFACTURING COMPANY, Newark, N. J. Filed May 22, 1939.



The applicant is the owner of Registration 107,576, Dec. 14, 1915. No claim is made to the word "Kwality" except as shown.

For Meat Scrap for Poultry and Bone Meal for Hogs, Dogs, and Poultry.

Claims use since July 1, 1916.

Ser. No. 420,010. LA MANNA, AZEMA & FARNAN, INC., New York, N. Y. Filed May 31, 1939.



For Olives.

Claims use since Jan. 15, 1915.

Ser. No. 420,257. MONARK EGG CORPORATION, Kansas City, Mo. Filed June 7, 1939.



No claim is made to the word "Brand" apart from the mark.

For Eggs.

Claims use since Feb. 1, 1922.

Ser. No. 421,313. MAYFLOWER ICE CREAM COMPANY, INC., Fisherville, Mass. Filed July 6, 1939.

Mayflower

For Ice Cream, Sherbets, Ices.

Claims use since Mar. 2, 1939.

Ser. No. 422,126. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed July 31, 1939.



Applicant is the owner of trade-mark registrations Nos. 41,117, dated September 15, 1903; 177,329, 177,330, 177,331, 177,332, dated December 18, 1923; and 312,946, dated May 15, 1934. The colors green and yellow shown on the label are claimed as features of the mark, the green color being displayed lengthwise in varying shades from light to dark, with the word "Karo" in dark green on a yellow disc. All of the wording, with the exception of the words "Karo" and "Corn Products Refining Co.", are disclaimed apart from the mark shown in the drawing.

For Waffle Syrup.

Claims use since Jan. 27, 1939.

Ser. No. 422,278. WM. C. FERGUSON & Co., Stockton, Calif. Filed Aug. 4, 1939.

BRIGHT TIP

The applicant is the owner of Registration 305,865, dated August 29, 1933. No claim is made to the word "Tip" apart from the mark.

For Fresh Vegetables—Namely, Asparagus.

Claims use since Mar. 4, 1938.

Ser. No. 422,818. ADOLF GOBEL, INC., Brooklyn, N. Y. Filed Aug. 21, 1939.

Gobel's
Royal Frankfurters
"Fit for a King"

The word "Frankfurters" is disclaimed except as shown. Applicant is owner of trade-mark registration No. 92,064 effected under the ten-year proviso.

For Frankfurters.

Claims use since Aug. 11, 1939.

Ser. No. 423,519. AMERICAN FRUIT GROWERS INCORPORATED, Wilmington, Del., and Pittsburgh, Pa. Filed Sept. 12, 1939.



The applicant is the proprietor of United States Trade-Mark Registrations No. 128,817 of January 13, 1920, and No. 212,033 of April 27, 1926.

For Fresh Citrus Fruits, Fresh Deciduous Fruits, Fresh Berries, Fresh Grapes, Watermelons, Cantaloupes, Casaba

Melons, Honeydew Melons, Pineapples, Canned Fruits, Canned Fruit Juices, Fresh Figs and Dates, and Fresh Vegetables.

Claims use since May 29, 1918, on fresh citrus fruits and fresh deciduous fruits; since 1921 on fresh berries; since 1923 on canned fruits; since Jan. 15, 1931, on canned fruit juices; since 1921 on fresh vegetables; since 1921 on fresh grapes; since May 8, 1922, on watermelons; since May 29, 1918, on cantaloupes; since 1921 on casaba melons; since 1922 on honeydew melons; since 1922 on pineapples; and since 1924 on fresh figs and dates.

Ser. No. 423,630. JOE GRASSO & SON, Galveston, Tex. Filed Sept. 15, 1939.



No claim is made to the word "Brand" and the representations of the shrimps apart from the mark.

For Fresh Frozen Shrimp.

Claims use since May 1, 1919.

Ser. No. 424,070. WALLERSTEIN COMPANY, INC., New York, N. Y. Filed Sept. 29, 1939.

BOLAK



For Chocolate Malt Syrup.

Claims use since Sept. 16, 1939.

Ser. No. 424,156. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio. Filed Oct. 3, 1939.

KINGTASTE

Said corporation is the owner of trade-mark registrations Nos. 199,643, June 16, 1925, and 308,629, December 12, 1933.

For Pie Crust Mixture and Pure Vegetable Shortening.

Claims use since Sept. 1, 1923.

Ser. No. 424,263. ENRICH PRODUCTS CO., INC., New York, N. Y. Filed Oct. 6, 1939.

STAMINA

For Food Drink Containing Soy Bean, Dextrin, and Other Carbohydrates in Powder Form.

Claims use since Apr. 15, 1938.

Ser. No. 424,379. WITWER GROCER COMPANY, doing business as Sala-Dress Co., Cedar Rapids, Iowa. Filed Oct. 9, 1939.

SALA-DRESS

For Salad Dressing.

Claims use since Aug. 7, 1937.

Ser. No. 424,550. PERRY MESSINGER, doing business as The Cheese Joint, Sodus, N. Y. Filed Oct. 14, 1939.

HELUVA CHEESE

Applicant disclaims the word "Cheese" apart from the other mark as shown.

For Cheese.

Claims use since January, 1935.

Ser. No. 424,564. SUN HARBOR PACKING CORPORATION, San Diego, Calif. Filed Oct. 14, 1939.

WARRANTY

Applicant is the owner of trade-mark registration No. 127,692, dated November 18, 1919.

For Canned Fish.

Claims use since June 14, 1918.

Ser. No. 424,684. H. H. CROUTHAMEL, Quakerstown, Pa. Filed Oct. 19, 1939.

Crouthamel's



For Food Products—Particularly, Potato Chips, Potato Salad, Salad Dressing, and Salted Nuts.

Claims use since October, 1938.

Ser. No. 424,736. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Oct. 20, 1939.

NBC

For Bakery Products—Namely, Biscuit, Crackers, Cookies, Cracker Meal, Cones, Bread, Cakes, Doughnuts, Rolls, and Bran.

Claims use since on or about Jan. 1, 1900, on biscuit, crackers, and cookies; since on or about August, 1923, on cracker meal; since on or about March, 1932, on cones; since on or about Feb. 6, 1938, on bread; since on or about Feb. 15, 1938, on cakes and doughnuts; since on or about July 1, 1938, on rolls; and since on or about Jan. 6, 1939, on bran.

CLASS 47

Wines

Ser. No. 424,458. HAMILTON L. ARNOLD, doing business as Arnold Distributing Company, Austin, Tex. Filed Oct. 12, 1939.

ROSETTA

For Wines.

Claims use since June, 1936.

Ser. No. 424,717. ELLENA BROS., Etiwanda, Calif. Filed Oct. 20, 1939.

Vineyard Belle

For Wines.

Claims use since Oct. 4, 1939.

CLASS 48

Malt Beverages and Liquors

Ser. No. 425,116. KIEWEL BREWING COMPANY, Little Falls, Minn. Filed Nov. 1, 1939.



The drawing is lined for gold.

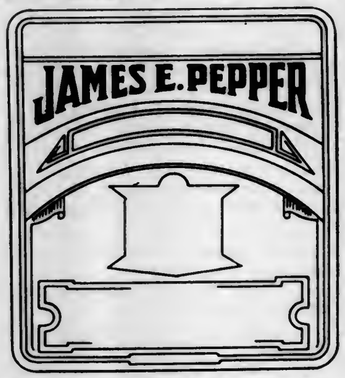
For Beer.

Claims use since June 5, 1907.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 418,531. JAS. E. PEPPER & COMPANY, Lexington, Ky., and New York, N. Y. Filed Apr. 21, 1939.



The outline of the label is disclaimed per se.

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.

Claims use since 1914.

Ser. No. 425,176. ALEXANDER YOUNG DISTILLING COMPANY, Philadelphia, Pa. Filed Nov. 2, 1939.

CLAY PIPE

For Whiskey.

Claims use since Aug. 30, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 12, 1939

373,457. HATS FOR WOMEN AND MISSES. THE HAVERFIELD COMPANY, Columbus, Ohio.
Filed May 3, 1937. Serial No. 392,211. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,458. NECKTIES. BOWEN-INGALLS & CO., INC., New York, N. Y.
Filed July 24, 1937. Serial No. 395,608. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,459. FRESH, SALT, DRIED, SMOKED, CANNED, AND PRESERVED EDIBLE FISH OTHER THAN SALMON AND EDIBLE PRODUCTS THEREOF. AKTIEBOLAGET BRÖDERNE AMELN, Stockholm, Sweden.
Filed August 28, 1937. Serial No. 396,861. PUBLISHED NOVEMBER 29, 1938. Class 46.

373,460. TIRES. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio.
Filed December 24, 1937. Serial No. 401,209. PUBLISHED OCTOBER 3, 1939. Class 35.

373,461. OLEOMARGARINE. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed February 11, 1938. Serial No. 402,928. PUBLISHED MARCH 28, 1939. Class 46.

373,462. WEARING APPAREL FOR WOMEN AND CHILDREN COMPRISING DRESSES, OUTER SKIRTS, BLOUSES, JACKETS, COATS, CAPES, ETC. ANN EDMAN, New York, N. Y.
Filed February 18, 1938. Serial No. 403,173. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,463. COMBINATION SMOKERS' STAND WITH ASH RECEPTACLE, LIGHTERS FOR CIGARS OR CIGARETTES, ETC., SOLD AS A UNIT. FARIES MANUFACTURING COMPANY, Decatur, Ill.
Filed February 18, 1938. Serial No. 403,174. PUBLISHED OCTOBER 3, 1939. Class 8.

373,464. MACARONI AND EGG NOODLES. MINNESOTA MACARONI COMPANY, St. Paul, Minn.
Filed April 18, 1938. Serial No. 405,336. PUBLISHED OCTOBER 3, 1939. Class 46.

373,465. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed May 11, 1938. Serial No. 406,221. PUBLISHED SEPTEMBER 26, 1939. Class 40.

373,466. LEATHER SWEATBANDS FOR USE IN CAPS AND HATS. BRIZEL LEATHER CORPORATION, New York, N. Y.
Filed July 1, 1938. Serial No. 408,090. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,467. DOG FOOD. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed July 12, 1938. Serial No. 408,432. PUBLISHED SEPTEMBER 20, 1938. Class 46.

373,468. CEREAL BREAKFAST FOODS. KELLOGG COMPANY, Battle Creek, Mich.
Filed July 22, 1938. Serial No. 408,803. PUBLISHED OCTOBER 3, 1939. Class 46.

373,469. CANNED TOMATOES. CERRUTI & COMINELLI, New York, N. Y.
Filed July 30, 1938. Serial No. 409,082. PUBLISHED OCTOBER 3, 1939. Class 46.

373,470. SAFETY RAZOR BLADES. GUARDIAN MERCHANDISING CORPORATION, Montreal, Quebec, Canada.
Filed August 6, 1938. Serial No. 409,311. PUBLISHED JANUARY 10, 1939. Class 23.

373,471. METALLURGICAL BATHS SUCH AS SALT MELT BATHS, QUENCHING BATHS, AND THE LIKE, IRON BASKETS AND CONVEYING DEVICES USED IN SUCH METALLURGICAL PROCESSING, AND TONGS AND PLIERS FOR USE IN THE SAME. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT (VORMALS ROESSLER), Frankfort-on-the-Main, Germany.
Filed August 9, 1938. Serial No. 409,392. PUBLISHED OCTOBER 3, 1939. Class 23.

373,472. DESK SETS, COMPRISING CALENDARS, DESK PADS, ROCKER BLOTTERS, LETTER OPENERS, STATIONERY HOLDERS, AND PEN BASES COMPLETE WITH PENS, SOLD BOTH IN SETS AND INDIVIDUALLY. ILLINOIS WATCH CASE COMPANY, doing business as Elgin American Division of Illinois Watch Case Company, Elgin, Ill.
Filed August 12, 1938. Serial No. 409,526. PUBLISHED OCTOBER 3, 1939. Class 37.

373,473. CANNED FISH BALLS, PAPER WRAPPED SPIS BRÖD (SWEDISH HARD BREAD), PAPER WRAPPED CHEESE, CANNED SARDINES, ETC. THE SWEDISH PRODUCE COMPANY, Chicago, Ill.
Filed August 16, 1938. Serial No. 409,660. PUBLISHED APRIL 4, 1939. Class 46.

373,474. HOSIERY. RICHMOND HOSIERY MILLS, Rossville, Ga., assignor to Cherokee Hosiery Mills, Inc., Cleveland, Tenn., a corporation.
Filed August 24, 1938. Serial No. 409,940. PUBLISHED JUNE 20, 1939. Class 39.

373,475. NAIL POLISH. LADY ESTHER, LTD., Chicago, Ill.
Filed October 4, 1938. Serial No. 411,273. PUBLISHED MARCH 28, 1939. Class 6.

373,476. MEN'S SUITS. ALFRED DECKER & COHN, INC., Chicago, Ill.
Filed October 11, 1938. Serial No. 411,483. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,477. PERIODICAL. IDEAL PUBLISHING CORP., New York, N. Y.
Filed October 17, 1938. Serial No. 411,696. PUBLISHED FEBRUARY 14, 1939. Class 38.

373,478. WINES. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.
Filed November 21, 1938. Serial No. 412,995. PUBLISHED FEBRUARY 7, 1939. Class 47.

373,479. SYNTHETIC THREADS, YARN, AND THREAD AND YARN FILAMENTS. AMERICAN VISCOSE CORPORATION, Marcus Hook, Pa.
Filed November 25, 1938. Serial No. 413,095. PUBLISHED SEPTEMBER 12, 1939. Class 43.

373,480. CANNED PEAS. BOZEMAN CANNING COMPANY, Bozeman, Mont., and Mount Vernon, Wash.
Filed December 12, 1938. Serial No. 413,701. PUBLISHED MARCH 28, 1939. Class 46.

373,481. CLOTHING FOR MEN, BOYS, AND CHILDREN—NAMELY, SUITS, COATS, OVERCOATS, OUTER SHIRTS, BLOUSES, ETC. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed December 24, 1938. Serial No. 414,180. PUBLISHED APRIL 11, 1939. Class 39.

373,482. CANNED FOOD PRODUCTS—NAMELY, SALMON, PACIFIC SARDINES AND PILCHARDS, TUNA FISH, SHAD ROE, AND VEGETABLE JUICES FOR FOOD PURPOSES. F. E. BOOTH COMPANY, INC., San Francisco, Calif.
Filed January 3, 1939. Serial No. 414,432. PUBLISHED MARCH 14, 1939. Class 46.

373,483. MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING, PARTICULARLY WOMEN'S HATS, CAPS, AND BERETS, WAISTCOATS, BLOUSES, DRESSES, ETC. BURDINES, INC., Miami, Fla.
Filed January 4, 1939. Serial No. 414,483. PUBLISHED OCTOBER 3, 1939. Class 39.

373,484. REMOVABLE COVERED GLASS AND METAL REFRIGERATOR DISHES. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed January 12, 1939. Serial No. 414,733. PUBLISHED OCTOBER 3, 1939. Class 13.

373,485. GAME OF CHINESE CHECKERS. BROWN MANUFACTURING COMPANY, Clinton, Mo.
Filed January 14, 1939. Serial No. 414,815. PUBLISHED OCTOBER 3, 1939. Class 22.

373,486. SHOULDER STRAPS, HOSIERY TOP ELASTIC BRAIDS, LACE, ELASTIC BRAIDS AND OTHER ELASTIC BRAIDS USED IN THE MANUFACTURE OF ARTICLES OF WEARING APPAREL. THE NARROW FABRIC COMPANY, Reading, Pa.
Filed January 16, 1939. Serial No. 414,882. PUBLISHED SEPTEMBER 26, 1939. Class 40.

373,487. BOOKMARKS. EDWARD M. LA FOND, Milwaukee, Wis.
Filed January 20, 1939. Serial No. 415,096. PUBLISHED OCTOBER 3, 1939. Class 37.

373,488. TANKS IN THE NATURE OF FUEL STORAGE TANKS. CATERPILLAR TRACTOR CO., San Leandro, Calif.
Filed January 23, 1939. Serial No. 415,106. PUBLISHED SEPTEMBER 12, 1939. Class 2.

373,489. NECKTIES. STERN, MERRITT CO., INC., New York, N. Y.
Filed January 27, 1939. Serial No. 415,308. PUBLISHED OCTOBER 3, 1939. Class 39.

373,490. LEATHER SHOES FOR JUVENILES. WEYENBERG SHOE MANUFACTURING COMPANY, doing business as Hubbard Shoe Company, Milwaukee, Wis.
Filed January 30, 1939. Serial No. 415,431. PUBLISHED APRIL 18, 1939. Class 39.

373,491. SYNTHETIC THREADS, YARNS, AND THREAD AND YARN FILAMENTS. AMERICAN VISCOSE CORPORATION, Marcus Hook, Pa.
Filed February 9, 1939. Serial No. 415,814. PUBLISHED SEPTEMBER 12, 1939. Class 43.

373,492. SYNTHETIC THREADS, YARNS, AND THREAD AND YARN FILAMENTS. AMERICAN VISCOSE CORPORATION, Marcus Hook, Pa.
Filed February 9, 1939. Serial No. 415,815. PUBLISHED SEPTEMBER 12, 1939. Class 43.

373,493. SYNTHETIC THREADS, YARNS, AND THREAD AND YARN FILAMENTS. AMERICAN VISCOSE CORPORATION, Marcus Hook, Pa.
Filed February 9, 1939. Serial No. 415,816. PUBLISHED SEPTEMBER 12, 1939. Class 43.

373,494. SYNTHETIC THREADS, YARN, AND THREAD AND YARN FILAMENTS. AMERICAN VISCOSE CORPORATION, Marcus Hook, Pa.
Filed February 9, 1939. Serial No. 415,821. PUBLISHED SEPTEMBER 12, 1939. Class 43.

373,495. SYNTHETIC THREADS, YARNS, AND THREAD AND YARN FILAMENTS. AMERICAN VISCOSE CORPORATION, Marcus Hook, Pa.
Filed February 9, 1939. Serial No. 415,822. PUBLISHED SEPTEMBER 12, 1939. Class 43.

373,496. SYNTHETIC THREADS, YARNS, AND THREAD AND YARN FILAMENTS. AMERICAN VISCOSE CORPORATION, Marcus Hook, Pa.
Filed February 9, 1939. Serial No. 415,823. PUBLISHED SEPTEMBER 12, 1939. Class 43.

373,497. FRESH FRUITS—NAMELY, APPLES, PEARS, PLUMS, PRUNES, STRAWBERRIES, GRAPES, ETC. ARGENTINE FRUIT DISTRIBUTORS SOCIEDAD ANONIMA LIMITADA, Buenos Aires, Argentina.
Filed February 16, 1939. Serial No. 416,089. PUBLISHED OCTOBER 3, 1939. Class 46.

373,498. MOTOR BOATS. GAR WOOD INDUSTRIES, INC., Marysville, Mich.
Filed February 27, 1939. Serial No. 416,461. PUBLISHED JUNE 6, 1939. Class 19.

373,499. WOMEN'S AND GIRLS' DRESSES AND HATS; LADIES' UNDERWEAR—NAMELY, SLIPS, CHEMISES, AND BRASSIÈRES, ETC. FRED ALTSCHULER-PICARD, Lausanne, Switzerland.
Filed March 7, 1939. Serial No. 416,758. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,500. CHILDREN'S COATS, CHILDREN'S SUITS, CHILDREN'S DRESSES, CHILDREN'S HATS; SHOES MADE OF LEATHER, FABRICS, AND COMBINATIONS THEREOF; CHILDREN'S UNDERWEAR, HOSIERY; GLOVES MADE OF LEATHER, FABRIC, COTTON, RAYON, AND SILK. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed March 9, 1939. Serial No. 416,837. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,501. CARTONS, CONSTRUCTED OF CARDBOARD OR OTHER LIKE MATERIAL. JOSEPH J. GELLER, doing business as Carton Craftsmen, Chicago, Ill.
Filed March 9, 1939. Serial No. 416,848. PUBLISHED SEPTEMBER 26, 1939. Class 2.

373,502. GIN AND WHISKEY. AJAX LIQUOR COMPANY, INC., Houston, Tex.
Filed March 11, 1939. Serial No. 416,936. PUBLISHED MAY 9, 1939. Class 49.

373,503. PERIODICAL PUBLICATIONS, PRINTED BOOKS, AND BULLETINS ISSUED AND SOLD AT IRREGULAR INTERVALS. DALE CARNEGIE COURSES, INCORPORATED, New York, N. Y.
Filed March 23, 1939. Serial No. 417,397. PUBLISHED OCTOBER 3, 1939. Class 38.

373,504. PERIODICAL PUBLICATIONS, PRINTED BOOKS, AND BULLETINS ISSUED AND SOLD AT IRREGULAR INTERVALS. DALE CARNEGIE COURSES, INCORPORATED, New York, N. Y.
Filed March 23, 1939. Serial No. 417,398. PUBLISHED OCTOBER 3, 1939. Class 38.

373,505. CARTONS OF PAPER OR CARDBOARD FOR CEREALS AND FLOUR, SAID CARTONS BEING SOLD EMPTY IN TRADE. GENERAL MILLS, INC., Minneapolis, Minn.
Filed March 24, 1939. Serial No. 417,451. PUBLISHED SEPTEMBER 26, 1939. Class 2.

373,506. CARTONS OF PAPER OR CARDBOARD FOR CEREALS AND FLOUR, SAID CARTONS BEING SOLD EMPTY IN TRADE. GENERAL MILLS, INC., Minneapolis, Minn.
Filed March 24, 1939. Serial No. 417,452. PUBLISHED SEPTEMBER 26, 1939. Class 2.

373,507. CARTONS OF PAPER OR CARDBOARD FOR CEREALS AND FLOUR, SAID CARTONS BEING SOLD EMPTY IN TRADE. GENERAL MILLS, INC., Minneapolis, Minn.
Filed March 24, 1939. Serial No. 417,453. PUBLISHED SEPTEMBER 26, 1939. Class 2.

373,508. CARTONS OF PAPER OR CARDBOARD FOR CEREALS AND FLOUR, SAID CARTONS BEING SOLD EMPTY IN TRADE. GENERAL MILLS, INC., Minneapolis, Minn.
Filed March 24, 1939. Serial No. 417,454. PUBLISHED SEPTEMBER 26, 1939. Class 2.

373,509. ELECTRICAL COMBINATION MIXER, LIQUEFIER, AND EMULSIFIER FOR FOODS. THE CHESTER VITAMIZER, INC., Seattle, Wash.
Filed March 25, 1939. Serial No. 417,487. PUBLISHED OCTOBER 3, 1939. Class 21.

373,510. GOLD STAMPING FOIL. HASTINGS & CO., Philadelphia, Pa.
Filed March 28, 1939. Serial No. 417,576. PUBLISHED OCTOBER 3, 1939. Class 14.

373,511. NON-CAFFEINE FOOD BEVERAGE MADE OF WHEAT, BRAN, AND SOY BEANS, USED AS A SUBSTITUTE FOR COFFEE. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn.
Filed April 1, 1939. Serial No. 417,782. PUBLISHED OCTOBER 3, 1939. Class 46.

373,512. BOOTS AND SHOES ESPECIALLY DESIGNED FOR LOGGING AND THE LIKE, AND MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed April 1, 1939. Serial No. 417,786. PUBLISHED OCTOBER 3, 1939. Class 39.

373,513. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed April 10, 1939. Serial No. 418,073. PUBLISHED OCTOBER 3, 1939. Class 47.

373,514. WORK GLOVES. WILLIAM T. H. AYRES, doing business as Ayres Manufacturing Company, Indianapolis, Ind.
Filed April 17, 1939. Serial No. 418,324. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,515. METAL CLIPS INTENDED TO BE USED IN PLACE OF PINS OR SIMILAR FASTENING DEVICES FOR KEEPING IN FOLDED CONDITION SHIRTS, UNDERWEAR, OR OTHER FOLDED MERCHANDISE AND USED FOR FASTENING OR HOLDING TOGETHER SEPARATE PIECES OR SEVERAL LAYERS OF FABRICS OR OTHER SUITABLE MERCHANDISE. WALDES KOH-I-NOOR, INC., Long Island City, N. Y.
Filed April 22, 1939. Serial No. 418,613. PUBLISHED JULY 18, 1939. Class 40.

373,516. LADIES' AND CHILDREN'S HATS. CHARLES KARTIGANER, doing business as Kartiganer & Co., New York, N. Y.
Filed April 25, 1939. Serial No. 418,685. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,517. TOILET SEATS. J. HITTNER & SON, INC., New York, N. Y.
Filed April 27, 1939. Serial No. 418,758. PUBLISHED OCTOBER 3, 1939. Class 13.

373,518. HANDKERCHIEFS. MARGUERITE BEHMAN, New York, N. Y., assignor to Mildred W. Harris, New York, N. Y.
Filed April 28, 1939. Serial No. 418,804. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,519. FISH LURES. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed April 28, 1939. Serial No. 418,832. PUBLISHED OCTOBER 3, 1939. Class 22.

373,520. PAINTS IN READY MIXED FORM. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed May 3, 1939. Serial No. 419,046. PUBLISHED OCTOBER 3, 1939. Class 16.

373,521. EMBLEMS, PATCHES, LETTERS, NUMERALS, AND ORNAMENTAL FIGURES MADE OF FELT OR TEXTILE FABRIC SUITABLE FOR ATTACHMENT TO GARMENTS AND TEXTILE MATERIALS. GUMAKERS OF AMERICA, INC., Clifton Heights, Pa.
Filed May 5, 1939. Serial No. 419,114. PUBLISHED SEPTEMBER 26, 1939. Class 40.

373,522. CAMERAS. MATCH KING, INC., Chicago, Ill.
Filed May 6, 1939. Serial No. 419,150. PUBLISHED OCTOBER 3, 1939. Class 26.

373,523. LEATHER AND CLOTH SHOES. GIVEN BROS. SHOE CO., El Paso, Tex.; Phoenix, Tucson, Bisbee, Douglas, and Globe, Ariz.; Albuquerque and Las Cruces, N. Mex.; and Trinidad, Colo.
Filed May 8, 1939. Serial No. 419,189. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,524. MEN'S AND WOMEN'S LEATHER SANDALS. SHELTON-WARD LTD., Los Angeles, Calif.
Filed May 8, 1939. Serial No. 419,198. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,525. WIRE ROPE. GARBA, INC., New York, N. Y.
Filed May 11, 1939. Serial No. 419,300. PUBLISHED SEPTEMBER 26, 1939. Class 7.

373,526. NONALCOHOLIC, MALTLESS BEVERAGES. CACTUS PETE, INC., New York, N. Y.
Filed May 13, 1939. Serial No. 419,367. PUBLISHED OCTOBER 3, 1939. Class 45.

373,527. MEN'S AND BOYS' SHOES MADE OF LEATHER, FABRIC, AND RUBBER; MEN'S, WOMEN'S, AND CHILDREN'S CAPS AND HATS. SARNOFF-IAVINO, INC., New York, N. Y.
Filed May 15, 1939. Serial No. 419,446. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,528. SAND AND SILICA SAND. STANDARD SILICA CORPORATION, Ottawa, Ill.
Filed May 15, 1939. Serial No. 419,455. PUBLISHED OCTOBER 3, 1939. Class 1.

373,529. COFFEE. ALBERT EHLERS, INC., Brooklyn, N. Y.
Filed May 17, 1939. Serial No. 419,504. PUBLISHED OCTOBER 3, 1939. Class 46.

373,530. TIRE CORD. CALLAWAY MILLS, La Grange, Ga.
Filed May 18, 1939. Serial No. 419,545. PUBLISHED SEPTEMBER 19, 1939. Class 7.

373,531. BOYS' AND MEN'S SUITS, SPORTCOATS, TUXEDOS, OVERCOATS, TOPCOATS, TROUSERS, VESTS, HATS, OUTER SHIRTS, AND UNDER SHIRTS. CRANE AND CRANE CLOTHES, New York, N. Y.
Filed May 18, 1939. Serial No. 419,549. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,532. INFANTS' SHOES MADE OF LEATHER, FELT, AND FABRIC. WIZARD LIGHTFOOT APPLIANCE COMPANY, St. Louis, Mo., assignor to J. C. Penney Company, New York, N. Y., a corporation of Delaware.
Filed May 18, 1939. Serial No. 419,567. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,533. WEARING APPAREL FOR WOMEN, GIRLS, AND LITTLE CHILDREN—NAMELY, BATHING SUITS, BEACH WRAPS, BEACH HATS, ETC. EDNA M. HULL, Daytona Beach, Fla., and Kennebunkport, Maine.
Filed May 17, 1939. Serial No. 419,601. PUBLISHED SEPTEMBER 5, 1939. Class 39.

373,534. CIGARETTE CASES MADE OF BASE METAL. HARRY RICHMAN NOVELTIES CORP., New York, N. Y.
Filed May 23, 1939. Serial No. 419,734. PUBLISHED OCTOBER 3, 1939. Class 8.

373,535. BREAD. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash.
Filed May 25, 1939. Serial No. 419,800. PUBLISHED OCTOBER 3, 1939. Class 46.

373,536. MILITARY BRUSHES, HAIR BRUSHES, AND HAIR BRUSH SETS. NEW YORK MERCHANDISE CO., INC., New York, N. Y.
Filed May 25, 1939. Serial No. 419,817. PUBLISHED OCTOBER 3, 1939. Class 29.

373,537. INKS FOR WRITING ON BLUE PRINTS, DRAWING SURFACES, AND OTHER WRITING SURFACES. INSTO BLUEPRINT INK COMPANY, Salt Lake City, Utah.
Filed May 27, 1939. Serial No. 419,917. PUBLISHED SEPTEMBER 12, 1939. Class 11.

373,538. ROOT OR PLANT-GROWTH STIMULATING COMPOSITIONS, IN POWDER FORM OR AQUEOUS SOLUTION THEREOF. CARLETON ELLIS, Montclair, N. J.
Filed June 5, 1939. Serial No. 420,169. PUBLISHED SEPTEMBER 12, 1939. Class 10.

373,539. OIL-WELL AND OIL-FIELD TOOLS AND EQUIPMENT—NAMELY, STEEL DERRICKS, RIG FRONTS, CROWN BLOCKS, ETC. MUSKOGEE IRON WORKS, Muskogee, Okla.
Filed June 5, 1939. Serial No. 420,182. PUBLISHED OCTOBER 3, 1939. Class 23.

373,540. MOTION PICTURE PROJECTORS. AKELEY LEVENTHAL CORP., New York, N. Y.
Filed June 6, 1939. Serial No. 420,206. PUBLISHED OCTOBER 3, 1939. Class 26.

373,541. CHARTS IN THE NATURE OF PRINTED BLANKS. OCTOGRAPHS, INC., Dayton, Ohio.
Filed June 10, 1939. Serial No. 420,386. PUBLISHED OCTOBER 3, 1939. Class 37.

373,542. HATS MADE OF FELT OR STRAW FOR MEN AND WOMEN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed June 14, 1939. Serial No. 420,503. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,543. BOOKS SPECIALLY BOUND FOR LIBRARY USE. THE JOHN C. WINSTON COMPANY, Philadelphia, Pa.
Filed June 16, 1939. Serial No. 420,571. PUBLISHED SEPTEMBER 26, 1939. Class 38.

373,544. PEAT MOSS. HYPER-HUMUS COMPANY, Lafayette, N. J.
Filed June 16, 1939. Serial No. 420,584. PUBLISHED SEPTEMBER 19, 1939. Class 1.

373,545. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. LOUIS MEYERS & SON, INC., New York, N. Y.
Filed June 16, 1939. Serial No. 420,592. PUBLISHED OCTOBER 3, 1939. Class 39.

373,546. THREADS AND YARNS. CENTRAL YARN CO. INC., New York, N. Y.
Filed June 17, 1939. Serial No. 420,624. PUBLISHED SEPTEMBER 12, 1939. Class 43.

373,547. DE LUXE AND IMPERIAL CURTAINS (THESE TERMS DIFFERENTIATE QUALITIES OF GOODS). THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., Denver, Colo., and St. Louis, Mo.
Filed June 20, 1939. Serial No. 420,722. PUBLISHED OCTOBER 3, 1939. Class 42.

373,548. PAPER BOXES AND FOLDERS USED AS MERCHANDISE AND GIFT RECEPTACLES. AUTOMATIC PAPER BOX CORP., Chicago, Ill.
Filed June 21, 1939. Serial No. 420,744. PUBLISHED SEPTEMBER 19, 1939. Class 2.

373,549. CANNED FRUIT JUICES FOR FOOD PURPOSES, CANNED VEGETABLE JUICES FOR FOOD PURPOSES. BARRON-GRAY PACKING COMPANY, San Jose, Calif.
Filed June 21, 1939. Serial No. 420,746. PUBLISHED OCTOBER 3, 1939. Class 46.

373,550. STAMPED GOODS AND ART NEEDLEWORK PACKAGE OUTFITS CONTAINING FOUNDATION MATERIAL, STAMPED OR OTHERWISE SUITABLY PREPARED, AND ART NEEDLEWORK SUPPLIES TO BE USED IN CONNECTION THEREWITH. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed June 21, 1939. Serial No. 420,749. PUBLISHED AUGUST 29, 1939. Class 40.

373,551. NECKTIES AND MUFFLERS. HIPSH, INC., Kansas City, Mo.
Filed June 22, 1939. Serial No. 420,820. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,552. ELECTRIC LAMPS FOR USE IN DENTAL, SURGICAL, AND OPTICAL INSTRUMENTS AND APPARATUS. KENNEDY-WEBSTER ELECTRIC COMPANY, Chicago, Ill.
Filed June 22, 1939. Serial No. 420,822. PUBLISHED OCTOBER 3, 1939. Class 21.

373,553. SECTION OF A PERIODICAL PUBLICATION. BUSINESS EXECUTIVE PUBLICATIONS, INC., Washington, D. C.
Filed June 26, 1939. Serial No. 420,935. PUBLISHED OCTOBER 3, 1939. Class 38.

373,554. CHAIN AND PULLEY APPARATUS FOR OPENING AND CLOSING FREIGHT-CAR DOORS AND THE LIKE. THE MINING SAFETY DEVICE COMPANY, Bowerston, Ohio.
Filed June 26, 1939. Serial No. 420,962. PUBLISHED OCTOBER 3, 1939. Class 23.

373,555. PLATE STANDS OF PLASTIC OR LIKE MATERIALS. W. & F. MANUFACTURING CO., New York, N. Y.
Filed June 27, 1939. Serial No. 421,016. PUBLISHED OCTOBER 3, 1939. Class 50.

373,556. PERIODICAL PUBLICATION. FOX PUBLICATIONS, INC., New York, N. Y.
Filed June 28, 1939. Serial No. 421,034. PUBLISHED OCTOBER 3, 1939. Class 38.

373,557. TUXEDO AND DRESS CLOTHING FOR MEN, SUCH AS TROUSERS, COATS, VESTS, CUMMERBUNDS, NECKTIES, BOWTIES, CRAVATS, HATS, AND DRESS SHIRTS. LARRY R. ENGELSON, New York, N. Y.
Filed June 29, 1939. Serial No. 421,071. PUBLISHED SEPTEMBER 12, 1939. Class 39.

373,558. EYE SHADES. EYE SHADE CORPORATION OF AMERICA, Cleveland, Ohio.
Filed June 29, 1939. Serial No. 421,072. PUBLISHED OCTOBER 3, 1939. Class 26.

373,559. FROZEN FISH, AND FROZEN FRUITS AND VEGETABLES AS BERRIES, CORN, PEAS, ASPARAGUS, CAULIFLOWER, AND BROCCOLI. FRIGID FOOD PRODUCTS, INC., Detroit, Mich.
Filed June 30, 1939. Serial No. 421,137. PUBLISHED OCTOBER 3, 1939. Class 46.

373,560. NONALCOHOLIC, MALTLESS BEVERAGES AND EXTRACTS AND FLAVORS FOR MAKING THE SAME. THEALL & PILE, INC., New York, N. Y.
Filed June 30, 1939. Serial No. 421,167. PUBLISHED OCTOBER 3, 1939. Class 45.

373,561. HEEL PADS AND INNER SOLE CUSHIONS FOR SHOES. AIRFILM CORPORATION, Detroit, Mich.
Filed July 1, 1939. Serial No. 421,172. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,562. WINES. J. H. & J. BROOKE LTD., London, England.
Filed July 1, 1939. Serial No. 421,176. PUBLISHED OCTOBER 3, 1939. Class 47.

373,563. MISSES' AND CHILDREN'S HATS. GREENBERG-FISCH INC., New York, N. Y.
Filed July 1, 1939. Serial No. 421,185. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,564. MISSES' AND CHILDREN'S HATS. GREENBERG-FISCH INC., New York, N. Y.
Filed July 1, 1939. Serial No. 421,186. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,565. NEOPRENE, A RUBBER-LIKE COMPOSITION OF POLYMERIZED CHLOROPRENE. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 30, 1939. Serial No. 421,222. PUBLISHED OCTOBER 3, 1939. Class 1.

373,566. CELLULOSE BOTTLE AND RECEPTACLE CLOSURES, LACQUERED FABRICS, NEOPRENE-COATED FABRICS, PARAFFIN-COATED FABRICS, ETC. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 30, 1939. Serial No. 421,224. PUBLISHED OCTOBER 3, 1939. Class 50.

373,567. CORDAGE INTENDED FOR USE IN AUTOMOBILE TIRES. WEST BOYLSTON MFG. COMPANY OF ALABAMA, West Boylston, Ala.
Filed July 3, 1939. Serial No. 421,271. PUBLISHED SEPTEMBER 12, 1939. Class 7.

373,568. BAGGAGE—NAMELY, HANDBAGS, WARDROBE TRUNKS, CARRYING CASES, SUITCASES, VALISES; ANIMAL EQUIPMENTS — NAMELY, DOG COLLARS, SADDLES, BRIDLES, REINS, LEASHES; PORTFOLIOS, WALLETS, AND POCKETBOOKS. SIEGFRIED MEYER, doing business as Simpak Luggage Co., New York, N. Y.
Filed July 6, 1939. Serial No. 421,315. PUBLISHED OCTOBER 3, 1939. Class 3.

373,569. DRESSES, SUNSUITS, BATHROBES, PAJAMAS, SLEEPING GARMENTS, OVERALLS, PLAYSUITS, HATS, SUITS, CREEPER SUITS, ROMPERS, AND BONNETS FOR CHILDREN, MADE OF KNITTED, NETTED, TEXTILE, OR RUBBERIZED FABRICS. BEST & CO. INC., New York, N. Y.
Filed July 7, 1939. Serial No. 421,336. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,570. CHARGING PLANTS—NAMELY, AIR COMPRESSORS, FOR FILLING NON-DESTRUCTIBLE CARTRIDGES WITH COMPRESSED AIR FOR BLASTING PURPOSES, AND REPLACEMENT PARTS THEREFOR. CARDOX CORPORATION, Chicago, Ill.
Filed July 7, 1939. Serial No. 421,339. PUBLISHED OCTOBER 3, 1939. Class 23.

373,571. BOOKS AND REPRODUCTIONS OF PAINTINGS. FREDERICK T. FISHER, doing business as National Art Society, New York, N. Y.
Filed July 7, 1939. Serial No. 421,343. PUBLISHED SEPTEMBER 26, 1939. Class 38.

373,572. LEATHER. ALBERT TROSTEL & SONS COMPANY, Milwaukee, Wis.
Filed July 7, 1939. Serial No. 421,360. PUBLISHED OCTOBER 3, 1939. Class 1.

373,573. FELT IN THE PIECE. THE FELTERS COMPANY, Boston, Mass.
Filed July 8, 1939. Serial No. 421,378. PUBLISHED OCTOBER 3, 1939. Class 50.

373,574. PHOTOGRAPHIC APPARATUS COMPRISING CAMERAS, FILTERS, ENLARGING EQUIPMENT, PLATE AND FILM HOLDERS, ETC. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y.
Filed July 8, 1939. Serial No. 421,379. PUBLISHED OCTOBER 3, 1939. Class 26.

373,575. GAMES PLAYED WITH CHIPS. VOLUME SPRAYER MFG. CO., INC., Tulsa, Okla., assignor to Parker Brothers, Incorporated, Salem, Mass., a corporation of Maine.
Filed July 8, 1939. Serial No. 421,405. PUBLISHED OCTOBER 3, 1939. Class 22.

373,576. PRINTED PUBLICATIONS FOR THE FRUIT AND VEGETABLE INDUSTRY ISSUED AT IRREGULAR INTERVALS. B. M. YOUNG, Philadelphia, Pa.
Filed July 8, 1939. Serial No. 421,409. PUBLISHED SEPTEMBER 26, 1939. Class 38.

373,577. CANNED PINEAPPLE. ARTHUR SERRA & COMPANY, Chicago, Ill.
Filed July 10, 1939. Serial No. 421,438. PUBLISHED OCTOBER 3, 1939. Class 46.

373,578. CANNED PINEAPPLE. ARTHUR SERRA & COMPANY, Chicago, Ill.
Filed July 10, 1939. Serial No. 421,439. PUBLISHED OCTOBER 3, 1939. Class 46.

373,579. WHEAT FLOUR. NORFOLK CEREAL AND FLOUR MILLS COMPANY, Norfolk, Nebr.
Filed July 12, 1939. Serial No. 421,491. PUBLISHED OCTOBER 3, 1939. Class 46.

373,580. SENSITIZED PHOTOGRAPHIC AND MOTION PICTURE FILMS, SENSITIZED PHOTOGRAPHIC PLATES, ETC. PHOTO DEVELOPING, INC., Cincinnati, Ohio.
Filed July 13, 1939. Serial No. 421,532. PUBLISHED OCTOBER 3, 1939. Class 26.

373,581. SENSITIZED PHOTOGRAPHIC AND MOTION PICTURE FILMS, SENSITIZED PHOTOGRAPHIC PLATES, ETC. PHOTO DEVELOPING, INC., Cincinnati, Ohio.
Filed July 13, 1939. Serial No. 421,534. PUBLISHED OCTOBER 3, 1939. Class 26.

373,582. THREADS. BELDING HEMINWAY COMPANY, New York, N. Y.
Filed July 14, 1939. Serial No. 421,559. PUBLISHED SEPTEMBER 19, 1939. Class 43.

373,583. ELECTRIC MOTOR-CLUTCHES, INCLUDING MOTORS AND CONTROLS THEREFOR. DYNAMATIC CORPORATION, Kenosha, Wis.
Filed July 14, 1939. Serial No. 421,567. PUBLISHED OCTOBER 3, 1939. Class 21.

373,584. FUR SKINS. GOLD & BERNSTEIN, INC., New York, N. Y.
Filed July 14, 1939. Serial No. 421,571. PUBLISHED OCTOBER 3, 1939. Class 1.

373,585. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. HI-GRADE EXTRACT CO., Chicago, Ill.
Filed July 15, 1939. Serial No. 421,611. PUBLISHED OCTOBER 3, 1939. Class 45.

373,586. IRON AND STEEL CASTINGS. EDWARD S. DILLEY, doing business as Standard Brake Shoe & Foundry Co., Pine Bluff, Ark.
Filed July 17, 1939. Serial No. 421,645. PUBLISHED OCTOBER 3, 1939. Class 14.

373,587. WOOD SCREWS, MACHINE SCREWS, SHEET METAL SCREWS, DRIVE SCREWS, BOLTS AND NUTS. EAGLE LOCK COMPANY, Terryville, Conn.
Filed July 20, 1939. Serial No. 421,766. PUBLISHED OCTOBER 3, 1939. Class 13.

373,588. WOOLEN PIECE GOODS. FORSTMANN WOOLEN COMPANY, Passaic, N. J.
Filed July 21, 1939. Serial No. 421,802. PUBLISHED OCTOBER 3, 1939. Class 42.

373,589. WATER TUBE BOILERS. OIL CITY BOILER WORKS, Oil City, Pa.
Filed July 21, 1939. Serial No. 421,811. PUBLISHED OCTOBER 3, 1939. Class 34.

373,590. ENAMELED OILCLOTH AND PYROXYLIN COATED OILCLOTH. WADSWORTH & WOODMAN COMPANY, Winthrop, Maine, and New York, N. Y.
Filed July 21, 1939. Serial No. 421,830. PUBLISHED SEPTEMBER 19. 1939. Class 20.

373,591. THREADS, INCLUDING SILK, COTTON, AND SYNTHETIC THREADS. BELDING HEMINWAY COMPANY, New York, N. Y.
Filed July 22, 1939. Serial No. 421,840. PUBLISHED SEPTEMBER 26, 1939. Class 43.

373,592. RUGS, PADS, MATS, AND STRIPS OF FIBRE FOR HOUSEHOLD, DISPLAY, AND VEHICLE USE. F. BURKART MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 22, 1939. Serial No. 421,843. PUBLISHED OCTOBER 3, 1939. Class 42.

373,593. MEN'S NECKTIES. DETROIT SUSPENDER & BELT CO., Detroit, Mich.
Filed July 22, 1939. Serial No. 421,847. PUBLISHED OCTOBER 3, 1939. Class 39.

373,594. FISHING LURES OR BAIT. PAUL M. EABY, Lancaster, Pa.
Filed July 22, 1939. Serial No. 421,848. PUBLISHED OCTOBER 3, 1939. Class 22.

373,595. LEATHER SHOES. C. W. MARKS SHOE CO., Chicago, Ill.
Filed July 22, 1939. Serial No. 421,855. PUBLISHED OCTOBER 3, 1939. Class 39.

373,596. HAND OPERATED CLOTHES WASHER. CARL A. SIEWECK, Long Island City, N. Y.
Filed July 22, 1939. Serial No. 421,864. PUBLISHED OCTOBER 3, 1939. Class 24.

373,597. MEN'S AND BOYS' STRAW HATS. CARADINE HAT COMPANY, St. Louis, Mo.
Filed July 24, 1939. Serial No. 421,871. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,598. UMBRELLAS. POLAN, KATZ AND COMPANY, Baltimore, Md.
Filed July 24, 1939. Serial No. 421,901. PUBLISHED SEPTEMBER 26, 1939. Class 41.

373,599. WOMEN'S, GIRLS', AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. WOHL SHOE COMPANY, St. Louis, Mo.
Filed July 24, 1939. Serial No. 421,915. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,600. FRESH CITRUS FRUIT, FRESH DECIDUOUS FRUIT, AND FRESH GRAPES. CONSOLIDATED PRODUCE CO., LTD., Los Angeles, Calif.
Filed July 25, 1939. Serial No. 421,929. PUBLISHED OCTOBER 3, 1939. Class 46.

373,601. WOMEN'S, GIRLS', AND CHILDREN'S WEARING APPAREL AND ACCESSORIES—NAMELY, COATS, SUITS, DRESSES, HATS, BLOUSES, SWEATERS, OUTER SKIRTS, UNDERWEAR, NEGLIGEES, GLOVES MADE OF LEATHER AND FABRIC, HOSIERY, SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF, AND SCARFS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed July 25, 1939. Serial No. 421,935. PUBLISHED OCTOBER 3, 1939. Class 39.

373,602. FRESH VEGETABLES. GROWERS INCORPORATED, Salinas, Calif.
Filed July 25, 1939. Serial No. 421,937. PUBLISHED OCTOBER 3, 1939. Class 46.

373,603. VITAMIN CONTAINING PREPARATION FOR USE AS A SUPPLEMENT TO POULTRY AND LIVESTOCK FEED. NUTRITIONAL RESEARCH ASSOCIATES, INC., South Whitley, Ind.
Filed July 25, 1939. Serial No. 421,944. PUBLISHED OCTOBER 3, 1939. Class 46.

373,604. RUGS AND CARPETS. L. BAMBERGER & CO., Newark, N. J.
Filed July 26, 1939. Serial No. 421,960. PUBLISHED OCTOBER 3, 1939. Class 42.

373,605. RUGS AND CARPETS. L. BAMBERGER & CO., Newark, N. J.
Filed July 26, 1939. Serial No. 421,962. PUBLISHED OCTOBER 3, 1939. Class 42.

373,606. METAL DRAINAGE PIPE AND CULVERTS. REPUBLIC STEEL CORPORATION, Cleveland, Ohio.
Filed July 26, 1939. Serial No. 421,979. PUBLISHED OCTOBER 3, 1939. Class 13.

373,607. LEATHER BOOTS, SHOES, AND SLIPPERS FOR MEN, WOMEN, AND CHILDREN. HOWARD S. RUE & SONS, INC., Philadelphia, Pa.
Filed July 26, 1939. Serial No. 421,983. PUBLISHED SEPTEMBER 19, 1939. Class 39.

373,608. SLIDE OPERATED FASTENERS. STANDARD PRODUCTS CORPORATION, New York, N. Y.
Filed July 26, 1939. Serial No. 421,985. PUBLISHED OCTOBER 3, 1939. Class 13.

373,609. WOMEN'S, LADIES', AND GIRLS' SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. A. DE PINNA CO., INC., New York, N. Y.
Filed July 28, 1939. Serial No. 422,044. PUBLISHED OCTOBER 3, 1939. Class 39.

373,610. WOMEN'S HATS. DANIEL LEVIN, doing business as Dan Levin Co., San Francisco, Calif.
Filed July 28, 1939. Serial No. 422,060. PUBLISHED OCTOBER 3, 1939. Class 39.

373,611. GLOVES MADE OF LEATHER AND FABRIC. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., Denver, Colo., and St. Louis, Mo.
Filed July 28, 1939. Serial No. 422,063. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,612. FERTILIZERS. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md.
Filed July 31, 1939. Serial No. 422,125. PUBLISHED OCTOBER 3, 1939. Class 10.

373,613. LAUNDRY, TEXTILE, AND OTHER INDUSTRIAL SOAPS, IN FLAKES, BAR, POWDER, LIQUID, OR PASTE FORM. HARRY J. THEOBALD, doing business as Industrial Soap Works, Kearny, N. J.
Filed July 31, 1939. Serial No. 422,161. PUBLISHED OCTOBER 3, 1939. Class 4.

373,614. RAYON YARNS. AMERICAN ENKA CORPORATION, Enka, N. C.
Filed August 1, 1939. Serial No. 422,165. PUBLISHED SEPTEMBER 2, 1939. Class 43.

373,615. PRINTING INK. GENERAL PRINTING INK CORPORATION, New York, N. Y.
Filed August 3, 1939. Serial No. 422,239. PUBLISHED SEPTEMBER 19, 1939. Class 11.

373,616. SOAPS. F. REINITZ & CO. INC., New York and Long Island City, N. Y.
Filed August 3, 1939. Serial No. 422,258. PUBLISHED OCTOBER 3, 1939. Class 4.

373,617. LADIES' HANDBAGS AND POCKETBOOKS. DIAMOND, GOLDMANN & ROTHENSTEIN, INCORPORATED, New York, N. Y.
Filed August 4, 1939. Serial No. 422,276. PUBLISHED SEPTEMBER 19, 1939. Class 3.

373,618. GENERAL INDUSTRIAL FINISHES—NAMELY, VARNISHES, READY-MIXED PAINTS, PAINT ENAMELS, AND LACQUERS. GRAND RAPIDS VARNISH CORPORATION, Grand Rapids, Mich.
Filed August 4, 1939. Serial No. 422,282. PUBLISHED OCTOBER 3, 1939. Class 16.

373,619. MEN'S AND BOYS' SUITS, COATS, VESTS, TROUSERS, OVERCOATS, DRESS SUITS, AND SCARFS. BAKER CLOTHES INC., Philadelphia, Pa.
Filed August 3, 1939. Serial No. 422,309. PUBLISHED OCTOBER 3, 1939. Class 39.

373,620. LAUNDRY WASHING MACHINES. JORDAN MARSH COMPANY, Boston, Mass.
Filed August 5, 1939. Serial No. 422,329. PUBLISHED SEPTEMBER 19, 1939. Class 24.

373,621. ALCOHOLIC CORDIALS. KRAUS BROS. & CO. INC., New York, N. Y.
Filed August 5, 1939. Serial No. 422,331. PUBLISHED OCTOBER 3, 1939. Class 49.

373,622. ALCOHOLIC CORDIALS. KRAUS BROS. & CO. INC., New York, N. Y.
Filed August 5, 1939. Serial No. 422,332. PUBLISHED OCTOBER 3, 1939. Class 49.

373,623. ALCOHOLIC CORDIALS. KRAUS BROS. & CO. INC., New York, N. Y.
Filed August 5, 1939. Serial No. 422,333. PUBLISHED OCTOBER 3, 1939. Class 49.

373,624. ALCOHOLIC CORDIALS. KRAUS BROS. & CO. INC., New York, N. Y.
Filed August 5, 1939. Serial No. 422,335. PUBLISHED OCTOBER 3, 1939. Class 49.

373,625. ALCOHOLIC CORDIALS. KRAUS BROS. & CO. INC., New York, N. Y.
Filed August 5, 1939. Serial No. 422,336. PUBLISHED OCTOBER 3, 1939. Class 49.

373,626. ALCOHOLIC CORDIALS. KRAUS BROS. & CO. INC., New York, N. Y.
Filed August 5, 1939. Serial No. 422,337. PUBLISHED OCTOBER 3, 1939. Class 49.

373,627. MEN'S AND BOYS' SUITS, COATS, VESTS, TROUSERS, OVERCOATS, DRESS SUITS, AND SCARFS. BAKER CLOTHES, INC., Philadelphia, Pa.
Filed August 5, 1939. Serial No. 422,350. PUBLISHED OCTOBER 3, 1939. Class 39.

373,628. MEN'S AND BOYS' STRAW AND STRAW FIBRE HATS. CARADINE HAT COMPANY, St. Louis, Mo.
Filed August 7, 1939. Serial No. 422,356. PUBLISHED OCTOBER 3, 1939. Class 39.

373,629. TYPEWRITER TYPE AND ROLLER CLEANER. WALTER G. GIES, doing business as Walter G. Gies Company, Baltimore, Md.
Filed August 7, 1939. Serial No. 422,359. PUBLISHED OCTOBER 3, 1939. Class 4.

373,630. SURFACE COVERING MATERIAL IN THE FORM OF LINOLEUM, OIL CLOTH, OR OTHER LIKE COMPOSITION FOR USE ON FURNITURE—NAMELY, TABLES, DRESSERS, DRESSERETTES, CABINETS, DESKS, BOOTHWORK, SUCH AS BEAUTY PARLOR FIXTURES AND BOOTHS. MODECRAFT CO. INC., Long Island City, N. Y.
Filed August 7, 1939. Serial No. 422,369. PUBLISHED SEPTEMBER 19, 1939. Class 20.

373,631. WOMEN'S HATS. WM. KNOWLTON & SONS COMPANY, INC., doing business as Thornton, West Upton, Mass.
Filed August 8, 1939. Serial No. 422,410. PUBLISHED OCTOBER 3, 1939. Class 39.

373,632. WOMEN'S HATS. WM. KNOWLTON & SONS COMPANY, INC., doing business as Brewster, West Upton, Mass.
Filed August 8, 1939. Serial No. 422,411. PUBLISHED OCTOBER 3, 1939. Class 39.

373,633. LADIES' HATS. WALTER NELKIN, doing business as Frances-Walter Nelkin Co., New York, N. Y.
Filed August 8, 1939. Serial No. 422,415. PUBLISHED OCTOBER 3, 1939. Class 39.

373,634. ELECTRICAL AMPLIFYING APPARATUS, MICROPHONES, TELEPHONE RECEIVERS, BATTERIES FOR PORTABLE AMPLIFYING APPARATUS, AND PARTS, SUPPLIES, AND ACCESSORIES FOR AMPLIFYING APPARATUS. VACOLITE COMPANY, Dallas, Tex.
Filed August 8, 1939. Serial No. 422,428. PUBLISHED OCTOBER 3, 1939. Class 21.

373,635. ELECTRICAL AMPLIFYING APPARATUS, MICROPHONES, TELEPHONE RECEIVERS, BATTERIES FOR PORTABLE AMPLIFYING APPARATUS, AND PARTS, SUPPLIES, AND ACCESSORIES FOR AMPLIFYING APPARATUS. VACOLITE COMPANY, Dallas, Tex.
Filed August 8, 1939. Serial No. 422,430. PUBLISHED OCTOBER 3, 1939. Class 21.

373,636. WHEAT FLOUR. DIXIE-PORTLAND FLOUR CO., doing business as Panda Flour Co., Memphis, Tenn.
Filed August 9, 1939. Serial No. 422,441. PUBLISHED OCTOBER 3, 1939. Class 46.

373,637. TEXTILE THREADS, INCLUDING SILK, COTTON, AND SYNTHETIC THREADS. BELDING HEMINWAY COMPANY, New York, N. Y.
Filed July 11, 1939. Serial No. 421,445. PUBLISHED SEPTEMBER 19, 1939. Class 43.

373,638. CONCRETE JARS AND VASES. HAROLD HORINE AND M. M. HORINE, South Hollister, Mo.
Filed July 12, 1939. Serial No. 421,482. PUBLISHED SEPTEMBER 26, 1939. Class 2.

373,639. PLANT FOOD (HYDROPONIC CHEMICALS FOR SOIL OR SOILLESS CULTURE). HYDROPONIC CHEMICAL COMPANY INC., New York, N. Y.
Filed July 12, 1939. Serial No. 421,483. PUBLISHED SEPTEMBER 5, 1939. Class 10.

373,640. GLUE. SWIFT AND COMPANY, Chicago, Ill.
Filed August 10, 1939. Serial No. 422,492. PUBLISHED SEPTEMBER 26, 1939. Class 5.

373,641. SHORTENING MADE FROM VEGETABLE OILS. THE HUMKO CO., Memphis, Tenn.
Filed August 11, 1939. Serial No. 422,512. PUBLISHED OCTOBER 3, 1939. Class 46.

373,642. SOUND POSTS FOR ALL STRING INSTRUMENTS. GIUSEPPE VIRZI, New York, N. Y.
Filed August 11, 1939. Serial No. 422,530. PUBLISHED OCTOBER 3, 1939. Class 36.

373,643. WINDOW CURTAINS. BARTMANN & BIXER INC., New York, N. Y.
Filed August 15, 1939. Serial No. 422,612. PUBLISHED OCTOBER 3, 1939. Class 42.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

373,644. (CLASS 39. CLOTHING.) FRANCO CORSET COMPANY, New York, N. Y. Filed Apr. 5, 1938. Serial No. 404,891.

French Fashions by Franco

For Foundations, Girdles, and Step-in Corsets.
Claims use since Mar. 25, 1938.

373,645. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed June 4, 1938. Serial No. 407,099.

KORELUG

For Electrical Apparatus and More Particularly for Electrical Terminals.
Claims use since Nov. 1, 1929.

373,646. (CLASS 39. CLOTHING.) STERN & HERFF CORP., New York, N. Y. Filed June 24, 1938. Serial No. 407,887.

Downylaine

For Children's Coats and Snow Suits of a Substantial Wool Content.
Claims use since June 2, 1933.

373,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Aug. 13, 1938. Serial No. 409,590.

TEND'R

For Ham and Picnic Ham.
Claims use since July 10, 1938.

373,648. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMPANIA AZUCARERA DEL CAMUY, INC., Arecibo, P. R. Filed Aug. 16, 1938. Serial No. 409,643.

MADE IN AMERICA
100 LBS. NET
EVERSWEET
FINE GRANULATED
PURE
CANE SUGAR
MANUFACTURED BY
COMPANIA AZUCARERA DEL CAMUY, INC.
CAMUY, PUERTO RICO.

For Sugar.
Claims use since July 14, 1938.

373,649. (CLASS 39. CLOTHING.) MAYEHOFF, INC., Norwalk, Conn. Filed Oct. 26, 1938. Serial No. 412,065.

American Habits by Hatton

For Women's Apparel—Namely, Dresses.
Claims use since Oct. 21, 1938.

373,650. (CLASS 39. CLOTHING.) A. SAGNER & SONS, INC., Baltimore, Md. Filed Nov. 17, 1938. Serial No. 412,876.

POIRET CHARMEUSE
Exclusive

For Men's and Women's Coats and Suits.
Claims use since Oct. 3, 1938.

373,651. (CLASS 39. CLOTHING.) COLLEGIATE MANUFACTURING COMPANY, New York, N. Y. Filed Nov. 19, 1938. Serial No. 412,954.

Full Dress Pajamas

For Pajamas.
Claims use since Oct. 11, 1938.

373,652. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed Nov. 21, 1938. Serial No. 413,002.

Floating Chamber

For Automatic Pistols.
Claims use since Feb. 20, 1936.

373,653. (CLASS 12. CONSTRUCTION MATERIALS.) ELLIOTT BAY MILL COMPANY, Seattle, Wash. Filed Nov. 21, 1938. Serial No. 413,007.

RESINFORM

For Plywood Panels.
Claims use since Jan. 1, 1938.

373,654. (CLASS 15. OILS AND GREASES.) V-8 OIL COMPANY, Long Beach, Calif. Filed Nov. 26, 1938. Serial No. 413,207.

V 8
MOTOR OIL
V-8 OIL CO.

For Crude Petroleum Oil and Refined Products Thereof—Namely, Lubricating Oils and Greases in Bulk, Cans, Drums, and Containers.
Claims use since Oct. 1, 1938.

373,655. (CLASS 32. FURNITURE AND UPHOLSTERY.) GRAND RAPIDS FURNITURE MAKERS GUILD, Grand Rapids, Mich. Filed Nov. 28, 1938. Serial No. 413,224.

KENTWOOD

For Wooden and Upholstered Furniture, Including Beds, Dressers, Tables, Mirrors, Stools, Chairs, Highboys, Lowboys, Sideboards, China Cabinets, Davenports, Love Seats, Sofas, Chaises Longues, Desks, Cabinets, Chests, Consoles, Window Seats, Hassocks, Lamp Stands, Tea Carts, Book Cabinets, Daybeds, and Hope Chests.
Claims use since Oct. 1, 1938.

373,656. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEVELY DAIRY COMPANY, St. Louis, Mo. Filed Nov. 28, 1938. Serial No. 413,240.

Lactase

For Cultured Milk.
Claims use since Mar. 7, 1925.

373,657. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHIELD FOODS, INC., Buffalo, N. Y. Filed Dec. 8, 1938. Serial No. 413,596.

CHICK-N-LIKE

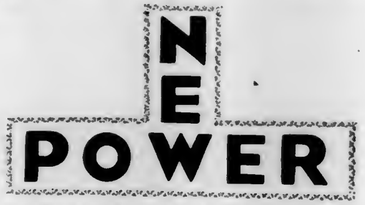
For Canned Tuna Fish.
Claims use since Oct. 14, 1938.

373,658. (CLASS 15. OILS AND GREASES.) JAMES R. ENRIGHT, doing business as James R. Enright Company, Chevy Chase, Md. Filed Dec. 19, 1938. Serial No. 413,982.



For Fuel Oil.
Claims use since Oct. 1, 1938.

373,659. (CLASS 15. OILS AND GREASES.) POTTER & HUNTER, Akron, Ohio. Filed Jan. 5, 1939. Serial No. 414,532.



For Gasoline and Lubricating Oils.
Claims use since Apr. 6, 1938.

373,660. (CLASS 39. CLOTHING.) FAMOUS BLOUSES, INC., New York, N. Y. Filed Jan. 11, 1939. Serial No. 414,683.

"Truly Famous"

For Ladies', Misses', and Children's Blouses.
Claims use since September, 1938.

373,661. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHLAND COFFEE COMPANY, Atlanta, Ga. Filed Jan. 19, 1939. Serial No. 415,014.

BAILEY'S SUPREME COFFEE
"LEAVES NO GROUNDS FOR COMPLAINT"

For Coffee.
Claims use since September, 1938.

373,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICHOLAS LA MAINA, Camden, N. J. Filed Jan. 26, 1939. Serial No. 415,251.

Jumbo

For Sandwiches.
Claims use since May 1, 1933.

373,663. (CLASS 39. CLOTHING.) KAYLON, INC., New York, N. Y. Filed Mar. 9, 1939. Serial No. 416,855.

These
PANTS
EQUIPPED WITH


PRESSURELESS
WAISTBAND

For Men's, Women's, and Children's Pajamas.
Claims use since September, 1938.

373,664. (CLASS 38. PRINTS AND PUBLICATIONS.) WENTZLE RUML, JR., Dayton, Ohio. Filed July 14, 1939. Serial No. 421,590.

by
SIMON KNIGHT

For Articles Appearing in Periodicals and Newspapers.
Claims use since Nov. 1, 1937.

373,665. (CLASS 39. CLOTHING.) WILTON CLOTHES, INC., New York, N. Y. Filed July 15, 1939. Serial No. 421,627.

"BRISTLE-TWIST"

For Men's and Boys' Suits, Pants, Top Coats, and Overcoats.
Claims use since Aug. 1, 1937.

373,666. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THOS. L. SIEBENTHALER MFG. CO., Kansas City, Mo. Filed July 24, 1939. Serial No. 421,906.

SIEBENTHALER

For Radio Receiving Sets and Parts Thereof, Radio Transmitting Sets and Parts Thereof, and Radio Direction Finders.
Claims use since February, 1937.

373,667. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BUEGELEISEN & JACOBSON, New York N. Y. Filed July 25, 1939. Serial No. 421,926.

RUFFINI

For Accordions.
Claims use since June 15, 1927.

373,668. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ESSEX CLUB, Newark, N. J. Filed Aug. 2, 1939. Serial No. 422,204.

Essex Club

For Whiskey.
Claims use since Aug. 1, 1938.

373,669. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN CITRUS ASSOCIATION, Redlands, Calif. Filed Aug. 10, 1939. Serial No. 422,491.

TOP VALUE

For Fresh Citrus Fruit.
Claims use since Dec. 7, 1937.

373,670. (CLASS 39. CLOTHING.) SCHNEIDER-BATTINUS & SIMON, Chicago, Ill. Filed Sept. 16, 1939. Serial No. 423,677.

BODY-BILT

For Men's, Women's, and Children's Underwear, Pajamas, and Sweaters; Women's and Children's Slips; Men's and Boys' Outer Shirts, and Sportswear—Namely, Shirts, Shorts, Trousers, and Swim Trunks.
Claims use since March, 1930.

373,671. (CLASS 39. CLOTHING.) BOND STORES, INCORPORATED, New York, N. Y. Filed Sept. 21, 1939. Serial No. 423,790.

SUDAN WEAVE

For Men's and Boys' Summer Suits.
Claims use since May 6, 1938.

373,672. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL LOCK CO., Rockford, Ill. Filed Sept. 21, 1939. Serial No. 423,821.



For Wood Screws.
Claims use since January, 1936.

TRADE-MARK REGISTRATIONS RENEWED

17,281. **AMERICAN.** LAUNDRY BLUE. Registered December 17, 1889. THE HELLER & MERZ COMPANY, Newark, N. J. Re-renewed December 17, 1939, to American Cyanamid Company, New York, N. Y., a corporation of Maine, assignee by mesne assignments.

127,050. **G.** CANNED TOMATOES, PEARS, APRICOTS, CHERRIES, PEACHES, STRING-BEANS, CONCENTRATED TOMATO PULP, AND TOMATO SAUCE. Registered October 21, 1919. GRECO CANNING CO. INC. Renewed October 21, 1939, to Greco Canning Co., Inc., San Jose, Calif., a corporation of Delaware, successor.

127,504. **SPANISH CASTLE.** OLIVE-OIL. Registered November 11, 1919. ALEX. D. SHAW & CO. Renewed November 11, 1939, to Alex. D. Shaw & Co., Inc., New York, N. Y., a corporation of New York, assignee.

128,297. **RAULANG.** AUTOMOBILES—NAMELY, ELECTRIC PASSENGER-VEHICLES. Registered January 6, 1920. THE BAKER R. & L. COMPANY. Renewed January 6, 1940, to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio, by change of name.

128,335. **BLUE GRASS.** TWINE COMPOSED OF A MIXTURE OF HEMP AND JUTE. Registered January 6, 1920. COLUMBIAN ROPE COMPANY, Auburn, N. Y., a corporation of New York. Renewed January 6, 1940.

128,528. **STAR.** FEATHER PILLOWS. Registered January 6, 1920. STAR BEDDING COMPANY. Renewed January 6, 1940, to Star Bedding Company, St. Louis, Mo., a corporation of Missouri, assignee.

128,707. **RODOL.** FUR-DYES. Registered January 13, 1920. THE GASKILL CHEMICAL CORPORATION, Brooklyn, N. Y. Renewed January 13, 1940, to American Cyanamid Company, New York, N. Y., a corporation of Maine, assignee by mesne assignments.

128,730. **HIP-O-LITE.** MARSHMALLOW CRÊME, MARSHMALLOW POWDER, AND LEMON, VANILLA, ORANGE, STRAWBERRY, AND RASPBERRY FLAVORING EXTRACTS. Registered January 13, 1920. THE HIPOLITE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed January 13, 1940.

128,784. **ECHINOL.** CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered January 13, 1920. THE WILLIAM S. MERRELL COMPANY. Renewed January 13, 1940, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

128,850. **POVALIN.** A MEDICINAL PREPARATION USED EXTERNALLY FOR CONGESTION, INFLAMMATION, BRONCHITIS, SPASMODIC CROUP, SORE THROAT, AND TONSILLITIS. Registered January 13, 1920. SENORET CHEMICAL COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed January 13, 1940.

128,981. **HYATT.** CERTAIN NAMED MACHINERY AND TOOLS AND PARTS THEREOF. Registered January 20, 1920. GENERAL MOTORS CORPORATION, New York, N. Y., and Harrison, N. J. Renewed January 20, 1940, to General Motors Corporation, Detroit, Mich., a corporation of Delaware.

129,362. **WINTERMOOR.** COATS, VESTS, TROUSERS, OVERCOATS, AND RAINCOATS. Registered February 17, 1920. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed February 17, 1940.

129,539. **CLAIRO.** KEROSENE. Registered February 24, 1920. SINCLAIR REFINING COMPANY, Chicago, Ill. Renewed February 24, 1940, to Sinclair Refining Company, New York, N. Y., a corporation of Maine.

129,652. **RED, WHITE, AND BLUE LINES.** ROPE OF VEGETABLE FIBER. Registered March 9, 1920. COLUMBIAN ROPE COMPANY, Auburn, N. Y., a corporation of New York. Renewed March 9, 1940.

130,416. **STAR.** FEATHERS. Registered April 20, 1920. STAR BEDDING COMPANY. Renewed April 20, 1940, to Star Bedding Company, St. Louis, Mo., a corporation of Missouri, assignee.

130,463. **BIEN JOLIE.** CORSETS, BRASSIÈRES, AND WOMEN'S UNDERWEAR OF KNITTED OR TEXTILE FABRIC. Registered April 27, 1920. BENJAMIN & JOHNES. Renewed April 27, 1940, to Benjamin & Johnes, Incorporated, Newark, N. J., a corporation of New Jersey, by change of name.

130,642. **WIZARD.** CIGARETTES. Registered May 4, 1920. THE BLOCH BROS. TOBACCO CO., Wheeling, W. Va., a corporation of West Virginia. Renewed May 4, 1940.

130,643. **WIZARD AND PICTURE.** CIGARETTES. Registered May 4, 1920. THE BLOCH BROS. TOBACCO CO., Wheeling, W. Va., a corporation of West Virginia. Renewed May 4, 1940.

131,098. **HUCK FINN.** CERTAIN NAMED CLOTHING FOR BOYS AND CHILDREN. Registered May 4, 1920. ELDER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed May 4, 1940.

131,109. **DRAGON.** ANTIFRICTION-BEARINGS, ANTIFRICTION-BEARING HANGER-BOXES, ANTIFRICTION BALLS AND ROLLERS, CAGES, SEPARATORS, AND RETAINERS FOR ANTIFRICTION DEVICES. Registered May 4, 1920. THE FAFNIR BEARING COMPANY, New Britain, Conn., a corporation of Connecticut. Renewed May 4, 1940.

131,252. **SULFOLINE.** EMULSIFYING OIL USED IN THE TREATMENT OR DRESSING OF LEATHER AFTER MANUFACTURE. Registered May 4, 1920. VACUUM OIL COMPANY. Renewed May 4, 1940, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

131,312. **RICE HOTEL.** COFFEE. Registered May 11, 1920. GORDON, SEWALL & CO. INC., Houston, Tex., a corporation of Texas. Renewed May 11, 1940.

LABELS

REGISTERED DECEMBER 12, 1939

54,000.—*Title:* FAIRY SHRIMPS (ESTHERIIDAE) AND WATER-BOATMEN (CORIXIDAE). For Fairy Shrimps (Estheriidae) and Water-Boatmen (Corixidae). ST. ELMO ABEANATHY, Berkeley, Calif. Published October 23, 1939.

54,001.—*Title:* ADAM HATS SPORTS PARADE. For Hats. ADAM HAT STORES, INC., doing business as 'Adam Hats', New York, N. Y. Published September 25, 1939.

54,002.—*Title:* VAN BRITE DOUBLE DRIES AND THEN WON'T WATER-SPOT. For Liquid Wax. AMERICAN DISINFECTING COMPANY, INC., doing business as Adco, Sedalia, Mo. Published August 10, 1939.

54,003.—*Title:* BEECH-NUT ORALGUM. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 30, 1939.

54,004.—*Title:* BEECH-NUT ORALGUM. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 30, 1939.

54,005.—*Title:* BEECH-NUT BISCUIT ASSORTMENT. For Biscuits. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published November 1, 1939.

54,006.—*Title:* CHILDREN'S BAUME BENGUÉ. For Analgesic and Counterirritant Balm. BENGUÉ, INC., Union City, N. J. Published October 14, 1939.

54,007.—*Title:* POP DAVIESS. For Kentucky Straight Bourbon Whiskey. THE DAVIESS COUNTY DISTILLING COMPANY, Owensboro, Ky. Published September 15, 1939.

54,008.—*Title:* DEL HAVEN. For Vacuum Packed Coffee. FEDERATED FOODS, INC., Chicago, Ill. Published May 19, 1938.

54,009.—*Title:* LA FLORENTINE. For Tortellini, Bologna Style. F. GIOVANNINI, Chicago, Ill. Published October 6, 1939.

54,010.—*Title:* CAMEO HAIR SNOOD. For Hair Snoods. THE GLEMBY COMPANY, INC., New York, N. Y. Published October 6, 1939.

54,011.—*Title:* HONOR. For Fresh Frosted Lima Beans. HONOR BRAND FROSTED FOODS CORP., New York, N. Y. Published July 11, 1939.

54,012.—*Title:* PERMALASTIC. For a Permanently Elastic Material for Caulking and Glazing. CHARLES H. HOWELL & CO. INC., Philadelphia, Pa. Published November 1, 1939.

54,013.—*Title:* HUNG'S CHIC-CHOW DINNER CHICKEN AND VEGETABLES. For Canned Chicken and Vegetables. HUNG'S FOOD PRODUCTS INC., Boston, Mass. Published September 12, 1939.

54,014.—*Title:* POLARTONE THE PAPER WITH THE NORTH LIGHT TINT. For Fillers for Loose Leaf Books and School Items. LAKESIDE CENTRAL COMPANY, Chicago, Ill. Published October 25, 1939.

54,015.—*Title:* HOME FURNITURE POLISH. For Furniture Polish. ROBERT O. LIDIE, doing business as The Home Polish Manufacturing Company, York, Pa. Published October 11, 1939.

54,016.—*Title:* MARKWARDT'S POLKA DOT IS GOOD BREAD! For Bread. W. C. MARKWARDT, doing business as Markwardt's Quality Bakery, Joplin, Mo. Published August 9, 1939.

54,017.—*Title:* MARS DOUBLE BOX. For Candy. MARS, INCORPORATED, Chicago, Ill. Published August 26, 1939.

54,018.—*Title:* PYROIL TREATED PYRO-PENN MOTOR OIL. For Motor Oil. CLYDE LOVEL MCCOY, doing business as Pyroil Distributing Company, San Jose, Calif. Published July 27, 1939.

54,019.—*Title:* MEXICORN. For Canned Whole Kernel Corn with Red and Green Peppers. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Published August 7, 1939.

54,020.—*Title:* NIBLETS. For Canned Whole Kernel Golden Corn. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Published August 7, 1939.

54,021.—*Title:* NIBLET-EARS. For Canned Golden Bantam Corn-on-the-Cob. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Published August 7, 1939.

54,022.—*Title:* ANTI-GRÃ. For a Hair Treatment. A. B. OSTROM, Minneapolis, Minn. Published October 19, 1939.

54,023.—*Title:* MY-T-FINE. For a Mixture for Making an Imitation Butterscotch Flavor Dessert. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published October 23, 1939.

54,024.—*Title:* GYPSY-DOODLE. For Games. ROGARSON'S ASSOCIATES, Kewanee, Ill. Published October 3, 1939.

54,025.—*Title:* SELMER PORTA-LIGHT. For Music Stand Lights. H. & A. SELMER INC., Elkhart, Ind. Published March 14, 1938.

54,026.—*Title:* CUBAN CRUSHED QUEEN. For Canned Pineapple. ARTHUR SERRA AND CO., Chicago, Ill. Published June 24, 1938.

54,027.—*Title:* ZAB. For Medicated Salve for Mange Treatment. ELINOR SHAW, doing business as Zab Products Company, Toms River, N. J. Published September 9, 1939.

54,028.—*Title:* OLD WATERFALL. For Kentucky Straight Bourbon Whiskey. THE SPRING GROVE CORPORATION, Chicago, Ill. Published April 13, 1939.

54,029.—*Title:* FLEISCHMANN'S. For Frozen Blueberries. STANDARD BRANDS INCORPORATED, New York, N. Y. Published September 16, 1938.

54,030.—*Title:* WHEAT BREAD. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published April 5, 1939.

54,031.—*Title:* SNOW BALL. For Snow Ice Cream. FRANCES E. WEISSINGER, St. Louis, Mo. Published October 13, 1939.

54,032.—*Title:* "X" SUPER FLUSH. For a Flushing Compound for Automobile Radiators. "X" LABORATORIES, INC., New York, N. Y. Published November 2, 1939.

PRINTS

REGISTERED DECEMBER 12, 1939

17,752.—*Title:* BEECH-NUT ORALGUM. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 30, 1939.

17,753.—*Title:* BEECH-NUT ORALGUM. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published September 28, 1939.

17,754.—*Title:* BAUME BENGUÉ. For Analgesic Balm. BENGUÉ, INC., Union City, N. J. Published November 8, 1939.

17,755.—*Title:* MARY DODGE CHOC-CO-POPS. For Chocolate Coated Popcorn. MARY DODGE, Studio City, Calif. Published May 1, 1939.

17,756.—*Title:* DO YOUR CHRISTMAS SHOPPING EASY (HOLLY). For Whiskey. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Published October 27, 1939.

17,757.—*Title:* DO YOUR CHRISTMAS SHOPPING EASY (BELLS). For Whiskey. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Published October 6, 1939.

17,758.—*Title:* FREE! WHILE SUPPLIES LAST! TWIN SERVING SET. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 5, 1939.

17,759.—*Title:* FLORENCE NIGHTINGALE (WINDOW DISPLAY). For Prescription Products. PARKE, DAVIS & COMPANY, Detroit, Mich. Published September 25, 1939.

17,760.—*Title:* IMPROVED METHOD OF EVACUATING THE GASTRIC CONTENTS. For Indirect Suction Pumps for Stomach Evacuation. STANDARD SCIENTIFIC SUPPLY CORP., New York, N. Y. Published October 20, 1939.

REISSUES

DECEMBER 12, 1939

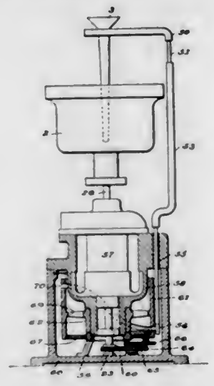
21,290

SPINNING CENTRIFUGE

Otto Bochmann, Remscheid-Lennep, Germany, assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware

Original No. 1,992,602, dated February 26, 1935, Serial No. 572,699, November 2, 1931. Application for reissue December 11, 1936, Serial No. 115,447. In Germany November 3, 1930

5 Claims. (Cl. 57—77)



1. In an apparatus of the class described, a motor, a housing therefor, a shaft driven by said motor, a spinning pot on said shaft, means to guide thread to said pot, means to drive said guide means, said driving means comprising a hollow drum provided with a cam track arranged concentrically to said housing, said drug being rotatably secured to said housing, a gear on the other end of said shaft, said gear meshing with an intermediate gearing, said intermediate gearing in turn rotating said drum, and means driven by said drum and connected to said thread guide means for imparting reciprocatory motion to the latter upon rotation.

21,291

PRODUCTION OF FATTY ACID ESTERS FROM STARCH FACTORY BYPRODUCTS

Sidney Mark Cantor, Riverside, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Original No. 2,147,241, dated February 14, 1939, Serial No. 159,111, August 14, 1937. Application for reissue June 28, 1939, Serial No. 281,753

6 Claims. (Cl. 260—234)

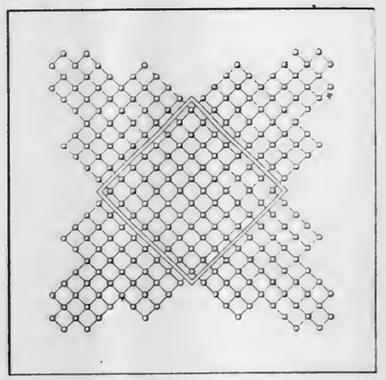
1. Process of producing carbohydrate fatty acid esters from starch factory by-products which comprises: extracting fatty acids from fatty acid containing starch factory residues; converting said fatty acids into one of the group of substances consisting of the anhydrides and chlorides of said fatty acids; and reacting said derivative products in solution with a solution of starch converted sugars in the presence of an acid removing catalyst, and removing the solvents.

21,292

DESIGN FOR A GAME BOARD

Alfred F. Hamilton, Seattle, Wash.

Original No. 115,550, dated July 4, 1939, Serial No. 83,355, March 6, 1939, 3½ years. Application for reissue September 26, 1939, Serial No. 87,388. Term of patent 3½ years



The ornamental design for a game board, substantially as shown and described.

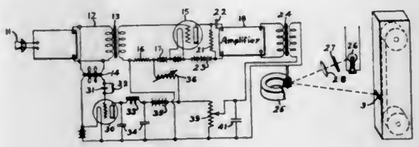
21,293

SOUND RECORDING AND REPRODUCING SYSTEM

Clinton R. Hanna, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

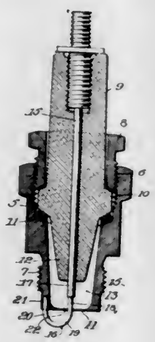
Original No. 1,888,724, dated November 22, 1932, Serial No. 321,365, November 23, 1928. Application for reissue November 21, 1934, Serial No. 754,197

37 Claims. (Cl. 179—100.3)



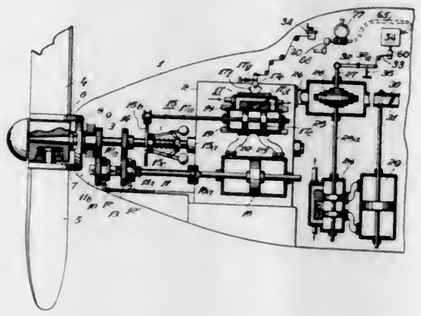
1. In a sound-recording system, an amplifier, including a vacuum tube, means for impressing a potential varying at sound frequency upon the grid thereof, means controlled by the intensity of the sound for impressing a slowly varying potential upon said grid, a recorder including a member moved by the output of said amplifier and means responsive to the said slowly varying potential for controlling the mean position of said member.

21,294
SPARK PLUG
Walter P. Innes, Jr., Wichita, Kans.
Original No. 2,097,460, dated November 2, 1937, Serial No. 757,206, December 12, 1934. Application for reissue October 30, 1939, Serial No. 301,997
9 Claims. (Cl. 123—169)



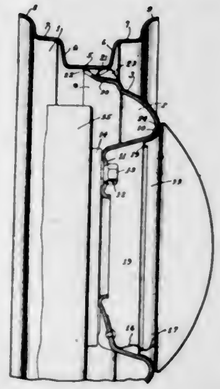
1. A spark plug comprising a shell having a chamber formed therein, a wall portion adjacent the end of said plug providing an end wall for said chamber, said end wall having an opening formed therein adjacent the longitudinal center line of the plug, a central electrode extending into said chamber, and a substantially U-shaped ground electrode extending across the outer side of said end wall to adjacent the central portion of the plug and thence into said chamber to adjacent said central electrode.

21,295
REGULATOR FOR AIRCRAFT DRIVING GEARS
Paul Eduard Köster, Berlin, Germany, assignor to Siemens Apparate und Maschinen G. m. b. H., Berlin, Germany, a corporation of Germany
Original No. 2,112,965, dated April 5, 1938, Serial No. 17,049, April 18, 1935. Application for reissue June 14, 1939, Serial No. 279,105. In Germany April 19, 1934
12 Claims. (Cl. 244—76)



1. In an aircraft having a driving propeller of variable pitch, the combination of an internal combustion engine for driving said propeller, said engine having a connection for supplying a gaseous driving medium thereto at a variable charging pressure and controlling means for varying said charging pressure, means for governing the pitch of said propeller for maintaining said engine at a constant speed, a device responsive to changes in the altitude of said aircraft, said device being operatively connected with said controlling means so as to adjust said charging pressure in response to changes in altitude in order to maintain a predetermined altitude of said craft by said adjustment of the charging pressure.

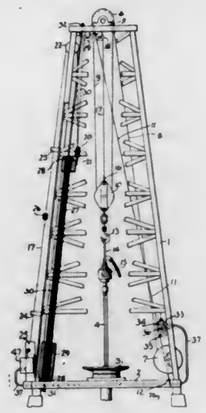
21,296
WHEEL CONSTRUCTION
George Albert Lyon, Allenhurst, N. J.
Original No. 2,135,758, dated November 8, 1938, Serial No. 90,903, July 16, 1936. Application for reissue January 21, 1939, Serial No. 252,237
12 Claims. (Cl. 301—37)



9. In a wheel construction including rim and body members, an ornamental trim member for one of said members having a marginal portion provided with spring means for retaining said trim member on the wheel, said spring means bearing against one of said members and having an outer extremity pressed into resilient retaining engagement with the other of said members, said rim and body members having a recess adjacent their junction defined on its radially inner side by an inclined surface facing radially outward and said surface being engaged by said spring means, whereby said spring means directly bears and exerts a radial pressure against said inclined surface to retain said trim member on the wheel..

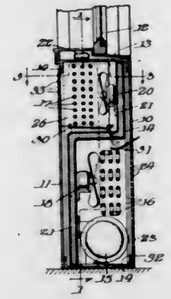
21,297
DEPTH RECORDER FOR A WELL DRILL
George P. Mizell, Dayton, Tex.
Original No. 2,096,995, dated October 26, 1937, Serial No. 29,815, July 5, 1935. Application for reissue October 7, 1939, Serial No. 298,479
5 Claims. (Cl. 255—1)

1. In a rotary well drilling installation including a derrick and a traveling block suspended therein, the combination of a recording line connected with said block, a pulley at the upper end of said derrick over which said line is passed, a housing, a reel therein for said line, a rotating recording drum in said housing, a record sheet thereon, a pulley in said housing over which said line is engaged to rotate said pulley, a shaft rotated by said pulley and a stylus engaging said record sheet and actuated through the rotation



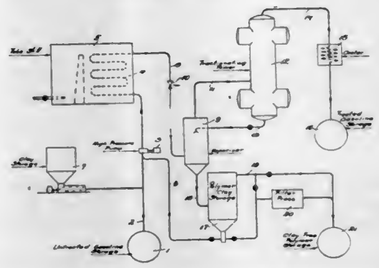
of said shaft to move upon said sheet and record the downward movement of said traveling block.

21,298
ROOM COOLING APPARATUS
Rudolph S. Nelson, Larchmont, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Original No. 1,975,859, dated October 9, 1934, Serial No. 574,610, November 12, 1931. Application for reissue May 31, 1938, Serial No. 211,102
21 Claims. (Cl. 62—140)



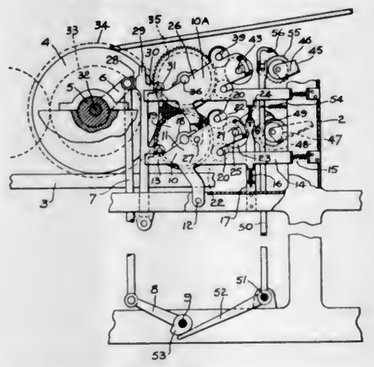
21. In combination, a device for conditioning the air of a room in a building, said device being mounted in a wall of said room and including a housing formed in part by members serving to close a hollow opening in said wall and a unitary portable air-conditioning structure concealed by said housing, an insulating partition and a refrigerating apparatus mounted on said structure and forming a part thereof, said refrigerating apparatus comprising a cooling element and an air-cooled heat discharging element disposed on opposite sides of said partition, said cooling element being arranged so as to permit it being exposed to the air in the room and said heat discharging element being so disposed as to permit discharge of heat to the air outside of the room, said insulating partition being so disposed in said housing as to substantially seal said cooling element from said air-cooled heat discharging element.

21,299
OIL PURIFYING SYSTEM
Rudolph C. Osterstrom, Kenilworth, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Original No. 1,891,109, dated December 13, 1932, Serial No. 429,303, February 18, 1930. Application for reissue December 11, 1934, Serial No. 757,024
7 Claims. (Cl. 196—79)



6. The method of treating raw gasoline distillates which consists in forming a mixture of the distillates and the treating material comprising a solid finely divided adsorbent, heating said mixture under sufficient pressure to maintain the oil material in the liquid phase and for a period and at a temperature sufficient to bring about substantial improvement of the oil material, releasing the pressure and distilling off the oil fractions, admitting the vapor thus produced to a fractionating column, leading uncondensed fractions from said column to the condenser and adding at least a part of the residue from said column to the mixture of raw distillate and treating material about to be heated.

21,300
TWO-REVOLUTION CYLINDER PRINTING PRESS
Albert Edward Pearsall, Vancouver, British Columbia, Canada
Original No. 2,088,808, dated August 3, 1937, Serial No. 59,052, January 14, 1936. Renewed June 16, 1937. Application for reissue April 7, 1939, Serial No. 266,705
9 Claims. (Cl. 101—173)



5. The method of printing three colours at each operation of a two revolution flat bed press, consisting of the steps of feeding a sheet to be printed to the impression cylinder of said press, bring-

ing said sheet into printing engagement with three separate forms successively during one revolution of said impression cylinder, one of which forms is carried by the flat bed of the press, and applying ink of a different colour to each of said forms respectively.

9. A device for multiple colour printing on two revolution flat bed presses, comprising an impression cylinder, at least three form members for imprinting a sheet carried by the impression cylinder, and means adapted to be actuated by operation of the press for moving each of said form members into printing engagement with the impression cylinder simultaneously, and means associated with each of said form members for applying ink thereto.

PLANT PATENTS

GRANTED DECEMBER 12, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

349
ROSE PLANT
Domenico Aicardi, San Remo, Italy, assignor to Jackson & Perkins Company, Newark, N. Y.
Application April 17, 1939, Serial No. 268,403
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by the rich contrasting color combination of its flower, the large size and constancy of the bloom, its sweet persistent fragrance, and its lustrous dark green foliage, substantially as shown and described.

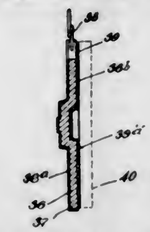
PATENTS

GRANTED DECEMBER 12, 1939

2,182,774
COMPOSITION FOR APPLICATION TO PULLEYS AND THE LIKE
Joseph Birnbaum, Vienna, Austria, assignor to Manhattan Lubricants Co., Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application May 21, 1937, Serial No. 143,979
5 Claims. (Cl. 106—7.5)

1. A composition adapted to be applied by brushing for coating the surface of belt pulleys and the like, comprising nitro-cellulose, a volatile solvent for said nitro-cellulose and iron filings which is adapted upon drying to form a roughened surface having depressions or pores, whereby increased traction between the said pulley and belt is obtained both by friction and suction.

2,182,775
METHOD OF MAKING DIES
Paul C. Abouchar, Brooklyn, N. Y.
Application March 17, 1937, Serial No. 131,315
Renewed March 4, 1939
6 Claims. (Cl. 204—6)

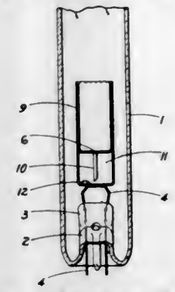


1. A die or mold of the class described comprising at least two parts with an impression or mold chamber formed between adjacent surfaces of said parts, each of the opposed walls of the mold chamber being female exact reproductions for the surfaces of the article to be produced, and the walls of the impression or mold chamber of said die parts consisting of electro-deposited iron having finished hardened surfaces.

2. A die or mold of the class described comprising at least two parts with an impression or mold chamber formed between adjacent surfaces of said parts, each of the opposed walls of the mold chamber being female exact reproductions for the surfaces of the article to be produced, the adjacent walls of the die parts including the impression or mold chamber thereof consisting of electrodeposited iron having finished hardened compression surfaces, said walls including a backing of reinforcing and strengthening material, and said backing being of predetermined contour.

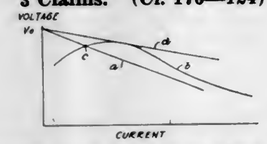
2,182,776
GASEOUS ELECTRIC DISCHARGE DEVICE
Hans Alterthum, Berlin-Wilmersdorf, and Arved Lompe, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application March 19, 1938, Serial No. 197,028
In Germany March 24, 1937
6 Claims. (Cl. 176—124)

1. In combination, a gaseous electric discharge lamp device of the positive column type having a positive volt-ampere characteristic comprising a container, electrodes sealed therein, a fixed gaseous atmosphere therein consisting of neon and argon and a quantity of vaporizable material therein, the total pressure of the fixed gas



being 4 to 8 mm., the argon being 0.2 to 2.0% of the total fixed gas atmosphere and means to supply a current of from a few milliamperes to 100 milliamperes to said device, whereby said device operates stably with a positive voltage-current characteristic.

2,182,777
GASEOUS ELECTRIC DISCHARGE DEVICE
Hans Alterthum, Berlin-Wilmersdorf, and Arved Lompe, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application March 19, 1938, Serial No. 197,029
In Germany March 30, 1937
3 Claims. (Cl. 176—124)

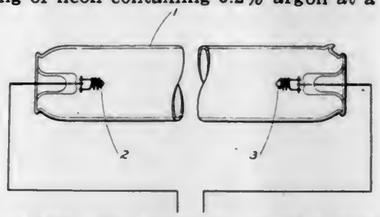


1. In combination, a gaseous electric discharge lamp device of the positive column type comprising a container, electrodes sealed therein, a gaseous atmosphere therein consisting of neon and argon, the total pressure of the gaseous filling being 4 to 8 mm., the argon being 0.2% to 0.5% of the neon and means to supply a current of from a few milliamperes to 100 milliamperes to said device whereby said device operates stably with a positive voltage-current characteristic.

2,182,778
GASEOUS ELECTRIC DISCHARGE DEVICE
Hans Alterthum, Berlin-Wilmersdorf, Arved Lompe, Berlin, and Kurt Wiegand, Hohen-Neuendorf, near Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application August 17, 1938, Serial No. 225,396
In Germany September 10, 1937
3 Claims. (Cl. 176—124)

3. In combination, an electric gaseous discharge device having a positive volt-ampere characteristic comprising a sealed tubular container at least 30 mm. in diameter, electrodes

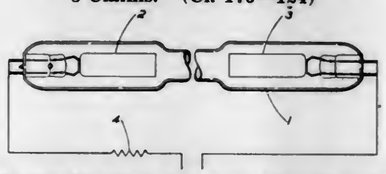
within said container and spaced to permit a positive column discharge therebetween, mercury within said container and a filling of gas consisting of neon containing 0.2% argon at a pressure of less than 2 mm. within said container, and means to supply a current of from 100 to 300 milliamperes to said device, whereby said device operates stably with a positive volt-ampere characteristic.



2,182,779
GASEOUS ELECTRIC DISCHARGE DEVICE

Hans Alterthum, Berlin-Wilmersdorf, and Arved Lompe, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application August 22, 1938, Serial No. 226,189
In Germany September 17, 1937
3 Claims. (Cl. 176—124)

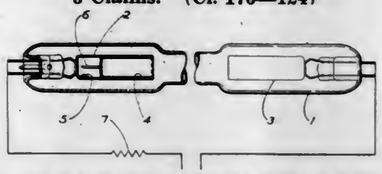


1. In combination, a gaseous electric discharge lamp having a positive volt-ampere characteristic comprising a sealed tubular envelope, electrodes within said envelope and spaced to permit a positive column discharge therebetween, a gas filling consisting of neon intermixed with from 0.2 to 0.5% of a gas from the group consisting of krypton and xenon, said gas being at a pressure of from 4 to 8 mm. of mercury, and means to supply a current of from a few milliamperes to 50 milliamperes to said device, whereby said device operates stably with a positive volt-ampere characteristic.

2,182,780
GASEOUS ELECTRIC DISCHARGE DEVICE

Hans Alterthum, Berlin-Wilmersdorf, and Arved Lompe, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application August 22, 1938, Serial No. 226,190
In Germany September 16, 1937
3 Claims. (Cl. 176—124)

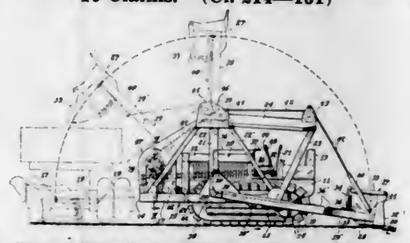


3. In combination, a gaseous electric discharge lamp having a positive volt-ampere characteristic comprising a sealed tubular envelope, electrodes within said envelope and spaced to permit a positive column discharge therebetween, at least one of said electrodes being of the cold type, mercury within said envelope and a gas filling consisting of neon intermixed with from 0.2 to 0.9% of a gas from the group consisting of krypton and xenon, said gas being at a pressure of from 4 to 8 mm. of mercury, and means to supply a current of from a few milliamperes to 50 milliamperes to said device, whereby said device operates stably with a positive volt-ampere characteristic.

2,182,781
MATERIAL COLLECTING AND LOADING APPARATUS

Thomas K. Andersen, West Brighton, and Tengel Andersen, Port Richmond, N. Y., assignors to Overhead Loader Corporation, New York, N. Y., a corporation of New York

Application June 17, 1937, Serial No. 148,740
10 Claims. (Cl. 214—131)

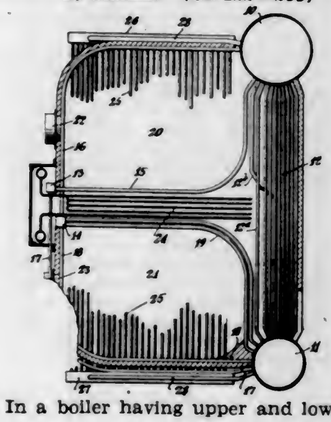


5. In combination with a self propelling tractive vehicle, a pair of supporting arms pivoted adjacent the sides of said vehicle, a digging receptacle mounted at the outer ends of said arms designed to dig and load itself at the rear of the vehicle, said arms being of a shape and length to carry the receptacle in a vertical arc from loading position at the rear of the vehicle along its fore and aft centre line past the pivot points of said arms to a forward dumping position, power means for revolving the receptacle and arms from either side of the vertical to an approximately vertical position, manual control means for causing and discontinuing the application of revolving power and for optionally arresting the movement of the receptacle at any point, said control means being located near enough to the rear of the vehicle to permit the operator when using said control means to have unobstructed vision of the receptacle when in low loading position.

2,182,782
SUPERHEATER BOILER

John A. Barnes, Chappaqua, N. Y., assignor to The Superheater Company, New York, N. Y.

Application July 22, 1936, Serial No. 91,823
16 Claims. (Cl. 122—235)

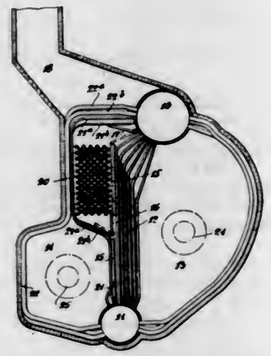


10. In a boiler having upper and lower drums interconnected by a bank of generating tubes; means defining a furnace space at one side of said bank; spaced generating tubes connected into the circulation system of the boiler and having portions extending in rows opposite said bank and dividing said space to form separate furnace chambers one of which communicates with the other and also with said bank, said rows of tubes being spaced to accommodate a superheater; a superheater between said rows of tubes; and fuel feeding means individual to each of said chambers.

2,182,783
SUPERHEATER BOILER

John A. Barnes, Chappaqua, N. Y., assignor to The Superheater Company, New York, N. Y.

Application March 9, 1938, Serial No. 194,757
4 Claims. (Cl. 122—336)



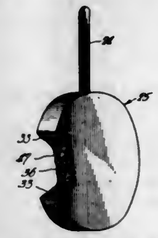
2. In a water tube boiler having an upper and a lower drum interconnected by a bank of generating tubes; a gas offtake; means defining two separate furnace chambers at opposite sides of said bank so arranged that gases from one of said chambers contact said bank tubes in passing to said offtake; a superheater positioned so that all the gases from the other of said chambers flow over its heat absorbing elements; baffle means separating said chambers for preventing gas flow from said one chamber to said other chamber; movable dampers forming part of said baffle means and so located with respect to said superheater that gases from said one chamber may be directed across said superheater; and fuel burning means individual to said chambers.

2,182,784
FROZEN CONFECTIONERY PRODUCT AND METHOD OF MAKING THE SAME

Abraham H. Bayer, Schenectady, N. Y., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware

Application March 17, 1937, Serial No. 131,321
6 Claims. (Cl. 99—137)

1. As a new article of manufacture, a frozen confectionery product comprising, in combination, an edible substance which is liquid at normal temperatures and becomes solidly frozen at normal freezing temperatures, and a separately formed fruit admixture bonded thereto by congelation, said fruit admixture consisting of the edible insoluble matter of a whole fruit suspended in its own juice and combined with invert sugar, the essential characteristics of said admixture being its property to remain liquid at normal temperatures and to become plastic and yet be form retaining at said normal freezing temperatures.

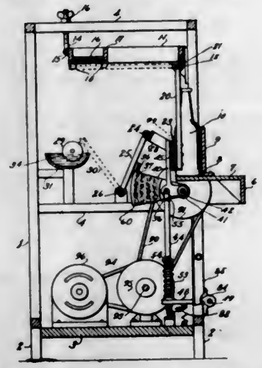


4. The method of making a composite frozen confestionery product having a handle member positioned therein which comprises forming a hollow shell by freezing a syrupy fruit admixture which is liquid at normal temperatures consisting of the edible insoluble matter of a whole fruit suspended in its own juice and combined with invert sugar until the same is form retaining, filling said shell with a second whipped substance which is liquid at normal temperatures and congeals upon refrigeration, forcing a handle stick through the outer frozen shell until the lower end thereof is immersed in the unfrozen whipped second substance, subjecting the second substance to refrigeration until it is bonded to the first substance and to the handle member, thereby forming an integral unit, and then applying an outer edible protective coating to both substances, which coating is of a material that will remain hard at normal room temperatures.

2,182,785
BOTTLE LABELING MACHINE

George M. Biner, Phoenix, Ariz.

Application March 17, 1937, Serial No. 131,273
15 Claims. (Cl. 216—54)



2. In a bottle labeling machine, a shaft, a wiper loosely supported on the shaft and positioned to press a label upon a bottle, a tortional spring connection between the shaft and the wiper, and means operatively connected to actuate the shaft to effect the label pressing operation.

12. A bottle labeling machine, having picker bar means to transfer a gummed label from a magazine to a bottle on a rest and having a roll to transfer adhesive from a fountain to the picker bar means, characterized by spring means to resiliently maintain the roll in its position at the fountain, to insure a good transfer of adhesive from the fountain to the roll.

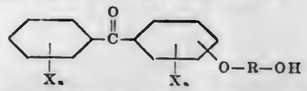
2,182,786

HYDROXY-ALKYL ETHERS OF BENZOPHENONE

Gerald H. Coleman and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 14, 1938, Serial No. 229,873
7 Claims. (Cl. 260—591)

1. A compound having the formula



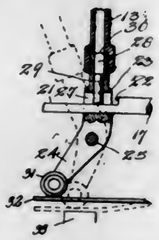
wherein R represents an alkylene radical containing from 2 to 5 carbon atoms, inclusive, each X represents a member of the group consisting of chlorine, bromine, and hydrogen, and each n is an integer not greater than 3.

2,182,787

THROTTLE AND STARTER CONTROL MECHANISM

Douglas Collins, Salisbury, N. C.

Application October 21, 1931, Serial No. 570,249
Renewed August 11, 1936
13 Claims. (Cl. 200—59)



1. In a starting mechanism for internal combustion engines, the combination with a starting switch, of a switch operating lever having a hole therein and a suction chamber, a slidable push rod supported in the lever, and a connector pin mounted in the suction chamber under control of suction from the engine for co-action with said rod for operatively connecting the rod with the lever.

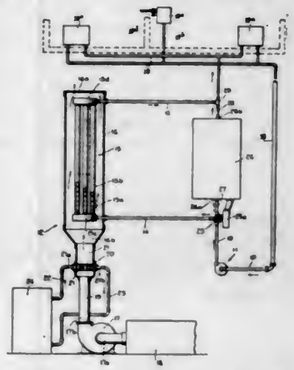
2,182,788

MEANS OF COOLING THERMAL MEDIUM

Edward S. Cornell, Jr., Larchmont, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware

Application August 24, 1935, Serial No. 37,681
3 Claims. (Cl. 257—9)

1. The combination with piping of a thermal system employing a vaporizable thermal medium, of a cooling device including a hollow element, piping connecting said hollow element with the piping of the thermal system, said hollow element having a wall structure affording permeation therethrough of a predetermined portion of the thermal medium, said cooling device further including a casing embracing said hollow element, means communicating with said casing for projecting air in enforced surface engagement with the permeable wall of said hollow element, dehumidifying means, means communicating with said casing for directing the air after containing vaporized thermal medium through said dehumidifying means, and means



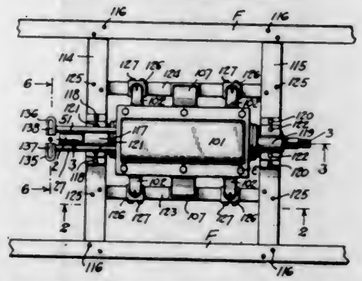
for leading the dehumidified air to said air projecting means.

2,182,789

COMPENSATING SUPPORT FOR DRIVING MECHANISMS

Earl E. Cotanch, Los Angeles, Calif.

Application November 26, 1934, Serial No. 754,919
16 Claims. (Cl. 74—411)



1. In an organization of the class described, a power transmission including driving and driven mechanisms, respectively; stop means; and means for supporting the transmission relatively to the stop means to swing as a unit from a position of disengagement therefrom to a position of engagement therewith in response to torque occurring in the driving mechanism when a load is imposed upon the latter; and means for yieldingly cushioning said transmission during movement thereof as aforestated.

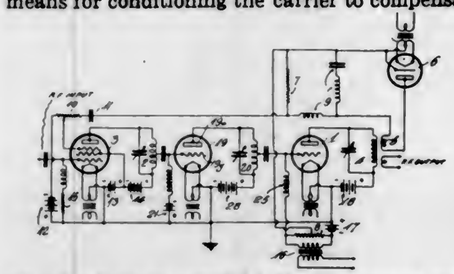
2,182,790

DISTORTION REDUCING SYSTEM FOR GRID-MODULATED AMPLIFIER

Liva Morgan Craft, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application July 16, 1937, Serial No. 154,114
12 Claims. (Cl. 179—171.5)

1. A system for reducing distortion in a radio frequency grid circuit modulated amplifier, which comprises means for deriving distortion components from the modulated carrier, and preamplifier means having the output thereof connected with the input of said grid circuit modulated amplifier and having the input thereof energized by the unmodulated carrier and the distortion components derived by the aforesaid means for conditioning the carrier to compensate



for the distortion thereof in said grid circuit modulated amplifier.

2,182,791

CARBOCYCLIC HYDROXYL ALCOHOL ESTERS OF N-ALKYL-PIPERIDINE-CARBOXYLIC ACID

Otto Dalmer and Claus Diehl, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Original application September 18, 1936, Serial No. 101,430. Divided and this application September 18, 1936, Serial No. 101,429. In Germany December 8, 1932
8 Claims. (Cl. 260—294)

4. A derivative of N-alkyl-piperidine-carboxylic acid selected from the group consisting of the menthol ester of N-alkyl-piperidine-carboxylic acid and salts of the menthol ester of N-alkyl-piperidine-carboxylic acid.

2,182,792

CARBOCYCLIC HYDROXYL ALCOHOL ESTERS OF N-ALKYL-PIPERIDINE-CARBOXYLIC ACID

Otto Dalmer and Claus Diehl, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Original application September 18, 1936, Serial No. 101,429. Divided and this application September 18, 1936, Serial No. 101,430. In Germany December 8, 1932
6 Claims. (Cl. 260—294)

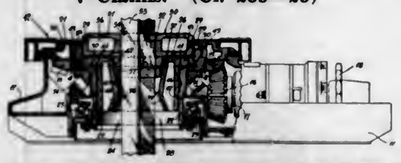
1. Esters of N-alkyl-piperidine-carboxylic acids with a compound selected from the group consisting of mono- and di-alkyl, alkoxy, and carbalkoxy derivatives of a hexacarbocyclic hydroxyl compound.

2,182,793

ROTARY MACHINE AND BUSHING THEREFOR

William D. Davidson, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California

Application September 6, 1938, Serial No. 228,585
7 Claims. (Cl. 255—23)



1. In a rotary machine of the class described, the combination of: a base; a rotary table supported by said base, said table having a table opening which includes an upper shouldered section having a driving shoulder, an upper supporting shoulder at the upper part of said driving shoulder, said upper supporting shoulder being below the top wall of said table, and a lower supporting shoulder at the lower part of said driving shoulder; a table bushing in said opening having a shouldered portion positioned in the lower part of said upper shouldered section, said shouldered portion having a driving shoulder engageable with said driving shoulder of said upper shouldered section and having a supporting shoulder engageable with said lower supporting shoulder; and a drive bushing for driving a kelly positioned in said table opening having a shouldered portion positioned in said upper shouldered section, said shouldered portion having a driving shoulder and a supporting shoulder engageable respectively with said driving shoulder and said upper supporting shoulder of said table opening, said table bushing and said drive bushing being independently supported by said table and said drive bushing transmitting no driving forces or weight to said table bushing.

2,182,794

PHOTOGRAPHIC ELEMENTS CONTAINING ANTIHALATION LAYERS

George A. Dawson, Stelton, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 13, 1938, Serial No. 245,528
11 Claims. (Cl. 95—9)

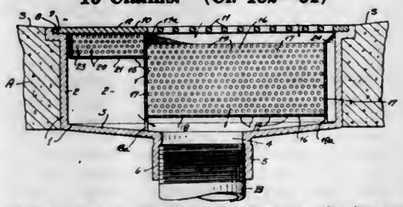
1. A photographic element comprising a transparent support, a coating of sensitized material upon one side of the support and a layer upon the other side of the support comprising a polymeric amino-nitrogen containing body which is insoluble in water and 5% ammonium hydroxide solution, but soluble in dilute acetic acid, and an antihalation dye.

2,182,795

SURFACE DRAIN

Louis J. Day, Floral Park, N. Y.

Application August 7, 1937, Serial No. 157,912
15 Claims. (Cl. 182—31)



1. In a drain device, having a drainage receptacle and a removable grate which partially closes the inlet thereof, main and supplemental strainers inside the body, the main strainer being effective to contact and strain liquid from the surface to be drained, regardless of the presence or absence of said grate, the supplemental strainer being rendered effective to contact and strain liquid from the surface to be drained when and only when the grate is lifted.

2,182,796

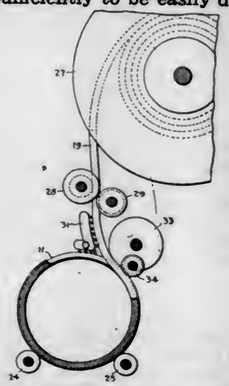
WELDING PROCESS

George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application January 20, 1936, Serial No. 59,811
7 Claims. (Cl. 113—112)

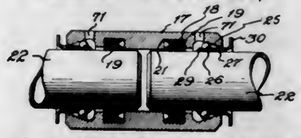
1. The method of welding a seam comprising

progressively heating the edge faces of the seam quickly to obtain a condition of surface fusion without softening the metal to any substantial depth below the surface, the heating not being carried to the point of producing a change in the cross-section of the trough, progressively heating a filler rod more slowly so that it is softened sufficiently to be easily deformed by the



time its surface is brought to a condition of fusion, correlating the heating of the edge faces of the seam with the heating of the filler rod so that corresponding portions of both are brought to a condition of surface fusion at the same time, and while in such condition progressively pressing the filler rod into the seam to bring the fused surfaces together to make a weld.

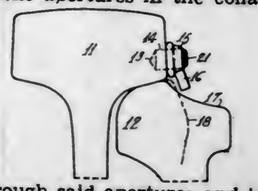
2,182,797
GRIPPING AND COUPLING MEANS
Stephen V. Dillon, Tulsa, Okla.
Application March 15, 1938, Serial No. 196,076
8 Claims. (Cl. 285—193)



1. A structure of the character described, comprising a housing member having internal tapered seat means, a cage, gripping elements carried by the cage and movable relatively to said tapered seat means, a rod-like member extending through the cage into the housing, and means associated with the cage and frictionally engaging the exterior of the rod-like member and actuated by the latter for causing the cage to move with the rod-like member whereby the gripping elements are forced by said tapered means into wedging engagement with the rod-like member when said member is moved in a direction away from the housing.

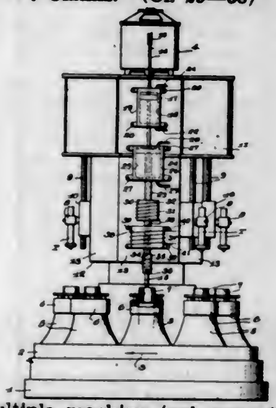
2,182,798
ELECTRIC BOND FOR RAIL JOINTS
Edward A. Everett, Long Island City, N. Y., assignor to Matthew H. Loughridge, Bogota, N. J.
Application December 31, 1935, Serial No. 56,865
6 Claims. (Cl. 173—280)

1. In combination, a rail with a hole therein, a collar having an aperture, a connecting plate having an aperture of the same diameter as the aperture of the collar and registering with the aperture of the collar, means connecting a conductor to said plate and a plug of the same diameter as the apertures in the collar and plate



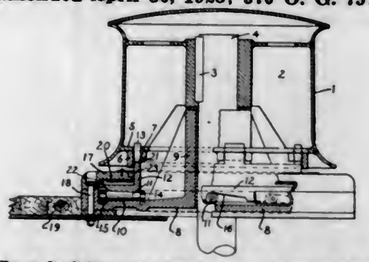
passing through said apertures and into the rail hole with a driving fit for clamping the terminal to the rail.

2,182,799
HEAT TREATING MACHINE TOOL
Warren H. Farr, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 28, 1938, Serial No. 210,719
7 Claims. (Cl. 29—38)



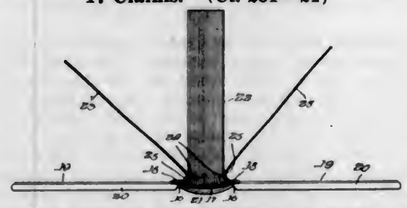
1. A multiple machine tool comprising individual mechanism for performing various operations in succession on a work-piece including at least one machining operation adapted to prepare a surface on said work-piece for hardening, said machine tool comprising as one of its tools a mechanism for heating and quenching a hardenable work-piece.

2,182,800
AUTOMATIC BRAKING MEANS FOR HOISTING DEVICES
John Flodin, Washington, D. C.
Application March 16, 1939, Serial No. 262,203
6 Claims. (Cl. 188—81)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a hoisting device having a rotatable barrel, means preventing overhauling of said device when the load becomes greater than the available power, said means comprising a ring-shaped element movable with said barrel, a fixed portion of said device having an annular slot formed therein and housing said element, one of the sides of said slot forming a trackway, the face of said element adjacent said trackway being formed with tapered recesses, a roller housed in each of said recesses and in rolling contact with said trackway, the opposite face of said annular slot being formed with a braking surface, said tapered recesses being so formed and proportioned that upon rotation of said barrel in one direction, said rollers will roll freely, while upon rotation of said barrel in the opposite direction said rollers will wedge said element against said braking surface.

2,182,801
METHOD OF BINDING BOOKS
Philip A. Frazier, Oak Park, Ill.
Application January 25, 1937, Serial No. 122,108
17 Claims. (Cl. 281—21)



2. The method of fabricating a book, which comprises gathering a predetermined group of signatures, sewing said group of signatures together, joining a pair of end sheets spaced apart the width of the back of said group of signatures by adhesively applying a liner to the inner margins of said end sheets, securing said liner to the back of said signatures and the inner margin of said end sheets to the first and last pages of said group of signatures by means of adhesive, then trimming, rounding and backing said group of signatures and pasting the outer surfaces of said end sheets to the inner surfaces of a casing.

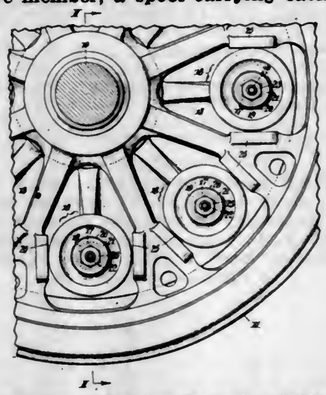
2,182,802
METHOD OF MAKING PRINTING PLATES AND THE PRODUCT THEREOF
Philip A. Frazier, Oak Park, Ill.
Application August 31, 1937, Serial No. 161,826
3 Claims. (Cl. 101—401.1)



1. As a new article of manufacture, an integral printing plate comprising a thin metallic shell having areas requiring different printing pressures to print evenly, the surface of said areas requiring additional printing pressure being elevated above the other areas, and a backing of resilient yielding material, filling the back of said shell and permanently secured to said shell.

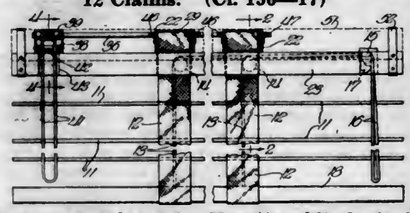
2,182,803
FLEXIBLE DRIVE
Norman E. Gee, Altoona, Pa.
Application October 22, 1936, Serial No. 107,023
7 Claims. (Cl. 64—27)

1. In combination with a drive member and a driven member, which move concentric to each other, cylindrical resilient drive units positioned on trunnions which protrude from the face of the drive member, a spool carrying each of the



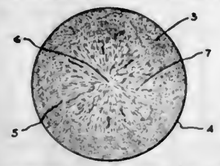
rotatable drive units, inside and outside flanges of the spool, divergent inside flange faces with rounded edges, and means for placing and removing the spool from the drive unit.

2,182,804
VENETIAN BLIND
Harold R. Haase, River Forest, Ill.
Application December 2, 1938, Serial No. 243,511
12 Claims. (Cl. 156—17)



1. A control head for Venetian blinds, including support means, a plurality of rollers supported thereby, means for rotatably driving one of the rollers, and flexible slat-control means threaded through and partially around at least two of said rollers including the driven roller whereby the rotation of the driven roller causes the slat-control means to follow a tortuous path among said rollers.

2,182,805
GRINDING BALL
Charles W. Hagenbuch and Frederick A. McCoy, Kansas City, Mo., assignors to Sheffield Steel Corporation, a corporation of Ohio
Application December 15, 1937, Serial No. 179,935
6 Claims. (Cl. 83—9)



1. A steel grinding element for ball mills, constituting a solid ball-like body of heat treated carbon-manganese-molybdenum steel alloy hardened throughout from its outer surface to its center of mass and having a deep wearing zone

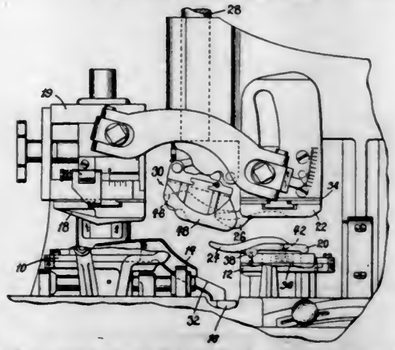
of fine grained structure extending from the outer wearing surface inwardly in a solid mass toward the geometrical center thereof, and a central solid core of coarser grained structure surrounded by and integral with said wearing zone, said alloy containing .60% to 1.10% carbon, .30% to 1.10% manganese, .10% to .80% molybdenum, not more than .30% impurities and not less than 96.7% iron.

2,182,806

MACHINE FOR OPERATING UPON SOLES

Fred V. Hart, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application April 5, 1938, Serial No. 200,154
13 Claims. (Cl. 12—21)



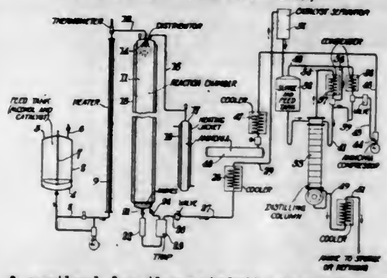
1. In a machine for shaping soles, sole supporting means comprising a form adapted to support the shank of a sole and a member normally spaced from and overlying the heel end of said form, said member being adapted to support the heel end portion of the sole, a support for said member mounted for movement heightwise of said form into such a position that the sole engaging surfaces of said form and member are substantially continuous with each other, and a conforming tool, said tool and means being mounted for movement relatively to each other to cause the sole disposed therebetween to be pressed against said form and member.

2,182,807

PROCESS FOR THE PRODUCTION OF AMINES

Rudolph Leonard Hasche, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 5, 1936, Serial No. 99,591
9 Claims. (Cl. 260—585)



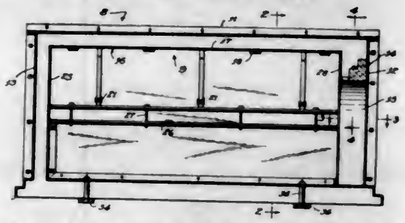
1. A method for the catalytic manufacture of primary and secondary amines free from tertiary amines, which comprises spraying a lower aliphatic alcohol having an amination catalyst suspended therein into an atmosphere of ammonia maintained under a pressure of between 200–1500 lbs. per square inch and at a temperature of between 200° C.–250° C., so that reaction between the alcohol and ammonia takes place.

2,182,808

CASTING MOLD

Frank Hois, Bristol, Conn.

Application February 25, 1937, Serial No. 127,782
2 Claims. (Cl. 25—130)



1. A mold for forming arched substantially imperforate burial vaults comprising a horizontally extending outer shell open at the top defining on the inner portion thereof the extrados portion of said vault; an inner shell, within said outer shell, defining on the outer portion thereof the intrados portion of said vault; supporting means for holding said inner shell in predetermined relationship to said outer shell comprising cross-members temporarily and disengagedly attached to said inner shell and resting across the open top of said outer shell; means supported in a portion of the void between said outer and inner shells for forming an opening in a wall of the molded vault materially smaller in area than the area of any side surface of said vault, said inner shell comprising a plurality of cooperating articulated members adapted for removal through said opening.

2,182,809

CYLINDER LOCK

Theodore H. Johnstone, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Continuation of application Serial No. 729,388, June 7, 1934. This application April 29, 1936, Serial No. 77,070
16 Claims. (Cl. 70—364)



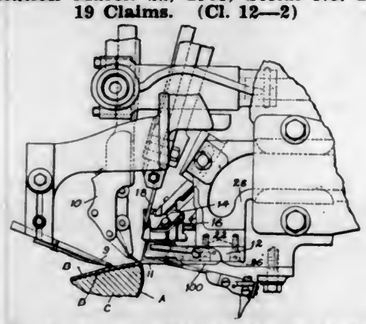
1. A lock cylinder structure split longitudinally into a body part and a cover part, said body having a longitudinally extending channel on its inner side and cross channels, tumblers shiftable in said cross channels, said cover part having a longitudinal channel in alignment with said body part longitudinal channel, a bar of hard metal extending through said longitudinal channels and defining therewith a passageway for receiving a key, and a face plate structure of hard metal for said cylinder secured to the front end of said bar.

2,182,810

METHOD AND MACHINE FOR USE IN MAKING SHOES

Jacob Simon Kamborian, Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application March 22, 1938, Serial No. 197,446
19 Claims. (Cl. 12—2)



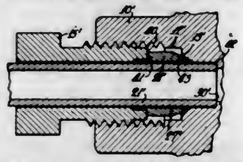
13. In a lasting machine of the progressive type, a gripper for working successive portions of an upper over an insole upon a last, a wiper movable to lay the upper against the last bottom, a tack holder in the wiper, means for feeding tacks to the tack holder, a driver for driving a tack through the tack holder to secure the upper in lasted position, and blades on opposite sides of the tack stem acting as the tack is driven to remove material from opposite sides of the tack head, said blades being so arranged as to form a bar-shaped tack head.

2,182,811

PIPE COUPLING

Edward H. Kocher, Boonton, N. J., assignor to Auto Research Corporation, a corporation of Delaware

Application May 26, 1934, Serial No. 727,719
8 Claims. (Cl. 285—123)



1. In a tubing compression coupling connection for a lubricating system, a tubing end, a threaded mounting element provided with a shoulder member to abut said tubing end and a bore placed in lubricant tight communication with said tubing, an annular threaded coupling element received on said tubing and screwed onto said mounting element, said mounting and coupling elements having internal annular shoulders adjacent the tubing wall, an annular tapered sleeve element, received on said tubing and wedged between said internal annular shoulders on said mounting and coupling elements and crimped thereby onto said tubing upon screwing and tightening of said coupling element to said mounting element, said sleeve before making the coupling connection having a frangible connection to said coupling element, whereby said coupling element and said sleeve may be initially assembled, stored, shipped, and handled as a single unit and said frangible connection may be broken by screwing said coupling element in place in respect to said mounting element to crimp said sleeve about said tubing, said sleeve having an increased internal diameter relatively to said coupling element to assure that no abutment of said tubing end will take place at said frangible connection.

2,182,812

AIR PROPELLER BLADE

Victor Lougheed, Lucketts, Va.

Application February 10, 1938, Serial No. 189,720
17 Claims. (Cl. 170—159)



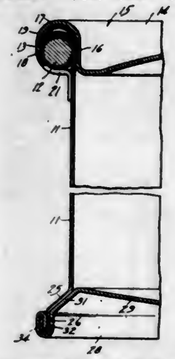
1. In a reinforced air propeller blade containing strips of reinforcing material surrounded by hardened plastic material, an anchor member located at the root of the blade that anchors securely as an integral part of the blade strips of reinforcing material looped around said anchor member.

2,182,813

CONTAINER

Harry G. Mann and William F. Kinney, Toledo, Ohio, assignors to American Can Company, New York, N. Y., a corporation of New Jersey

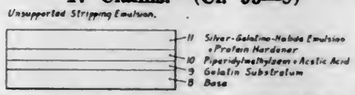
Application May 12, 1934, Serial No. 725,400
5 Claims. (Cl. 220—67)



1. In a shipping container for heavy substances the combination of a cylindrical body, a bottom seamed thereto, a stiffening wire enclosed within the outwardly bent top margin of said body, a detachable cover fitting within the top of the body and partially enclosing the top margin of said body and bent to engage below the wire-enclosing part of the body, said bottom being elevated above the bottom margin of the container, the outer

portions of the body and bottom being united in a double seam, intermediate portions of the body and bottom being outwardly flared to constitute with said bottom an obtuse angle to reenforce said container when lying or rolled on its side, said intermediate portions of the body and bottom being disposed in contact with each other and inclined downward and outward to said double seam, to strongly support said container and contents when it stands erect and to locate said double seam in vertical line with the top closure of the container, so that the top and bottom ends of the container are of the same circumference, for supporting said container for rolling in a straight line when the container is lying on its side.

2,182,814
PHOTOGRAPHIC FILM
Martin Marasco, New Brunswick, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application December 12, 1938, Serial No. 245,274
17 Claims. (Cl. 95—9)

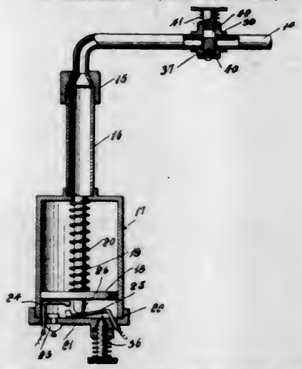


1. A photographic element comprising a light sensitive layer joined to a support by means of an adhesive layer of a polymeric, amino-nitrogen containing substance soluble in aqueous acetic acid of concentrations within the range 2–5%, but insoluble in water and 5% aqueous ammonia.

2,182,815
COLOR-FORMING PHOTOGRAPHIC COMPOSITIONS AND PROCESSES
Edmund B. Middleton, Metuchen, and Andrew B. Jennings, New Brunswick, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 23, 1938, Serial No. 242,112
14 Claims. (Cl. 95—6)

1. A color-forming photographic developer comprising an aromatic amino photographic developing agent and a dicyanacetamino bisazole.

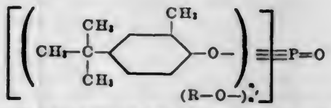
2,182,816
PNEUMATIC DIRECTION SIGNAL LIGHT
John F. Moffett, Decatur, Ill., assignor of one-half to Willa Mae Moffett, Decatur, Ill.
Application December 3, 1936, Serial No. 114,048
2 Claims. (Cl. 200—82)



1. A device of the class described for vacuum or pressure operation comprising a cylinder, a tube to conduct the operating media extending from the cylinder, a piston in the cylinder to be operated by the vacuum or pressure, a stem on the piston extending into the end wall of the cylinder remote to the piston, said tube being alined with said stem to accommodate the movement of the stem, a spring engaging the piston and compressible through its movement, contacts carried by and located within the cylinder, means on the piston on the opposite side to the spring to disengage one contact from the other at one limit of movement of the piston, said contacts being adapted for connection in an electric circuit.

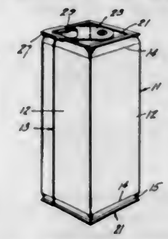
2,182,817
LIQUID TRIARYL PHOSPHATES
Clarence L. Moyle, Midland, Mich., assignor to The Dow Chemcal Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 1, 1938, Serial No. 243,323
7 Claims. (Cl. 260—461)

1. A liquid triaryl phosphate having the general formula:



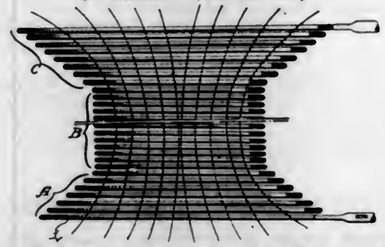
wherein R represents an aryl radical and n and n' each represents an integer, the sum of n and n' being equal to 3.

2,182,818
CONTAINER CLOSURE
John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 11, 1937, Serial No. 179,363
3 Claims. (Cl. 229—7)



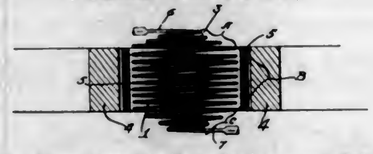
1. A closure for liquid holding and dispensing containers, comprising in combination, a tubular fibre body having its top and bottom portions extending inwardly to provide end supporting outwardly projecting shoulders, end disks supported by said shoulders and sealed to said body by securing the marginal edges of said body over said disks in liquid proof joints, a said end disk having a pouring and filling opening adjacent a said joint, a closure including a friction plug to close and seal said opening, said closure having a portion thereof extended to completely cover said joint within the pouring area, said extension being folded over and under the adjacent of said shoulders to obviate the provision of auxiliary retaining means for said extension, whereby said extension covers the entire surface surrounding said opening with which said liquid comes in contact as it is poured from said container.

2,182,819
INDUCTION HEATING DEVICE
David Pisarev, Bethlehem, Pa.
Application October 27, 1937, Serial No. 171,358
8 Claims. (Cl. 13—27)



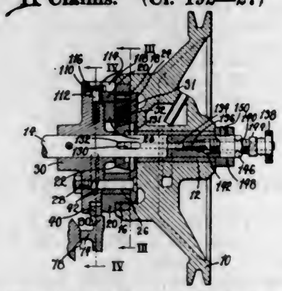
1. An induction furnace or the like comprising an induction coil comprising a substantially cylindrical portion and end portions arranged in outwardly opening relation with respect to said cylindrical portion, a crucible disposed within the cylindrical portion of said coil so as to be in the direct path of its magnetic axis, said outwardly opening end portions of the coil constituting means adapted to direct the magnetic flux more toward the axis of said cylindrical portion and centrally of the crucible.

2,182,820
INDUCTION COIL
David Pisarev, Bethlehem, Pa.
Application December 21, 1938, Serial No. 247,085
7 Claims. (Cl. 219—47)



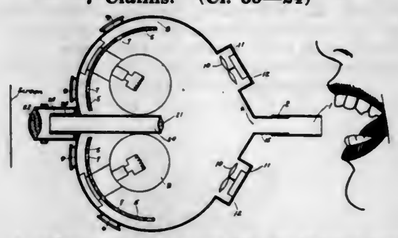
1. An inductive heating device comprising an induction coil consisting of a winding of wire having a central heating portion of wire arranged for disposition within a susceptor to be heated, and end portions of wire arranged in inwardly offset relation with respect to said central portion.

2,182,821
CLUTCH MECHANISM
Charles A. Robinson, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 20, 1937, Serial No. 164,710
11 Claims. (Cl. 192—27)



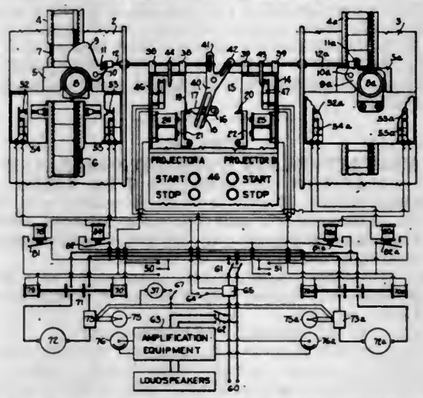
1. A pressure receiving and relieving mechanism for a roller clutch, said mechanism having, in combination, a shaft, an axially-tapered member coaxial with the shaft and movable longitudinally axially relatively thereto, means to resist such movement during normal operation of the clutch, and means to permit such movement when the clutch cannot be disengaged normally.

2,182,822
APPARATUS FOR DENTAL PROJECTION
Jacob A. Saffir, Rockford, Ill., assignor of one-half to John A. Korengold, Chicago, Ill.
Application April 23, 1936, Serial No. 75,974
7 Claims. (Cl. 88—24)



1. A reflecting apparatus for projecting images of the oral cavity, having in combination a casing, a light source within said casing, there being two light apertures in said casing, a tubular extension at one of the apertures to permit flooding the oral cavity with light from the light source within said casing, and said same tube receiving the reflected image from the oral cavity to pass back and be transmitted through the second aperture onto a screen.

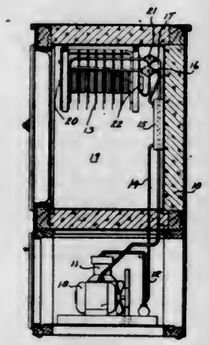
2,182,823
SOUND FILM SYSTEM
Gordon Brown Scheibell, Millburn, N. J.; William O. Scheibell, administrator of said Gordon B. Scheibell, deceased
Continuation of application Serial No. 443,398, April 11, 1930. This application January 16, 1935, Serial No. 2,134
15 Claims. (Cl. 179—100.3)



1. In a reproduction system a continuous program recorded in parts on a plurality of film tracks, means for moving said film tracks, photosensitive means, a sound reproducing circuit under control of said photosensitive means, means for effectively producing and directing light through a selected one of said film tracks to said photosensitive means for the reproduction of a part of said program, and quick-acting means

including a mechanical trigger arrangement automatically operative at a predetermined movement of said selected film track for causing the sudden effective direction of light through another film track for the reproduction of another part of said program whereby said entire program is continuously reproduced by said sound circuit under control of said film tracks one after the other substantially without interruption throughout said film tracks.

2,182,824
REFRIGERATING APPARATUS
Sylvester M. Schweller, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application March 23, 1933, Serial No. 662,304 Renewed February 23, 1939
13 Claims. (Cl. 62—3)



1. The method of refrigeration of a cabinet or the like by means of a system having a compressor, condenser and evaporator in a closed cycle, which comprises operating the compressor continuously during the entire period of refrigeration requirement of said cabinet, throttling the return of evaporated refrigerant from said evaporator to said compressor in accordance with cabinet temperatures and cooling condensed refrigerant before entrance in said evaporator by means of evaporated refrigerant after it has been throttled.

2,182,825
DERIVATIVES OF ANDROSTENOLS AND A METHOD OF MAKING THE SAME
Arthur Serini, Berlin, Lothar Strassberger, Berlin-Wilmersdorf, and Willy Logemann, Berlin, Germany, assignors to Schering Aktiengesellschaft, a corporation of Germany
No Drawing. Application January 27, 1936, Serial No. 61,086. In Germany January 29, 1935
23 Claims. (Cl. 260—397)

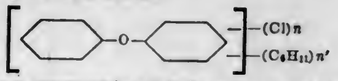
1. A method for the production of halogenated androstenol compounds comprising subjecting androstenolone compounds, wherein the hydroxy group is replaced by a group that, upon hydrolysis, is reconvertible into the hydroxy group, to the action of reducing agents capable of reducing the carbonylic group of said androstenol compounds to the secondary alcohol group, substantially without affecting the double bond present in said androstenolone compounds, and replacing the secondary alcohol group of the androstendiol compound obtained, by halogen.

2,182,826
METHOD FOR THE PREPARATION OF TERPENE ETHERS
Donald H. Sheffield, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1936, Serial No. 64,169
18 Claims. (Cl. 260—611)

1. A terpene ether derived from an unsaturated terpene compound by the addition of a monohydric alcohol containing not less than three carbon atoms to a double bond of the unsaturated terpene compound.

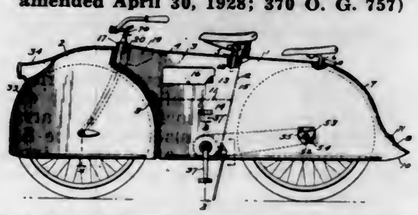
2,182,827
CYCLOHEXYLATED CHLORO-DIPHENYL ETHERS
Frank B. Smith, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 18, 1938, Serial No. 241,180
5 Claims. (Cl. 260—612)

1. A cyclohexylated chloro-diphenyl ether having the general formula



wherein n represents an integer not greater than 3, and n' represents an integer not greater than 4.

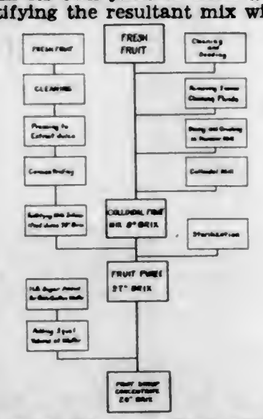
2,182,828
BICYCLE
Ohmer E. Stutsman and George L. Becker, Dayton, Ohio
Application June 17, 1937, Serial No. 148,724
4 Claims. (Cl. 280—281)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



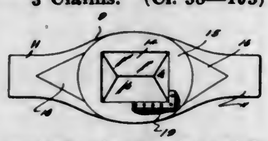
1. A bicycle frame comprising a metallic shell presenting in vertical section an inverted U-shaped structure and including parallel side plates cut away at the front of the shell to define a forwardly projecting steering head portion, an intermediate ledge portion interconnecting the side plates along their upper edges, said ledge portion being curved outwardly and downwardly at the rear of the shell to impart a rounded formation thereto, intersecting bulkheads within and coacting with the shell to receive the concentrated loads absorbed by said shell, said bulkheads dividing the interior of the shell into forwardly located bulkhead compartments, and a rearwardly disposed hood adapted to embrace the rear wheel.

2,182,829
METHOD OF MAKING A FRUIT CONCENTRATE
Norman M. Thomas, Brooklyn, N. Y., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application February 19, 1937, Serial No. 126,557
5 Claims. (Cl. 99—205)

1. The method of making a fruit puree which comprises washing and seeding a fresh fruit, reducing the seeded fruit pulp to a colloidal state and distributing the same in colloidal suspension in its own juice to form a syrupy fruit mix, fortifying the resultant mix with an intensified juice of the same fruit which has been concentrated without the direct application of heat, and then heat treating the concentrate to invert at least forty percent of the sucrose and to effect sterilization.

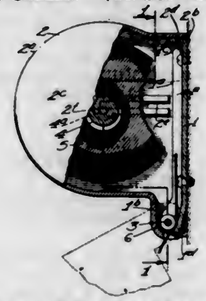


2,182,830
WRIST WATCH PROTECTOR
Robert Vernon Vedder, Oklahoma City, Okla.
Application September 14, 1938, Serial No. 229,971
3 Claims. (Cl. 58—105)



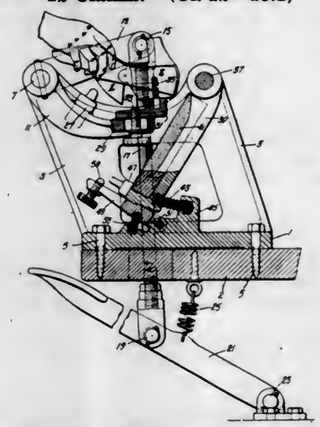
3. In a protector for a wrist watch a body portion adapted to envelope the casing of said watch, said body portion being provided at one side thereof with a sight opening, a frame of resilient material disposed marginally of said opening and provided with an internal slit, and a transparent member closing said opening and having a flat continuous perforated flange fitting within the slit of said frame.

2,182,831
PAPER ROLL HOLDER
Laurence A. Wagner, Torrance, Calif.
Application June 8, 1934, Serial No. 729,587
6 Claims. (Cl. 242—55.2)



1. In a device of the class described, a housing open at its back, a bracket for pivotally supporting the same with its open back against a wall, means for supporting a paper roll in the housing, and a feed roller rotatably mounted at the lower end of the housing, the bracket having a portion thereof forming an inclined wall resiliently directed toward the back of the roller for forcing paper from the roll against the roller.

2,182,832
MACHINE FOR REMOVING SHOES FROM LASTS
John M. Whelton, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 24, 1938, Serial No. 192,340
12 Claims. (Cl. 12—15.1)

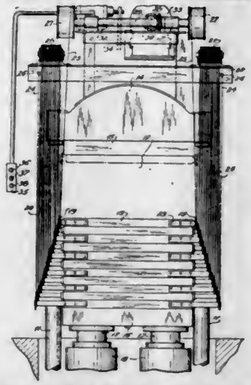


1. In a machine for removing shoes from lasts, a support for a last with a shoe thereon, a fulcrum on which the said last support is pivotally mounted, means for swinging said last support about said fulcrum, a delasting means engaging the outside of the shoe and positioned in the path of movement of the counter portion of the shoe, a fulcrum on which said delasting means is pivotally mounted, and means for restraining the movement of said delasting means upon pressure of the shoe thereagainst.

2,182,833
VULCANIZING PRESS
Edmund M. Winegar, Willoughby, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application July 23, 1936, Serial No. 92,056
2 Claims. (Cl. 18—17)

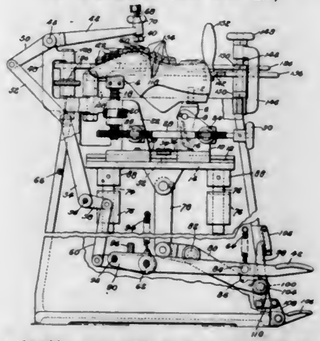
1. In a vulcanizing press, an upright frame having an opening therein and a stationary upper platen of quadrangular shape, a set of sheaves on the frame adjacent each of the four corners of the stationary upper platen, a tier of movable platens beneath the stationary upper platen and of a quadrangular shape corresponding with the latter, sheaves connected with each movable platen adjacent the four corners thereof, said tier being of a height substantially less than the height of the frame opening and the platens of the tier being movable substantially vertically in said frame opening for cooperation with said stationary upper platen and with each other, cables looped around said sets of sheaves and the corresponding corner sheaves of the movable

platens, rotatable drums on the frame adjacent the corners of the stationary platen and operable to take up the cables for lifting the platens of said tier individually in succession and to pay



out the cables in lowering the entire tier as a unit, and a fluid pressure cylinder beneath said tier and operable to apply pressure thereto after the platens have been lifted by the cables.

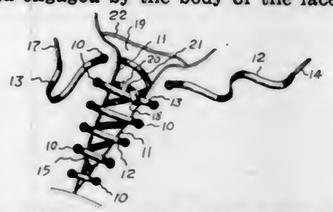
2,182,834
LASTING MACHINE
Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 2, 1938, Serial No. 243,614
34 Claims. (Cl. 12—12)



1. In a lasting machine, the combination with a support for a last and its shoe materials, of forepart-lasting devices movable to lay the margin of the shoe upper inwardly over the bottom of the last at the opposite sides of the forepart, shank-lasting devices movable to lay the margin of the upper inwardly at the sides of the shank portion of the shoe, and waist-lasting devices movable laterally of the shoe in different directions than said forepart and shank-lasting devices with predetermined components of movement lengthwise of the shoe toward its toe end to lay the margin of the upper inwardly at the sides of the waist portion of the shoe.

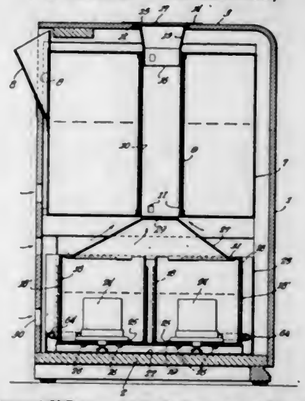
2,182,835
SHOE LACING
William Zapis, Brooklyn, N. Y.
Application July 7, 1939, Serial No. 283,167
5 Claims. (Cl. 24—140)

1. A lacing means for footwear comprising adjacent rows of eyelets at the edges of the opening, a strap formed upon the tongue of the footwear, a lace engaging said strap and certain of the eyelets, a loop formed at one end of said lace and engaged by the body of the lace to re-



tain the said strap in definitely spaced relation to one of said eyelets, a separate lace engaging the remaining eyelets, and a loop formed on one end of the latter lace and penetrated by the said lace to anchor the looped end of such lace.

2,182,836
HUMIDIFIER
John G. Zummach, Racine, Wis.
Application June 16, 1938, Serial No. 214,109
9 Claims. (Cl. 219—38)

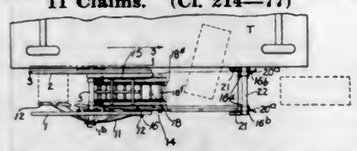


1. A humidifier comprising a cabinet having a discharge opening at its upper portion, a reservoir in the upper part of the cabinet, a boiler in the lower portion of the cabinet, said boiler comprising a tank like member and a heater therein, means for supplying water from the reservoir to the boiler, automatic means for maintaining a predetermined water level in the boiler, a stack passing upwardly from adjacent said boiler and adapted to entrain heated air and water vapor, said stack leading to said discharge opening and being open at its top and bottom for the free upward passage therethrough of heated air and water vapor, whereby rising air through said stack will entrain water vaporized by said boiler and discharge the moisture-laden heated air from the upper portion of said cabinet.

2,182,837
METHOD OF PAVING
Raymond F. Bacon, Bronxville, N. Y., and Isaac Bencowitz, Gulf, Tex., assignors to Texas Gulf Sulphur Company, Houston, Tex., a corporation of Texas
No Drawing. Application February 25, 1936, Serial No. 65,688
8 Claims. (Cl. 94—23)

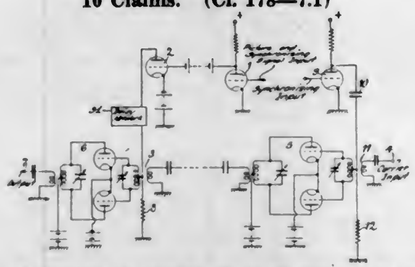
1. The method of providing a surface coating which comprises forming a plastic composition comprising elemental sulphur and asphalt, applying the composition to the surface to be coated, and burning the exposed surface of the coating thus formed to effect a chemical reaction between the elemental sulphur and the asphalt contained in the surface portion of the coating.

2,182,838
LOADING MACHINE
Grattan G. Bennett, Heber, Calif.
Application June 18, 1938, Serial No. 214,498
11 Claims. (Cl. 214—77)



1. In a loading machine, a platform pivotally connected at its forward end at one side with the forward portion of a truck, a shaft secured in connection with said platform, a pair of ground engaging platform supporting wheels in spaced relation revolubly mounted on said shaft, a hub revolubly mounted on said shaft at an angle to the main portion of its axis, spring members secured to said hub at their inner ends and a portion of them extending between the spokes of said wheel at their extended ends, sprockets secured to one of said wheels, a conveyor mounted on said platform with one end extending between said wheels, a chain connecting said sprocket wheel with said conveyor, and shoe members secured on the extended ends of each of said spring members.

2,182,839
TELEVISION AND LIKE TRANSMITTING SYSTEM
Alan Dower Blumlein and Eric Arthur Nind, Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application April 17, 1936, Serial No. 74,928
In Great Britain April 3, 1935
10 Claims. (Cl. 178—7.1)

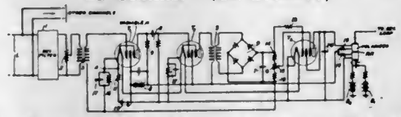


1. A method of transmission by modulated carrier, for use in television and like systems, which method comprises generating a carrier oscillation, modulating the amplitude of said carrier by trains of picture signals having intervals between trains, and reducing the amplitude of said carrier to zero by modulating by synchronising signals at a secondary modulating point intermediate the generation and modulation of the carrier oscillation by the trains of picture signals, modulation at the secondary modulating point being effected in such a manner that the amplitude of the modulated carrier oscillations is equal substantially to zero during said intervals.

2,182,840
SHIP BOTTOM PAINT
Giuseppe Capurro, Union City, N. J.
No Drawing. Application January 4, 1939, Serial No. 249,275
1 Claim. (Cl. 134—41)

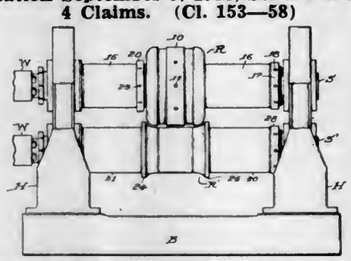
An anti-corrosive, non-fouling composition for surfaces subjected to water, comprising a mixture of coal tar 36 percent, sulphur 28 percent, resin 14 percent, Paris green 3 percent, and benzol 19 percent, all by weight, intimately mixed and boiled not to exceed two hours.

2,182,841
REDUCTION OF DISTORTION IN SIGNAL TRANSMISSION SYSTEMS
James R. Davey, Kew Gardens, N. Y., and John L. Hysko, Ridgewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1938, Serial No. 208,790
11 Claims. (Cl. 178—70)



1. A circuit for compensating for the variations in amplitude level of transmitted signals in a signal transmission circuit, comprising an electron discharge device connected in said circuit, having a cathode, an anode, and a control grid and a second grid spaced consecutively between said cathode and said anode, means positively biasing said anode with respect to said cathode, circuits respectively connecting said control grid and said second grid to said cathode, means to impress said signals on the control grid-cathode circuit, means to apply to said second grid a direct-current voltage varying in accordance with the level of said signals, and means to utilize the variations in the current produced in the second grid cathode circuit when said second grid is driven positive by the applied voltage to control the gain of said transmission circuit in such manner as to produce the desired compensation for signal level variations.

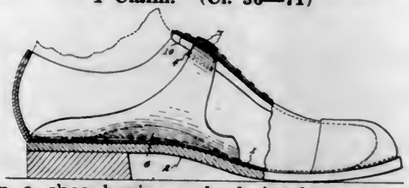
2,182,842
FORMING MACHINE ROLL
Cyril Firth, Youngstown, Ohio, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Application September 9, 1938, Serial No. 229,051
4 Claims. (Cl. 153—58)



1. A shaft and roll assembly for a forming machine comprising a shaft having a fixed shoulder, a pair of circular roll end members mounted in axially spaced relation thereon, means interposed between said members adapted to adjustably space them apart, an adjustable collar on the shaft on the opposite side of the roll end members

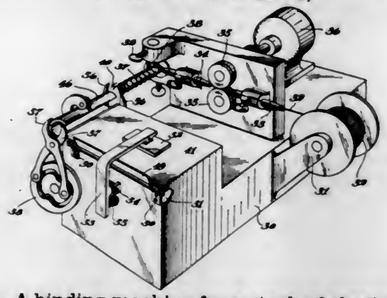
from said shoulder, and means respectively interposed between the latter and the adjacent end member and between the other end member and the collar for positioning axially of the shaft the end members and interposed adjusting means as a unit.

2,182,843
SHOE
Mortimer B. Flynn and John L. Cobb, Chicago, Ill.
Application June 4, 1938, Serial No. 211,766
1 Claim. (Cl. 36—71)



In a shoe having a heel, insole and upper, means constructed and arranged to exert an upward and outward pull upon and to support the longitudinal or inner arch and the heel of the foot, said means consisting of a foot support extending from the ball line rearwardly to the heel end of the insole and having its outer longitudinal edge and substantially the outer half of its heel edge secured to corresponding edges of the insole, an extension on the inner longitudinal edge of the foot support ending in a strap portion extending across the top of the shoe at the inner surface thereof, then through the upper, and means on the exterior of the shoe for adjustably securing the end of the said strap portion.

2,182,844
MACHINE FOR MAKING A SPIRALLY BOUND SHEAF
Walter Grumbacher, New York, N. Y., assignor to Spiral Binding Co. Inc., New York, N. Y., a corporation of New York
Application February 16, 1933, Serial No. 656,994
5 Claims. (Cl. 11—1)

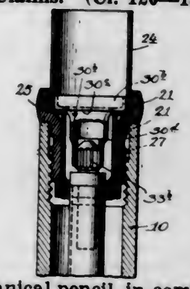


1. A binding machine for a stack of sheets having a line of equally spaced perforations along one edge, comprising a support for a supply of wire, means for advancing said wire endwise from said support, means for permanently deflecting said wire, during its advance, into the form of a continuous spiral, and means for directing the resultant rotating spiral, turn by turn, into threaded engagement with the perforations of said stack; said last-named means comprising a support for said stack including a tubular housing for the perforated edge, said housing being receptively aligned with the rotating and advancing spiral so as to accommodate and guide said spiral during the threading operation.

2,182,845
ORE DRESSING
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application February 13, 1935, Serial No. 6,393
3 Claims. (Cl. 209—166)

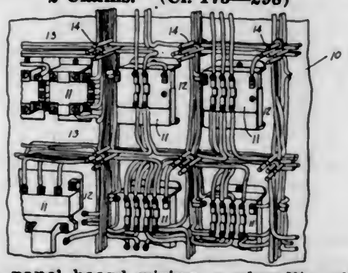
1. A process for concentrating ores containing potassium chloride and sodium chloride, which comprises subjecting the ore pulp, in a substantially saturated brine, to a froth flotation treatment in the presence of octyl sulphate or soluble salts thereof.

2,182,846
MECHANICAL PENCIL
Hugo S. Hasselquist, Oak Park, Ill., assignor to Rite-Rite Mfg. Co., Chicago, Ill., a corporation of Illinois
Application April 20, 1938, Serial No. 203,005
12 Claims. (Cl. 120—18)



8. In a mechanical pencil, in combination with a tubular barrel open at both ends, a tip at one end of said barrel, a lead operating assembly centrally located in said barrel, means for securing said assembly in said barrel permitting a longitudinal withdrawal of said assembly through the head end of said barrel, a removable tubular member connected to said head end of said barrel, a drive stud for operating said lead assembly, and a drive cup operatively engaged with said drive stud rotatable with said tubular removable member and capable of disengagement from said stud when withdrawn longitudinally.

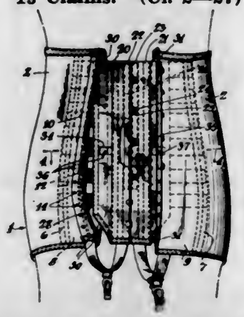
2,182,847
PANEL BOARD WIRING APPARATUS
Edward C. W. Johnson, Indianapolis, Ind., assignor to Scherer Electric Company, Indianapolis, Ind., a corporation
Application February 2, 1939, Serial No. 254,214
2 Claims. (Cl. 175—298)



1. In panel board wiring, a plurality of electrical units mounted on a panel board and having intersecting wiring lanes therebetween, and a group of pins mounted on said panel board at each of the intersections of said wiring lanes, said pins projecting substantially normally from said panel board and being positioned to engage diametrically opposite points on insulated

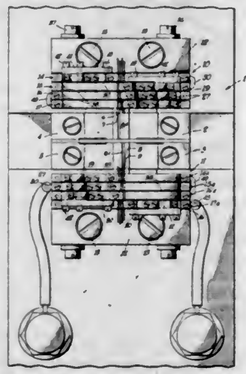
wires extending in the directions of said wiring lanes, the spacing of said pins being slightly less than the outside diameter of said wires, whereby the insulation thereof is slightly compressed in the insertion of the wires for holding the same firmly in place.

2,182,848
CORSET
Joseph J. Kispert, Hamden, Conn.
Application October 14, 1938, Serial No. 234,879
13 Claims. (Cl. 2—27)



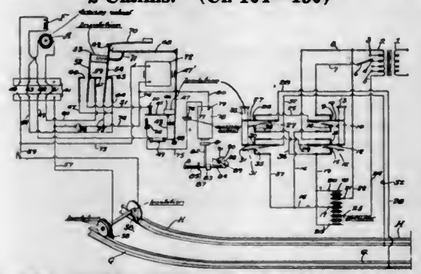
1. In a corset of the type described, a body having an opening, a two-part vest adapted to span said opening, elastic means securing said vest to said body, separable fastening means for securing the two parts of said vest and holding said elastic means under tension, outer flaps secured to said body to overlie said vest, said flaps being adapted to be pulled together over said vest for securing the corset in position, inner flaps secured to said body to underlie said elastic means when the corset is in wearing position so as to prevent the elastic means from contacting the flesh of the wearer, and connecting means causing the inner flaps to slide with said outer flaps over said vest as the outer flaps are pulled together so that the inner flaps are held flat and are prevented from wrinkling due to adjustment of the corset.

2,182,849
RIBBON MOUNT FOR LIGHT VALVES
Otis C. Martin, Los Angeles, Calif., assignor to Electrical Research Products, Inc., a corporation of Delaware
Application April 28, 1938, Serial No. 204,923
9 Claims. (Cl. 88—61)



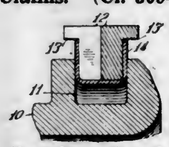
1. In a device for mounting metal ribbons on light valves, a base having means thereon defining a light aperture, a ribbon mounting unit on each side of said aperture, each unit comprising a mounting block and a plurality of ribbon clamp assemblies, one clamp assembly for each of said ribbons, means common to all said clamp assemblies for mounting said clamp assemblies upon said mounting block, means for insulating said assemblies from said block and from each other, and means for detachably securing said mounting block to said base.

2,182,850
ELECTRIC CONTROL MECHANISM
Henry Bentley Middleton, Philadelphia, Pa.
Application May 15, 1936, Serial No. 79,940
2 Claims. (Cl. 104—150)



1. The combination with a traction wheel and an electric motor therefor and a coupler and an electric actuator therefor, of operating and control mechanism including as elements a source of alternating current, a source of direct current, an electromagnet energizable by direct current only, a switch operable by said electromagnet for putting said motor in circuit with said alternating current source or said actuator in circuit with said direct current source, a circuit between said switch and motor including motor reversing mechanism operable by said electromagnet, a circuit between said switch and actuator including a unilateral conductor permitting unidirectional current flow, and means connecting said elements in circuit and including switching mechanism for connecting one side of said switch alternately in circuit with the alternating current source and with the positive polarity of the direct current source or for connecting said side of said switch alternately with the alternating current source and with the negative polarity of the direct current source.

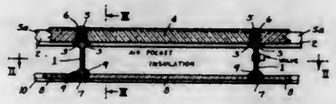
2,182,851
PISTON RING JOINT SEALING AND EXPANDING MEANS
Henry E. Muchnic, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas
Application August 27, 1937, Serial No. 161,289
2 Claims. (Cl. 309—43)



1. Means of the character described comprising, in combination with a piston provided with a ring receiving groove and a piston ring composed of complemental segmental sections arranged in parallel circumferential rows, a split

annular channeled member formed to lap the sides and the bottoms of the segmental piston ring sections so as to seal the joints between the respective ring sections and to have expanding movement in the ring groove of the piston.

2,182,852
GLASS-ROOF ROOF LIGHT AND THE LIKE
Logan Willard Mulford, Kew Gardens, N. Y.
Application January 31, 1936, Serial No. 61,715
8 Claims. (Cl. 108—16)



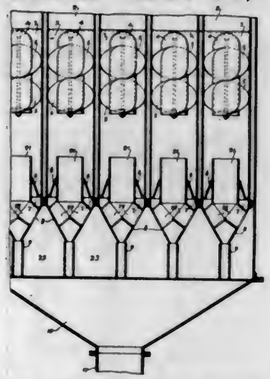
7. A roof light having outer and inner plates of translucent material, means for supporting the same in fixed spaced relation whereby an air-pocket is formed therebetween, means of support for the outer translucent areas so constructed and arranged whereby sealing material is permanently held between the adjacent edges thereof substantially flush with the outer surface providing a flush water-shedding outer surface.

2,182,853
GARMENT HOLDING CLIP
Lee Oliver, New York, N. Y., assignor to The Connecticut Web and Buckle Company, Bridgeport, Conn., a corporation of Connecticut
Application August 20, 1938, Serial No. 225,877
3 Claims. (Cl. 24—258)



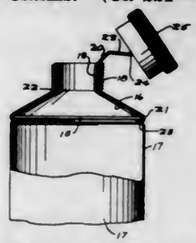
3. In a clip of the class described, a one-piece body comprising a pair of arms connected at one end and having their other ends providing normally separated gripping jaws adapted to be forced toward each other to grip a garment, a pair of ears on the side edges of one of the arms and extending across the edges of the other arm, said ears comprising similarly shaped hooked portions in their lower edges the open sides of which are toward the arms and directed laterally substantially in the plane thereof, a lever including spaced side arms connected at their outer ends by a bar for connection to a strap, a second connecting bar between the inner ends of the side arms and adapted to enter said hooks to pivot the lever on the body, said second bar including a laterally extending cam means between the ears to engage the outer wall of the second body arm to press the arms together when swung into the plane of the body, and said cam means being located to permit insertion and removal of its lever bar through the open sides of the hooks when the arms of the body are pressed together and said connecting bar is substantially parallel with the plane of the body.

2,182,854
DUST COLLECTION APPARATUS
Henry W. Pfeffer, Philadelphia, Pa., and Harry O. Danz, Detroit, Mich., assignors to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application July 24, 1937, Serial No. 155,468
9 Claims. (Cl. 183—107)



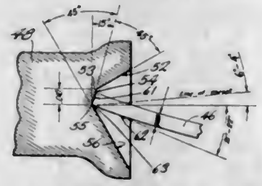
1. In a dust collector, a passageway for dust-laden air, a collector therein comprising a plurality of parallel vertically disposed tubes, a spherical-faced cylindrical member with a spiral helix on the exterior thereof located in each tube at the entrance thereto, a skirted tubular member at the bottom of each tube comprising means for extracting the dust-free air at the center of the tube and conveying it away laterally of the tube, means for conveying the dust on the inside of the tube adjacent its inner wall to a point centrally of the tube, means connected to the dust collection means for conveying said dust and its entrained air to a secondary collector, means for extracting said entrained air from said secondary collector, and means of conveying dust-free air from the secondary collector into the entrance of the first mentioned collector.

2,182,855
CAP RETAINER
Robert P. Rexroth, Franklin, Ind.
Application August 5, 1939, Serial No. 288,482
6 Claims. (Cl. 221—60)



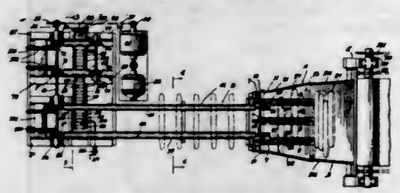
1. For a container having a tubular body terminating in an end wall carrying a discharge nipple, a cap adapted to engage said nipple, a wire formed to fit around the inside of the container body to abut said end wall, a second wire-like member hinged to the first wire and radially extending therefrom and around upwardly by a length sufficient to permit it to swing through said nipple, and means swivelly connecting the wire to said cap, whereby the cap may be detached from the nipple, carried to one side thereof, and there be retained by said second wire.

2,182,856
COMPRESSION SPRING SUPPORT
Arthur Lewis Riche, Freeport, Ill., assignor, by mesne assignments, to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application February 20, 1937, Serial No. 126,789
Renewed October 30, 1939
14 Claims. (Cl. 74—100)



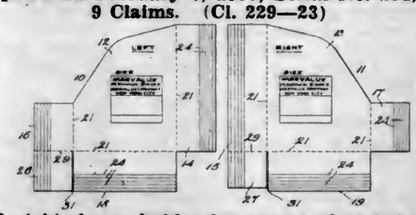
1. In combination in a spring snap mechanism of the class described, a bowed thin leaf spring and a support therefor, the support for said thin leaf spring including means providing a notch in the form of a dihedral angle, said spring having a dihedral corner of substantially 90° formed by the meeting of the tension face of said leaf spring with a face substantially perpendicular to the longitudinal chord of the spring, said dihedral corner of said thin leaf spring being seated in said dihedral angle of said support, so that the vertices of said angles of the spring and the support coincide.

2,182,857
MATERIAL HANDLING MECHANISM
Eugene W. Steele, Sewaren, and Fernando A. Morin, Fords, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application January 7, 1936, Serial No. 57,891
10 Claims. (Cl. 214—11)



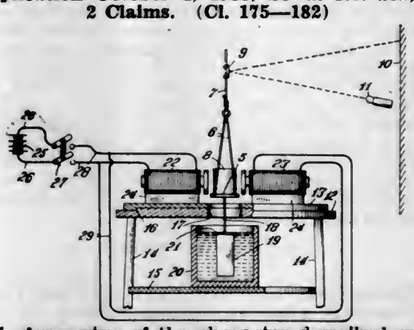
2. Inspection apparatus for copper wire bars comprising, in combination, an inspection table comprising a main conveyor adapted to receive the wire bars laid transversely thereof in substantially equi-spaced relation, a selector gravity conveyor intersecting the said main conveyor, pivotal mounting means at the foot of the selector conveyor enabling the said selector conveyor to be rotated vertically upon the pivotal mounting between operative and inoperative positions, the said selector conveyor having its receiving end free, fluid-pressure actuated lifting mechanism connected to the selector conveyor for lifting the same about its pivotal mounting and into tilted opertative position in engagement with pre-selected wire bars on the main conveyor for lifting a pre-selected wire-bar from the main conveyor onto the selector conveyor without interference with the wire bars on the main conveyor while allowing the wire-bars to pass lengthwise along the selector conveyor, and a secondary conveyor intersecting the selector conveyor for removing from the selector conveyor the wire bars thereon responsively to the return of the selector conveyor to inoperative position.

2,182,858
BINDER OR HOLDER FOR GROUPS OF PERIODICALS AND THE LIKE, AND ELEMENTS THEREOF
Gustave R. Thompson, New York, N. Y.
Application February 7, 1939, Serial No. 254,985
9 Claims. (Cl. 229—23)



2. A binder or holder for groups of periodicals and the like, open at the top and composed of two substantially enantiomorphic pieces of sheet material, each having front and back end-flaps and a bottom flap, the flaps on one piece being folded and cut so as to overlap the flaps on the companion enantiomorphic piece, and means for fastening together the overlapped flaps, one of the end-flaps of each piece being of substantially less height than the height of periodicals, approximating the height of the opposite end-flap, for which the binder is designed, the upper portions of the sides slanting from the low end-flaps to the opposite end-flaps, to provide freedom at one corner of the binder for separating units of the contents to enable a unit to be readily grasped and removed, or replaced, without excessive strain on the binder.

2,182,859
APPARATUS FOR ORIENTING MATERIALS
Randall Wright, San Buenaventura, Calif.
Application October 1, 1938, Serial No. 232,789
2 Claims. (Cl. 175—182)

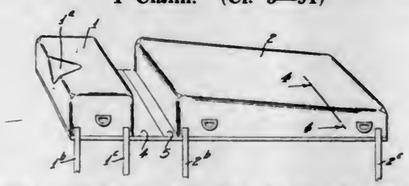


1. Apparatus of the character described comprising a material holding non-magnetic platform suspended from above by a vertically disposed torsion non-resisting flexible element so as to be free to oscillate horizontally; a rigidly held vane depending from the bottom of the platform; a reflector vertically secured to said element to rotate therewith; a light-beam providing source fixedly arranged to direct the light-beam on said reflector; a vertically disposed reflection receiving member; a table provided with a rotatable top having a central opening for passage of said vane therethrough, said top being arranged beneath the material-holding platform; magnetic means arranged on said rotatable table top substantially in the horizontal plane of the material on said platform and in predetermined spaced relation with and on opposite sides of the material holding member; and controllable means whereby said magnetic means may be energized and deenergized.

2,182,860
CATHODE RAY TUBE FLUORESCENT SCREEN
Nicolaas Willem Hendrik Addink and Jan Hendrik de Boer, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application April 14, 1937, Serial No. 136,786. In the Netherlands April 14, 1936
1 Claim. (Cl. 250—164)

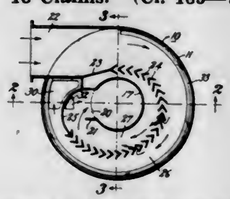
A luminescent screen comprising a mixture of cadmium tungstate and magnesium silicate, said mixture emitting white light under the impact of a beam of electrons, the spectral emission being substantially invariant with respect to the velocity of the impacting electrons.

2,182,861
ADJUSTABLE TREATMENT PAD
Suzanne A. Albert, San Diego, Calif.
Application January 21, 1937, Serial No. 121,495
1 Claim. (Cl. 5—91)



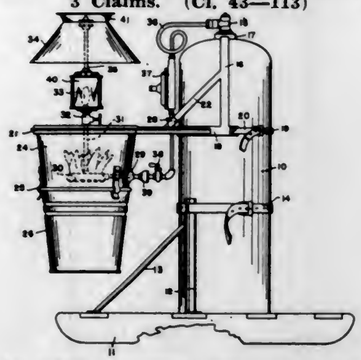
In a portable treatment pad, a head and shoulder pad member, a body and leg pad member spaced from and aligned with said head and shoulder pad member, means adjustably connecting said pad members whereby the space between the said pad members may be varied, said connecting means comprising a connecting member fixed to one of said pad members and separable fastening means having parts thereof respectively on said connecting member and on the other of said pad members, the parts of said fastening means on one of said members being spaced longitudinally thereof whereby adjustment of the space between said pad members is effected by engaging selected ones of said longitudinally spaced fastener parts with the fastener parts on said other member.

2,182,862
SEPARATING METHOD AND APPARATUS
Thomas B. Allardice, Mountain Lakes, N. J.
Application April 10, 1934, Serial No. 719,837
18 Claims. (Cl. 183—79)



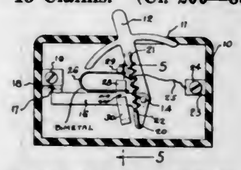
1. The method of separating gases and solid matter carried in suspension thereby which comprises flowing a stream of the gases carrying the solid matter in a curved path of gradually diminishing area of flow to cause the solid matter to flow in the outer peripheral portion of the stream, continually separating gases from the inner peripheral portion only of the stream and causing the separated gas portions to abruptly change their direction of flow to separate them from the solid matter carried thereby, causing the remaining gases and solid matter to flow into a hopper for collecting the solid matter, and separating the said gases from the solid matter carried thereby into the hopper.

2,182,863
INSECT EXTERMINATOR
Mae E. Dodder, Colton, Calif.
Application March 6, 1939, Serial No. 260,063
3 Claims. (Cl. 43—113)



1. An insect destroyer comprising in combination a flame element, a light element above the flame element, a colored translucent shade adjacent the light element, a bait receiver arranged so that the light element will attract insect life, illuminate the shade, and heat the bait receiver.

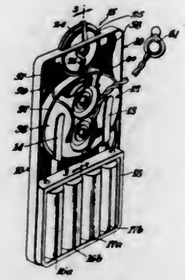
2,182,864
OVERLOAD PROTECTIVE SWITCH
William H. Frank, Detroit, Mich.
Application April 22, 1937, Serial No. 138,295
15 Claims. (Cl. 200—88)



1. In a device of the character described, a movable contact, a handle arranged to move the movable contact with a snap action, and to cooperate with other parts of the device to hold the contact in either one of its controlling positions, a circuit abnormality responsive means arranged to move the contact out of closed circuit position on the arising of a circuit abnormality, the means being arranged to have two different actions, one of which moves the contact a slight distance on moderate abnormality, and the other of which moves the contact a great distance, but only an intense abnormality.

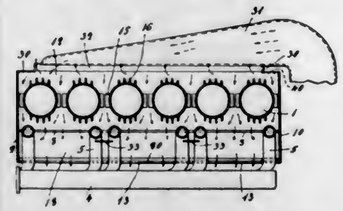
2,182,865
ACOUSTICAL DEVICE
Joseph M. Franzblau, Brooklyn, N. Y., assignor to Colonial Earphone Co. Inc., New York, N. Y.
Application March 4, 1938, Serial No. 193,912
10 Claims. (Cl. 179—107)

1. In an acoustical device, a housing, and suitably supported therein an electric battery, two-way switch means containing two independent contact terminals and a movable contact member selectively engageable upon manual manipulation alternately with either one or the other of said contact terminals, acoustical oscillating means containing a diaphragm and two adjacent buttons of conducting material adapted for operative engagement with the diaphragm and having portions flanking the center thereof, electric conducting means connecting one of said terminals



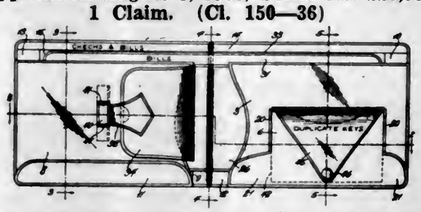
with one of said buttons and the other terminal to the other button, an earphone electrically connected to said diaphragm and said battery, and electrical conductors connected to the battery and adapted for engagement with said movable contact member whereby the earphone is operable by the circuit through either one or the other of the buttons, in accordance with the selective operative manipulation of the contact member.

2,182,866
MULTICYLINDER INTERNAL COMBUSTION ENGINE
John Bernhard Gabrielson, Stockholm, Sweden, assignor of one-half to Olof Edman, Stockholm, Sweden
Application October 15, 1937, Serial No. 169,133
In Sweden October 15, 1936
10 Claims. (Cl. 123—171)



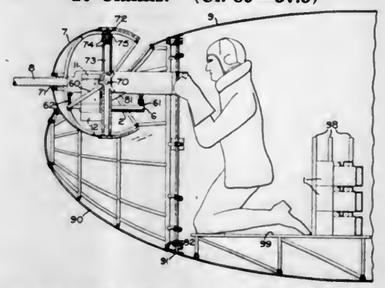
10. An air-cooled internal combustion engine comprising, in combination, a plurality of spacedly arranged cylinders provided with a cylinder head and comprising exhaust valves and exhaust passages arranged along one side of said cylinders and exhaust pipes connected with said exhaust passages, means for forming a passageway for a first current of air for cooling the head of said cylinders, means for forming another separate passage-way for a second current of air for cooling said cylinders, means for forming a third separate passage-way for a third current of air for cooling said exhaust pipes, said passage-ways for said three separate air currents extending across said cylinders, and means for supplying cooling air to said three separate passage-ways.

2,182,867
BILLFOLD
Leah L. Gardner, University City, Mo.
Application August 8, 1938, Serial No. 223,638
1 Claim. (Cl. 150—36)



In a billfold comprising an elongated outer wall, means forming an inner wall for the billfold with its uper edge substantially below the upper edge of said outer wall, and a partition of less length than and located between said outer and inner walls and forming two separate pockets between said walls, and having its upper edge below the upper edge of said outer wall and above the upper edge of said inner wall; a curtain integral with the upper edge of said outer wall extending downwardly and attached to the inner upper margin of the outer wall along a line above the upper edge of said partition and having a length greater than said partition and being extendible into the pocket at either side of said partition, reinforcing attaching portions integral with said curtain beyond the ends thereof and beyond the ends of said partition extending downwardly beyond the upper edges of said inner wall and attached to the inner surface of said outer wall beyond the ends of said partition, and means preventing longitudinal displacement of said partition with respect to said curtain and said reinforcing attaching portions.

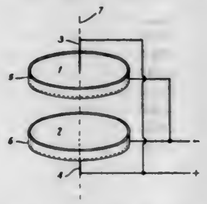
2,182,868
SHIELDED FLEXIBLE GUN MOUNT AND AMMUNITION CONTAINER THEREFOR
John F. Haberlin, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application January 11, 1937, Serial No. 119,905
10 Claims. (Cl. 89—37.5)



1. In combination with a machine gun for use upon an aircraft structure, and an enclosing and supporting shield for the gun open at its rear side, said shield being flexibly mounted upon the aircraft, means within and supported from the shield for thus supporting a gun, with its muzzle protruding from the front of the shield, said means including an arm extending rearwardly from the front of the shield towards its open rear side, whereon the gun is supported, a combined and unitary ammunition container and case and link receiver unit, and means carried by said arm supporting and guiding the latter, when inserted through the open rear end of the shield,

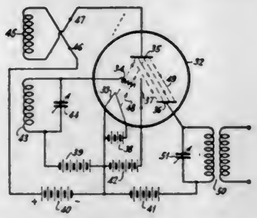
for movement of the unit into operative position relative to the gun, the unit having such shape, and the arm and shield being so disposed as to avoid interference during such movement into and from operative position.

2,182,869
ELECTRODE STRUCTURE
Walter Henneberg, Berlin-Reinickendorf, and Alfred Recknagel, Berlin, Germany, assignors to Allgemeine Elektricitats-Gesellschaft Friedrich Karl, Berlin, Germany, a corporation of Germany
Application February 19, 1937, Serial No. 126,546
In Germany February 29, 1936
7 Claims. (Cl. 250—159)



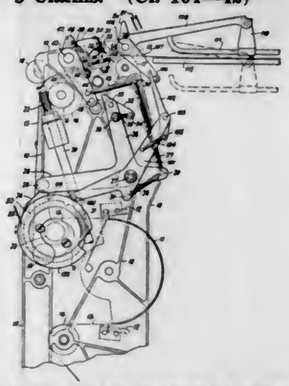
1. A cathode ray tube deflecting system comprising two parallelly spaced coaxial imperforate planar conducting disks, an annular cylindrical conducting member surrounding and in contact with each of the said disks, a conductor connected to each of said members, and a conductor connected to the center of each of said disks whereby potentials may be supplied between the center and periphery of each of said disks.

2,182,870
OSCILLATION GENERATOR
Kenneth W. Jarvis, Norwalk, and Russell M. Blair, Westport, Conn., assignors to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 24, 1936, Serial No. 117,659
3 Claims. (Cl. 250—36)



1. An electronic oscillator comprising a source of primary electrons, a secondary emissive electrode, a feed-back inductance connected in series with a source of potential between said source of primary electrons and said electrode for controlling the number of primary electrons reaching said electrode, a control electrode interposed between said source and said emissive electrode, means connected between said control electrode and said cathode for receiving energy from said inductance, a secondary electron collecting electrode, an output circuit connected between said collecting electrode and said cathode and an electrostatic shield interposed between said source of primary electrons and said collecting electrode.

2,182,871
MATERIAL CUTTER AND STACKER
Nevell R. Jones, Haddonfield, and Benjamin R. Carson, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 26, 1937, Serial No. 133,137
5 Claims. (Cl. 164—42)



1. A material cutting apparatus comprising a first lever arm, means for applying a stress to said lever arm to turn said arm about its fulcrum, means for normally opposing said stress, said means acting in timed relationship to the passage of said material to release the opposing stress intermittently, a second lever arm in the path of but mechanically disconnected from said first lever arm, a detent mounted on said second lever arm, a resiliently held member mounted on said first lever arm for engaging said detent and exerting an actuating force thereon during one direction of motion of said first lever arm, a knife blade mounted so as to respond to movement of said second lever arm, and means for actuating said knife blade when the opposing stress is removed from the first lever arm.

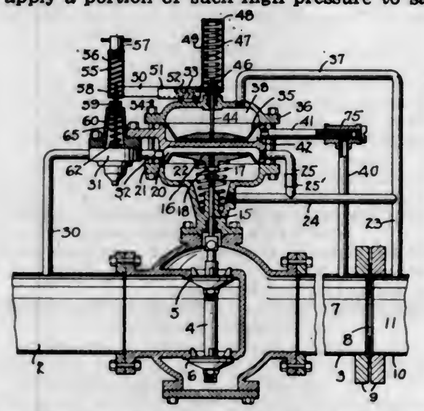
2,182,872
PRESERVING CAN OR CONTAINER
Heinrich Karl, Jersey City, N. J.
Application October 12, 1935, Serial No. 44,645
10 Claims. (Cl. 229—14)



2. In a preserving can or container having an outer body forming an exterior hull, made of sheet material and an inner liner, said inner liner formed by single pieces and these single pieces assembled and a binder holding these single pieces together, the parts provided with said binder folded so that an edge is formed that prevents the contents of the can to come in contact with said binder, said outer body having flaps, secured to one of the single pieces of said inner liner by means of a binder.

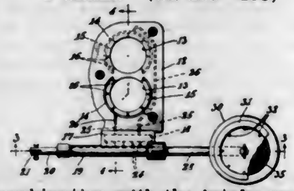
2,182,873
REGULATOR VALVE
William R. King, Mineola, Tex.
Application July 6, 1936, Serial No. 89,004
8 Claims. (Cl. 50—16)

1. A system for regulation of a variable flow of fluid through pipe lines where a constant pressure is to be maintained at the discharge when there is a variation in friction loss in the line due to the variation in flow comprising, a main valve, a diaphragm to actuate said valve, means connected to the high pressure side of said valve to apply a portion of such high pressure to said



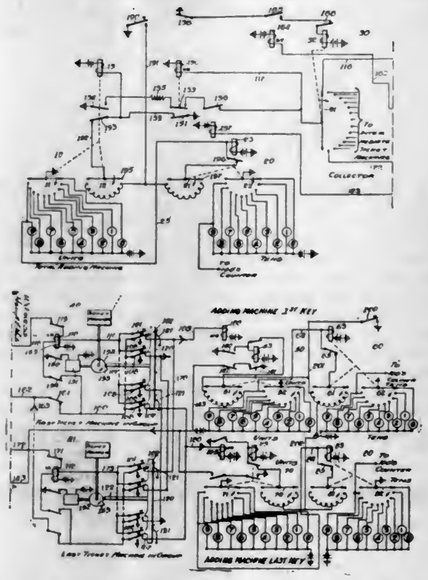
diaphragm, an orifice plate on the downstream side of said valve, means to apply with such pressure the amount of the pressure on the downstream side of said orifice plate, and additional means operable as a function of the variation in differential pressure across said orifice plate to vary the pressure tending to actuate said diaphragm.

2,182,874
GAS AND AIR MIXING DEVICE
Marion F. Kowalski, Richmond Hill, N. Y.
Application October 1, 1937, Serial No. 166,739
1 Claim. (Cl. 123—198)



The combination with the intake manifold and a double barrel carburetor of an internal combustion engine, of a fitting interposed therebetween, a fluid source associated with said fitting, the latter comprising a gasket-like, thin body portion having an enlarged side extension, a valve chamber and a mixing chamber in said extension, said fluid source being connected with said valve chamber, a plurality of control passages connecting the valve chamber with the mixing chamber, a piston control valve slidably mounted in the valve chamber for successively closing and opening said passages, valve operating means, connected with the engine throttle, for simultaneously operating said piston valve therewith, said gasket-like body portion having openings registering with the two manifold barrels, an annular groove, concentric with each said opening, a plurality of radial grooves connecting said annular groove with said opening, and a connecting groove leading from the annular groove to a passage issuing from said mixing chamber, thereby establishing connections between the latter and said openings.

2,182,875
TOTALIZING SYSTEM
Oscar C. Levy, Chicago, Ill., assignor to American Totalisator Company, Inc., Baltimore, Md., a corporation of Maryland
Application September 12, 1936, Serial No. 100,464
8 Claims. (Cl. 235—92)



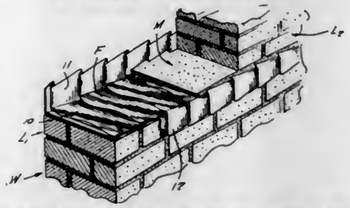
1. The combination with a plurality of electrical devices operable together in combinations of three, of control means therefor comprising a high sensitivity relay in each of two devices of the combination, a low sensitivity relay in the third device of the combination, means for establishing a series circuit through the three relays, means for energizing said circuit to operate the high sensitivity relays thereover to control the associated devices, means for shunting one of said high sensitivity relays to increase the current flow in said circuit and thereby operate the low sensitivity relay, and means including contacts opened by the low sensitivity relay for breaking said series circuit.

2,182,876
RING
Eric Moldenhauer, New York, N. Y.
Application January 29, 1937, Serial No. 122,910
1 Claim. (Cl. 63—15)



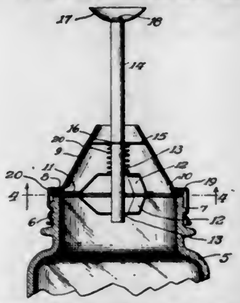
A ring of the character described, having a continuous finger-contacting ring portion, a second section oscillatable with respect to the continuous ring portion and extending part of the circumference around the outside of the continuous ring portion, a radially disposed pivot connecting the second portion to the continuous ring portion, and means for holding the two portions in nested position against accidental oscillation.

2,182,877
BUILDING FLASHING
George W. Orth, Philadelphia, and Herbert P. Orth, Merwood, Pa.
Application September 8, 1938, Serial No. 228,894
9 Claims. (Cl. 72—127)



1. A flashing of the character described consisting of a strip of metal formed with a plurality of undercut grooves to provide mechanical key bonding in the mortar bed of a masonry structure, each of said grooves having a bottom bend portion and an overhanging lip, said bottom bend portions being substantially straight so as to provide efficient drainage channels and with the overhanging lips having an irregular formation to provide bonding keys in said mortar bed.

2,182,878
MEANS FOR DISPENSING AND APPLYING FERTILIZER
Charles A. Pipenhagen, Chicago, Ill.
Application January 28, 1938, Serial No. 187,372
3 Claims. (Cl. 221—62)



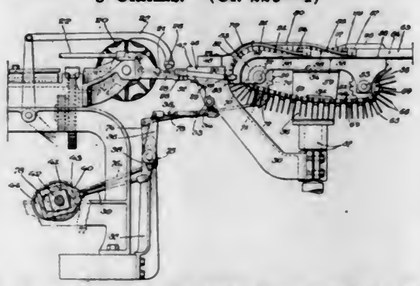
1. A device of the class described, comprising a fertilizer container, a spring-pressed dispensing valve, a shaft carrying said valve, a funnel housing the shaft and the valve in a unitary assembly, and releasable securing means for holding said unitary assembly in sealed engagement on said container in operable or in inoperable position.

2,182,879
LADY'S HANDBAG
Elizabeth S. Rinehart, New York, N. Y.
Application December 3, 1938, Serial No. 243,760
3 Claims. (Cl. 150—28)



3. In combination, a lady's hand bag and a combined cover and lining for the same, said cover being of a size and shape to receive within it the hand bag and said lining being coextensive with the cover and foldable down into the bag when the latter is positioned within the cover to draw the edges of the cover down over and inside the rim of the bag and said lining being reversible and withdrawable from within the bag in reversed relation to a position outside the bag to then form a continuation of the cover enclosing the bag within the cover and said lining having an opening large enough and so positioned to permit the bag to be withdrawn or to be inserted therethrough in the acts of removing or replacing the combined cover and lining, and means for closing the opening in the lining when the latter is in its position of use within the covered bag.

2,182,880
MECHANISM FOR ASSEMBLING MATCH PACKETS AND THE LIKE
William Roberts, Oswego, N. Y., assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application May 10, 1938, Serial No. 207,050
8 Claims. (Cl. 226—4)



1. In mechanism for assembling packets, each including a cover having a flat back and a folded front portion, means for successively feeding the closed packets in similar end and face arrangement and in endwise relation, a carrier having a succession of open pockets, means for actuating said carrier to locate each succeeding empty pocket for the reception of a packet advanced endwise thereto by the feeding means, said pocket having spaced side walls which confine and guide the front and back of the contained book, and means for progressively tipping and up-ending alternate packets within the confines of the said side walls of their respective pockets during the travel of the carrier.

2,182,881
CATHODE FOR CATHODE RAY TUBE
Hans Otto Roosenstein and Kurt Diels, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 24, 1937, Serial No. 132,683
In Germany March 24, 1936
5 Claims. (Cl. 250—141)

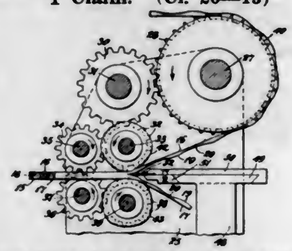


3. An electron emitting cathode for producing a concentrated beam of electrons comprising a planar surface electron emitting element, said element comprising a plurality of contiguous elemental areas arranged according to a predetermined configuration, and each elemental area having different specific electron emissivity from that of contiguous areas.

2,182,882
PROCESS OF MAKING MULTI-PLY WOVEN FABRICS
Thomas Lewis Shepherd, London, England
No Drawing. Original application February 28, 1936, Serial No. 66,310. Divided and this application September 8, 1936, Serial No. 99,857. In Great Britain June 27, 1934
5 Claims. (Cl. 154—2)

1. Process of making multi-ply woven fabric adapted for the manufacture of collars, cuffs, shirts, tablecloths, napkins and millinery, comprising immersing the plies of the said fabric in a preformed cuprammonium solution of cellulose, pressing the plies thus treated together, and treating the multi-ply woven fabric obtained in a coagulating bath to precipitate the dissolved cellulose which becomes intimately associated with the fibres of the woven fabric, and unites the plies together.

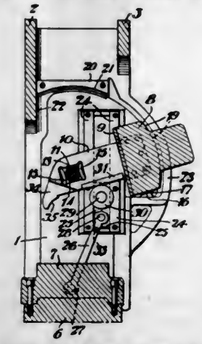
2,182,883
UNDULATING CUT-PILE FABRIC SPLITTING MACHINE
Jacob W. Spicks, Mystic, Conn.
Application October 20, 1938, Serial No. 235,997
1 Claim. (Cl. 26—13)



In a machine for splitting a double web pile fabric, a fixed knife, means to feed the fabric against said knife, a gear train, and a pair of rotating cams having undulated faces, one above and the other below the fabric web, closely adjacent the edge of said knife, whereby the pile threads between the webs are severed to present undulating surfaces when cut.

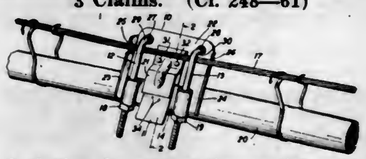
2,182,884
TILTING-HEAD PRESS
Edwin A. Stillman, Chester, and Richard W. Dinzl, Westfield, N. J., assignors to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application August 13, 1937, Serial No. 158,846
17 Claims. (Cl. 18—16)

4. In a press apparatus including a lower press head mounted for vertical reciprocation and a cooperating upper press head tiltable into and out of opposed relation to said lower head and a ram to force said lower head upward, a mounting for said upper head supporting it for swinging bodily upward into opposition to the lower head and downward out of said opposition thereto about an axis parallel to and between said heads and comprising a radial arm pivotally mounted to swing about said axis and bearing said upper head at its outer end; fixed stop abutment means to limit swinging of the upper head to operative position; fixed resistance abutment means engageable by the upper head in its operative position to resist the pressing thrust; a thrust mechanism to swing the upper head to operative position by operation of said ram to shift the lower head upward and comprising a thrust element mounted for vertical reciprocation at one side of said axis, and an operative connection between the ram and said thrust element to shift the latter upward and downward along with the lower head, said radial arm being arranged to extend across the path of said thrust element when the upper head is down in inoperative position, the thrust element being operable upon the arm to swing the upper head to operative position upon shift of the lower head through a



preliminary portion of its upward movement, and the thrust element being arranged to travel along the arm and cooperate with said stop abutment means to hold the upper head in operative position during the remainder of the upward movement of the lower head; and trip means operable by retraction of the lower head from its uppermost position to tilt the upper head about said axis and permit it to swing downward to inoperative position as the lower head is retracted.

2,182,885
CABLE SUPPORTING DEVICE
Everett St. John, Westport, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 26, 1938, Serial No. 186,995
3 Claims. (Cl. 248—61)



1. A device for supporting aerial cable from a messenger or supporting strand comprising a body member, an offset lug and a strap mounted on said member, a plurality of bolts positioned on said body member for securing it to the strand, said bolts having means on the lower ends thereof for forcing said strap between said body member and said lug.

2,182,886
FILM TREATING APPARATUS
Albert W. Tondreau, Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application March 4, 1938, Serial No. 193,966
18 Claims. (Cl. 95—94)

1. Film apparatus comprising the combination of a tank adapted to contain a film treating fluid, means for removably supporting said tank, a frame in said tank, means on said frame for guiding a film in a predetermined path through said tank, a channel member, a cross arm above

said tank for supporting said channel member, a post at one side of said tank for supporting said cross arm means for removably securing said frame to said channel member, film driving



means exteriorly of said tank, means for mounting said film driving means on said channel member, and a drive shaft for said film driving means in said channel member.

2,182,887
SIZING OF RAYON

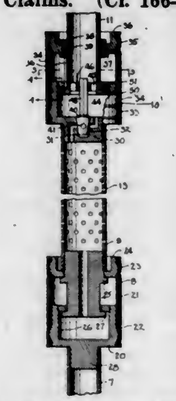
Ernst von Lippmann, Chemnitz, Germany, assignor to Bohme Fettchemie-Gesellschaft m. b. H., Chemnitz, Germany, a corporation of Germany

No Drawing. Application December 24, 1936, Serial No. 117,657. In Germany December 24, 1935

8 Claims. (Cl. 91—68)

1. The process of treating rayon threads, yarns, skeins, and the like to effect binding in preparation for weaving which comprises sizing said rayon by coating the same with a stable water-insoluble highly acetylated saccharide having not more than two monosaccharide radicals in the molecule and after weaving removing said size.

2,182,888
OPEN HOLE FORMATION TESTER
Harvey Whitaker, San Antonio, Tex.
Application May 7, 1937, Serial No. 141,213
4 Claims. (Cl. 166—1)

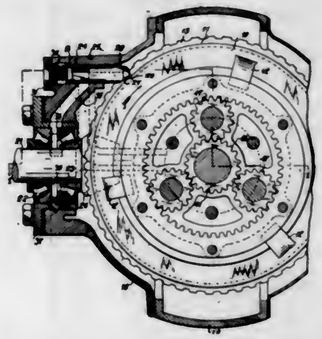


1. A tool of the character described comprising a pair of spaced packers, telescoping connections in each of said packers adapted for movement when a predetermined weight is applied to said packers, a perforate pipe having one end fixed to each of said packers, an operating string of pipe to set said packers by longitudinal movement thereof and of said perforated pipe, and valve means to control the entry through said tool to said string of pipe upon relative rotation of said string and said packers.

2,182,889
LUBRICATION SYSTEM FOR AUTOMOTIVE AXLES

Gustav W. Carlson, Cleveland Heights, and Robert C. Russell, Shaker Heights, Ohio, assignors to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application September 1, 1937, Serial No. 161,952
4 Claims. (Cl. 184—11)

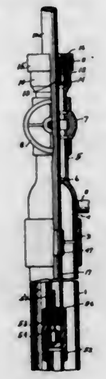


1. In an automotive axle, the combination of a housing the lower portion of which forms a lubricant reservoir, a member rotatably supported in said housing with the lower portion thereof extending below the normal level of the lubricant in said reservoir, said housing having an aperture extending therethrough, means detachably connected to said housing for closing the outer end of said aperture, a collector or scraper slidably supported in said aperture for collecting or scraping lubricant from the ascending side of said member as the same rotates in operation, a spring interposed between said means and said collector or scraper for continuously urging said collector or scraper into engagement with said member, and a conduit formed in said housing for conducting lubricant from said collector or scraper to a rotatable member of the axle located above the normal level of the lubricant in said reservoir.

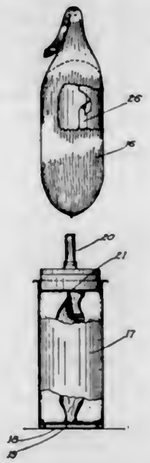
2,182,890
PRODUCING EQUIPMENT FOR WELLS
Walter L. Church, Houston, Tex.
Application June 22, 1936, Serial No. 86,463
11 Claims. (Cl. 166—15)

1. Equipment for producing liquid, under pressure, from a well comprising a casing set in the well, a string of tubing in the casing, a seal between the tubing and the upper end of the casing, a packer body, means for attaching the body to the tubing, a liner suspended from the body, a packer on the body, the body being movable downwardly relative to the liner to expand the packer to form a seal between the liner and casing, said

tubing having a tubular extension through the attaching means into the liner and means forming a fluid tight seal between the packer body and said extension.

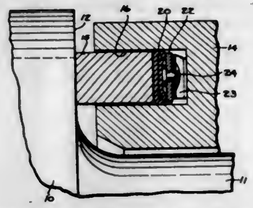


2,182,891
PROCESS OF MEAT TREATMENT
Karl C. Elkel, Chicago, Ill., assignor to Armour and Company, a corporation of Illinois
Application September 16, 1938, Serial No. 230,237
10 Claims. (Cl. 99—107)



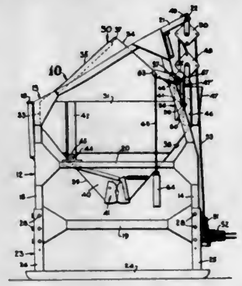
1. A process of meat treatment comprising removing the bone from a piece of uncooked meat, compressing said boned meat to remove the bone cavity and smooth the surface outline, chilling said meat while under compression to prevent the return of irregular surface characteristics and bone cavity when said compression is released, subjecting said meat to a smoke treatment at an elevated temperature, compressing said meat at an elevated temperature to cause it to assume a predetermined form of uniform cross section and with sufficient pressure to bring all parts of said meat into firm contact, and chilling said meat while under said last-mentioned compression to congeal said meat into close coherence in said predetermined form.

2,182,892
SEAL
Eric Harry Fors, St. Albans, England, assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application December 31, 1937, Serial No. 182,847
1 Claim. (Cl. 286—7)



A seal comprising two relatively rotating parts one of which provides a shoulder and the other of which provides a supporting structure having an annular groove therein adjacent the shoulder, a seal ring mounted in the groove and slidable axially into contact with the shoulder, a packing ring formed of rubber tubing located in the groove behind the seal ring, the tubing having, when in an unstressed condition, an outside diameter substantially less than the width of the groove, and resilient means located in the groove behind the packing ring and arranged to apply sufficient pressure thereto in the axial direction to force the seal ring against the shoulder and to spread the tubing radially against the sides of the groove, thereby preventing leakage between the seal ring and the supporting structure.

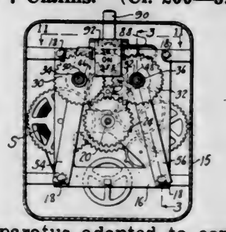
2,182,893
HOPPER CONSTRUCTION
Leslie H. Garlinghouse, Los Angeles, Calif.
Application March 4, 1938, Serial No. 193,970
5 Claims. (Cl. 214—130)



4. In a hopper, a frame member, said frame member including end portions, longitudinal front members and rear members connecting said end portions, a hopper member pivotally mounted on said end portions, said hopper including ends, a front wall and a rear wall forming a top, said rear top wall having a filler opening therein, said hopper including downwardly inclined bottom walls, said bottom walls including a discharge chute, a vertical member on each end of said hopper, a sheave block pivotally mounted on each of said vertical members, a sheave block mounted on one of said longitudinal front members above each of said hopper sheave blocks, lower sheave blocks mounted on the front of said frame adjacent each end and a center sheave block mounted on the front of said frame, a cable member rove through each of said hopper blocks, said upper blocks and said lower blocks

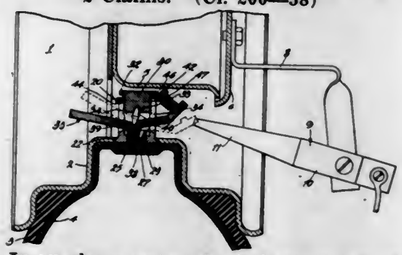
and each cable being rove through said center block in such manner that said hopper may be lowered or raised by means of said cable.

2,182,894
TIME CONTROLLED SWITCH
Kemper M. Hammell, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 2, 1938, Serial No. 193,512
7 Claims. (Cl. 200—39)



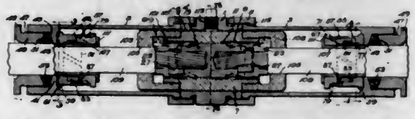
1. An apparatus adapted to control a multi-circuit electric appliance including a main switch and a double-throw switch in series with said main switch, a clock mechanism, a setting mechanism including a setting unit driven by said clock mechanism and having a normally released spring, a detent carried by said spring, an actuating rod for said double-throw switch disposed to be operated by said spring, a control manually operable to stress the spring and place the detent in engaged position and permit release thereof at a predetermined time, said double-throw switch standing in one position when the detent of said spring is engaged and in another position when the detent of said spring is released, and an operator for said main switch movable to a predetermined position in which it is held by said detent until released, and said setting mechanism having a clock driven part adapted to move said double-throw switch from the position in which it stands when said detent is released to the position in which it stands when said detent is engaged after a predetermined period of time.

2,182,895
TIRE AIR PRESSURE SWITCH
Eldon C. Henderson, Paso Robles, Calif.
Application July 14, 1937, Serial No. 153,625
2 Claims. (Cl. 200—58)



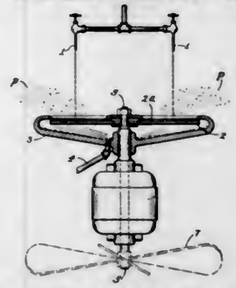
1. In an alarm system for indicating the deflation of a pneumatic tire below a preselected minimum, comprising in combination a wheel having a rim carrying a pneumatic tire and a tube therein, a hollow casing affixed to the rim; a piston slidably carried by said casing and abutting the tube; a lever extending transversely through said casing and having an arm on one side thereof fulcrumed on said piston; a pin fulcrumed between said lever and a closed end of said casing at a point opposite the arm on said lever, said lever and pin being held in open position when the pressure of air in the tube is above a preselected minimum and adapted to be shifted into a different position when the air pressure in the tube drops below said minimum; and a spring to urge said lever to shift its position as well as the position of the fulcrum pin.

2,182,896
CABLE SPLICE AND THE LIKE
Alfred J. Hixon, Braintree, Mass.
Application February 12, 1935, Serial No. 6,191
3 Claims. (Cl. 24—243)



2. A collar for a cable or the like comprising a body having relatively rotatable parts provided with openings for receiving the cable, an eccentric member having an opening for receiving the cable, which eccentric member is rotatably mounted on one of said parts eccentrically to the axis of relative rotation of said parts, means restraining said eccentric member against substantial rotation relative to the other of said parts whereby said member is moved transversely of said openings of said parts by relative rotation of said parts, and cable gripping means operated by said eccentric member for gripping said collar to the cable.

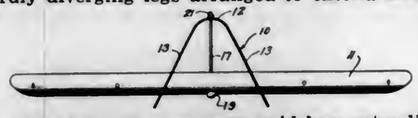
2,182,897
METHOD OF ATOMIZING LIQUIDS
Albert J. Loepsinger, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application July 22, 1936, Serial No. 91,813
2 Claims. (Cl. 299—63)



1. A method of atomizing a liquid which comprises projecting the liquid against a surface, exposed to the free air and moving in directions divergent from the direction in which the liquid is projected, with such force that the impact of the liquid with said surface effects an atomization of a portion of the liquid into fine particles into said free air which float away from the surface into the atmosphere, while the remainder of said liquid moves along said surface, receives kinetic energy therefrom and is discharged therefrom in said divergent directions.

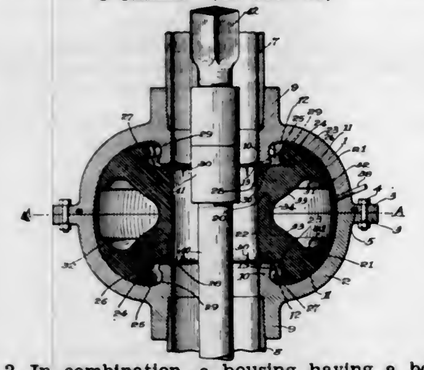
2,182,898
AUXILIARY IMPACT MEMBER
George Albert Lyon, Allenhurst, N. J.
Application October 20, 1937, Serial No. 170,034
14 Claims. (Cl. 293—55)

1. As an article of manufacture for vehicle bumpers, an auxiliary impact member comprising a single inverted V-shaped member having downwardly diverging legs arranged to extend across



a vehicle bumper, means on said legs extending over and under the upper and lower edges respectively of said bumper, and means for urging said legs further apart.

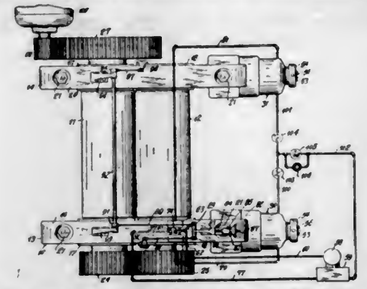
2,182,899
PACKER
John W. MacClatchie, Los Angeles, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California
Application November 25, 1936, Serial No. 112,745
5 Claims. (Cl. 286—16)



2. In combination, a housing having a bore, and an annular enlargement in said bore, an annular flange projecting longitudinally into the bore of the housing from an end of the annular enlargement, the outer surface of the annular flange flaring radially outwardly as it extends toward the projecting end of the flange, an annular packer having a bore which is counterbored at an end of the packer, the counterbore defining a radially displaceable annular lip at said end of the packer with the wall of the counterbore flaring radially outwardly as it extends toward the base of said counterbore, the packer being adapted for mounting in the annular enlargement with its lip surrounding and normally spaced radially outwardly from the annular flange and with its bore normally clear of the housing, the packer having an annular recess in its outer periphery, and means for conducting pressure fluid to the annular recess to cause radial inward displacement of the annular lip to position engaged over and around said annular flange and the bore of the packer to contract to position in sealing engagement with and around a well string extending therethrough.

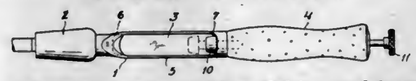
2,182,900
RUBBER MILL
Edwin J. McIlvried, Akron, and Norman H. Nye, Cuyahoga Falls, Ohio, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application November 1, 1937, Serial No. 172,178
9 Claims. (Cl. 18—12)

1. In a mill having a pair of cooperating rotating rolls of which one is shiftable relative to the other for varying the spacing therebetween, power means for shifting said one roll, a control for said power means, manual means for



actuating said control to cause a desired shifting of the roll, and a connection between the roll and said control whereby said shifting of the roll actuates the control in a direction to retard further shifting of the roll.

2,182,901
FISHING ROD HANDLE
Walter E. Moulton, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application March 7, 1939, Serial No. 260,324
7 Claims. (Cl. 43—22)



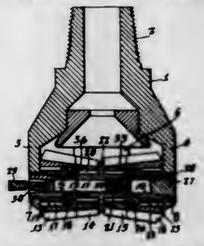
1. The combination with a fishing rod handle comprising a reel support having a rod receiving socket at its forward end and a tubular hand grip at its rear end, and a reel seat intermediate said ends, of unitary reel clamping means comprising a stem projected through the bore of the hand grip, a wedge clamp element extending forwardly of the hand grip and a hand operable element disposed exteriorly of and to the rear of the hand grip, a spring exerting forward pressure on said clamping means tending to urge said clamp to make clamping engagement with the base of a fish line reel seated on said seat, and stop means comprising cooperating elements of said hand grip and said clamping means to hold said clamp in a rearwardly withdrawn inoperative position, said hand operable element adapted for rendering said stop means optionally operative or inoperative.

2,182,902
DRAW BENCH
Maurice A. Nye, Cuyahoga Falls, and Edwin J. McIlvried, Stow Corners, Ohio, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application August 30, 1938, Serial No. 227,486
15 Claims. (Cl. 205—3)



1. In a draw bench of the character described, an unloading mechanism comprising unloading arms, and means for swinging said arms in substantially vertical planes from a work-receiving position wherein they extend substantially transversely and horizontally across the bench to an inclined or tilted work-discharging position.

2,182,903
DEMOUNTABLE ROCK BIT
John T. Phipps, Huntington Park, Calif., assignor to W. K. P. Oil Tool Co., a corporation of California
Application December 19, 1938, Serial No. 246,643
21 Claims. (Cl. 255—71)



1. A roller bit comprising a frame member having a pair of spaced-apart supporting members, a shaft supported by and extending between said supporting members, a sleeve non-rotatably supported on said shaft between said supporting members, and cutting roller means rotatably supported on said sleeve.

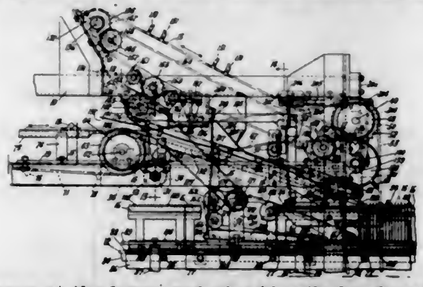
2,182,904
INCANDESCENT LAMP
Wilhelm Röver, Kiel, Germany
Application June 18, 1937, Serial No. 148,848
In Germany June 18, 1936
1 Claim. (Cl. 176—34)



An incandescent lamp comprising an evacuated bulb of normally clear glass, an incandescent filament mounted therein, a coating of white lacquer applied to the exterior surface of said bulb, a further coating of black lacquer impervious to light overlying said first coating, said coatings covering substantially the major portion of said bulb except for a small window, said filament adapted to maintain an operating temperature below 1600° C. when fed from a lighting circuit of standard voltage.

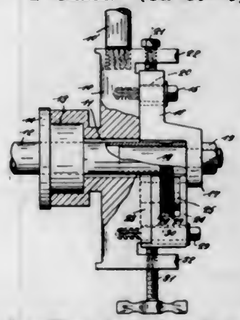
2,182,905
CRATING MACHINE
Horace D. Stevens, Akron, Ohio, assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 10, 1937, Serial No. 158,333
9 Claims. (Cl. 226—2)

1. In a crating machine of the character described, the combination of a pair of spaced, parallel, inclined rails adapted pendulously to support articles by engagement with ears projecting laterally from the upper corners thereof, means engageable with said ears for moving said articles, in succession, along said rails to the lower end thereof, means comprising an endless driven member engageable with the lower margin of the said articles, as they move along said rails, for preventing pendulous movement thereof, and



means at the lower end of said rails for depositing said articles, in succession, in a crate positioned thereat.

2,182,906
THREADING TOOL
Herman A. Unke, Cleveland, Ohio
Application June 30, 1938, Serial No. 216,703
1 Claim. (Cl. 80—6)

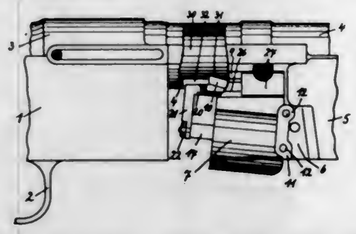


A thread-rolling tool for forming external threads on a thin-walled metal tube comprising a frame, a collar on said frame for engaging the exterior of said tube, a stop on said frame for engaging the end of said tube, a smooth cylindrical mandrel on said stop adapted to fit the bore of said tube to support the latter, a holder movably mounted on said frame, a peripherally threaded die rotatably mounted on said holder, means for moving said holder to force the threads of said die against the outer surface of said tube to form the threads thereon, and means for rotating said frame and all of the parts thereon about said tube and to cause the same to move off the end of the tube in forming the threads thereon.

2,182,907
AUTOMATIC FIREARM
Heinrich Vollmer, Biberach-Riss, Germany, assignor to Gustav Genschow & Co. Aktiengesellschaft, Berlin, Germany, a company of Germany
Application May 31, 1938, Serial No. 211,049
In Germany May 31, 1937
2 Claims. (Cl. 42—3)

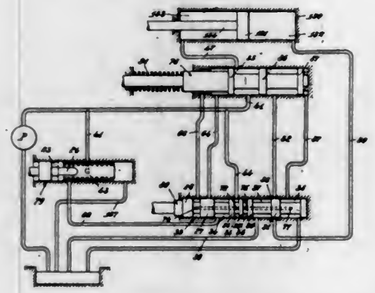
1. An automatic firearm having in combination firing mechanism including a member making a reciprocating movement operative for each discharge, a pneumatic brake comprising a cylinder and plunger therein, and a pawl connected to said plunger, adapted temporarily to engage said reciprocating member during the movement

of said reciprocating member preceding each discharge, so that brake action is applied to said movement by said plunger, the axis of said cylinder being inclined to the path of said re-



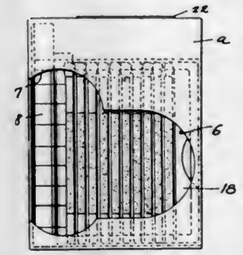
ciprocating member so that said pawl recedes from said member while moving in engagement therewith, and is thereby moved out of engagement.

2,182,908
HYDRAULIC DRIVE FOR MACHINE TOOLS
Fritz Wegerdt, Chemnitz, Germany, assignor to Friedrich Klopp, Solingen-Wald-Khld., Germany
Application February 26, 1936, Serial No. 65,896
In Germany March 2, 1935
7 Claims. (Cl. 121—45)



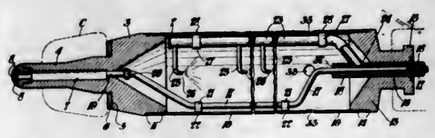
1. A hydraulic control system for reciprocatory machine tools comprising a power cylinder for operating the machine part to be reciprocated, means for supplying hydraulic medium under pressure, a main valve cylinder, a spring held slide valve therein, having two pistons of different diameters of which the piston of larger diameter and the main valve cylinder form a chamber, means for connecting the chamber with the exhaust from the power cylinder, an auxiliary valve cylinder, a slide valve therein actuated by reversal of the machine part to be reciprocated, and a system of passages and ports for the hydraulic medium and means inter-connecting said power and valve cylinders with the pressure means so that in one position of the auxiliary valve one end of the power cylinder is connected to the pressure means by way of the main valve cylinder and the other end of the power cylinder is connected to an exhaust by way of the auxiliary valve cylinder, and in another position of said auxiliary valve the second mentioned end of the power cylinder is closed until the therein entrapped medium operates the main valve through passages in said system against its spring, said main valve then connecting said second mentioned end of the power cylinder to the pressure means and its other end to the exhaust.

2,182,909
MATCH CONTAINER
Lawrence R. Atkins, Plainfield, N. J., assignor of one-fourth to Elizabeth Atkins and one-fourth to Belle Bouldin, both of Plainfield, N. J.
Application March 28, 1938, Serial No. 198,545
3 Claims. (Cl. 206—33.5)



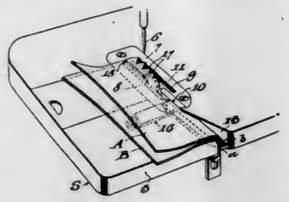
1. A match safe comprising a box-like structure having an opening in its top adjacent the front end wall and a large opening in the front side wall, said opening extending into an intermediate part of the front end wall, a horizontal partition in the box spaced from the top thereof and having its front end spaced from the upper portion of the front end wall, the space between the partition and the bottom wall forming a match receptacle, a vertically arranged member of trough shape in cross section connected with the rear side wall adjacent the front end wall and having its upper end resilient and spaced from the said rear side wall, a short resilient member of trough shape in cross section having its lower end connected with an upper portion of the front side wall, said short member being arranged opposite the resilient upper end of the first trough-shaped member, said resilient parts forming spring jaws, abrasive material connected to the inner faces thereof and said jaws being located under the top opening and a curved guide member connected to the inner side edge of the first-mentioned trough-shaped member for guiding a match over said side edge into the trough-shaped member, the jaws igniting the head of the match when the match is forced upwardly in the trough-shaped member.

2,182,910
MANDREL BAR
Bryant Bannister, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey
Application February 11, 1937, Serial No. 125,328
3 Claims. (Cl. 78—103)



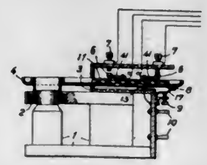
1. A mandrel bar for pipe or tube mill operations comprising a bar-cap, a thrust member, a barrel secured to and disposed between said bar-cap and thrust member, said barrel having at least one aperture adjacent the rearward end thereof, said thrust member having a bore, fluid carrying means disposed in said bore and said barrel, a plurality of risers connected to said fluid carrying means, and rearwardly directed spray nozzles connected to said risers.

2,182,911
METHOD OF FORMING SEAMS
Louis G. Bowman, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine
Application October 19, 1936, Serial No. 106,484
7 Claims. (Cl. 112—262)



1. The method of forming a seam, consisting in positioning body fabric portions-to-be-joined on a common plane, turning adjacent edge portions of the body fabric portions into contacting relation in a plane at right angles to the body fabric portions, then pinking simultaneously both of said turned edge portions, and while maintaining the parallel relation of said edge portions finally uniting said pinked edge portions by a line of stitches located in spaced parallel relation to the line of pinks.

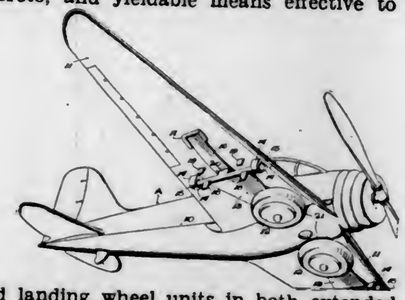
2,182,912
RELAY
Ernst Bräuer, Voigtsdorf in Riesengebirge, Germany
Application December 5, 1936, Serial No. 114,447
In Germany December 9, 1935
6 Claims. (Cl. 200—110)



1. A dynamic relay, comprising a casing, a magnet having between its poles an annular gap, a coil extending into said gap, a frame outside of said magnet supporting said coil and forming together therewith a movable member, resilient means supporting said movable member, cooperating contacts on said frame and said casing, and means for so balancing said frame that its position relative to the contacts on the casing is varied only upon said coil being acted upon by electromagnetic forces, but is not varied by mechanical forces acting on said casing.

2,182,913
TOY AIRPLANE
Jacob E. Brubaker, Lancaster, Pa., assignor to The Hubley Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 4, 1939, Serial No. 297,953
12 Claims. (Cl. 46—76)

1. A toy airplane comprising a body element, landing wheel units pivotally mounted on said body element for swinging movement between extended and retracted positions with respect thereto, and yieldable means effective to hold



said landing wheel units in both extended and retracted positions.

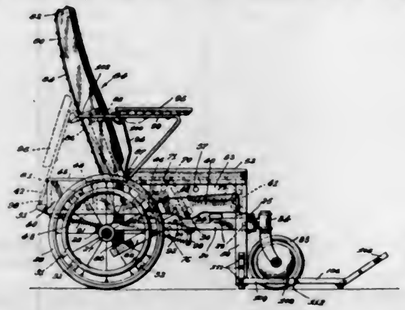
2,182,914
HEDDLE CONSTRUCTION
Howard O. Coddington, Spartanburg, S. C., assignor to Andrews Company, Spartanburg, S. C.
Application July 28, 1938, Serial No. 221,820
2 Claims. (Cl. 139—92)



1. In a heddle frame, upper and lower heddle frame bars, heddle bar hooks extending inwardly from the heddle frame bars, heddle bars held within the heddle bar hooks, a connecting bar between the heddle bars, hooks at the ends of the connecting bar and adapted to hook over the heddle bars at points adjacent to the heddle bar hooks, clips secured to the connecting bar adjacent to the ends thereof, and said clips adapted to grip the heddle bar hooks, securing the connecting bar in position on the heddle bar.

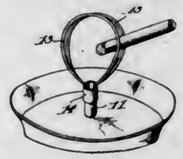
2,182,915
INVALID CHAIR
Frederick W. Connolly, Washington, D. C.
Application February 23, 1937, Serial No. 127,232
8 Claims. (Cl. 155—30)

8. An invalid chair having rearward and forward supporting wheels; a seat portion, means supporting said seat portion on said wheels providing for up and down movement of said seat portion relative to said wheels under control of an occupant of said seat portion; one or more supporting legs movable up and down from an active to an inactive position; connections between said leg or legs and said seat portion to transmit up and down movement of said seat portion to said leg or legs and thereby move the latter from an active to an inactive position and vice versa; means for holding said leg or legs in



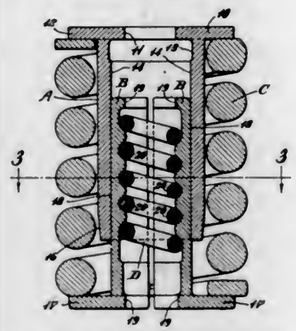
said inactive position; and means under control of an occupant of the chair for releasing said holding means.

2,182,916
ASHTRAY
Ricardo M. Del Orsinee, Chicago, Ill.
Application November 30, 1937, Serial No. 177,352
6 Claims. (Cl. 131—257)



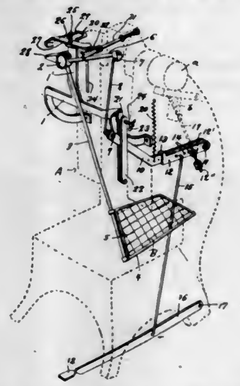
1. A device of the class described comprising a support, divergently spaced loops carried by the support, a sleeve slidably mounted on the support and surrounding portions of the loops thereon, said sleeve having inwardly directed ears engaging opposite sides of the loops whereby movement of the sleeve will vary the spacing of said loops.

2,182,917
SHOCK ABSORBER
Arnold E. Dentler, Hinsdale, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 23, 1938, Serial No. 209,426
8 Claims. (Cl. 267—9)



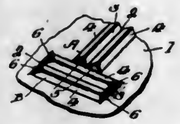
1. In a friction shock absorbing mechanism, the combination with a friction casing; of friction shoes telescoped within the casing and having contact with the interior wall of the latter; a helical spring coil embraced by said shoes, said shoes having wedge faces in engagement with the coils of said spring holding said spring against bodily movement in lengthwise direction with respect to said shoes; and spring means opposing relative longitudinal movement of the casing and shoes.

2,182,918
SAFETY ATTACHMENT FOR PUNCH PRESSES
John H. Ferguson, Grandville, Mich.
Application August 12, 1937, Serial No. 158,794
5 Claims. (Cl. 74—616)



1. A guard for a punch press comprising an arm supported for oscillating movement in front of the press, a guard member carried by the lower end of the arm, a foot pedal, linkage connecting the pedal with the arm for moving the arm and guard member to operative position when the pedal is depressed, latch means for holding the parts in operative position, means connected with a movable part of the press for moving therewith, for releasing the latch means after the press has completed its movement and means for moving the arm and guard member to operative position if the punch press repeats its movement.

2,182,919
AUTOMOBILE PLATE OR TAG
Arthur Sydney Hainsworth, West Pittsburgh, Pa., assignor of one-third to John V. Kaufmann, New Castle, Pa., one-sixth to Jessie Hasson Ritchie, and one-sixth to William Hasson Ritchie, both of Pittsburgh, Pa.
Application January 12, 1939, Serial No. 250,643
4 Claims. (Cl. 40—136)



2. A sheet metal sign plate of the character described, said plate having embossed thereon indicia which consist of a main M-shaped portion and a cross M-shaped portion extending cross-wise one end of said main portion and separate from said main portion, the end of the main portion slanting towards the cross portion but merging with the said plate in advance of the said cross portion.

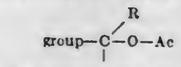
2,182,920

3-KETO-CYCLOPENTANOPOLYHYDRO-PHENANTHRENES

Max Hartmann, Riehen, near Basel, and Albert Wettstein, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application July 23, 1936, Serial No. 92,250. In Switzerland August 2, 1935
5 Claims. (Cl. 260—397)

1. The 3-keto-cyclopentanopolyhydrophenanthrenes containing in 17-position the



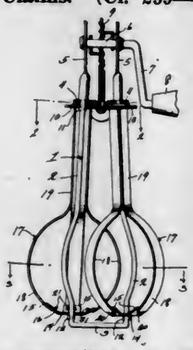
wherein R is a member of the group consisting of hydrogen and a lower alkyl radical, and Ac stands for an acid radical containing a member of the class consisting of the carboxyl, sulphonic acid and phosphoric acid groups.

2,182,921

ROTARY BEATER

Clarence M. Herter, West Branch, N. Y.

Application April 18, 1939, Serial No. 268,622
9 Claims. (Cl. 259—131)



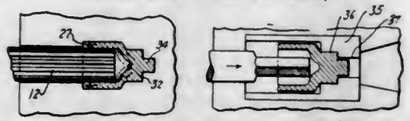
1. A beater, comprising an elongated frame bar, a group of beater blades disposed around said frame bar and adapted to rotate thereabout as a unit, a driven gear connected with said frame bar to rotate thereabout, means coupled with the frame bar for driving said gear, means joining said beater blades together at the outer end of the frame bar whereby the blades at said end of the bar may be separated one from another, and means detachably coupling the inner ends of the beater blades to said gear facilitating the separation of said inner ends one from the other.

2,182,922

METHOD OF PRODUCING A SOCKET WRENCH HEAD

Eugene A. Heschel, Fremont, Ohio, assignor to The Herbrand Corporation, Fremont, Ohio, a corporation of Ohio

Application March 21, 1938, Serial No. 197,146
4 Claims. (Cl. 76—114)



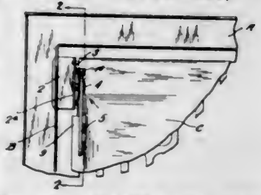
1. The method of forging a socket wrench head which consists in confining a heated solid billet within dies against lateral flow but permitting longitudinal flow in both directions, forcing a plunger provided with an annular row of alternating longitudinal teeth and grooves into the billet to cause the metal to flow first ahead of the plunger to fill the cavity and provide an external sprue and then to flow longitudinally along the plunger until it abuts a shoulder on the dies, withdrawing the plunger, the blank being retained by the shoulder, separating the dies, gripping the sprue and introducing the blank into another die, and punching out the sprue to form a hole.

2,182,923

REGISTER

Louis J. Komora, East Cleveland, Ohio, assignor to The Auer Register Company, Cleveland, Ohio

Application March 17, 1939, Serial No. 262,553
2 Claims. (Cl. 98—106)



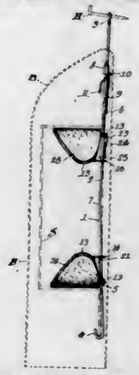
1. A register unit as described, comprising a grill section, a bracket plate attached to the rear side of said section and having a pintle opening, a deflector movable toward and from the rear side of the grill section and having a pintle member entering said pintle opening, an operating lever projecting through the grill section and formed with a handle member externally to the latter and also formed with spaced bifurcations at its end opposite the handle member, a pivotal fastening between the said lever at its middle portion, and the said bracket plate permitting shifting movement of the register and the deflector, and a curved spring friction plate interposed between the lever and the bracket plate and through which the said fastening passes, by which friction plate the lever and deflector are held in adjusted positions after movement.

2,182,924

HAT FORM AND HANGER

George J. Kraft, Wilkes-Barre, Pa.

Application September 16, 1938, Serial No. 230,341
5 Claims. (Cl. 223—85)



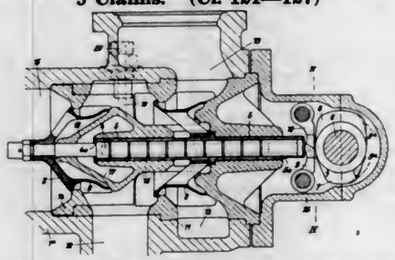
1. A hat form and hanger including an elongated frame for engagement at one end with a support, opposed arcuate forms mounted on the frame, each form including a plate having a slot open at the bottom for receiving the frame, there being oppositely extending recesses in the walls of the slot constituting seats for the side portions of the frame, a guide plate connected to each form and having a frame receiving slot in the bottom edge thereof, there being notches in opposed walls of the slot for receiving the side portions of the frame, said frame being contractible laterally to withdraw it from the recesses and slots, yielding means connecting one of the forms to the frame for urging said form in one direction, and a clamp mounted on and frictionally engaging the frame between the other form and its guide plate.

2,182,925

ROLLING LEVER VALVE MOTION FOR LOCOMOTIVE AND MARINE STEAM ENGINES

Hugo Johannes Lentz, Vienna, Austria

Application April 26, 1937, Serial No. 139,091
5 Claims. (Cl. 121—127)



1. A rolling lever valve gear for steam engines comprising in combination with a cylinder, a steam chest parallel to said cylinder, alined admission and exhaust valves in the chest, spindles each carrying one of said valves and slidably guided in said chest, a chamber formed in said chest, the ends of said spindles projecting into said chamber, a control shaft arranged in said chamber, an oscillating member exchangeably fixed on said control shaft, said oscillating member comprising a cam for admission on one side of the axis of the control shaft the outer surface of said cam extending over the whole length of the oscillating member and terminating in the middle in a smaller branch directed towards said axis, and on the opposite side of said axis two smaller cams for the exhaust, and two intermediate levers oscillatably mounted in said chamber and contacting with said cams and said stems.

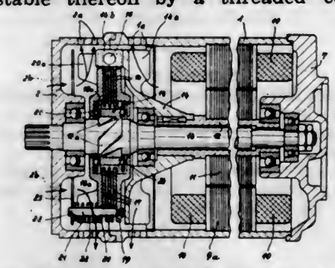
2,182,926

POWER-DRIVEN HAND-GUIDED MACHINE

Friedrich Manz, Halle-on-the-Saale, and Karl Rosenfelder, Stuttgart, Germany, assignors to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany

Application September 27, 1937, Serial No. 165,962
In Germany September 30, 1936
11 Claims. (Cl. 64—30)

2. In a power-driven hand-guided portable machine tool comprising a driving shaft, a driven shaft connected to the tool, and a disc clutch operatively inserted between said shafts and comprising a pair of axially movable end plates, a set of driving and driven plates or lamellae mounted therebetween, resilient means pressing said end plates and clutch plates together to frictionally connect said clutch plates, and an intermediate ring having a direct rigid connection with the driven clutch plates in the direction of rotation but being loosely connected thereto in the axial direction, said ring being directly and drivably connected to said driven shaft but being axially adjustable thereon by a threaded connection



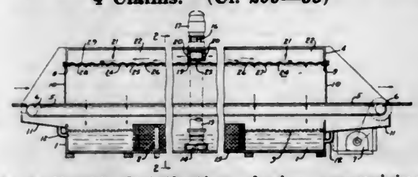
therewith having a thread of quick pitch whereby said ring presses against and causes relative axial movement of said end plates to release the clutch when the torque exceeds a predetermined amount.

2,182,927

LIQUID DISTRIBUTING DEVICE

Vinton H. Matthews, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application July 6, 1938, Serial No. 217,655
4 Claims. (Cl. 299—58)



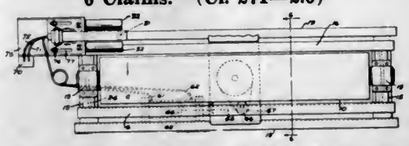
4. A liquid distributing device comprising a tank having a bottom formed of thin sheet metal, said tank bottom being provided with discharge apertures in lines extending transversely thereof, concave topped riffles formed on said bottom to extend parallel with and between said lines, and means for discharging liquid into said tank to cause said liquid to flow across the bottom transversely of said riffles.

2,182,928

PAPER MAKING MACHINERY

James B. Mehaffey, Lynchburg, Va., assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio

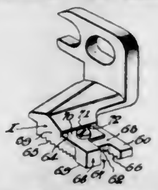
Application April 29, 1937, Serial No. 139,748
6 Claims. (Cl. 271—2.6)



1. A positioning device of the character described comprising a cylindrical guide roll adapted for cooperation with a traveling sheet of material throughout the entire width of the sheet, means supporting said roll substantially centrally thereof and substantially centrally of the sheet for adjustment of an end of the roll in the general direction of travel of the sheet to give an inherent tendency to the guide roll to position itself to maintain a desired sheet positioning, a control device controlled by the outer edge of said sheet in accordance with the sheet positioning

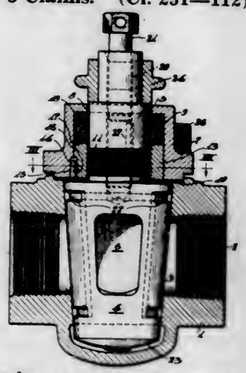
on the roll and including a fluid pressure valve, and fluid pressure means operated by said valve upon displacement of said sheet for changing the position of the roll axis so as to cause the return of the sheet to the desired position.

2,182,929
TOP FEED DOG FOR SEWING MACHINES
Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine
Original application May 18, 1937, Serial No. 143,387. Divided and this application March 19, 1938, Serial No. 196,970
5 Claims. (Cl. 112—212)



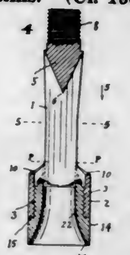
2. A top feed dog including a body portion having a feeding surface on its under face, and a vertically yieldable thread clamping section mounted on the body portion and disposed in front of said feeding surface.

2,182,930
PLUG VALVE
Sven J. Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application January 23, 1935, Serial No. 60,468
Renewed January 5, 1939
5 Claims. (Cl. 251—112)



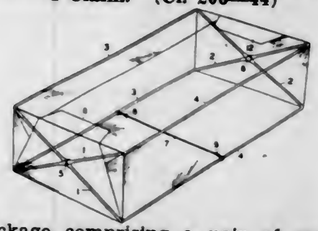
2. In a valve, a casing having a passageway therethrough for flow of fluid and a valve seat therein, a valve member in said casing co-operating with said seat and rotatable during normal opening and closing operations of the valve through a predetermined angle, a cover for the casing, a threaded operating stem for said valve member extending through said cover and surrounded by a recess in the cover, a packing gland threaded on said stem and slidably and non-rotatively held in said recess, and compressible packing in said recess between said gland and said cover, said gland being freely slidable for adjustment along said recess by rotation of said stem over a range which lies outside the range in which the gland moves during normal valve opening and closing operations and said stem being rotatable through more than said predetermined angle to move said gland to adjust the compression of the packing and vary the seating pressure of the valve.

2,182,931
PARAFFIN REMOVER
George F. Penrod, Jackson Township, Wells County, Ind.
Application May 26, 1939, Serial No. 275,807
3 Claims. (Cl. 166—18)



1. An implement of the kind described, consisting of an open work body structure adapted to be attached to the tool stem, and embodying at its lower portion a cylindrical barrel having an internal annular ledge, and its bottom being beveled upwardly to constitute a circumferential cutting edge, upwardly acting oppositely disposed valves mounted on said ledge, and a downwardly disposed riving element embodied in said body structure at its upper portion.

2,182,932
PACKAGE
Percy P. Sanford, San Francisco, Calif.
Application June 19, 1937, Serial No. 149,115
1 Claim. (Cl. 206—44)



A package comprising a pair of continuous rectangular wire loops arranged so that their sides are disposed in parallel relation and their ends are crossed, rivets passing through the intersections of said crossed ends and pivoting said loops together, a non-extensible stay member attached to two of said sides intermediate said ends whereby to limit the movement of said loops relative to each other on said pivots and thus to form a comparatively rigid frame, and a transparent wrapper encircling said sides and folded over said ends.

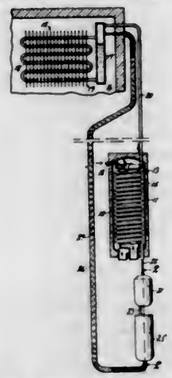
2,182,933
REGULATION OF INTERNAL COMBUSTION ENGINES
Emil Schimanek, Budapest, Hungary
Application October 21, 1936, Serial No. 106,773
In Austria October 26, 1935
2 Claims. (Cl. 123—136)

1. In apparatus for controlling the pressure of a fluid fuel medium supplied to an engine, an induction pipe having means therein providing

pressure differences of a constant ratio when a gaseous medium of varying density flows through the induction pipe, a housing, movable means subject to the action of said pressure differences arranged within said housing and having two surfaces with the area of one surface differing with respect to the area of the other surface in a ratio corresponding to the ratio of the pressure differences so that the forces acting on said movable means balance each other, yieldable means urging said movable means in one direction, said housing having a chamber therein, means carried by the movable means adjacent the chamber and having a surface subjected to the pressure of the fluid medium which is to be rendered constant so as to urge the movable means in a direction opposite to the force of said yieldable means, valve means carried by said movable means for admitting the fluid medium to said chamber when the pressure therein permits the movable means to be moved by the action of the yieldable means, and said chamber having an opening therein for permitting the fluid medium to escape under constant pressure.

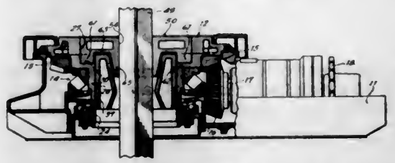


2,182,934
REFRIGERATION
Albert R. Thomas, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of New York
Application February 19, 1937, Serial No. 126,598
12 Claims. (Cl. 62—119.5)



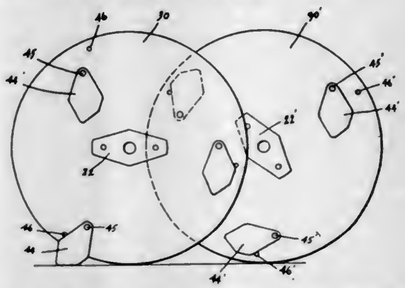
1. A system of the character described comprising an evaporator, a condenser disposed below said evaporator, means for cooling said condenser to effect vaporization of volatile fluid in said evaporator and condensation of the vaporized fluid in said condenser, structure forming a chamber disposed below said condenser for receiving condensed fluid therefrom, a rising conduit for conducting condensed fluid from said chamber to said evaporator, means responsive to liquid level in said chamber for alternately admitting condensed fluid into a part of said chamber in unobstructed communication with said rising conduit and closing communication with said part above the surface level of liquid therein, and said structure being constructed and arranged to permit evaporation of condensed fluid to form vapor in said part to force liquid therefrom upward in said rising conduit.

2,182,935
ROTARY MACHINE BUSHING ARRANGEMENT
Rural Welton Whann, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application August 9, 1939, Serial No. 289,225
7 Claims. (Cl. 255—23)



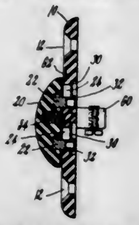
1. In a rotary machine of the class described, the combination of: a base; a rotary table supported by said base, said table having a table opening which includes a plurality of supporting shoulder portions and a driving shoulder; a table bushing in said opening having a driving shoulder engageable with said driving shoulder of said table opening, and having a supporting shoulder engageable with a part of said supporting shoulder portions; and a drive bushing in said table opening having a driving shoulder engageable with said driving shoulder of said table opening, and having a supporting shoulder engageable with a part of said supporting shoulder portions, said supporting shoulders of said bushings being in the same horizontal plane.

2,182,936
REEL
William A. Whittaker, Dobbs Ferry, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application October 26, 1938, Serial No. 237,011
6 Claims. (Cl. 242—77)



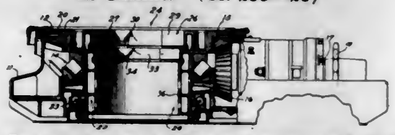
6. A reel comprising a drum and two heads, a strand wound about said drum and means attached to at least one of said heads effective to impede rolling in one direction while offering no resistance to rolling in an opposite direction, said means comprising a rotatable arm and a stop, said arm taking a position between said stop and the supporting surface when the reel is rolled in a direction which will tend to loosen the strand upon said drum and taking a position out of contact with the supporting surface when rolling is in an opposite direction.

2,182,937
ELECTRIC SWITCH
Hugh W. Batcheller, Newton, Mass., assignor to Standard Mfg. Co., Worcester, Mass., a corporation of Massachusetts
Application December 18, 1937, Serial No. 180,562
9 Claims. (Cl. 200—153)



1. An electric switch comprising an escutcheon plate of insulating material, a pair of conductors extending through the escutcheon from the front face to the rear face thereof, an operating knob slidable on the front face of said escutcheon, a bridging conductor movable by and with said knob on the face of the escutcheon to and from a closed switch position in contact with both of said pair of conductors, and means holding said knob and escutcheon in assembled relation.

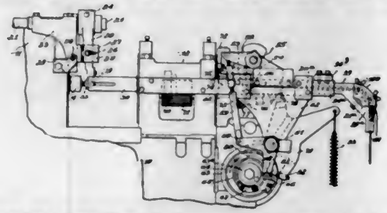
2,182,938
ROTARY MACHINE
Walter G. Black, Oakland, and Charles L. Brewster, La Habra, Calif., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application March 22, 1938, Serial No. 197,400
12 Claims. (Cl. 255—23)



1. In a rotary machine of the class described, the combination of: a base; a table rotatably supported by said base, said table having a table opening which includes an upper shouldered section and a lower shouldered section, each of said sections including a driving shoulder and a supporting shoulder; a table bushing in said opening having a shouldered portion positioned in said lower shouldered section of said table opening, said shouldered portion having a driving shoulder and a supporting shoulder engageable with corresponding shoulders of said lower shouldered section; and a drive bushing for driving a kelly, positioned in said table opening, having a shouldered portion in said upper shoulder section, said shouldered portion having a driving shoulder and a supporting shoulder engageable with corresponding shoulders of said upper shouldered section, said table bushing and said drive bushing being independently supported by said table and said drive bushing transmitting no driving forces or weight to said table bushing.

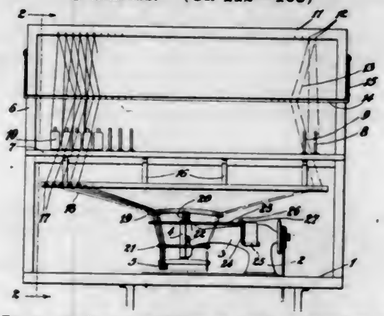
2,182,939
AUTOMATIC WORK FORMING MACHINE
Earl W. Brinkman, Rochester, N. Y., assignor to Davenport Machine Tool Co., Inc., Rochester, N. Y., a corporation of New York
Application February 1, 1938, Serial No. 188,129
35 Claims. (Cl. 29—37)

1. In an automatic machine of the class described, a work holder, a tapping tool in alinement with the work holder, a forming tool movable to and from operative position in coaxial relation with the tapping tool, mechanism for rotating and moving the work holder to effect



successive coaction between the work and said forming and tapping tools, and means for moving the forming tool to and from operative position in timed relation to the movements of the work holder.

2,182,940
THREAD GUIDING DEVICE
Jacob Brussell, New York, N. Y.
Application September 9, 1938, Serial No. 229,054
8 Claims. (Cl. 112—163)



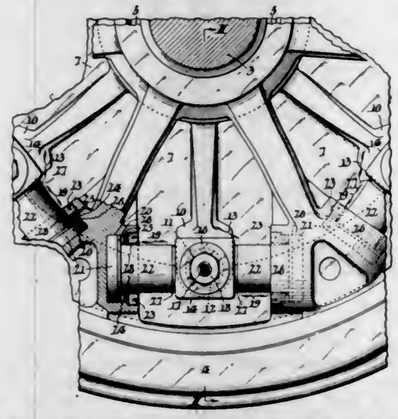
1. In a sewing machine, a bed, a sewing head mounted thereon, a thread guide adapted to hold a plurality of threads secured to said head, thread tension means cooperating with said guide, a thread pulling means comprising a rod in proximity to but out of contact with said threads and transverse thereto, said rod being pivoted and mounted independently of the thread guiding and tension means, a spring holding said rod in inoperative position, and means for manually pressing said rod against said threads, the operation of said rod pulling all of said threads.

2,182,941
AUXILIARY BRAKE APPARATUS FOR SEMI-TRAILER VEHICLES
John Cummings, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation
Application September 18, 1937, Serial No. 164,596
4 Claims. (Cl. 188—3)



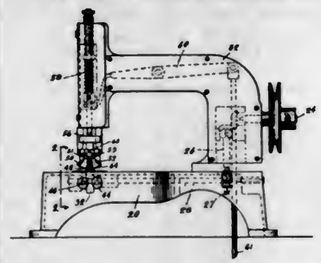
1. In a semitrailer vehicle having a front support movable to a lowered position and elevatable to an inoperative traveling position, means for actuating said support to lower and raise the same, and main brake mechanism for the semitrailer vehicle, the combination of auxiliary brake applying means associated with said main brake mechanism for application and release of the latter, and comprising an auxiliary brake actuator connected to the main brake mechanism, and a rotative part operable by and simultaneously with the support actuating means, said auxiliary brake actuator having uniformly differential movement relative to the support actuating means responsive to operation of the rotative part aforesaid for causing gradual application of the main brake mechanism when the support is lowered and for releasing the main brake mechanism when the support is raised.

2,182,942
FLEXIBLE DRIVE
Norman E. Gee, Narberth, Pa.
Original application October 22, 1936, Serial No. 107,023. Divided and this application February 6, 1939, Serial No. 254,752
8 Claims. (Cl. 64—27)



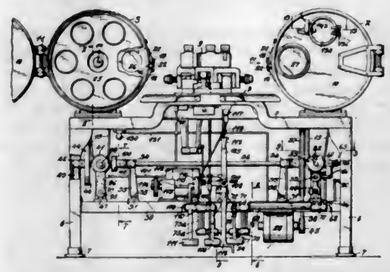
2. In combination with a driving member and a driven member, a drive unit for transmitting torque from the former to the latter comprising a rectangular block member revolvable bodily with said driving member and rotatable about its own axis, and said block member engaging resilient plugs socketed in the driven member with substantial surface contact.

2,182,943
PLAITING MACHINE
Albert Germain, Haverhill, Mass.
Application December 17, 1938, Serial No. 246,368
11 Claims. (Cl. 12—51)



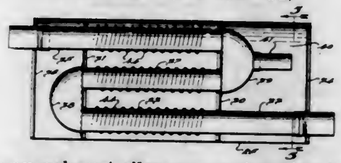
1. In a machine for forming plaits in sheet material, a table, an upright bending plate projecting above the surface of the table, a pair of rolls disposed at opposite sides of said plate and arranged to press together the fold formed by passing the material over the top of the plate, and means for feeding the material past the rolls.

2,182,944
FILM REWIND DEVICE
Jacob M. Goldberg, Denver, Colo.
Application November 7, 1938, Serial No. 239,212
8 Claims. (Cl. 242—55)



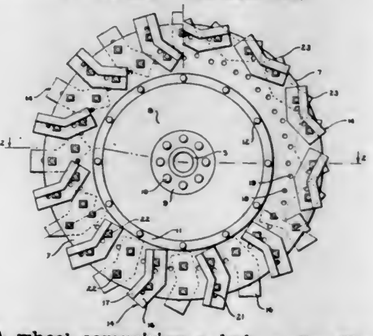
4. In a film rewind machine having a table, a film reel supported thereby, a motor supported by the table, a shaft positioned beneath the table top and mounted for rotation, and means for rotating the shaft by the motor, two friction disks attached to one end of the shaft, in spaced relation, a movable frame positioned between the disks, a counter shaft rotatably attached to the frame, two friction pinions nonrotatably connected with the countershaft, one pinion engaging one disk when the frame moves in one direction and the other pinion engaging the other disk when the frame moves in the other direction, both pinions being positioned on the same side of the center of rotation of the disks, means for transmitting motion from the countershaft to the reel, two pedals pivotally connected with the table, means for transmitting motion from each pedal to the movable frame whereby downward movement of either pedal moves the frame so as to effect an operative engagement between one pinion and the corresponding friction disk, means operated by the downward movement of either pedal for moving the other pedal upwardly, resilient means for normally holding the movable frame in a neutral position between the friction disks, a second film reel supported by the table, a third friction disk carried by the first mentioned shaft, a frame positioned adjacent, and movable relative to the third friction disk, a countershaft rotatably connected with the last named frame, a friction pinion connected with the last mentioned shaft for engagement with the third friction disk, a third pedal pivoted to the table, means for moving said last mentioned frame towards and away from the third friction disk when the third pedal is rocked about its pivot, means operated by the movement of the third pedal for latching the other two pedals in inoperative position when the said third pedal is moved in a direction to produce operative engagement between the pinion carried by the associated frame and the third friction disk, means for transmitting motion from the last named countershaft to the second film reel, and means for latching the third pedal in inoperative position when either of the other pedals is first moved to operative position.

2,182,945
EXHAUST SILENCER
Earl G. Gunn, Jackson, Mich., assignor to Walker Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application July 30, 1937, Serial No. 156,561
8 Claims. (Cl. 181—54)



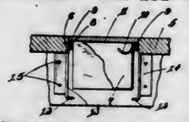
1. In an exhaust silencer construction having a plurality of tubes and having cross-overs interconnecting said tubes to define a retroverted exhaust passage having a substantially uniform cross-sectional area throughout its length, a casing defining a sound resonator chamber surrounding and enclosing one of said cross-overs, and means defining an opening between the interior of said cross-over and said chamber.

2,182,946
WHEEL
Lowell V. Landgreen, Hendley, Nebr.
Application December 6, 1938, Serial No. 244,144
2 Claims. (Cl. 301—44)



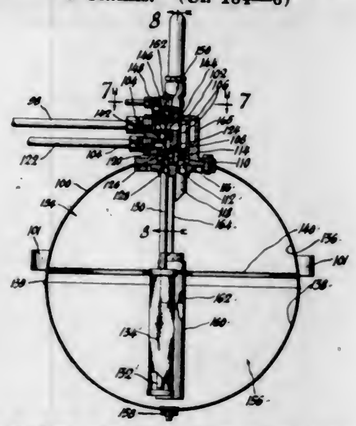
2. A wheel comprising a hub, a disc-like rim surrounding said hub and having the flat surfaces thereof substantially perpendicular to the axis of said hub, means connecting said rim to said hub and traction lugs secured to said rim adjacent the periphery thereof, each of said lugs being channel-shaped in axial cross-section and V-shaped in radial cross-section.

2,182,947
ASH-RECEIVING ATTACHMENT FOR RESTAURANT TABLES
Christie Nichols Paleologos, Charles Town, W. Va.
Application January 6, 1939, Serial No. 249,669
8 Claims. (Cl. 131—241)



1. The combination with a horizontal table top having an opening formed therethrough and having longitudinally extending, inwardly projecting ribs along the opposite sides of said opening, which ribs terminate short of one end of said opening, of an ash receptacle adapted to be seated in said opening and provided with means adapted to hook over and be supported upon said ribs, a lid so dimensioned that when closed and resting upon the hooked over means of the ash receptacle its top lies flush with the table top, and hooks adjacent the corners of the lid at one end thereof, said hooks projecting from the inner face of the lid and in a position to engage over the ends of said ribs, the said ribs being shaped to coact with said hooks in the formation of a hinge connection between the lid and the ribs.

2,182,948
OILING SYSTEM
Eric Olle Schjolin, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 24, 1936, Serial No. 65,220
5 Claims. (Cl. 184—6)



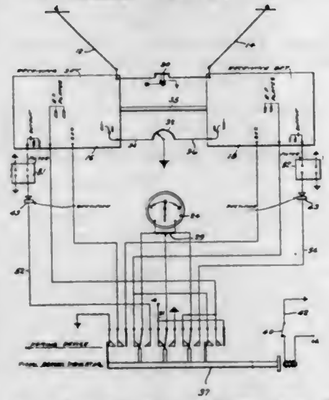
1. In a flow control unit for the lubricating system of internal combustion engines having a throttle and an operating means therefor, said unit comprising a hollow barrel-like part having an inlet, a valve controlling the flow of oil through the inlet, a sleeve slidable in the barrel, a spring in the barrel and having one end retained by the sleeve, said spring resting on the valve and constantly urging it to closed position, a lever connected to the sleeve to move the same, and means interconnected with the throttle operating means to operate the lever to move the sleeve to decrease the pressure of the spring on the valve for throttle-open positions, whereby the amount of oil passing the valve will be proportional to the position of the throttle.

2,182,949
SHOE SOLE PROTECTING DEVICE
Charles S. Staresina, Cleveland, Ohio
Application July 4, 1939, Serial No. 282,807
10 Claims. (Cl. 36—72)



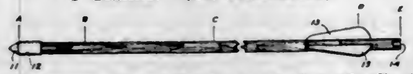
1. A device for protecting the sole extension of shoes comprising, in combination, a length of flexible non-elastic material having an angularly disposed surface adapted to cover the said sole extension and having spaced tabs adapted to engage the sole of the shoe thereby holding the angularly disposed surface against the sole extension.

2,182,950
DIRECTION FINDER OR COURSE INDICATOR
John Steinhoff, Chicago, Ill., assignor, by mesne assignments, to William A. Fairlie
Application May 14, 1935, Serial No. 21,426
7 Claims. (Cl. 250—11)



3. In a radio direction finder, two directive pickup devices responsive to signals from a distant transmitter, means for amplifying the signals received by said devices, respectively, automatic volume control apparatus controlling said amplifying means, an indicator, and means including said volume control apparatus for controlling said indicator to indicate the bearing of said station.

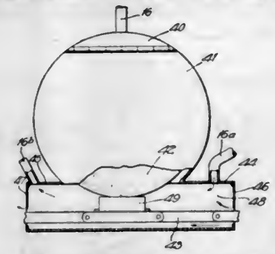
2,182,951
ARROW
William E. Sweetland, Piedmont, Calif.
Application January 3, 1939, Serial No. 249,016
3 Claims. (Cl. 273—106.5)



1. An arrow comprising a wooden shaft, the forward end whereof is compressed with a degree of compression which diminishes toward the rear end of said arrow.

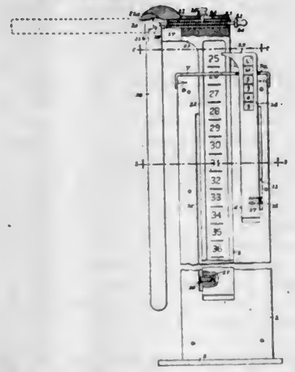
2,182,952
AIR CONDITIONED BUFFING AND POLISHING SYSTEM
Guerin Todd, Shrewsbury, and Octavius Knight, Westfield, N. J., assignors to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application April 30, 1938, Serial No. 205,158
1 Claim. (Cl. 51—266)

Apparatus of the character described, comprising in combination a buffing unit, means for carrying work pieces successively into and out of buffing position with respect to said buffing unit, means for providing and supplying to said buffing unit a preconditioned atmosphere, control means for turning on and shutting off the supply of preconditioned atmosphere, and means coordinated with the movement of said carrying means for



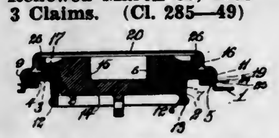
actuating said control means as each work piece enters and leaves the buffing position.

2,182,953
INSEAM MEASURING DEVICE
James Turpan, Paterson, N. J.
Application May 10, 1939, Serial No. 272,827
2 Claims. (Cl. 33—8)



1. Apparatus for the purpose described including a fixed structure, a scale plunger movable up and down and guided by said structure and having a downwardly reading measurement scale, an auxiliary plunger movable up and down and guided by said structure and having a downwardly reading allowance scale, the auxiliary plunger having a pointer to coact with the scale of the scale plunger and the fixed structure providing a pointer to coact with the scale on the auxiliary plunger.

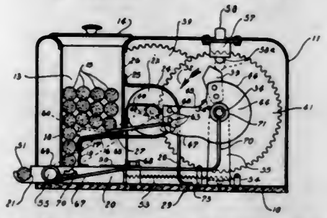
2,182,954
DRUM BUSHING STRUCTURE FOR CONTAINERS AND THE LIKE
Louis B. Wackman, St. Louis, Mo., assignor to American Flange & Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois
Application April 21, 1933, Serial No. 667,179
Renewed March 30, 1938
3 Claims. (Cl. 285—49)



1. A container having an opening in one of its walls and a shoulder formed around the opening, a bushing secured in said opening and having a flange seated on said shoulder, said bushing

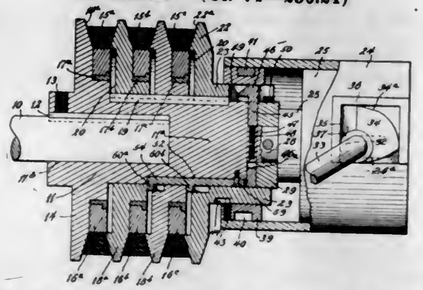
flange on its perimeter being rounded to provide a recess between the flange and the shoulder for receiving the depending edge of a sealing cap.

2,182,955
AUTOMATIC CIGARETTE LIGHTER AND DISPENSER
Everett W. Allen, Bridgeport, Conn.
Application December 15, 1937, Serial No. 179,831
8 Claims. (Cl. 312—86)



1. In a device of the character described, a base, a housing over the base, said housing having an opening in a wall thereof, means forming a cigarette receptacle within the housing and having an opening for movement of cigarettes therefrom toward the base, a movable carrier within the housing below said means and supported for movement by said base, an igniter means within said housing and disposed along the path of movement of said carrier, means mounting said igniter for movement toward the path of movement of the carrier, spring means for moving said carrier into position to receive a cigarette from the receptacle, cam means for moving said carrier from a cigarette receiving position to a second position supporting a cigarette for engagement by said igniter, cam means for moving said igniter into engagement with a cigarette supported by the carrier when the latter is in said second position, said first cam means then operable to move the carrier to a third position projecting through said opening in the housing wall and supporting the cigarette at the outer side of said housing for removal by a user, a motor mounted to form a portable unit with the base and housing and connected to operate both of said cam means, means for starting said motor, and means for automatically stopping the motor when the first mentioned cam means has moved the carrier to the last mentioned position.

2,182,956
CLUTCH PULLEY
George Beyerline, Los Angeles, Calif.
Application August 14, 1935, Serial No. 36,222
Renewed May 3, 1939
25 Claims. (Cl. 74—230.24)



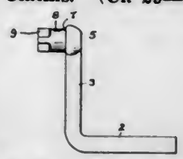
10. In a clutch pulley for multiple or single V-belts, said clutch pulley having separable parts for engaging the sides of the V-belts, said separable parts being separable sufficiently far to be entirely out of engagement with the V-belts, and manually controlled means to separate said parts, locking means to hold the parts normally in belt-engaging position; said locking means automatically engaging one of the separable parts when said separable parts are close enough together to engage a V-belt, and being moved to releasing position by manipulation by said manually operable means prior to the separation of said separable means.

2,182,957
GAME
Joseph Thomas Blanck, Baltimore, Md.
Application March 18, 1939, Serial No. 262,720
1 Claim. (Cl. 46—45)



An electrostatic toy consisting of a box having a transparent cover of glass, Celluloid or like material, the box having therein a number of objects made of Cellophane, weighted at their bases with cardboard and simulating animals or toy manikins, so that if friction is applied to the cover, said objects will be caused to assume an upright position, in which position they will move around in irregular paths, said movements being kept up and the upright position being retained by said objects for long periods after the friction is removed.

2,182,958
METHOD OF MAKING CRANKS FOR BICYCLES, VELOCIPEDES, ETC.
Giles E. Bullock, Rochester, N. Y.
Application June 16, 1937, Serial No. 148,526
2 Claims. (Cl. 29—6)

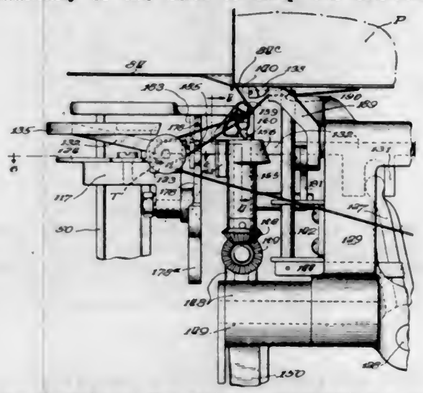


2. The method of forming a crank from a predetermined length of round steel stock of uniform diameter which consists in bending the length of rod stock into a substantially Z shaped form to provide a crank arm with a pedal shaft and a crank pin projecting from the ends of the crank arm in opposite directions substantially parallel to each other, then axially compressing the crank pin to provide an enlarged hub on the end of said crank arm with a reduced substantially conical crank pin projecting from it with a stepped shoulder between the hub and the crank pin, then axially compressing and thereby radially expanding the conical crank pin to form a limb having a cylindrical surface adjacent said hub.

2,182,959
TYING MACHINE
Benjamin H. Bunn, Chicago, Ill., assignor to B. H. Bunn Company, Chicago, Ill., a corporation of Illinois
Application July 16, 1937, Serial No. 153,940
11 Claims. (Cl. 289—2)

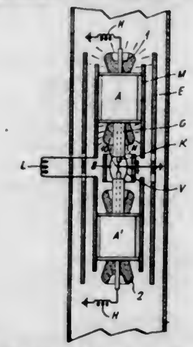
1. A tying machine comprising in combination,

a knotter having a beak for receiving a double wrap of twine thereabout and grasping an integral extension of the twine between the jaws to pull it through the beak-encircling twine to form a knot loop, the beak having two jaws mounted for relative articulation, and a stripper cooperating with the beak along one side thereof by relative motion of the stripper and beak longitudinally of the beak to strip the encircling



twine therefrom, the stripper comprising a portion extending laterally toward the side of the beak and presenting an edge thereadjacent, a notch in the edge for receiving the side by side reaches of twine being pulled through the encircling twine, the face of the said portion of the stripper toward the point of the beak being disposed at an angle to the side of the beak whereby the stripping edge presents an acute angle corner.

2,182,960
NEUTRALIZED HIGH FREQUENCY AMPLIFIER
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 29, 1938, Serial No. 187,751
In Germany February 12, 1937
6 Claims. (Cl. 179—171)



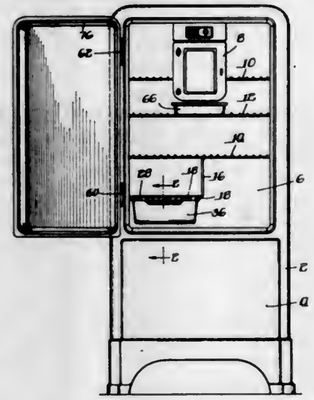
2. In an arrangement for neutralizing high frequency amplifier tubes having grid and plate electrodes, a tube capacity comprising interelectrode capacity substantially equal to the grid to plate capacity of the said tube amplifier, connected to neutralize the grid to plate capacity of said first tube amplifier, and means for shielding the stray capacities between the grid and plate of the first tube and between the electrodes of the second tube forming said inter-electrode capacity comprising a conductive member differentially movable relative to an electrode in said first tube and to an electrode in said second tube.

2,182,961
VERNIER CONTROL
Roy T. Clay, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application November 6, 1937, Serial No. 173,173
3 Claims. (Cl. 74—530)



1. An adjustable control assembly comprising a slotted quadrant having gear teeth along a rim face thereof, a control lever pivotally movable relative to said quadrant and passing through said slot, a bracket on the lever, a spindle rotatable and slidable in said bracket having a pinion engageable, when said spindle is slid inwardly, with said gear teeth, and a knob on the outer end of said spindle for directly moving said lever in the quadrant and for turning said pinion, when the latter is engaged with the gear teeth.

2,182,962
REFRIGERATOR
Arthur R. Constantine and Mahlon W. Kenney, River Forest, Ill., assignors, by mesne assignments, to William C. Grunow, Chicago, Ill.
Application July 31, 1935, Serial No. 34,033
7 Claims. (Cl. 62—89)



1. In a refrigerator comprising means forming a cooling chamber having cooling means, the combination of a support element comprising a cover mounted in said chamber, a container element having an opening and carried by said support element in such relationship that said cover may serve to close said opening, when said elements are in closed position, and the container element may move on the support element from closed position to an open position permitting access into the container element through said opening, and gasket means on one of said elements forming an hermetic seal between the cover and the container element at the edges of said opening when the elements are in closed position.

2,182,963
COLORATION OF TEXTILE AND OTHER MATERIALS
Henry Dreyfus, London, and Robert Wighton Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 29, 1937, Serial No. 156,312. In Great Britain August 13, 1936
6 Claims. (Cl. 8—36)

1. Process for the coloration of materials of an organic derivative of cellulose, which comprises forming a dye liquid by dissolving a vat dyestuff in an organic base, reducing said vat dyestuff in the substantial absence of water to form a leuco compound and diluting the resulting composition with a neutral organic liquid, applying the dye liquid thus formed to the materials, and thereafter oxidizing the leuco compound to the vat dyestuff on the material.

2,182,964
COLORATION OF TEXTILE AND OTHER MATERIALS
Henry Dreyfus, London, and Robert Wighton Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 29, 1937, Serial No. 156,313. In Great Britain August 13, 1936
13 Claims. (Cl. 8—35)

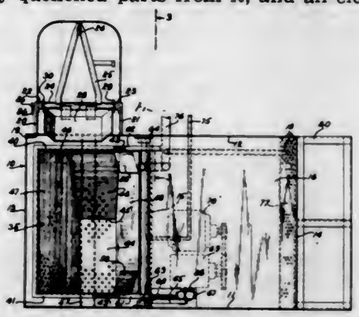
1. Process for dyeing textile materials, films, foils and like materials which have a basis of an organic derivative of cellulose, which comprises dyeing said materials in a bath containing an acid, a salt of an ester of a leuco vat dyestuff, a reducing agent and an organic liquid medium containing at most only a small proportion of water, and thereafter converting the dyestuff derivative on the materials to the parent vat dyestuff by treating with an acid oxidizing agent.

2,182,965
PROCESS FOR TREATING FRUIT
John P. Ioannu, Philadelphia, Pa.
No Drawing. Application October 8, 1937, Serial No. 168,009
6 Claims. (Cl. 99—103)

1. A process for intensifying the color of fresh citrus fruits comprising the steps of treating the fruits with sulphur dioxide, then treating said fruits with an alkaline compound capable of lowering the acidity of the surface of the fruit, and then treating said fruits with an aldehyde compound capable of reacting with the compounds formed on the surface of the fruit by the previous treatment with the said sulphur and said alkali derivatives.

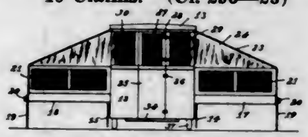
2,182,966
MATERIAL HANDLING APPARATUS
Ray C. Kivley, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1937, Serial No. 164,165
1 Claim. (Cl. 266—6)

Quenching apparatus for use in conjunction with galvanizing processes comprising means for receiving a supply of quenching material, a receptacle normally held in a horizontal position and partially immersed in said quenching material, a tiltable basket supporting framework normally held in a horizontal position to receive a basket full of parts to be quenched and tiltable to dump the contents of a basket into the receptacle, motor driven means for tilting the receptacle from its normal horizontal position to empty quenched parts from it, and an electrical



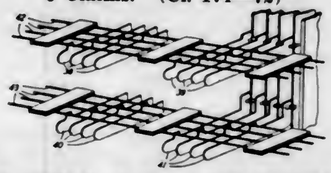
interlock in the motor circuit operable under control of the tiltable framework for opening the operating circuit of the motor when the framework is tilted to prevent tilting of the receptacle when the framework is out of its normal position.

2,182,967
COLLAPSIBLE AUTO TRAILER
Frank F. Kors, Independence, Kans.
Application August 27, 1937, Serial No. 161,212
19 Claims. (Cl. 296—23)



1. In a trailer of the class described, the combination of a body having side walls, a top raisable off the top of said side walls, side enclosures hinged to the top of said side walls to swing upwardly into operative position extending between said body and said top in the latter's raised position, posts supporting said top for up and down movement relative to said body, means for raising said posts relative to said body, and coiled tension springs connecting said enclosures and said top for automatically swinging the enclosures upwardly relative to the body when the top is being raised.

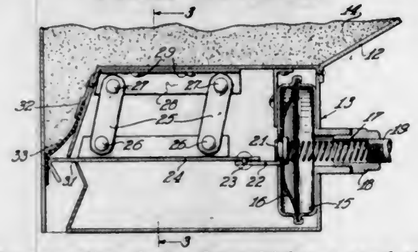
2,182,968
METHOD OF MAKING ELECTRICAL CONNECTIONS
Robert L. Lunsford, Belleville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 8,594
6 Claims. (Cl. 174—72)



1. The method of connecting a plurality of electrical terminal sets in multipled relation which comprises providing the individual terminals of said sets with recesses, arranging said terminals with the recesses thereof in line, preparing a connecting cable by arranging a plural-

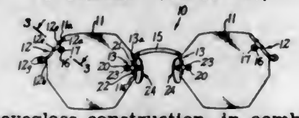
ity of conductors in spaced relation, placing a series of insulating members in proximity to said conductors, cementing said insulating members to said conductors to form a unitary cable structure, applying said cable structure to said terminals with the conductors resting in said recesses, and securing said conductors to said terminals.

2,182,969
SAND VALVE FOR MOTOR VEHICLES
John F. Madigan, Chicago, Ill., assignor of one-third to Maurice Stans and one-third to Frank R. Beane, both of Chicago, Ill.
Application June 21, 1937, Serial No. 149,326
1 Claim. (Cl. 291—34)



In a sanding device for vehicles, a sand storage compartment having a bottom wall forming a discharge outlet for the sand, a rubber apron secured at its upper end to one wall of said discharge outlet and depending freely therebelow, a horizontally disposed sliding member mounted to cooperate at one end with said apron to move the lower end thereof against an opposed wall portion of said outlet to close said sand outlet, spring means normally urging said slide to such closed position, and means for moving said slide against the action of said spring to open position to permit said apron to fall out of closing position and allow the sand to be discharged from said storage compartment.

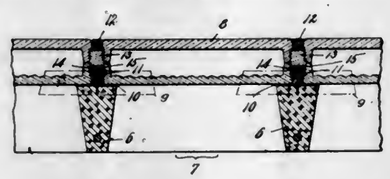
2,182,970
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Bristol, Mass., a corporation of Maine
Application November 17, 1937, Serial No. 175,009
3 Claims. (Cl. 88—47)



2. In eyeglass construction, in combination, a lens; a fitting secured to said lens including a body portion which engages the rear surface of said lens, extends downwardly therealong, thence outwardly and rearwardly therefrom with its free end located to the rear of said lens, said body portion having an eyelet resting on the rear surface of said lens, and lugs extending from said body portion around the edge of said lens to engage the front surface thereof and to support said fitting; a fastening element extending through said eyelet and said lens, and a temple pivotally connected to said end of said body portion.

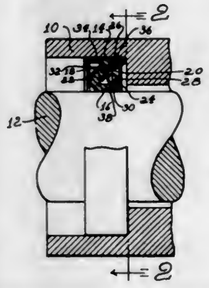
2,182,971
SKYLIGHT OR FLOORLIGHT CONSTRUCTION
Joshua M. Richards, Brookline, Mass.
Application September 17, 1937, Serial No. 164,305
4 Claims. (Cl. 94—28)

1. A skylight, floorlight, or like construction having, in combination, a framework provided with an aperture, a light transmitting element having a lower coefficient of heat transfer than the light transmitting element for the aperture, a shield for the light transmitting element se-



cured to the framework, insulating material surrounding the element and overlying the shield, and two separate layers of sealing compound surrounding the light transmitting element and underlying and overlying the insulating material, respectively.

2,182,972
SEAL
Robert M. Scott, Windsor, Ontario, Canada
Application October 29, 1937, Serial No. 171,722
1 Claim. (Cl. 288—3)

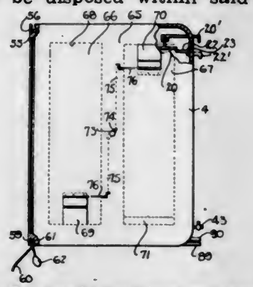


A self-contained seal comprising a cup-shaped member having an outer axially extending wall and a radially extending wall, a radially extending washer spaced axially from said radially extending wall and held against outward displacement by a radially extending flange on said axially extending wall, an annular spacer of V cross sectional shape having its free ends in engagement with the inner face of said washer and one of its sides parallel to and in contact with said axially extending wall, a spacer having an intermediate portion disposed substantially parallel to said axially extending wall and spaced therefrom and having oppositely disposed portions each extending generally obliquely with respect to the axis of said seal, and a packing member having a diagonally extending flange and an axially extending flange, said diagonally extending flange being held between said spacers and in engagement with said parallel disposed and obliquely extending portions of said last mentioned spacer.

2,182,973
AIR CONDITIONING DEVICE
Thaddeus Arthur Taylor, Lufkin, Tex.
Application March 21, 1933, Serial No. 662,005
9 Claims. (Cl. 128—191)

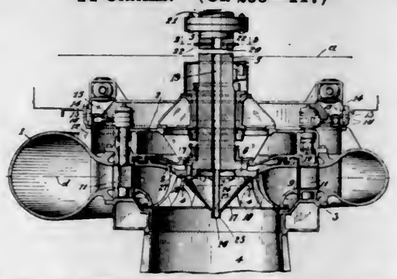
5. A connection between the control box and the treatment housing of an oxygen therapy apparatus including a flange on the box to form a

recess, a resilient means carried by the treatment housing to be disposed within said recess and



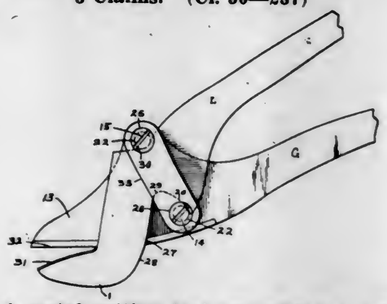
means to inflate said resilient means to make a fluid-tight connection.

2,182,974
HYDRAULIC TURBINE
Roger V. Terry, Hilton Village, Va., assignor to Newport News Shipbuilding and Dry Dock Company, Newport News, Va., a corporation of Virginia
Application December 10, 1937, Serial No. 179,077
14 Claims. (Cl. 253—117)



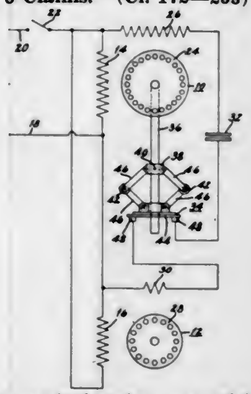
1. In an hydraulic turbine, a rotor, means for delivering water to said rotor under pressure, a discharge conduit for carrying water away from said rotor, and means associated with said rotor for admitting a gaseous fluid to said discharge conduit, the point of admission of the gaseous fluid being located at the center of said discharge conduit.

2,182,975
METAL CUTTING TOOL
Archibald L. Wallace, Northport, N. Y.
Original application November 6, 1933, Serial No. 696,741. Divided and this application August 10, 1937, Serial No. 158,269
3 Claims. (Cl. 30—237)



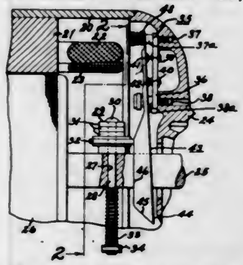
1. A metal cutting tool comprising a pair of jaws pivotally connected together and adapted for cutting the metal by pivotal movement of said jaws, the pivotal connection between said jaws including a pair of spaced pivot forming members carried by one jaw and slidably engageable by spaced parts of the other jaw, and a spring plate carried by said pivot forming members and bridging therebetween in engagement with the second jaw to hold said jaws in operative assembly.

2,182,976
MOTOR CONTROL SYSTEM
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 14, 1935, Serial No. 44,901
Renewed October 12, 1938
8 Claims. (Cl. 172—233)



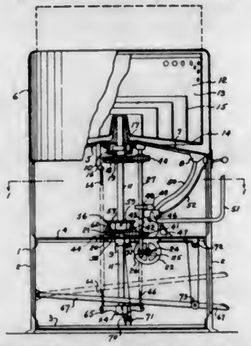
1. A motor control system comprising, in combination, a power supply line, two single phase induction motors having main field windings connected across the power supply line and auxiliary field windings with different reactances and a switch controlled by one of the motors, said auxiliary field windings being connected in series with one another through said switch so that when the switch is opened both of the auxiliary field windings are effectively open circuited and the series connection between the auxiliary field windings is broken.

2,182,977
CENTRIFUGAL SWITCH
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 23, 1936, Serial No. 107,121
18 Claims. (Cl. 200—80)



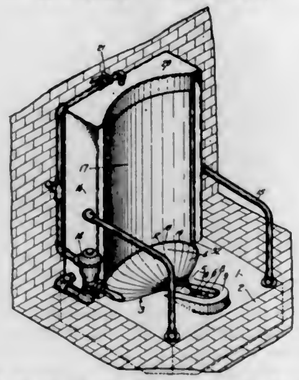
7. A centrifugal switch comprising in combination a rotary shaft; a stationary support, a fixed contact insulatingly carried by the support; a spring urged movable member slidably mounted on the support; a boss and a contact carried by a member in spaced relation thereon and providing pivot points for the member; and means carried by the shaft for normally holding the contacts in engagement with each other, said means being responsive to centrifugal force produced by rotation of the shaft to permit the contact carried by the movable member to form a pivot therefor until the boss engages the support whereby the pivot for the movable member is shifted to cause the contacts to break quickly.

2,182,978
DISHWASHING MACHINE
Arthur N. Beaubien, Agassiz, British Columbia, Canada
Application April 25, 1938, Serial No. 204,127
4 Claims. (Cl. 141—9)



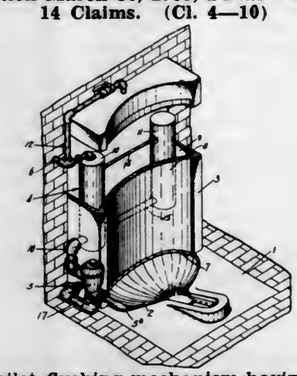
1. A dishwasher comprising a tank having a vertical shaft and a basket supported upon said shaft, a gear and a crank freely rotatable about the shaft, a clutch member associated with the gear and a clutch member associated with the crank, means for imparting rotation to the gear and a rocking movement to the crank, a driving member having clutch elements non-slidably secured to the shaft and means for imparting endwise movement to the shaft and the driving member secured thereto to bring the driving member into engagement with the clutch member of the gear as the shaft is raised and to bring the driving member into engagement with the clutch member of the crank as the shaft is lowered.

2,182,979
TOILET
Joseph G. Bruzenak, New Britain, Conn.
Application October 14, 1938, Serial No. 235,010
15 Claims. (Cl. 4—104)



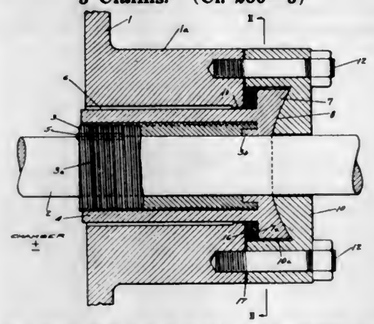
1. In a squat type toilet, a base having a bowl therein, a narrow forwardly projecting urinary apron leading downward to said bowl, and foot supports at the top of said base and at the top of said bowl on opposite sides of said apron and outside of and in front of said bowl.

2,182,980
TOILET
Joseph G. Bruzenak, New Britain, Conn.
Application March 30, 1939, Serial No. 265,009
14 Claims. (Cl. 4—10)



1. A toilet flushing mechanism having a water inlet pipe and a larger outlet pipe leading to the toilet, a flush valve therebetween adapted to be controlled by water pressure acting thereon, and means for prolonging the pressure of water substantially free from air acting on said valve when opened to maintain said valve open for a longer period than is possible as a result of inlet flow.

2,182,981
LIQUID SEAL FOR SHAFTS
William H. Drost and Roy W. Drost, Portland, Oreg.
Application November 21, 1938, Serial No. 241,484
5 Claims. (Cl. 286—5)

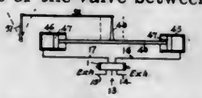


1. A liquid seal for a shaft that passes through a wall, comprising a shaft, a threaded enlargement on said shaft that projects substantially inside of the wall, a cylinder mounted with a running fit on the threaded portion of the shaft to substantially cover the same, a spherical sector bearing at the outer end of the cylinder and a rubber cushion member effective to support said outer end of said cylinder floatingly air tight against a registering opening in the wall.

2,182,982
FOUR-WAY VALVE MECHANISM
John Evans, Indiana Harbor, Ind.
Application October 30, 1937, Serial No. 171,865
3 Claims. (Cl. 121—46.5)

1. A four-way balanced valve comprising a

unitary body having an annular reduced diameter about midway of its length and a central bore extending inward from each end terminating adjacent the reduced diameter, full diameter shoulders at each end of the reduced diameter, flattened ends of the valve between the shoulders



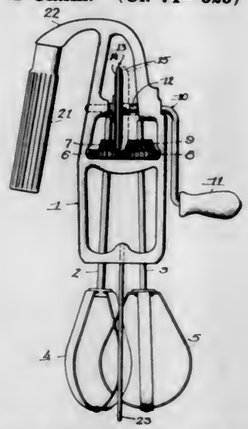
and the valve ends having openings communicating with the central bores, a casing having openings in its walls for the valve, closed ends of the casing, a stem to which the valve is attached movable through the casing ends, and means external of the casing for rocking the stem variably and variably moving it endwise as desired.

2,182,983
WEATHER STRIP
Harry H. Goldberg, Denver, Colo.
Application January 3, 1939, Serial No. 248,942
7 Claims. (Cl. 20—69)



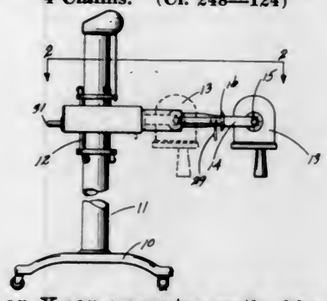
1. A device for effecting a seal between a casement frame and sash, comprising a metal strip, a sealing strip of resilient material attached along each edge thereof, said resilient strips projecting unequal distances from one surface of the metal strip, the thinner and the thicker resilient strips being adapted to contact respectively with the casement frame and the sash.

2,182,984
BEATER AND MIXER
Edward R. Hacmac, Hollywood, Calif., assignor to Na-Mac Products Corporation, Hollywood, Calif., a corporation of California
Application May 16, 1938, Serial No. 208,132
1 Claim. (Cl. 74—325)



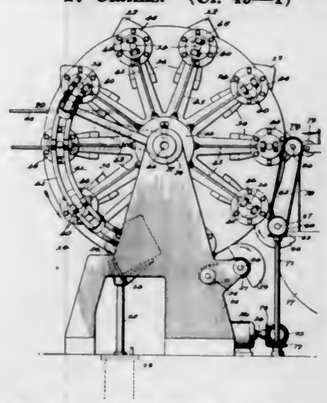
In a beater and mixer having a supporting frame, a drive shaft provided with an operating handle and a pair of driven shafts, means for driving the driven shafts at two speeds comprising a double faced gear secured on the drive shaft, intermeshing gears on the driven shafts, a pinion on each of the driven shafts, one pinion being of less diameter than the other, the drive shaft being movable longitudinally whereby its gear may engage one or the other of the pinions on the driven shafts, spaced annular races on the drive shaft, and a spring pressed member in the frame adapted to be locked in one or the other of said races to automatically maintain the drive shaft gear in engagement with one or the other of the driven shaft pinions.

2,182,985
SLIDE SUPPORT FOR X-RAY HEADS
Harry N. Henry, South Fort Mitchell, Ky., assignor to The Kelley-Koett Manufacturing Company, Inc., Covington, Ky., a corporation of Ohio
Application August 6, 1937, Serial No. 157,765
4 Claims. (Cl. 248—124)



1. In an X-ray apparatus or the like, a base, a column arising therefrom, a carriage vertically movable thereon, a box-like receiving member on said carriage and surrounding said column, a fork slide adapted to be slidably nested in the receiving member a smaller slide adapted to nest inside of the fork slide, a load object rotatably attached to the last mentioned slide, a square rod traversing each slide and the receiving member and means cooperating with said rod for locking said slides.

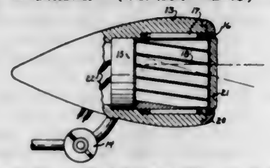
2,182,986
METHOD AND AUTOMATIC DEVICE FOR SEALING GLASS BLOCK HALVES TOGETHER
John R. Hoge, Leonard D. Soubier, and Lawrence O. Mankin, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application October 31, 1936, Serial No. 108,612
17 Claims. (Cl. 49—1)



2. In a machine for sealing the edges of preformed sections of hollow glass building blocks,

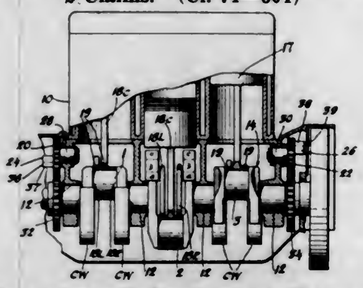
movable means for rotatably supporting a pair of juxtapositioned block sections the edges of which are in contact and for urging said sections toward each other under pressure, means for producing a flame, means for indexing said supporting means to bring the block sections into the vicinity of said flame producing means with the flame thereof directed onto the sections in the vicinity of the meeting edges thereof, means for rotating said sections while in the vicinity of said flame producing means, means for indexing said supporting means to bring the meeting edges of said sections into contact with a ribbon of molten glass drawn from a pool thereof, and means for rotating said sections to further draw said ribbon from said pool and apply the same to said meeting edges.

2,182,987
HOUSING FOR LIGHT-SENSITIVE CELL OR THE LIKE
Lloyd N. Hopkins, Storm Lake, Iowa
Application April 2, 1938, Serial No. 199,691
1 Claim. (Cl. 250—41.5)



In a casing for a light-sensitive cell for receiving light rays within a given angle forward of the light-sensitive cell, a shell casing having one of its ends open, a light-sensitive cell in said casing, a plurality of vertical vanes in said casing between said light-sensitive cell and the open end of said casing, and a plurality of horizontal vanes in said casing between said light-sensitive cell and the open end of said casing; said horizontal vanes sloping forwardly and downwardly for limiting the height of vertical reception of light rays by said light-sensitive cell.

2,182,988
ENGINE BALANCING
Charles W. Iseler, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 11, 1936, Serial No. 100,263
2 Claims. (Cl. 74—604)

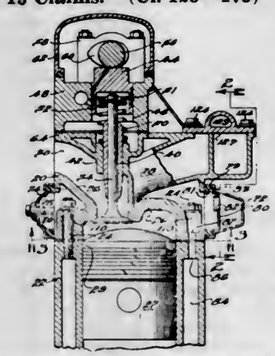


1. In a nine-cylinder W-engine the combination which includes cylinders arranged in three banks, the central bank being at a 45° angle with respect to right and left banks, pistons and connecting rods for each cylinder, a three-throw crankshaft having crankpins at 120° intervals, weights fixed to the crank cheeks to maintain centrifugal balance, additional weights fixed to the crank cheeks to balance primary inertial couples of the right and left banks, a crankshaft gear at each end of the crankshaft, a pair of gears having eccentric weights thereon driven from each of said crankshaft gears at crankshaft speed but in opposite directions for completely balancing primary inertial couples in the central bank, the weights on one of said pair of gears being displaced 180° with respect to the other pair, a second pair of gears at each end of the crankshaft having eccentric weights thereon driven by said first pairs of gears at twice crankshaft speed, the eccentric weights on one of said second pairs being displaced 180° from those on the other of said second pairs so that secondary inertial couples in the right and left banks will be balanced, and two other gears having eccentric weights thereon to completely balance the secondary inertial couple of the central bank, one of said latter two gears being driven by one of said first mentioned pair of gears and the other of said latter two gears being driven by the second of said first mentioned pair of gears at twice crankshaft speed, the eccentric weights being displaced 180° from each other.

2,182,989
FERMENTATIVE PRODUCTION OF SOLVENTS FROM GARBAGE
James W. Jean, Pasadena, Calif.
No Drawing. Application April 14, 1937, Serial No. 136,787
4 Claims. (Cl. 195—44)

3. The process of manufacturing butyl alcohol, acetone and ethyl alcohol from garbage waste, which consists of reducing garbage waste to a mash, adding to said waste a fermentable mash prepared from grains to produce a homogeneous mass, cooking said mass for substantially two hours, and adding sufficient water to produce substantially a 5% carbohydrate mass, then inoculating said carbohydrate mass with a culture of *Clostridium felsinae* in an amount equivalent to substantially 10% of the mass by weight and allowing it to ferment at a temperature substantially not above 37° C., and finally recovering the liquid solvents produced by fermentation from the mass and separating the same into butyl alcohol, acetone and ethyl alcohol.

2,182,990
INTERNAL COMBUSTION ENGINE
Floyd F. Kishline, Birmingham, Mich., assignor to Graham-Paige Motors Corporation, Detroit, Mich., a corporation of Michigan
Application August 4, 1937, Serial No. 157,397
13 Claims. (Cl. 123—173)



5. In an internal combustion engine, the com-

bination of a head having a water jacket formed therein and having an opening in at least one lateral wall of the jacket affording access to the interior thereof, means accessible within the jacket through said opening for securing the head to associated engine cylinders, and a removable coolant manifold having a plurality of nozzles associated therewith for closing said opening and through which coolant may be directed into the head jacket.

2,182,991

PROCESS FOR PREPARING POLYESTERS

Wilbur A. Lazier, Wyckwood, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 22, 1937, Serial No. 181,204

7 Claims. (Cl. 260—495)

1. The process for preparing polymeric esters which comprises heating in the presence of a dehydrogenation catalyst a polymethylene glycol having at least two primary hydroxyl groups and having at least six methylene groups interposed between the hydroxyl groups.

2,182,992

CORROSION PREVENTIVE

Robert B. Lebo, Elizabeth, N. J., assignor to Stanco, Incorporated

No Drawing. Application September 24, 1937, Serial No. 165,493

4 Claims. (Cl. 134—1)

1. A corrosion preventive composed of degras and an alkali metal salt of oil-soluble sulfonic acids derived from petroleum by treating petroleum oil with concentrated sulfuric acid in which the ratio of alkali metal salt of oil-soluble sulfonic acids to degras is between 1:1 and 1:15 respectively.

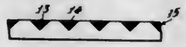
2,182,993

PRISMATIC SCREEN

Gabriel Garcia Moreno, Los Angeles, Calif., assignor to C M C Corporation, New York, N. Y., a corporation of Delaware

Application July 31, 1936, Serial No. 93,627

2 Claims. (Cl. 95—81)



1. A method of producing a prismatic screen adapted for use in additive photography, which comprises: making a photographic record of an object composed of actinic and non-actinic parallel lines, the actinic lines having a width more than equal to but not materially exceeding twice the width of the non-actinic lines, developing said photographic record to form a graded image of all actinic lines, hardening the gelatin of said photographic record and bleaching said record to remove said images and associated gelatin to form a prismatic relief consisting of a plurality of parallel spaced flat faces separated by V-shaped depressions having flat oppositely inclined opposing faces, said resulting screen being capable of transmitting more than 75% of light supplied thereto.

2,182,994

BEARING FOR ROLLING MILLS AND THE LIKE

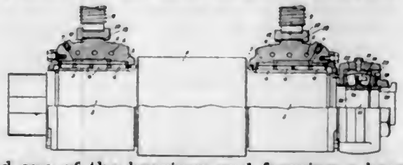
Per Gunnar Palmgren, Philadelphia, Pa., assignor to Aktiebolaget Svenska Kullagerfabrieken, Goteborg, Sweden, a corporation of Sweden

Application April 18, 1934, Serial No. 721,141

In Germany April 24, 1933

4 Claims. (Cl. 80—55)

1. A bearing mounting, especially for rolling mills and the like, and comprising a frame and a roll mounted in the frame and formed with roll necks, a bearing housing surrounding each of said necks, there being radial bearings within the housing and supporting the roll necks of a type permitting axial adjustment of the roll necks, each bearing housing being formed with a substantially horizontal ridge located at right angles to the axis of the roll, means on the frame for engaging the ridges and supporting the loads to which the bearings are subjected when rolling a work piece, the roll being extended outwardly be-



yond one of the bearings and forming a bearing seat and a self aligning thrust bearing mounted upon the bearing seat, a separate housing supporting such bearing for taking up thrust, the housing being provided with guide ways substantially perpendicular to the axis of the roll, and guiding members freely movable in said guides and secured to the frame whereby the thrust bearing is movable in a direction substantially perpendicular to the axis of the roll, the said means for supporting the load permitting the movement of the said outward extension in the general plane of the said guideways.

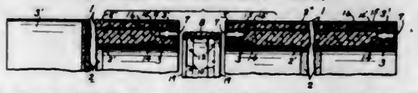
2,182,995

EXPANSION PIPE JOINT

Robert K. Pepper and Samuel C. V. Pepper, Syracuse, N. Y.

Application April 18, 1938, Serial No. 202,749

8 Claims. (Cl. 285—112)



1. In a joint structure of the class described wherein a pair of members to be joined are provided the one with an insert element and the second with a groove element receiving said insert element therein, the inner end portion of the groove being of greater cross sectional area than the adjacent forward end portion of the insert to provide a chamber adjacent said forward end portion of the insert for the reception of a sealing material, the outer end portion of the groove and the adjacent portion of the insert being of substantially the same cross sectional area so as to have a close sliding fit one with the other for determining the position of the forward end portion of the insert with respect to the chamber and to prevent ready escapement of the sealing material from the chamber during the movement of the insert into said grooves.

2,182,996

MANUFACTURE OF FABRICS CONSISTING WHOLLY OR PARTLY OF RUBBER ELASTIC THREADS

Thomas Lewis Shepherd, London, England

Original application May 9, 1934, Serial No. 724,814. Divided and this application April 8, 1935, Serial No. 15,340. In Great Britain March 19, 1934

22 Claims. (Cl. 28—1)

1. A method of manufacturing a fabric consisting in coating elastic rubber thread with a suitable soluble material, and allowing or causing it to dry, whereby the thread can no longer be substantially stretched, leading the thread



thus treated into a machine for manufacturing the fabric, after which the coating is removed from the thread of the fabric so as to restore again to the threads their capacity of stretching.

2,182,997

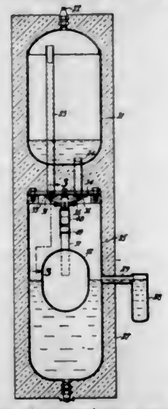
REFRIGERATION

Albert R. Thomas, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of New York

Application February 19, 1937, Serial No. 126,599

Renewed May 2, 1939

17 Claims. (Cl. 62—119.5)



9. In a heat transfer system containing a fluid and having a condensation portion at a lower level and a vaporization portion at a higher level, structure forming a main chamber and an auxiliary chamber communicating with the main chamber and adapted to receive the fluid in the system in a liquid state, a rising conduit for conducting liquid from the lower part of said main chamber to the higher level, means to permit intermittent flow of liquid into said main chamber during periods alternating with periods during which vapor formed in said auxiliary chamber due to evaporation of liquid therein flows into the upper part of said main chamber and acts against liquid in the latter to force liquid upwardly through said rising conduit to the higher level, and means to prevent vapor formed in said auxiliary chamber from entering said main chamber during the periods when liquid flows into said main chamber.

2,182,998

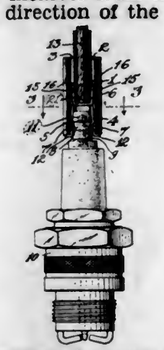
SPARK PLUG CABLE TERMINAL

Frederick Paul Upton, Millerton, N. Y.

Application June 30, 1938, Serial No. 216,768

6 Claims. (Cl. 173—269)

6. An article of commerce comprising a spark plug terminal having a sleeve of insulating material and a metallic member housed within the sleeve, said metallic member having arms with inturned tines for gripping an ignition cable and contacting with the conductor thereof, the metallic member also having arms extending in an opposite direction to the arms having the tines and having their ends protruding from the end of the sleeve and bent thereover to normally prevent the metallic member from moving through the sleeve in the direction of the cable opening,



and cooperative means between the sleeve and metallic member for limiting the longitudinal movement of the metallic member in the sleeve in a direction opposite to the first-mentioned direction.

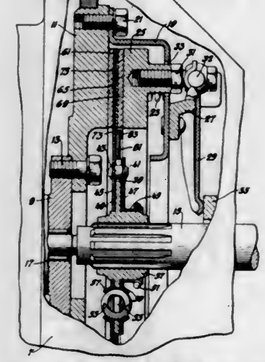
2,182,999

AUTOMOBILE CLUTCH

William S. Wolfram, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 14, 1937, Serial No. 148,095

7 Claims. (Cl. 192—52)



1. In a clutch, spaced driving members, a driven member therebetween, said driven member comprising a driven plate, segmental plates opposed to the driven plate, facings carried by said driven plate and said segmental plates, resilient means radially within said facing and means actuated by said resilient means and extending between said driven plate and segmental plates to space said plates apart when the clutch is released.

2,183,000

CLUTCH

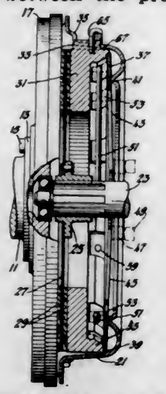
William S. Wolfram, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 11, 1938, Serial No. 201,209

4 Claims. (Cl. 192—68)

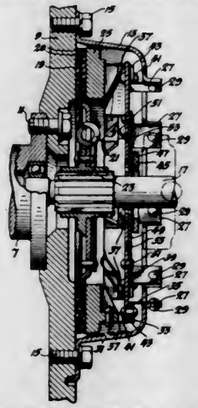
1. In a clutch having as parts thereof an axially fixed abutment and a reciprocable pressure plate, spring means reacting on said abutment and operable to move said pressure plate into clutch engaging position, means to take the re-

action of said spring means from said abutment, a spring in the form of an axially twisted wire rod extending between the pressure plate and



the abutment plate and operably connected to said abutment plate and pressure plate to offer yielding resistance to the movement of the pressure plate by the clutch engaging spring.

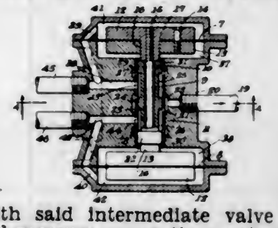
2,183,001
FRICTION CLUTCH
William S. Wolfram, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 27, 1939, Serial No. 258,646
4 Claims. (Cl. 192—68)



1. In a clutch having a flywheel, a cover, a reciprocable pressure plate and a driven member adapted to be gripped between the flywheel and pressure plate, yielding clips having axially and radially spaced ends secured to said cover and the pressure plate and radially extending intermediate parts, plate spring means adapted to effect clutch engagement, means to attach the outer margin of said spring means to said intermediate parts of said clips and throwout means operable upon the inner margin of said spring means.

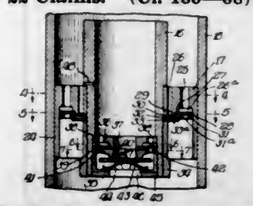
2,183,002
ACCELEROMETER
Emmon Bach, Yonkers, N. Y., assignor, by mesne assignments, to National Aviation Research Corporation, New York, N. Y., a corporation of Delaware
Application October 2, 1936, Serial No. 103,628
4 Claims. (Cl. 264—1)

3. An accelerometer, comprising, an accelerometer casing disposed on a substantially vertical axis, substantially horizontally disposed weighted diaphragms in the upper and lower portions of said vertically arranged casing, a vertically extending connection between said diaphragms, a slide valve carried by said connection, an intermediate and two end valve chambers controlled by said slide valve, a venturi con-



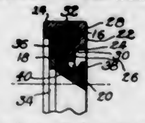
nected with said intermediate valve chamber, differential pressure connections extending from said end valve chambers, a differential pressure instrument connected with and controlled by said differential pressure connections, passages extending from said differential pressure connections to said diaphragms and said casing having an air inlet to said end valve chambers controlled by said slide valve.

2,183,003
HYDRAULIC SHOCK ABSORBER
Frederick P. Becker, Chicago, Ill.
Application January 2, 1937, Serial No. 118,813
22 Claims. (Cl. 188—88)



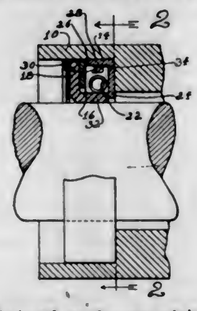
1. In a shock absorber, in combination, a cylinder adapted to be closed at both ends, a ported piston within said cylinder, a hollow piston rod extending through one end of said cylinder and connected with said piston, and valve means for controlling communication between the interior of said piston rod and the space within said cylinder at the opposite side of said piston, said valve means including means permitting access of hydraulic medium into the interior of said piston rod from said cylinder but stopping flow of hydraulic medium from said piston rod to said cylinder, said valve means also including means responsive to a decrease in pressure within said cylinder at said opposite side below the pressure within said piston rod for controlling the flow of fluid from the interior of said piston rod to said cylinder.

2,183,004
SEAL
Donald A. Boyd, Detroit, Mich.
Application October 29, 1937, Serial No. 171,718
1 Claim. (Cl. 288—3)



A self-contained seal for insertion in a housing surrounding a shaft comprising a centrally apertured cup having an annular peripheral portion and a radially extending flange, said flange being bent axially inwardly forming an inner axially extending flange spaced radially from said annular peripheral portion and then bent radially to form a second radially extending flange, a centrally apertured ring having a plurality of openings in the body portion thereof arranged radially in said cup and spaced from the radially extending portions of said cup, said flanges and said ring cooperating to form a radially outwardly disposed cup portion and an adjacent radially inwardly disposed second cup portion having an axial dimension less than that of said first mentioned cup portion, and a synthetic rubber composition packing moulded in the space between said ring and said radially extending flanges and in the openings of said ring, said packing having an enlarged portion disposed in said first mentioned cup portion and a neck-like portion disposed in said second mentioned cup portion and engaged by said second radially extending flange, a portion of said neck-like portion extending generally obliquely with respect to the axis of said cup and providing a sealing face engageable with said shaft, said neck-like portion terminating in an enlarged extremity disposed axially beyond the outer face of said second mentioned radially extending flange, the free edge of the latter being radially spaced from the radial outer face of the obliquely extending portion of said neck-like portion.

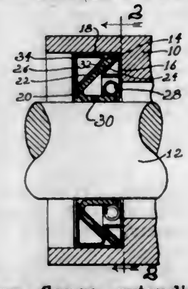
2,183,005
SEAL
Donald A. Boyd, Detroit, Mich.
Application October 29, 1937, Serial No. 171,721
2 Claims. (Cl. 288—3)



1. A self-contained seal comprising a stamped sheet metal cup having an outer peripheral flange extending axially and an integral radially extending flange terminating to form a central aperture in the bottom wall of said cup, said axially extending flange having the outer portion of its wall reduced in thickness to provide an outwardly facing shoulder on the inner periphery of said axially extending flange, a sealing member against said shoulder, a washer against said sealing member, a packing member against said washer, another washer against said packing, and a radially extending flange at the free edge of said axially extending flange against said last named washer.

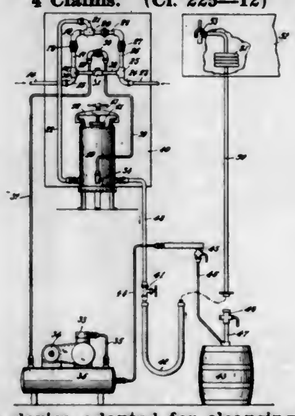
2,183,006
SEAL
Donald A. Boyd, Detroit, Mich.
Application October 29, 1937, Serial No. 171,724
Renewed August 23, 1939
2 Claims. (Cl. 288—1)

1. A self-contained seal for insertion in a housing surrounding a shaft comprising a centrally apertured sheet metal cup provided with an annular peripheral portion and an integral radially extending flange portion at one edge of the annular peripheral portion, a centrally apertured washer spaced axially from the radially extending flange of said cup in engagement with the free edge of said peripheral portion, a packing member in the space between said radially extending flange and said washer having an annular axially extending flange and an outward diag-



onally extending flange extending from the juncture of the radial flange and annular peripheral portion of said cup to the inner edge of said washer, metallic angular stampings at the opposite sides of the outward diagonally extending flange of said packing in pressure engagement with said washer and the radially extending flange of said cup respectively, and a coil spring around the outer periphery of the axially extending flange of said packing.

2,183,007
DEVICE ADAPTED FOR CLEANSING PIPES
Fred Buchhorn, New York, N. Y.
Application August 4, 1938, Serial No. 223,006
4 Claims. (Cl. 225—12)



1. In a device adapted for cleansing pipes, in combination, an air-pressure tank, a liquid container, an air pipe connecting said air-pressure tank with said liquid container and having a valve therein, a hot water pipe adapted to supply hot water and having a valve therein, a cold water pipe adapted to supply cold water and having a valve therein, a connecting pipe between said hot water pipe and said cold water pipe and having a T connection therein, a pipe connecting said T connection with said liquid container, a by-pass pipe connecting said hot water pipe and said cold water pipe, said by-pass pipe having an injector end within said hot water pipe and an exit pipe connected with said liquid container and having a valve therein.

2,183,008
ROOFING CLAMP
Charles J. Camp, Palo Alto, Calif.
Application April 5, 1939, Serial No. 266,083
1 Claim. (Cl. 108—33)

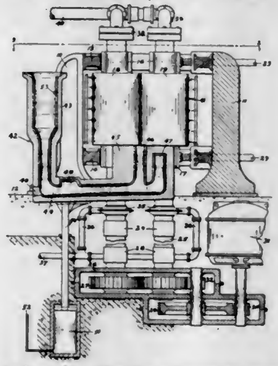


A roofing clamp formed of a blank, first bent at right angles, then bent at right angles a second time to form a channel, and then folded upon itself to provide a portion extending into said channel; shingle engaging members carried by said portion extending into said channel; and stops struck from said blank and extending below the plane thereof, and parallel with said channel.

2,183,009
LUBRICATING OIL
Joseph Cole, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 23, 1936, Serial No. 102,167
4 Claims. (Cl. 87—9)

1. A method of making a pour depressor comprising reacting chlorinated paraffin wax with stearic acid in the presence of anhydrous aluminum chloride, and removing the solid constituents from the liquid product of this reaction.

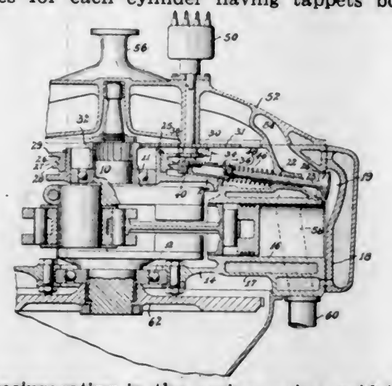
2,183,010
DIRECT ROLLING OF HOT METAL
Charles D. Coxe, Youngstown, Ohio
Application November 28, 1936, Serial No. 113,222
10 Claims. (Cl. 22—57.5)



1. Apparatus for the continuous production of metal shapes comprising a set of four parallel vertically extending extruding rolls arranged in pairs, the rolls of each pair being in contact with each other but spaced from the rolls of the other pair, means to rotate said rolls, the rolls of a pair rotating in opposite directions in relation to each other and in relation to the adjacent rolls of the other pair, and means to supply metal in the fluid state to the space between the rolls.

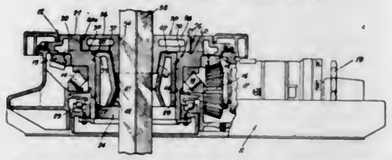
2,183,011
RADIAL ENGINE VALVE GEAR
Rudolph Daub, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application August 25, 1938, Serial No. 226,628
5 Claims. (Cl. 123—55)

1. In a radial cylinder engine comprising a crankshaft and pistons reciprocable in the cylinders connected to the shaft, a cam annulus concentric with the shaft to one side of the cylinders, said annulus having axially spaced cams thereon, one for intake and another for exhaust, valves for each cylinder having tappets borne



for reciprocating in the engine casing, said tappets lying axially in a common cone of revolution struck about the crankshaft axis, said cone intersecting said cam annulus between the exhaust and intake cams, and a camfollower eccentrically mounted on each tappet for engagement with one or the other of said cams.

2,183,012
ROTARY MACHINE
William D. Davidson, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application October 8, 1938, Serial No. 233,967
16 Claims. (Cl. 255—23)

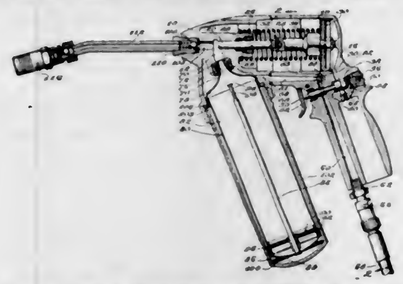


2. In a rotary machine of the class described, the combination of: a base; a table rotatably supported by said base, said table having a table opening having a plurality of upper pockets circularly arranged at the upper end of said table opening and a plurality of lower pockets circumferentially arranged at the upper end of said table opening, said lower pockets being located between said upper pockets; a table bushing in said table opening having a shouldered portion resting in said lower pockets; and a drive bushing in said table opening having a shouldered portion resting in said upper pockets.

2,183,013
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application January 11, 1937, Serial No. 119,914
11 Claims. (Cl. 221—47.3)

1. In a manually controlled lubricant compressor having a coupler for detachably connecting the compressor to a part to be lubricated, the combination of a lubricant magazine having a nozzle and a movable wall, sealing means in said

compressor for receiving said nozzle, means detachably enclosing said magazine in an air-tight chamber, means for admitting air under pressure to said chamber independently of the control of said compressor for driving said wall to discharge lubricant through said nozzle into said compressor, said nozzle being conformed to establish an air-tight sealed connection with said seal-



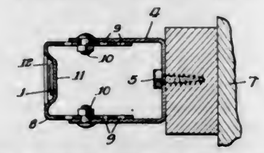
ing means when supplying lubricant to said compressor, and to establish a lubricant-tight sealed connection with said coupler when said compressor is being operated independently of said air-admitting means to return to said magazine and clear said compressor and coupler of lubricant therein which was supplied to the compressor and coupler by said magazine.

2,183,014
FERROUS ALLOY COMPOSITION
Joseph V. Emmons, Shaker Heights, Ohio, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio
No Drawing. Original application April 22, 1937, Serial No. 138,474. Divided and this application October 26, 1938, Serial No. 237,141
6 Claims. (Cl. 75—128)

1. A ferrous alloy comprising:

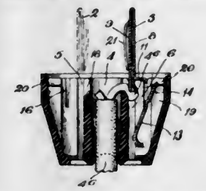
	Per cent
Carbon—from about 0.15 to about	1.60
Manganese—from an effective amount to about	4.00
Silicon—from an effective amount to about	3.00
Chromium—from about 3.25 to about	6.00
Tungsten—from about 8.00 to about	20.00
Nickel—from about 0.10 to about	10.00
Molybdenum—from 12 to 28 of the amount of tungsten present and the remainder being substantially all iron.	

2,183,015
TRUSS CONSTRUCTION
Neil M. Foulds, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application July 7, 1938, Serial No. 217,867
5 Claims. (Cl. 20—38)



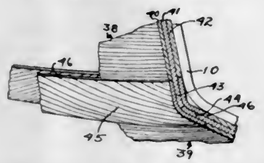
1. A truss having a saddle comprising means forming a base portion to be secured in a stationary position on a support, and a head portion having means for engaging the tension member of the truss, combined with means whereby the head portion is adjustable on the base portion to in effect increase the height of the truss from its base to the end of its head, thereby to determine the angle of the end portions of the tension member, said base portion comprising a U-shaped sheet metal member, and said head portion comprising another U-shaped sheet metal member, with the arms or sides of one member sliding within those of the other member, screw means for fixing the side portions in relative adjustment, and the head portion having a guide for the tension member.

2,183,016
ELECTRICAL CONNECTOR
Charles E. Gilbert, New York, N. Y.
Application May 19, 1937, Serial No. 143,400
4 Claims. (Cl. 173—334)



1. An electrical connector which includes a body of insulating material provided with a passage therethrough adapted to receive a contact element, each of the side walls of said passage being provided with a plurality of parallel grooves opposed to similar grooves in the other side wall, a contact element seated in said passage consisting of a strip of conducting material in the form of two legs joined at one end for making connection with another connector, said two legs being held together with a conductor between them by a pair of said opposed grooves in the side walls of said passage, one of said legs being provided with an offset extension engaging with another opposed pair of said grooves.

2,183,017
BOAT
Edmund G. Grant, Pasadena, Calif.
Original application April 24, 1936, Serial No. 76,214. Divided and this application February 14, 1939, Serial No. 256,291
3 Claims. (Cl. 9—6)



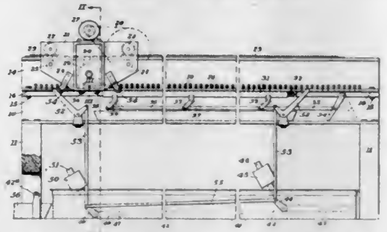
1. In a boat having ribs bent to form knuckles and planking secured to said ribs comprising a plurality of layers of veneering, a joint for said planking comprising abutting portions of the intermediate layer, the layers overlying and underlying said abutting edge portions having spaced edges, flashing strips located in the spaces between the edges of the overlying and underlying layers, and secured to the intermediate layer, the grain of the overlying and underlying layers being parallel to their length, the grain of the flashing strips being at a relatively small angle to the joint covered thereby, the grain of the overlying and underlying flashing strips being reversed with respect to each other.

2,183,018

APPARATUS FOR MAKING PERFORATED ANGLE BARS

Albert Henderson, Edgewood Borough, Pa., assignor to William P. Witherow, Pittsburgh, Pa.

Application March 2, 1937, Serial No. 128,627
5 Claims. (Cl. 153—2)



1. The combination with an elongated work-support, a carriage movable therealong and punching means spaced therealong adapted to be actuated by movement of said carriage thereover, of a plurality of forming rolls in alinement with said support, and gripping means on the carriage effective for seizing material extending between said rolls and, on movement of the carriage, pulling it therethrough to shape it and thence along said support into position for punching.

2,183,019

PROCESS FOR HYDROGENATING MONO NITRATED PHENOLS

Clyde O. Henke, Wilmington, Del., William A. Douglass, Penns Grove, and Roland G. Benner, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 8, 1936, Serial No. 78,660
15 Claims. (Cl. 260—575)

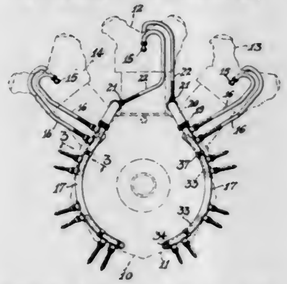
1. In the process of catalytically hydrogenating a mono-nitrated phenol in the liquid phase and in the presence of a nickel catalyst to a mono amino phenol at a temperature between about 50° C. and about 175° C. and at a pressure in excess of 100 lbs. per sq. in., the improvement which comprises adjusting the pH of the initial reactants to between about 6.0 and about 11.6.

2,183,020

IGNITION HARNESS

Henry C. Hill, Montclair, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application April 15, 1939, Serial No. 268,149
10 Claims. (Cl. 123—148)



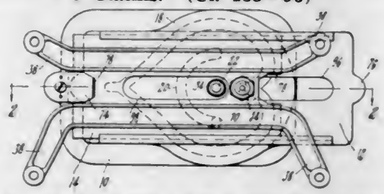
1. An ignition harness for a radial cylinder engine comprising identical segmental conduits in looking-glass symmetry secured to the engine case concentric therewith, the conduits having an identical plurality of radial openings and ferrules thereat, ignition wiring threaded from the engine cylinder through said ferrules to the adjacent ends of said conduits whence the wiring emanates, and identical conduit elbows through which the wires pass, swiveled upon the conduits to lead the wiring axially over the engine case.

2,183,021

REVERSIBLE SEAT BASE

Oiva E. Hill, Gardner, Mass., assignor to Haywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts

Application January 25, 1939, Serial No. 252,798
8 Claims. (Cl. 155—96)



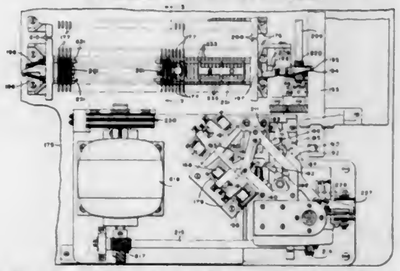
1. A reversible seat-base comprising a stationary pedestal having a horizontal top, an elongated plate bearing on said top and pivoted centrally to said pedestal for rotation thereon, said plate having a slot therein extending in the direction of its long axis, a seat carriage slidable on said plate in the direction of the long axis thereof and rotatable therewith, and means for guiding the movements of said carriage when said plate and carriage are rotated about said pivot, said means comprising a cam channel in the top of said pedestal and a cam follower mounted on said carriage to project through the slot in the plate and ride in said cam channel.

2,183,022

MARKET QUOTATION SELECTOR

Howard L. Krum, Kenilworth, and Albert H. Reiber, Evanston, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Original application January 9, 1936, Serial No. 58,340, now Patent No. 2,147,656, dated February 21, 1939. Divided and this application December 14, 1936, Serial No. 115,760
6 Claims. (Cl. 177—353)



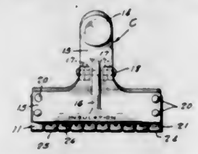
5. In a selector, a plurality of sets of selecting members having notch and lug attributes, a set of transfer levers for each set of selecting members, motion distributing means common to said selecting members and said transfer levers, signal responsive means, means operated in accordance with said signal responsive means for permutably setting said motion distributing means to move said transfer levers and the selecting members associated therewith, and a plurality of selectable devices for each set of selecting members, each device capable of being associated with and operated by any of said sets of selecting members upon each permuted setting of said selecting members.

2,183,023

PERMANENT WAVING APPARATUS

Victor J. Kubiak, Philadelphia, Pa., and Henry J. Kubiak, Madison, Wis.

Application February 4, 1937, Serial No. 124,047
4 Claims. (Cl. 219—24)



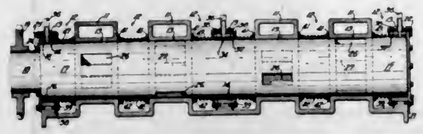
3. In permanent hair waving apparatus, a heating device of the wireless heat storage type that is adapted to be detachably clamped about a tuft of coiled hair comprising a pair of arms pivotally connected together, a pair of complemental heating members carried by corresponding ends of said arms, and spring means associated with the pivotal mounting for urging said heating members towards one another, each of said heating members consisting of a relatively large heat retaining mass that is adapted to be connected in a temporary electrical circuit, as by clipping on a stand having terminals prior to use of the member on the hair in the actual curling operation, each of said heating members having a pair of spaced faces, a slot extending inwardly from one face nearly to the other face, a second slot extending inwardly from the last mentioned face nearly to the first mentioned face, said slots having an overlapping relationship.

2,183,024

ROTARY VALVE FOR ENGINES

William W. Large, Oakland, Calif.

Application March 30, 1938, Serial No. 198,894
2 Claims. (Cl. 123—190)



1. In a rotary valve structure for engines, comprising a unitary engine head having thereon at least a pair of spaced valve housings and a bearing housing disposed intermediate of and spaced from said valve housings, said housings having alined bores therein, a rotor passing through and journaled in said bearing and valve housings, valving means in said rotor and positioned within said valve housings for controlling the flow of a fluid under pressure through the valve housings, means to supply oil under pressure to said bearing housing, and the spaces between the spaced valve and bearing housings being maintained at a constant pressure differing from the pressure of the fluid passing through said valve housings and the pressure of the oil in said bearing housing.

2,183,025

FLEXIBLE MASK WITH MOVABLE EYES

Samuel Marcus, Jersey City, N. J., assignor to Margon Corporation, Bayonne, N. J., a corporation of New Jersey

Application June 17, 1938, Serial No. 214,188
11 Claims. (Cl. 46—169)



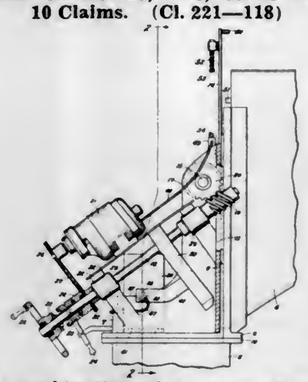
1. A flexible doll head or mask and an eye set combined therewith, said eye set including a supporting bridge, a pair of eyes movably mounted on said bridge, means for moving said eyes, and means for attaching said bridge to said mask without marring the exterior surface of the mask, said means including a patch cemented to the mask with the shank of a metallic fastener projecting inwardly therefrom, the head of said fastener being thin and flat located between the mask and the patch, said fastener interlocking with a mating part of the bridge.

2,183,026

FEED CONTROL

Erwin S. Mason, Norwood, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a corporation of Ohio

Application October 15, 1936, Serial No. 105,755
10 Claims. (Cl. 221—118)



1. The combination of a source of supply for plastic substance, including a chute having a feed opening near its lower end, a substance-delivering receiving bin to be kept charged with plastic, and located adjacent to said opening and having a substance releasing outlet, and an inlet for receiving substance released from the source of supply, a gate for controlling the release of substance from the source of supply and into the bin as the bin requires replenishing, and means operating according to variations in the quantity of substance in the bin for varying the gate opening to maintain a substantial quantity of substance in the receiving bin, said means comprising a gate actuating mechanism including an electrical motor and a photo-electric apparatus for reversing the direction of rotation of the motor, and the opening and closing movements of the gate.

2,183,027

PROCESS OF EXTRACTING VANADIUM FROM VANADIUM-BEARING SILICATES

Bruno Mayer, Crafton, Pa., assignor to Vanadium Corporation of America, Bridgeville, Pa., a corporation of Delaware

No Drawing. Application June 25, 1936, Serial No. 87,258. Renewed October 17, 1938

6 Claims. (Cl. 23—19)

1. The process of treating silicate furnace slags containing a minor amount of vanadium and a relatively larger amount of contaminant selected from the group consisting of iron, manganese and aluminum, which comprises comminuting the slag, roasting it in an oxidizing atmosphere at a temperature of about 1400° F. to 1800° F., and leaching the roasted slag with a mineral acid, the amount and concentration of the acid being such as to preferentially extract the vanadium, leaving such ordinarily easily soluble constituents as the oxides of iron, manganese, aluminum and silicon for the most part in the insoluble residue.

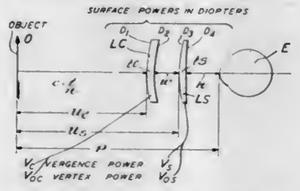
2,183,028

TRIAL LENS

Kenneth N. Ogle, Hanover, N. H., assignor to trustees of Dartmouth College, Hanover, N. H., a corporation of New Hampshire

Application March 7, 1936, Serial No. 67,665

5 Claims. (Cl. 88—20)



1. An optical system for testing dioptric defects at distant vision with two superimposed trial power lenses without introducing magnification effects due to the unequal spacing of said lenses from the eye to be tested, comprising means for holding before said eye two lens elements at a substantially fixed distance thereof for observation therethrough of a test object at substantially infinite distance, a back lens element having a certain power supported in said holding means next to the eye having in a certain meridian a reduced thickness c_s and a curvature D_3 of its front surface and hence producing shape magnification

$$S_{os}=\frac{1}{1-D_3c_3}$$

and a front lens element having a certain power and supported in said holding means at a distance w of its back surface from said front surface, having in said meridian a reduced thickness c_f and a curvature D_1 of its front surface and hence producing an excess shape magnification

$$\frac{1}{1-D_1c_f}$$

and having in said meridian a back surface with curvature D_2, said front lens therefore having a vertex power $V_{of}=S_{of}D_1+D_2$ and hence effecting together with said back lens a separation magnification

$$\frac{1}{1-V_{of}(w+S_{os}c_s)}$$

said curvatures being so shaped in relation to said thicknesses and said distances that said excess shape magnification becomes substantially a reciprocal of said separation magnification.

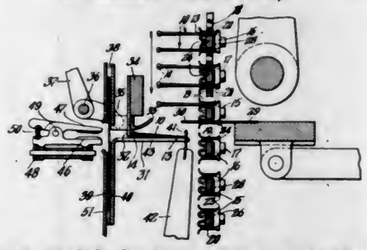
2,183,029

MATCH BOOK MACHINE

Samuel E. Rahe, Springfield Gardens, N. Y., assignor to Berst-Forster-Dixfield Co., New York, N. Y., a corporation of Maine

Application March 16, 1938, Serial No. 196,169

2 Claims. (Cl. 93—2)



1. In a match book machine, a holder for match cards comprising a body portion having a yieldable member at one face thereof, said yieldable member forming means at opposite edges of the body portion for gripping the match card at its edges and with the gripping means out of contact from the match card intermediate said edges, said gripping means being rearwardly open for receiving an extruding means for the match card at the part of the card which is gripped whereby the card may be extruded by a direct push at the part thereof which is gripped and thereby avoid breaking the card while being extruded from the holder.

2,183,030

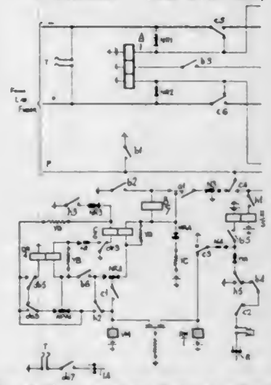
TELEPHONE SYSTEM

Idris Trevor Richards, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware

Application June 14, 1937, Serial No. 148,013

In Great Britain July 21, 1936

7 Claims. (Cl. 179—18)



1. In an automatic switch, a plurality of sets of wipers, means for causing a connection to be extended over one of said sets of wipers responsive to the receipt of impulses comprising a predetermined digit followed by impulses comprising any digit, and means for causing a connection to be extended over another of said sets of wipers responsive either to the receipt of impulses comprising a predetermined digit different from first said predetermined digit followed by impulses comprising any digit except first said predetermined digit, or to the receipt of impulses comprising any one of a plurality of predetermined digits different from first said predetermined digit and second said predetermined digit.

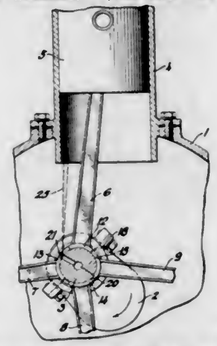
2,183,031

PISTON COOLING ARRANGEMENT

Edward V. Rippingille, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 8, 1939, Serial No. 272,339

2 Claims. (Cl. 123—176)



1. In an internal combustion engine, in combination, a cylinder, a piston, a connecting rod and a crankshaft with a crankpin, and means including a duct in the crankshaft, emerging at a point on that side of the periphery of the crankpin remote from the crankshaft axis, to carry lubricating oil to the crankpin bearing of the connecting rod; said duct being uncovered by the crankpin bearing of the connecting rod during an arc of a suitable number of degrees of crankshaft rotation immediately before the connecting rod reaches its top dead center position, whereby said piston will be cooled by lubricating oil emerging from said duct and freely projected to the underside of the piston head, by forces which are the resultant of the oil pressure and centrifugal and tangential forces during said arc of crankshaft rotation.

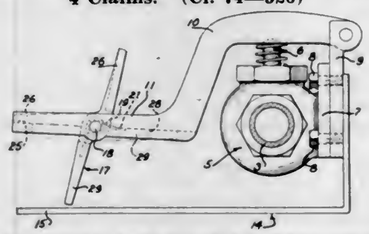
2,183,032

CONTROL MECHANISM

Walter R. Roycroft, Ozone Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 6, 1938, Serial No. 200,371

4 Claims. (Cl. 74—526)



1. A control mechanism for a valve comprising a treadle pivotally supported and positioned to move a plunger of a normally closed valve to open the valve, an element supported by a pivot carried by a substantially horizontal portion of the treadle having a stop portion to locate the element in normal position, an abutting member positioned to be engaged by the element to render the treadle ineffective to move the plunger when the element is in normal position, and means to force the element about its pivot beyond its vertical center and into its normal position in engagement with the stop portion to condition the treadle against accidental movement.

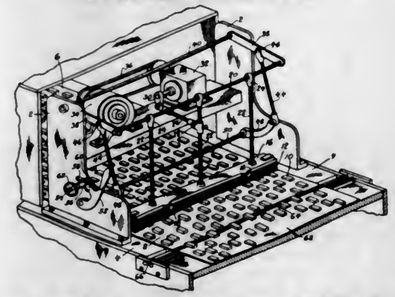
2,183,033

CANDY BRUSHING MACHINE

Oscar E. Segrin, Hamilton Square, N. J.

Application July 28, 1938, Serial No. 221,849

4 Claims. (Cl. 107—44)



1. A machine for imparting a high gloss to chocolate covered candies and the like comprising a support for the candies to be polished, a brush located above said support and movable into contact with said candies and mechanism for moving said brush back and forth in contact with candies on the support operable to raise the brush out of contact with the candies at each end of each stroke of the brush.

2,183,034

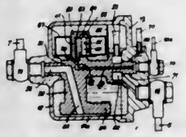
AIR SEPARATOR FOR FUEL PUMPING APPARATUS OF INTERNAL COMBUSTION ENGINES

Willy Voit, Stuttgart-Bad Cannstatt, and Johann Friedrich Janssen, Stuttgart, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

Application June 18, 1937, Serial No. 149,038

In Germany June 22, 1936

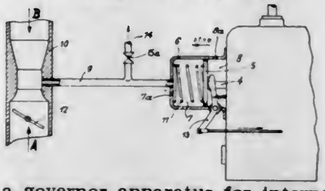
5 Claims. (Cl. 183—2.5)



1. An air separator for fuel-pumping apparatus for aircraft or other internal combustion engines that are variable in position comprising a casing provided with an inlet for fuel under pressure, an outlet for fuel under pressure and an outlet for air, means rotatably mounted in said casing and provided with radially-extending passages having inlets adjacent a peripheral wall and opening into the interior of said casing, one of said passages being connected to said fuel outlet and the other being connected to said air outlet, means carried by said rotatable means for maintaining the same in such a position that the inlet end of the fuel passage of said rotatable means is always in the

lower portion of said casing and the inlet end of the air passage of said rotatable means is always in the upper portion of said casing in any position of said casing about its axis, and float-controlled means carried by said rotatable means for automatically closing said air passage as soon as a predetermined fuel level has been reached in said casing.

2,183,035
GOVERNOR FOR INTERNAL COMBUSTION ENGINES
Johannes Weber, Stuttgart-Feuerbach, and Hans Heinrich, Stuttgart, Germany, assignors to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany
Application July 14, 1936, Serial No. 90,588
In Germany July 29, 1935
12 Claims. (Cl. 123—140)



1. In a governor apparatus for internal combustion engines operating with injection of liquid fuel, a control member, means including a connection for connecting said control member to, and making it subject to the vacuum in, the induction pipe of the engine, said control member being adapted to control the fuel injection amount, and valve means in said connection operable to prevent an abnormal pressure from being supplied to said control member in the direction for increasing the fuel injection amount.

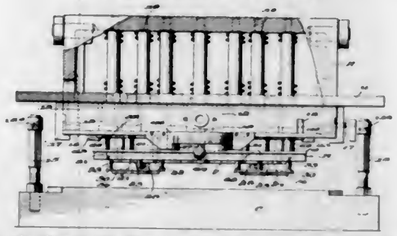
2,183,036
PROCESS OF FORMING AN ALDEHYDE AND AN OLEFIN MONOHALIDE
James Lawrence Amos, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 24, 1936, Serial No. 117,579
2 Claims. (Cl. 260—601)

1. The process for converting a 1,2-olefin-dihalide substantially only to the corresponding aldehyde and monohalo-olefin, which comprises mixing one part by weight of said dihalide with between about 1.3 and about 8.1 parts by weight of steam superheated to an extent sufficient to produce in the resulting gaseous mixture a temperature between about 300° and about 800° C., passing said gaseous mixture over a surface catalyst while at a temperature in said range, and separating the aldehyde and monohalo-olefin from the product thus formed.

2,183,037
GERMICIDAL DETERGENT
Milward Bayliss, Hurlock, Md., and John L. Wilson, St. Paul, and Erling J. Ordal, Minneapolis, Minn., assignors to Economics Laboratory Inc., St. Paul, Minn., a corporation of Delaware
No Drawing. Application May 10, 1935, Serial No. 20,766
3 Claims. (Cl. 167—14)

3. A germicidal detergent composition containing a major proportion of buffer salts and containing a relatively small proportion of a mixture of active sulfonated wetting agents, including a sulfonated alcohol wetting agent, said composition being adapted when dissolved in water in amounts ranging from ½ to 3% to form a germicidal detergent solution containing a small fraction of 1% of the wetting agents with a sufficient amount of the alkaline salts to give a pH value in excess of about 11.5.

2,183,038
DIE
Louis G. Freeman, Jr., Cincinnati, Ohio, assignor to The Louis G. Freeman Company, Cincinnati, Ohio, a corporation of Ohio
Application October 8, 1936, Serial No. 104,696
45 Claims. (Cl. 101—316)



1. A die unit for use in an ornamenting machine, comprising a base, constructed and arranged to mount and position the unit in an accurately aligned, operating position in the machine, a plurality of die sections carried by said base, one of said sections being fixedly secured to the base and another of said sections being mounted on said base for sliding movement relative thereto and to said fixed section, whereby said die unit may be adjusted to accommodate a variety of work.

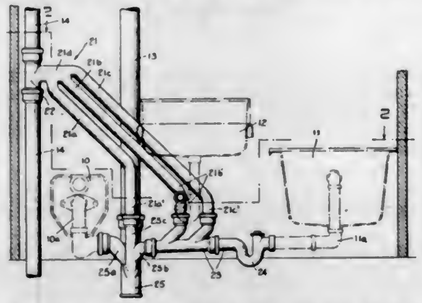
2,183,039
RECOVERING CELLULOSE ETHERS FROM COATED PAPER
Richard D. Freeman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 11, 1939, Serial No. 267,316
6 Claims. (Cl. 260—232)

1. In a method for the recovery of cellulose ethers from paper coated therewith, the steps which consist in digesting the coated paper with a dilute aqueous solution of an alkali, while agitating the mixture at a temperature at which the cellulose ether is insoluble in the dilute alkaline solution, until the paper is disintegrated into discrete fibers, and separating the cellulose ether from the slurry of cellulose fibers.

2,183,040
COMBINED SOIL, WASTE, AND VENT UNIT
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application August 19, 1937, Serial No. 159,861
Renewed May 2, 1939
6 Claims. (Cl. 4—211)

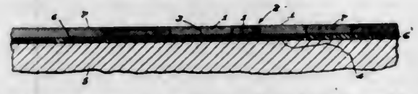
1. The combination with vertically extending horizontally spaced vent stack and soil stack, of a group of fixtures disposed above the material of a floor, waste piping connecting the discharges of said fixtures respectively with the soil stack, said fixtures and/or said waste piping including

trap formations for liquid sealing of said fixtures, and unitary multi-passage means interconnecting said waste piping with the vent stack and interconnecting the soil stack with the vent stack, certain of said multiple passages of said unitary multi-passage means being free from waste flow functions to provide passage for venting either in upward and/or downward direction



for all variant conditions of partial and full discharge of one or more of the fixtures served, and extending upwardly at an angle to the horizontal less than a right angle said certain passages communicating with said soil stack at substantially the same horizontal location and through effectively different zones, said multi-passage means and said waste piping means disposed wholly above said floor material.

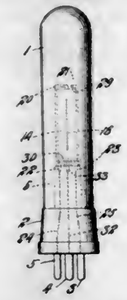
2,183,041
FLOOR COVERING INSERT
Edwin R. Guise, Norwood, Mass., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
Application October 29, 1937, Serial No. 171,725
5 Claims. (Cl. 41—34)



4. As a separate article of manufacture, an ornamental unit for insertion in floor covering, said unit comprising pattern elements of finished, flexible, hard-surfaced floor covering material such as linoleum and the like held together by a flexible backing sheet secured to the under surfaces of said elements externally thereof and substantially coextensive therewith, said backing sheet being sufficiently thin to permit laying said insert together with surrounding floor covering material of the same thickness as said pattern elements on a smooth surface with the upper surfaces of the pattern elements substantially level with the upper surface of said floor covering.

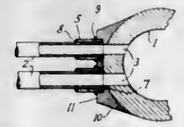
2,183,042
GLOW LAMP
Leonard A. Herzig, Brooklyn, N. Y., assignor, by mesne assignments, to Lon-Ga-Tone, Inc., New York County, N. Y., a corporation of New York
Application June 17, 1937, Serial No. 148,634
2 Claims. (Cl. 176—122)

1. A glow lamp comprising an elongated cathode of open V-shaped cross section, an anode plate mounted across the open face of said cathode, said anode plate having an elongated aperture registering with said cathode to pass light therefrom in the form of a long narrow beam, and a second anode extending into the space



between said anode plate and cathode and insulated therefrom.

2,183,043
PRESSURE VESSEL
Howard J. Kerr, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application May 25, 1937, Serial No. 144,755
3 Claims. (Cl. 285—106)

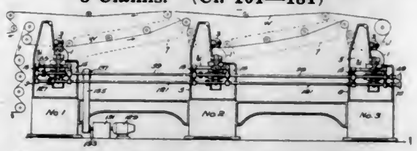


1. In combination, a thick walled pressure vessel such as a drum or header having a wall portion providing a tube seat; a tube adapted to be fitted to the vessel at the tube seat, at least one of said elements being formed of metal having such characteristics that it is locally so hardened by air cooling after welding thereto that subsequent heat treatment is necessary if restoration of its original characteristics is to be approached; and a body of metal of different chemical constituency and having dissimilar hardening characteristics welded to the element having said characteristics and adjacent the tube seat zone before the fitting of said elements together, said body of metal providing means for connecting the elements together by a separate weld effected after the fitting of said tube to the tube seat.

2,183,044
METHOD OF TREATING SILICON CARBIDE GRAINS
Abraham Albert Klein, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application February 19, 1938, Serial No. 191,469
7 Claims. (Cl. 51—278)

1. The method of treating silicon carbide grains and improving the strength thereof, comprising the steps of heating the grains in a substantially pure condition and holding the same at a temperature between 1000° C. and 1400° C. for a considerable time, while limiting the oxidation so as to produce substantially smooth, non-pitted, lustrous surfaces, and thereafter cooling the same slowly to anneal the grains and prevent detrimental strains being set up therein.

2,183,045
PRINTING PRESS
Leroy Q. Presby, Melrose, Mass., assignor to American Stay Company, East Boston, Mass., a corporation of Massachusetts
Application June 9, 1938, Serial No. 212,732
8 Claims. (Cl. 101—181)



1. A printing press having, in combination, a printing couple comprising a printing cylinder, means comprising a longitudinally slidable shaft coaxial with the cylinder for adjusting said cylinder lengthwise, a lever for sliding said shaft, means for swinging said lever about an axis transverse to said shaft comprising a screw-threaded rod member and cooperating nut member, means pivotally connecting one of said members to said lever, a part carried for swinging about an axis parallel to the axis of swinging of said lever, the other of said members being supported by said part for rotation about an axis transverse to the axis of swinging of the lever, and means for rotating the last mentioned member.

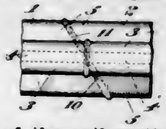
6. A printing press having, in combination, a plurality of spaced independent printing couples through which a web is adapted to pass successively, each of which couples comprises a printing cylinder, a common driving means for all of said printing cylinders, separate means at each of said couples for adjusting the printing cylinder thereof axially and rotatively relative to said driving means independently of the printing cylinders of each of the other couples, said separate means each comprising a rotary actuating member, and a separate means for operating each of said actuating members, which means extend from the several couples to a common station past which the web, being operated upon by said couples, is adapted to pass after it has been operated upon by all of said couples; and separate means, comprising closely adjacent manually operated members at said station, for operating said means which operate said actuating members.

2,183,046
PURIFICATION OF CHLORINATED ALIPHATIC HYDROCARBONS
John H. Reilly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 30, 1936, Serial No. 113,443
8 Claims. (Cl. 260—652)

1. The method for the purification of a chlorinated saturated aliphatic hydrocarbon containing unsaturated impurities, which comprises, adding sulphur chloride thereto and distilling from the resulting mixture the said chlorinated aliphatic hydrocarbon in a relatively pure condition.

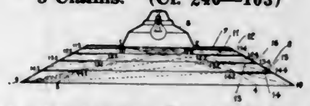
2,183,047
WELDED RAIL JOINT
Charles Schenck, Coopersburg, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application December 30, 1937, Serial No. 182,406
7 Claims. (Cl. 219—10)

1. The method of making a continuous railway rail, which consists in taking a plurality of rail sections each having a head and base flanges connected by a web, cutting the ends of the head of each rail section at right angles and the web and base flanges at an oblique angle to the lon-



gitudinal axis of the rail section, arranging the rail sections in alignment with their complementary ends adjacent to each other, and then flash welding the abutting cut ends of the rail sections together.

2,183,048
LAMP CONSTRUCTION COMPRISING A REFLECTOR
Frans Lambert Gerard Schneider, The Hague, Netherlands, assignor to Holland Electro N. V., Rotterdam, Netherlands, a corporation of the Netherlands
Application December 13, 1938, Serial No. 245,379
In the Netherlands January 28, 1937
5 Claims. (Cl. 240—103)



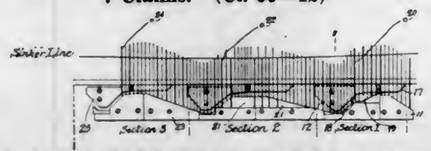
1. As a new article of manufacture, a flood light comprising, in combination, a reflector for projecting a diverging light beam of predetermined shape, said reflector also projecting undesired stray light, a plurality of substantially plane opaque screens having openings of geometrical configuration similar to the reflecting area of said reflector, said screens spacedly arranged from each other and said reflector and in front of and in alignment with the latter, the areas of the openings of said screens exceeding said reflecting area and increasing about proportional to the square of their distance from said reflector so as to closely embrace said projected diverging light beam and to intercept undesired stray light projected by said reflector.

2,183,049
SEAL
Frank B. Shofner, Jr., Stevenson, Ala.
Application July 6, 1938, Serial No. 217,765
2 Claims. (Cl. 220—61)



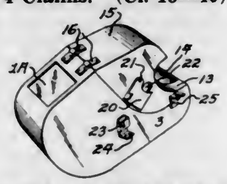
1. In a sealing organization, a container body member, a container cover member, each of said members fashioned with coacting outwardly extending flanges, and an elastic element of a substantially triangular configuration in cross section formed on the inner face with an appreciable deep annular groove receiving said flanges and extending about said members and engaging the latter adjacent said flanges whereby to maintain said members connected together in sealed condition, said groove of said element defining a relatively thick section on one side of and immediately adjacent to said groove and a relatively thin tapering section on the opposite side of and immediately adjacent to said groove whereby said thick section may be readily disposed over said thin section to release said flanges from said groove to permit separation of said members.

2,183,050
KNITTING MACHINE
David Siegel, Commack, N. Y.
Application May 16, 1939, Serial No. 273,997
7 Claims. (Cl. 66—12)



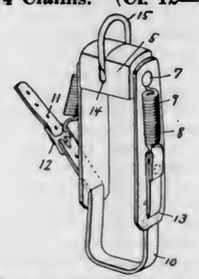
1. A method of knitting a pile fabric on a series of independently movable spring beard needles comprising as a step measuring a yarn about the beards of needles in the series and feeding the said yarn to other needles of the series below their beards.

2,183,051
GARMENT CLEANING DEVICE
Frank Stuprich, Detroit, Mich.
Application November 9, 1938, Serial No. 239,701
4 Claims. (Cl. 15—40)



3. In a garment cleaner, a power unit including a rotary shaft and a brush carried by said shaft for removing dirt from material, a housing defining a dirt-receiving chamber and having a front wall formed with a lower inlet opening in the path of dirt brushed from material, a hood for said brush hinged to said housing and having a front recess and an opening spaced from ends of the recess for exposing a portion of said brush in the recess, said hood having a side wall formed with a shaft receiving slot, and a gate pivoted to the said side wall of said hood for movement across the slot into position to block the slot and hold the hood closed with the shaft confined in the slot.

2,183,052
SHOE HEEL CLAMP
Otto H. Sundberg, Brockton, Mass.
Application April 11, 1939, Serial No. 267,285
4 Claims. (Cl. 12—125)



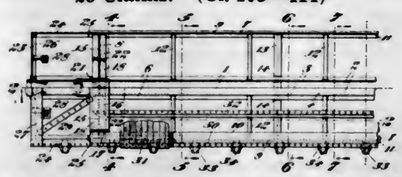
1. In a device of the character set forth, a block to engage with a tread face of a heel, coil springs connected to opposite ends of said block, a last encircling strap having one end connected to one of said coil springs and its opposite end adjustably connected to the other coil spring.

2,183,053
VITAMIN PREPARATION AND METHOD OF MAKING SAME
Harden F. Taylor, New York, N. Y., assignor to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 3, 1936, Serial No. 113,988
18 Claims. (Cl. 99—11)

1. A vitamin preparation comprising substantially dry beadlets of a colloidal substance substantially impervious to oxygen, each beadlet being from 0.01 to 1.0 mm. in diameter and containing discrete particles of vitamin-bearing liquid dispersed therein and completely imprisoned and surrounded thereby, whereby no free vitamin-bearing liquid is on the exterior surfaces of said beadlets.

5. A method of making a vitamin preparation which comprises producing a warm poly-phase dispersion in which droplets of a colloidal matrix containing vitamin-bearing liquid dispersed therein constitute the dispersed phase and a liquid substantially immiscible with the colloidal matrix constitutes the continuous phase, spreading the poly-phase dispersion into a sheet or film, chilling said sheet or film until the dispersed droplets are set sufficiently to permit handling, breaking the film or sheet to separate the droplets from each other, agitating the mass, subjecting the mass to a drying medium until the droplets have dried to the desired degree, and separating the dried droplets from the immiscible liquid.

2,183,054
CAR UNDERFRAME STRUCTURE
John E. Tesseyman and Louis G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 14, 1937, Serial No. 153,484
25 Claims. (Cl. 105—414)

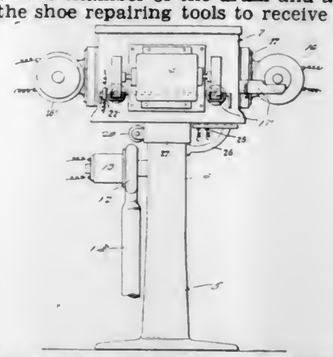


1. A car underframe comprising center and side sills, cross-ties, body bolsters and end sills connecting the center and side sills, said side sills formed of plate sections each having a vertical web with flat plate members welded off center at an intermediate point to the top and bottom edges of the web and extending laterally therefrom on each side of said web plate and cross-bearers extending under the center sill at intermediate points and welded to said center sill having their opposite ends welded to the webs and bottom flange plates of the side sills.

2,183,055
SHOE REPAIR MACHINE
Earl L. Vanderpool, Poplar Bluff, Mo., assignor of one-fourth to Samuel H. Alexander, Poplar Bluff, Mo., and one-fourth to David X. Greenberg, Kirkwood, Mo.
Application October 1, 1938, Serial No. 232,857
1 Claim. (Cl. 51—166)

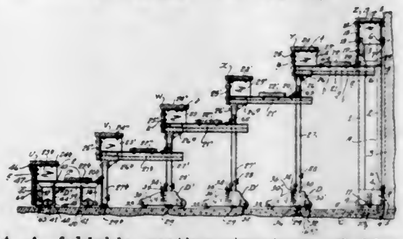
A shoe repairing machine comprising a pedestal, a drum journalled on said pedestal having a chamber, electric motors mounted on said drum

and having connected thereto shoe repairing tools, switches for said motors, suction pipes connected with the chamber of the drum and associated with the shoe repairing tools to receive cuttings,



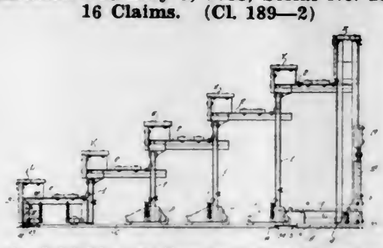
valves in said suction pipes, operating means for said valves and switches whereby on the opening of said valves said motors will be set in operation, and a suction means connected to the chamber of the drum.

2,183,056
SEATING STRUCTURE
Frank Albach and George R. Chervenka, St. Louis, Mo., assignors to Fred Medart Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 3, 1937, Serial No. 146,163
37 Claims. (Cl. 189—1)



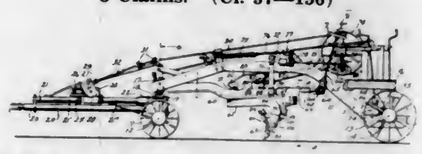
34. A foldable seating-structure of bleacher type comprising, in combination, a plurality of upstanding frames each including forwardly presented seat-supporting members, said frames being shiftably interconnected for folding and being relatively sized and arranged for nested relation when folded.

2,183,057
SEATING STRUCTURE
Frank Albach and George R. Chervenka, St. Louis, Mo., assignors to Fred Medart Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application February 3, 1938, Serial No. 188,444
16 Claims. (Cl. 189—2)



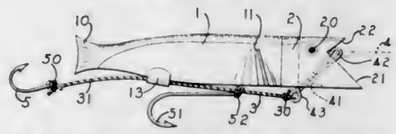
1. A foldable seating-structure including a main seat-providing frame and a plurality of second seat-providing frames, the latter having connection with the main frame and being relatively sized and connected one with the other for folding in nested relation one within the other and within the main frame, in combination with means comprising a truck permanently fixed to the main frame for supporting the structure for rollable movement as a whole when said frames are in nested relation.

2,183,058
GRADER
Joseph Antos, Aurora, Ill., assignor to Western-Austin Company, Aurora, Ill., a corporation
Application February 7, 1934, Serial No. 710,099
Renewed May 7, 1937
8 Claims. (Cl. 37—156)



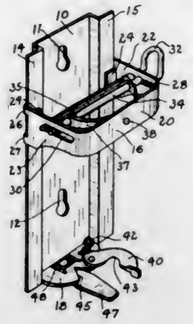
4. In a road grader comprising, a main frame supported for movement over the road, a circle rotatably supported by said frame for rotation in a substantially horizontal plane, moldboard supporting means and a moldboard mounted thereon for endwise displacement supported by said circle, a rotatable gear mounted on said moldboard supporting means engaging a rack bar mounted on said moldboard, an operator's station on said frame, control means at the operator's station interconnected with said rotatable gear to rotate the rotatable gear and produce endwise displacement of the moldboard during the movement of the grader.

2,183,059
FISH LURE
Sydney E. Bacon, Seattle, Wash.
Application April 18, 1938, Serial No. 202,706
8 Claims. (Cl. 43—46)



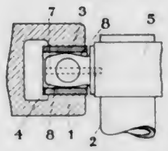
1. A fish lure comprising a strip of sheet rubber or the like, of appreciable thickness and consequent inherent stiffness, yet flexible, a tension member extending, outside of the general outline of the strip, from a point adjacent its head end to a point intermediate its two ends, but well in advance of its tail end, and fixed to the strip at such points, its length between such points being less than the length of the adjacent edge of the strip beween the same points, whereby to hold the strip bowed to one side of the tension member, with its tail end held by the inherent stiffness of the strip to the opposite side of he tension member, to serve by water reaction, as the lure is drawn through the water, as a lever to repeatedly snap the bowed portion across to the opposite side of the tension member, and the tail itself simultaneously to the other side, opposite the new position of the bowed portion, simulating the wiggling of a fish's tail in swimming, and a fish hook separate from but attached to said tension member.

2,183,060
DISPENSER FOR COLLAPSIBLE TUBES
Joseph H. Blake, Seattle, Wash.
Application November 7, 1938, Serial No. 239,361
3 Claims. (Cl. 221—60)



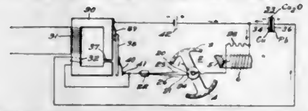
1. The combination with an upright support and means thereon for supporting and winding the body of a collapsible tube, of a notched-shelf rigid with the support and forming a rigid jaw for the nozzle of the tube, a jaw pivoted on the upper face of the shelf and having a recess coacting with the notched-shelf to clamp the nozzle, a spring mounted on the upper face of the rigid jaw, an off-set lug on the pivoted jaw engaged by the free end of the spring to provide a snap action to the jaw in swinging to and from closed position, and a spring actuated closure pivoted to the shelf at the rear of the rigid jaw and adapted to be swung downwardly by pressure from a brush.

2,183,061
CAM FOLLOWER
Otto Bochmann, Remscheid-Lennep, Germany, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmen, Germany
Application September 19, 1936, Serial No. 101,648
In Germany November 28, 1935
4 Claims. (Cl. 74—55)



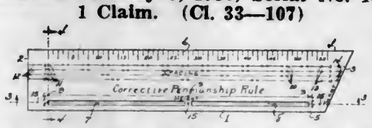
1. A thread guide drive, especially for centrifugal spinning machines for artificial silk in which the drive transmission to raise and lower the loading frames is effected by cam discs which are oscillatable to vary the stroke, comprising in combination with the loading frame and the cam disc and in which said cam disc has a continuous groove, a holder carrying said frame, a guide element engaging in said groove having a line contact with the wall of the groove, and a hinge connection between said guide element and said holder constructed and arranged to produce an oscillating movement in one direction and to be guided in its movements in two directions with said guide element maintaining its original contact with the walls of the cam groove irrespective of the tiltable adjustment of the cam disc.

2,183,062
ALTERNATING-CURRENT DIRECT-CURRENT CLOCK
Frank Conrad, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 27, 1932, Serial No. 625,147
13 Claims. (Cl. 58—26)



1. An electric timing mechanism adapted to be synchronously operated on a commercial alternating-current timed-frequency power system, comprising a balance wheel having a plurality of spaced magnetizable pole pieces, a balance-wheel shaft therefor mounted for oscillatory movement in both directions from a mid-position of the balance wheel, a balance-wheel spring therefor, said balance-wheel spring being of a type which causes the oscillating balance-wheel system to materially increase its rate of oscillation when its amplitude increases, contact make-and-break means operated by said balance-wheel system for periodically making a contact for a brief period of time, relative to the total oscillating period, beginning each period of contact slightly before the balance wheel reaches its aforesaid mid-position in either direction of travel, an electromagnetic means having a stationary pole member which is disposed substantially symmetrically with respect to two of said balance-wheel pole pieces when the balance wheel is in its aforesaid mid-position, but which is approached by the one or the other of said two balance-wheel pole pieces when the balance wheel moves from its aforesaid mid-position, according to the direction of movement, and a pair of conductors and rectifier means serially associated in operative relation thereto for supplying a series of discontinuous half-waves of a predetermined potential to said contact make-and-break means and to said electromagnetic means.

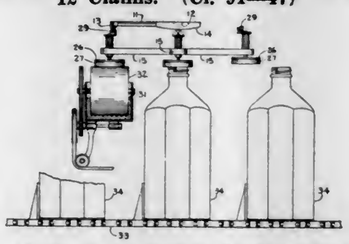
2,183,063
PENMANSHIP CORRECTING AND ANALYZING RULER
Leonard Elias Dorsey, Coatesville, Pa.
Application January 3, 1938, Serial No. 183,179
1 Claim. (Cl. 33—107)



A ruler for use in drawing lines for teaching and analyzing penmanship, comprising a flat elongated strip like body having straight upper and lower edges and a pair of slots spaced apart in longitudinal alignment, said slots being disposed parallel with and adjacent to the straight lower edge for use with the latter in drawing horizontal guide lines, said body having openings disposed adjacent to each of the ends of the slots for receiving the point of a writing implement to make dots to act as guides for drawing horizontal lines for cooperation with the first lines, graduations along the straight upper edge of the body for use in making marks by said writing implement to act as guides for drawing slanting lines with respect to the horizontal lines, said body having an inclined edge at one end thereof to cooperate with the marks for use in drawing the

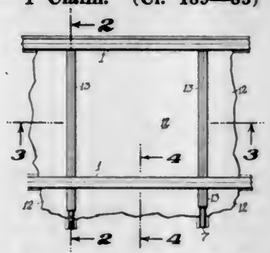
slanting lines, said body having openings therein between the straight upper edge thereof and the slots to receive the point of the writing implement to make dots to also cooperate with the inclined edge for use in drawing slanting lines with respect to the horizontal lines, the latter openings being arranged in parallel rows extending longitudinally of the body, the openings between the end openings of the rows being arranged in pairs, the pairs of openings of each row being disposed an equal distance apart, and the distance between the pairs of openings being different in each row.

2,183,064
APPLYING FILMS
William Earl, Brooklyn, and George W. Fleischman, Astoria, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application November 23, 1937, Serial No. 176,010
12 Claims. (Cl. 91—47)



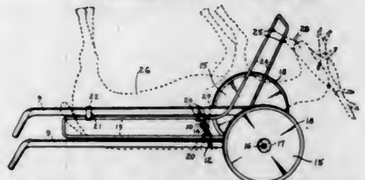
1. Apparatus for applying films of a substance to the lips of containers comprising means for moving containers into operative position, applicators adapted alternately to receive a uniform charge of the film substance and to carry it into said operative position synchronously with the containers, and means for actuating the applicators while in said operative position to apply the charge to a container lip substantially without wiping contact.

2,183,065
ORNAMENTAL PANEL SUPPORTING MOLDING
Peter J. Feykert, San Francisco, Calif.
Application March 11, 1938, Serial No. 195,297
1 Claim. (Cl. 189—85)



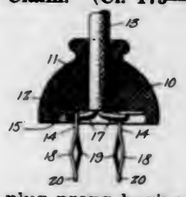
A wall structure comprising a rectangular panel, longitudinal rails having grooves for embracing two opposite edges of the panel, transverse hollow rails extending between the longitudinal rails and having tongues for engaging the grooves of the latter, said transverse rails lying alongside the other two edges of the panel, facing members frictionally engaging the transverse rails and bearing against said latter edges of the panel, and tie rods housed within the transverse rails and projecting through the longitudinal rails for fastening the structure together.

2,183,066
TWO-WHEEL HAND CART
Arthur B. Fields, Portland, Oreg.
Application February 9, 1938. Serial No. 189,514
3 Claims. (Cl. 280—53)



1. A truck having handle bars, an axle pivotally connecting said handle bars, a wheel affixed to each handle bar adjacent one end thereof and in spaced apart relation to said axle, a load carrying frame secured to said axle and to one of said handle bars, said frame including a removable U shaped member for securing said load, each said handle bar being capable of individual manipulation for maintaining the load level under varying road conditions.

2,183,067
ELECTRIC PLUG
Vern Gardner, Salt Lake City, Utah, assignor of one-fourth to Harold E. Wallace, Salt Lake City, Utah
Application July 22, 1938, Serial No. 220,750
1 Claim. (Cl. 173—361)

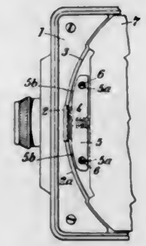


An electric plug prong having an arcuate attaching base extending in a plane at a right angle to the prong, the prong being provided with a pair of longitudinal slits and the material bounded by the slits being struck out to provide a pair of V-shaped outer sections and a single intermediate V-shaped section with the apices of the outer sections turned opposite to the apex of the intermediate section, said V-shaped sections being spaced from the free end of the prong to provide a tip in an alignment with the prong, said V-shaped sections being adapted to engage the contact of a conventional electric socket at three points located on opposite sides of the longitudinal median line of the prong, the tip of the prong permitting the prong to be easily inserted in the socket contact.

2,183,068
MOTION PICTURE CAMERA
Leo Goldhammer, Munich, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
Application April 7, 1938, Serial No. 200,713
In Germany April 8, 1937
5 Claims. (Cl. 88—17)

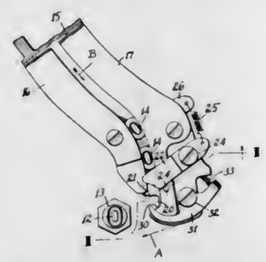
1. A photographic camera having a casing and an objective, a film channel in said casing defining a path for the movement of film past said objective, a pressure plate in said casing adapted to engage a film in said path, a spring normally urging said plate out of film engaging position,

and means on said plate engageable by a film magazine when placed in said casing to move



said plate into film engaging position against the tension of said spring.

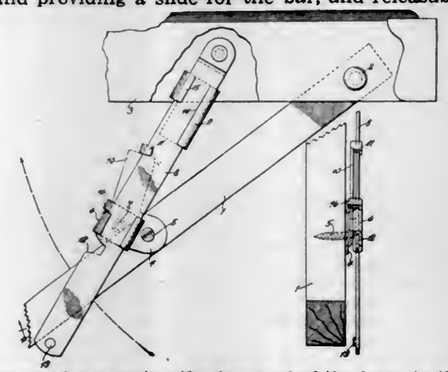
2,183,069
EYELETING MACHINE
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 30, 1939, Serial No. 282,211
2 Claims. (Cl. 218—15)



1. An eyeleting machine comprising cooperative eyelet-setting tools of oblong shape one of which includes a spindle of corresponding shape, a raceway the delivery end of which is movable crosswise of the major diameter of said spindle, said raceway having a base plate to support eyelets and cooperative eyelet-guiding strips spaced according to the minor diameter of oblong barrels and said base plate having a notch to receive said spindle, one of said strips terminating at the nigh side of said notch but the other extending past the closed end of the notch, two opposed spring-biased members carried by the raceway one of which is arranged to guide the eyelets across said notch to the other member by engagement with their barrels, and means by which said delivery end is reciprocated to present and discharge the eyelets with movements crosswise of their major diameters.

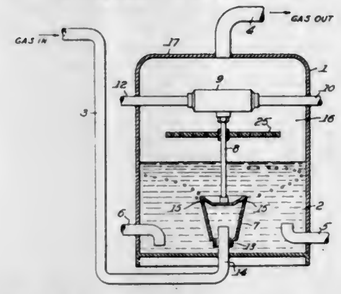
2,183,070
LEG BRACE FOR FOLDING TABLES
William A. Griesedieck, St. Louis, Mo.
Application June 28, 1939, Serial No. 281,641
6 Claims. (Cl. 311—98)

3. In a table having a top and a leg pivoted to the top, a brace for the leg comprising a bar with one end pivoted to the top, a bell crank lever having one arm pivoted to the leg and a free arm adapted to lie adjacent the bar when the leg is extended, a collar pivoted at an elbow of the lever and providing a slide for the bar, and releasable



means for securing the free end of the lever to the bar when the leg is extended.

2,183,071
MEANS FOR CREATING A DISPERSION OF ONE FLUID IN ANOTHER FLUID
Robert G. Guthrie and Oscar J. Wilbor, Chicago, Ill., assignors to Peoples Gas By-Products Corporation, Chicago, Ill., a corporation of Illinois
Application December 3, 1937, Serial No. 177,904
5 Claims. (Cl. 261—93)



1. Gas and liquid contact apparatus comprising a closed contact chamber having a gas space at its upper end and a liquid space in its lower end, means for dispersing a gaseous fluid in a liquid, comprising a rotary spray head for discharging the gas by centrifugal force, a vertical shaft for said head, said chamber having inlet and outlet means for the gas, and rotary means for disentraining by centrifugal force liquid spray and foam which enters the gas space.

2,183,072
PROCESS FOR SEPARATING KETONES OF THE STEROL SERIES
Fritz Hanusch, Heidelberg, Germany, assignor to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldorf, Germany, a corporation of Germany
No Drawing. Application December 23, 1937, Serial No. 181,372. In Germany December 28, 1936
18 Claims. (Cl. 260—397)

1. Process for the separation of compounds of the sterol series with not more than two double bonds in the same nucleus, which compounds carry a keto group and in addition thereto at

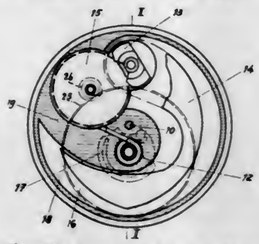
least one other group containing oxygen, from compounds of this series, which as regards their substituents do not comply with these conditions, comprising extracting a mixture which contains both classes of compounds by means of an acid reacting compound not esterifying the said sterol derivatives under the prevailing conditions with the exception of salts of alkali metals and alkaline earth metals.

2,183,073

SAFETY DEVICE FOR PROJECTILE FUSES

Guido Hönger, Geneva, Switzerland, assignor to Méfina S. A., Binningen, Switzerland, a corporation of Switzerland

Application June 28, 1938, Serial No. 216,403
In Switzerland June 30, 1937
9 Claims. (Cl. 102—36)



1. In a projectile fuse having a path for access to a bursting charge, a clockwork actuated safety device comprising a closure member interposed in and closing said path for preventing access to said bursting charge, said closure member having an opening therein, means for displacing said closure member through a position wherein the opening will register with said path to permit access through said path to the bursting charge to a position wherein the path will again be closed, and clockwork mechanism for timing the displacement of said closure member.

2,183,074

KNIFE HOLDER

Horner H. Hopkins, Des Moines, Iowa, assignor to Cobbs, Hamilton Company, Des Moines, Iowa

Application March 6, 1939, Serial No. 259,965
1 Claim. (Cl. 211—87)



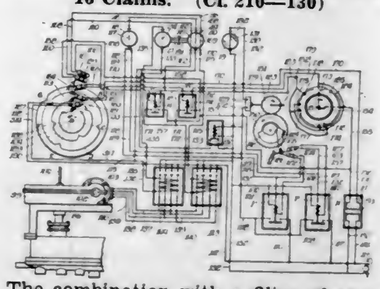
In a device of the class described, consisting of three pieces, a block portion having a plurality of vertical slot passageways, communicating with its front side, an elongated flat back member secured to the back of said block member and extending a substantial distance above said block member, and an elongated portion being a duplicate of said back portion secured to the front side of said block portion having its upper portion terminating a substantial distance below the top surface of said back portion, and its lower portion terminating a substantial distance below the bottom of said back portion.

2,183,075

LIQUID CONTROL

Walter J. Hughes, Chicago, Ill., assignor, by mesne assignments, to Infilco Inc., a corporation of Delaware

Application November 29, 1935, Serial No. 52,054
16 Claims. (Cl. 210—130)



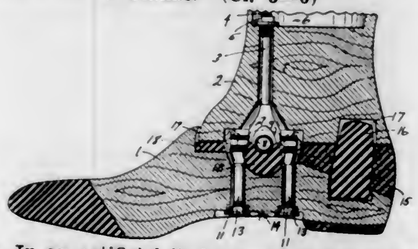
1. The combination with a filter of an operation control including a plurality of valves, a motor operatively joined to said valves, and a variable period timer therefor, said control being adapted to control said motor for operating said filter through a series of functions in sequence by movement of said valves, said timer including a plurality of members adjustable to fix the period for each of said functions, and means for starting said timer to energize the motor to operate said valves to initiate the said series of functions.

2,183,076

ARTIFICIAL ANKLE JOINT

William F. Kaiser, Youngstown, Ohio, assignor to Joseph Spievak, Youngstown, Ohio

Application September 16, 1938, Serial No. 230,263
3 Claims. (Cl. 3—6)



1. In an artificial limb comprising a foot and a leg portion; an ankle joint connecting the said foot and leg portions together, the said ankle joint comprising a vertical bolt, the upper end of which is adapted to be attached to the said leg portion, and having a pair of arms formed on the lower end thereof, openings formed in the said arms, a tubular bearing positioned in the said openings, a bearing block positioned on the said tubular bearing between the said arms, secondary tubular bearings formed at the sides of the said bearing block, bolts with openings formed in their upper ends positioned on the said secondary tubular bearings, the said bolts adapted to be attached to the said foot portion, a rubber cushion crescent shaped in cross section, transversely positioned between the said swing bolt assembly, its tubular bearing and the said foot, so that shock from the ground contact will not reach the wearer and will provide a controlled lateral action in the said ankle joint.

2,183,077

SHEET FEEDING APPARATUS

Edward R. Kast, Pearl River, N. Y., assignor to Dexter Folder Company, Pearl River, N. Y., a corporation of New York

Application November 30, 1938, Serial No. 243,070
7 Claims. (Cl. 271—31)



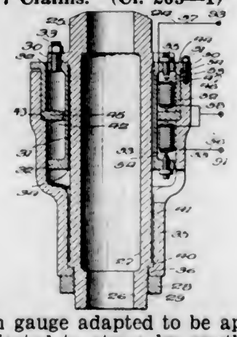
1. In a sheet feeder having means for separating sheets successively from the top and rear of a supply thereof and means for directing air under pressure from the rear of each separated sheet forwardly thereunder, means for forwarding the separated sheets in lapped relation and comprising flexible rubber vacuum applying cups operable on rear portions of the separated sheets and having unbroken outer rims engageable therewith, and concentric series of arcuate shaped spaced staggered ribs and interconnecting channels therebetween formed in said cups for preventing said portions of the sheets from being drawn in the cups by vacuum sufficiently to reduce the sheet gripping effect of the cups and thereby enabling increased application of vacuum on the sheets by the cups through said channels to counteract resistance to forwarding of the sheets in lapped relation from the rear thereof and to counteract the displacement effect of said air on the sheets when they are engaged by said cups.

2,183,078

STRAIN GAUGE

Emory N. Kemler, Glenshaw, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application May 25, 1936, Serial No. 81,788
7 Claims. (Cl. 265—1)



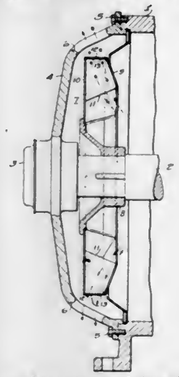
1. A strain gauge adapted to be applied to an element subjected to stress by another element and to give an accurate electrical indication of strain, comprising an elongated symmetrical standard section of known elastic properties, the section being capable of supporting stress but deforming under stress, and adapted to be interposed between the element subjected to stress and the element applying stress to said element, the axis of symmetry of the standard section substantially coinciding with the direction of applied stress, a housing fixed to the standard section near one end thereof and spaced closely therefrom near the other end, to define a narrow clearance space, a plurality of pairs of axially alined stacks of resistance elements, means for mounting the opposite ends of each pair of stacks fixedly to the end of the standard section opposite from that to which the housing is attached, in symmetrically disposed relation with respect to the standard section, means near the unsupported end of the housing for engaging the proximate ends of each pair, so that upon axial change of length of the standard section one stack in each pair is compressed and the other is expanded, and means for electrically interconnecting the strain responsive elements, so that strains in the direction of the axis of the standard section are indicated accurately while bending strains are nullified.

2,183,079

VENTILATING FAN

Hermann Kropp, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 11, 1938, Serial No. 189,981
In Germany February 12, 1937
3 Claims. (Cl. 230—127)



1. A ventilating fan comprising inner and outer shroud rings, a plurality of generally radial blades secured between the rings, and a cylindrical rim member encircling the outer periphery of the fan in contact with the ends of the blades, said rim member having perforations therein spaced closer to each other than the spacing between the outer ends of the blades and being disposed with their edges non-parallel to the outer peripheral edges of the blades, whereby the flow of air discharged from the fan is broken up and made turbulent.

2,183,080

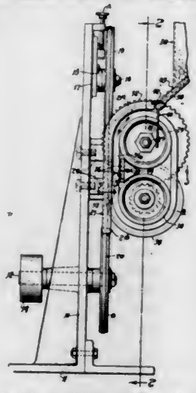
MACHINE FOR OPERATING UPON NUTS

Alfred J. Lloyd and Cyrus W. Lloyd, Orillia, Ontario, Canada

Application February 10, 1937, Serial No. 125,020
15 Claims. (Cl. 146—10)

1. A machine of the kind described embodying therein a cutting element, a shell part separating means, and means providing opposed surfaces between which a nut is engaged, one of said surfaces being movable and formed by one lap of an

endless belt and cooperating with said other surface to roll a nut while in engagement with and

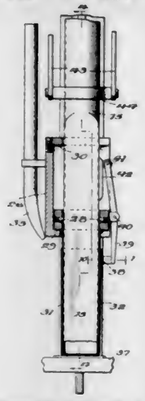


relative to said cutting element and past said shell part separating means.

2,183,081
BAG-OPENING MACHINE

Arthur McCallum, New Brunswick, N. J., assignor to Flako Products Corporation, New Brunswick, N. J., a corporation of New Jersey

Application July 11, 1938, Serial No. 218,666
16 Claims. (Cl. 226—129)



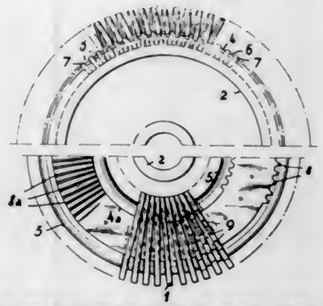
1. In a bag-opening machine, a reciprocatory tubular member movable into the mouth of the bag, said member being of a cross-section substantially corresponding to that of the bag when the latter is fully opened, a pair of laterally movable spreader elements slidably supported on and positioned in advance of the tubular member adapted to enter the bag in advance of said tubular member, said elements normally converging toward each other in the direction of their leading edge, means yieldingly holding said spreader elements and tubular member against relative longitudinal movement, and means restraining movement of said spreader elements during portions of the movements of said member.

2,183,082
GRINDING WHEEL FOR SOFT MATERIALS

Anton Montagné, Dusseldorf-Grafenberg, Germany

Application March 7, 1938, Serial No. 194,333
In Germany October 15, 1935
6 Claims. (Cl. 29—78)

1. A grinding wheel for soft materials, comprising in combination a carrier disc, a grinding body formed of an endless coil of helically wound wire of such cross-sectional shape that the individual windings of the coil have cutting edges on both sides and consequently cut in both directions of rotation and the cross-sectional shape of the

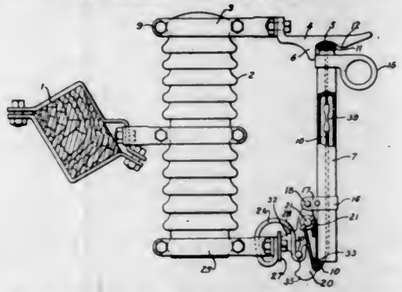


helically wound wire coil is such that at least two cutting sections are formed on each side of each winding, said sections adapted to be alternately brought into operative position by turning said coil about its central axis, and a clamping ring securing said coil on said body.

2,183,083
DROP-OUT OPEN CUT-OUT FUSE

Herbert L. Rawlins, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 13, 1935, Serial No. 49,515
18 Claims. (Cl. 200—114)



1. In a circuit interrupter, a fusible element, a member carrying said element, retaining means having a recess cooperating with said member to retain it in circuit-closing position, a spring biasing said member to circuit-opening position at least following the disengagement of said member from said retaining means, and means whereby said spring acts in conjunction with said element to cause said member to cooperate with said recess.

2,183,084
METHOD OF MAKING ACTIVATED GELATIN

Stanton Reynolds, Greenford, England, assignor, by mesne assignments, to Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine

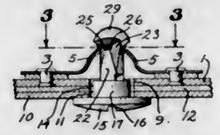
No Drawing. Application February 12, 1938, Serial No. 190,229. In Great Britain February 24, 1937
16 Claims. (Cl. 99—11)

1. A method of making activated gelatin preparations in finely divided form which comprises producing a polyphase dispersion in which liquid droplets of gelatin containing a vitamin A liquid dispersed therein constitute the dispersed phase and a vegetable oil constitutes the continuous phase, causing the droplets to solidify, removing the oil by treatment with an oil solvent, and removing at least a part of the water by treatment with a water-extracting agent.

2,183,085
SNAP FASTENER

Harry W. Richardson, San Francisco, Calif., assignor to Russell R. Vought, Redwood City, Calif.

Application October 25, 1938, Serial No. 236,876
5 Claims. (Cl. 85—5)

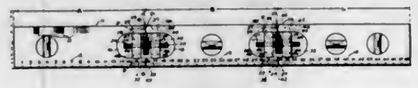


1. A separable fastener for fastening a removable member to a foundation member, said members having registering apertures therein comprising a spring member mounted on one of said members and having parallel spaced edges positioned above and on each side of the axis of said apertures, and a stud having a head of greater diameter than said aperture, and a bulbous end thereon of greater diameter than the spacing between said edges, whereby said edges will be forced apart against the urge of said spring when said stud is passed through said apertures and said bulbous end forced against said edges, said stud having a portion intermediate said bulbous end and said head, said intermediate portion having four surfaces positioned to give substantially a diamond shaped cross-section to said intermediate portion with the acute angles of said diamond forming a continuation of the curve of said bulbous end with the greatest diameter of said intermediate portion, and terminal surfaces for guiding said edges by rotation of said stud onto two of said intermediate portion surfaces.

2,183,086
JOINT FOR LEVELS AND SQUARES

David E. Semon, Jacksonville, Fla.

Application August 11, 1937, Serial No. 158,613
1 Claim. (Cl. 287—14)



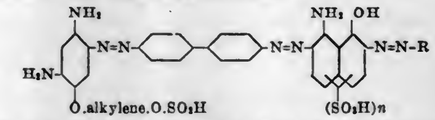
In a level comprising separable sections adapted to be disposed in alignment or angular relation to each other, means for hingedly connecting said sections together comprising pins pivotally mounted in recesses in the ends of the abutting sections, a right and left hand threaded member engaging threaded apertures in said pivoted pins and complementary interengaging locking means carried by the ends and sides of said sections, said threaded member providing means for drawing the interlocking means into engagement when the sections have been arranged in selected position.

2,183,087
TRISAZO DYESTUFFS AND THEIR MANUFACTURE

Emil Senn, Riehen, near Basel, Switzerland, assignor to the firm of J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application June 14, 1938, Serial No. 213,683. In Switzerland July 1, 1937
7 Claims. (Cl. 260—171)

1. Trisazo dyestuffs corresponding in the free state to the following formula

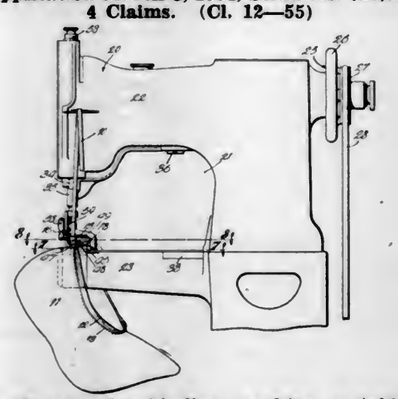


wherein R represents the radical of a sulphonated diazotizable amine selected from the group consisting of sulphonated diazotizable amines of the benzene and naphthalene series, *n* being 1 to 2, and alkylene meaning a lower alkylene radical, being dark powders soluble in water with green- to violet-black colors, being excellently suitable for dyeing leather black, especially calf velour leather by the method of acid brushing dyeing.

2,183,088
EDGE BINDING

John Sherman Willis, Portsmouth, Ohio, assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application March 3, 1934, Serial No. 713,884
4 Claims. (Cl. 12—55)



1. In an edge binding machine, a table, a swinging anvil, claw mechanism comprising gripping elements on the anvil, a presser foot, a tape feeding guide for delivering tape under the presser foot and against the upper marginal edge of sheet material inserted under the presser foot, and a guide on the table for directing an edge binding strip secured on the under face of the sheet material into position of overlap on top of the tape, said anvil and claw mechanism cooperating to press the binding strip against the tape and feed the sheet material, and means for elevating said presser foot when said anvil and claw mechanism come into full contact.

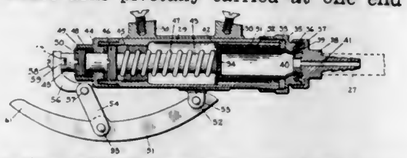
2,183,089
TIRE PRESSURE SIGNAL

Sherman G. Bond, Wichita, Kans.

Application March 7, 1938, Serial No. 194,286
4 Claims. (Cl. 200—58)

1. In a device of the class described, an elongated casing, a pressure responsive element in

the casing, a plunger movable by the pressure responsive element and slidably extending through and sealed with respect to one end of the casing, a contact arm pivotally carried at one end by



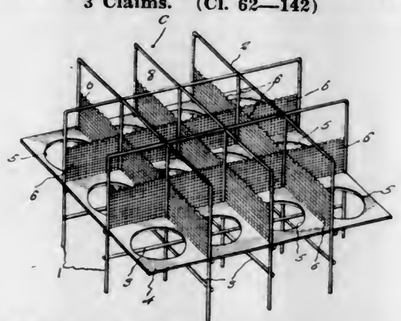
the casing, said plunger being pivotally connected to said contact arm to cause movement thereof with respect to the longitudinal axis of the casing.

2,183,090

MILK CRATE

Marvin C. Boone, Jackson, Miss.

Application October 18, 1938, Serial No. 235,676
3 Claims. (Cl. 62—142)



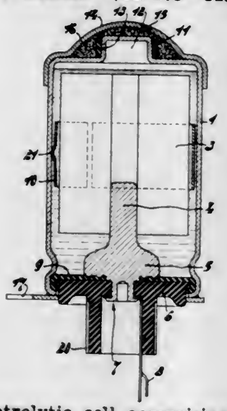
1. An icing device for a bottle comprising a horizontal member having a hole therein through which the bottle passes and vertical members connected with the horizontal member and spaced from the hole, said vertical members forming an ice receiving chamber for holding ice in direct contact with the upper portion of the bottle.

2,183,091

ELECTROLYTIC CELL

Anthony Frederik Peter Johannes Claassen and Cornelis de Lange, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application June 26, 1937, Serial No. 150,622
In Germany July 20, 1936
6 Claims. (Cl. 175—315)



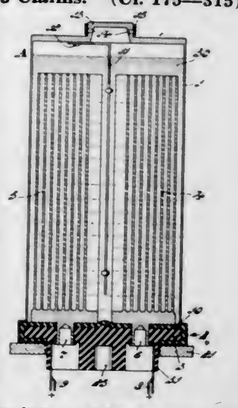
1. An electrolytic cell comprising a container of an easily-worked film-forming metal, an anode within said container, an electrolyte, said container serving as a current-supply conductor for the electrolyte, and a strip-shaped contact member of a more precious metal than the container metal and electrically connected to the container, said member substantially completely encircling the anode and extending laterally at least over the middle portion thereof.

2,183,092

ELECTROLYTIC CONDENSER AND METHOD OF MAKING THE SAME

Cornelis de Lange and Adriaan Jan Juriaan Lambeek, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application February 28, 1938, Serial No. 193,170
In Germany March 5, 1937
3 Claims. (Cl. 175—315)



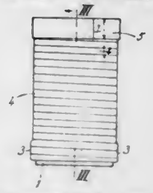
3. An electrolytic condenser comprising a common container, an electrolyte, a plurality of electrodes arranged in spaced relationship within said container and insulated therefrom, each electrode being in the shape of a sector of a cylindrical body and having a base portion and a plurality of parallel extensions perpendicular to the base portion, and a supply conductor for each of said electrodes.

2,183,093

CONTAINER

Edouard Louis Diot, Neuilly-sur-Seine, France

Application November 30, 1935, Serial No. 52,436
In France November 30, 1934
3 Claims. (Cl. 229—4.5)



1. A container provided with a large open end having a bottom cap and a body made solely from a strip of creped material the inner end of which is fixed on the outer side of the lateral wall of said bottom cap by at least one convolution the pitch of which is nil, said strip being then wound in helical convolutions to form said body, the outer end of said strip being wound

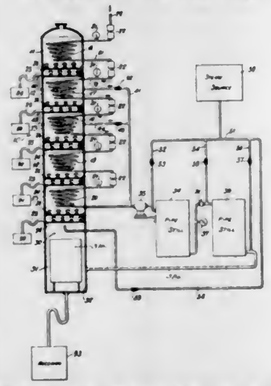
in at least one convolution the pitch of which is nil to form a reinforcement at the opposite end of said body, each convolution of said strip being cemented to the previous one and an impermeable coating on one at least of the inner and outer faces of said container.

2,183,094

APPARATUS AND PROCESS FOR FLASHING MINERAL OILS

Merrell R. Fenske, State College, and Wilbert B. McCluer, Bradford, Pa., assignors to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania

Original application September 13, 1933, Serial No. 689,330. Divided and this application December 19, 1936, Serial No. 116,706
3 Claims. (Cl. 196—94)



1. Apparatus for fractionating a liquid mixture such as mineral oil comprising, a plurality of serially arranged sections adapted to permit the flow of vapors consecutively therethrough, condensing coils in each section, means for conducting a constant rate of supply of feed liquid serially through said condensing coils of said sections as a heat exchange medium, said feed liquid flowing countercurrently to but in indirect contact with said vapors, means for controlling the heat exchange capacity of said constant rate of supply of feed liquid in each coil independently of the heat exchange capacity of said feed liquid in the other coils, means for further heating said feed liquid after leaving the last condensing coil, a vaporizing chamber connected to one end of said series of sections in a manner to deliver vapors thereto, means for connecting said heating means to said vaporizing chamber to deliver heated materials thereto, and means for separately withdrawing condensate from each of said sections.

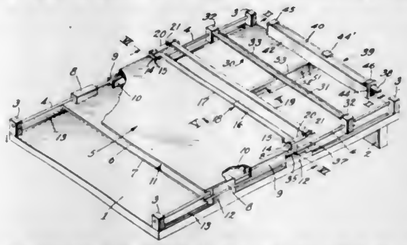
2,183,095

COMPARING DEVICE

Samuel H. Fleming, Washington, D. C.

Application June 6, 1938, Serial No. 212,116
20 Claims. (Cl. 281—1)

1. In a device of the character described for comparing reading matter on separate sheets, the combination comprising a substantially flat rectangular base, holding means adjacent the top end of said base for one of said sheets, a rod arranged adjacent and along each side of said base, means slidably mounted on said rods and including a substantially flat surface to provide a writing support for the other sheet, said slidably mounted means being shiftable toward said holding means and over said first sheet to prepare the device for a comparing operation and away from holding means in a comparing operation, means providing adjacent the top end of said slidably mounted means a guide edge to assist reading of the matter on said second sheet of material and a guide for leading said second sheet



to a position below said writing surface as said second sheet is shifted over said writing support to bring successive portions thereof into reading position adjacent said guide edge, and means associated and movable with the top end of said slidably mounted means and providing a guide to assist reading of said first sheet.

2,183,096

MATCH HOLDER

David O. Ford, Colonial Heights, Va., assignor of one-half to Joseph Mills Hanson, Colonial Heights, Va.

Application January 22, 1938, Serial No. 186,451
6 Claims. (Cl. 206—29)



1. A match book comprising a plurality of matches, a carrier for said matches secured at one end to base portions of the matches and adapted to be reversely rolled upon itself longitudinally of the matches to form a loop for engagement about a support, a locking tongue on one end of the carrier, and a slot formed in the other end of the carrier and adapted to receive the locking tongue for holding the loop under tension in engagement with said support and mounting the matches in position to extend transversely of the support and project laterally from one side thereof.

2,183,097

DUST HAZARD ELIMINATOR

Edward C. Gledhill and William E. Gledhill, Galion, and Gail W. Newell, Carey, Ohio, and Harry H. Miller, Clermont, Ind., assignors to The Gledhill Road Machinery Company, Galion, Ohio, a stock company of Ohio

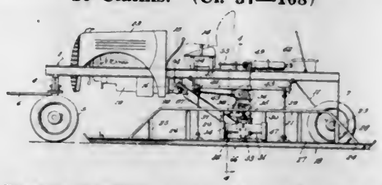
Application February 5, 1938, Serial No. 188,996
10 Claims. (Cl. 37—143)



1. In a dust hazard eliminator, a skeleton

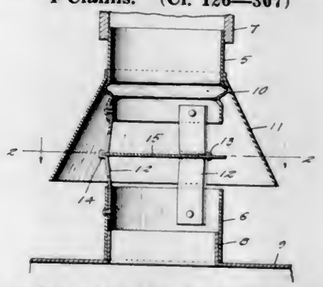
frame, means connecting the skeleton frame with a road machine, and a flexible cover for the skeleton frame, said cover having adjustable means for restricting dust raised by the road machine to flow within a small area rearwardly of the machine.

2,183,098
ROAD MILLER
Edward C. Gledhill, Galion, Ohio
Application August 3, 1938, Serial No. 222,915
10 Claims. (Cl. 37—108)



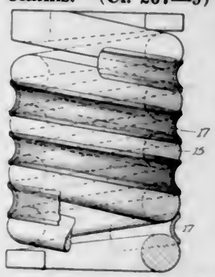
1. In a road miller, a main frame having wheels and a tongue to be connected to a source of motive power, a motor carried by the main frame, a sub-frame carried by the main frame and having rods, runner frames, levers operatively connecting the runner frames with the rods on the sub-frame, hydraulically operated means carried by the main frame and operatively connected with certain of the levers for raising or lowering the runner frames with respect to the sub-frame and main frame and to a surface to be milled, a mounting frame swingingly connected with the motor, a rotor having a shaft journaled in the mounting frame and in the runner frames, teeth carried by the rotor, bearings carried by the mounting frame and disposed above the ends of the rotor, a differential mechanism carried by the mounting frame and having shafts journaled in the bearings, said differential mechanism having a drive shaft connected with the motor, means operatively connecting the differential shaft with the rotor whereby rotative movement from the motor will be transmitted to the rotor shaft for engaging the teeth with a surface to be milled, and means for adjusting the rotor shaft and teeth with respect to the runner frames thereby adjusting the depth of cut of the teeth.

2,183,099
DRAFT CONTROL MEANS FOR GAS HEATERS
Harry E. Hagenbuch, Oklahoma City, Okla.
Application September 23, 1938, Serial No. 231,427
4 Claims. (Cl. 126—307)



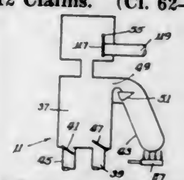
1. In a gas water heater flue hood construction, a pair of upper and lower collar sections adapted for connection with a flue and a draft opening of a gas water heater respectively, straps connecting said sections together in spaced relation and formed with laterally disposed seats between said sections, a disk secured in said seats and between said sections, said disk being of a larger diameter than said lower section whereby to deflect down draft from said upper section away from said lower section.

2,183,100
SPRING DAMPENER
Cyrus J. Holland, Chicago, Ill., assignor to Holland Company, a corporation of Illinois
Application May 2, 1938, Serial No. 205,504
2 Claims. (Cl. 267—9)



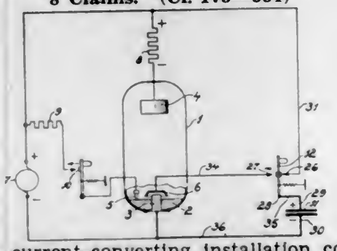
1. In combination, truck side frame having a bolster opening therein, a bolster in said opening, a spring assembly for supporting said bolster, said assembly comprising a plurality of load supporting helical springs, a helical dampening member concavo-convex in cross-section threaded on the intermediate portion only of one of said springs, said member being of light material concavo-convex in cross-section, the convex surface of each turn of said member being nested between the adjacent turns of said helical spring and in engagement with the exterior surfaces of two adjacent turns of said helical whereby when said helical vibrates vertically it will cause a change in the overall length of said dampening member.

2,183,101
BOILER FEEDER
James D. Jordan, Oak Park, and Daniel F. Ellis and Cecil W. Preston, Chicago, Ill., assignors to General Household Utilities Company, Chicago, Ill., a corporation of Delaware
Application September 4, 1937, Serial No. 162,563
12 Claims. (Cl. 62—115)



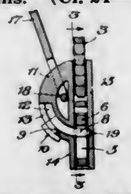
4. A fluid feed device comprising receiving means to receive a fluid medium from a relatively low pressure supply source, means to evaporate a part of the received medium and generate vapor pressure in said receiving means whereby to force the remainder of the medium, as a charging unit, into a delivery zone in which the prevailing pressure is higher than that at the supply source, including a check valve between the receiving means and the source and between the delivery zone and the receiving means, valve operating means, operable in response to decrease in pressure in the receiving means after expulsion of medium to the delivery zone, and a valve arranged between the supply source and the receiving means for controlling communication between said supply source and receiving means, said valve and valve operating means being operatively associated to open said valve when the operating means is operated for equalizing the pressure in the supply source and the receiving means.

2,183,102
MERCURY CATHODE DISCHARGE TUBE
Tom Jurriaanse, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application April 15, 1938, Serial No. 202,333
In Germany April 10, 1937
8 Claims. (Cl. 175—354)



1. A current-converting installation comprising a discharge tube having a mercury cathode, a main anode spaced from said cathode to form a discharge space, means to form a cathode spot on said mercury cathode, and an extinguishing electrode above the surface of said mercury cathode and adjacent the cathode spot formed thereon, and means for applying to said electrode, to interrupt the main discharge, a short voltage impulse which is positive with respect to the cathode.

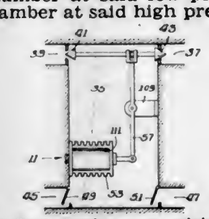
2,183,103
SLIDE FASTENER LOCK
Henry C. Parker, Washington, D. C.
Application February 9, 1937, Serial No. 124,886
6 Claims. (Cl. 24—205)



5. A slider for the usual slide fastener comprising upper and lower spaced wings, an arcuate lug mounted on the upper wing, at least one arcuate groove in said lug, an aperture in said upper wing registering with said groove, a locking element provided with at least one arcuate locking prong slidable in said groove and adapted to pass through said aperture and to enter the space between said wings when in its locked position.

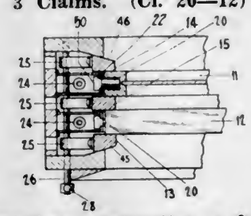
2,183,104
BOILER FEEDER
Cecil W. Preston and Daniel F. Ellis, Chicago, and James D. Jordan, Oak Park, Ill., assignors to General Household Utilities Company, Chicago, Ill., a corporation of Delaware
Application September 4, 1937, Serial No. 162,562
18 Claims. (Cl. 62—115)

5. In combination, a chamber operating at relatively high pressure, a source of supply fluid at relatively low pressure, means to supply fluid from said source to said relatively high pressure chamber comprising an equalizing chamber, temperature responsive means to adjust the pressure of said equalizing chamber alternately to substantially said relatively high and said relatively low pressures, and means to feed supply fluid to said equalizing chamber at said low pressure and to said other chamber at said high pressure.



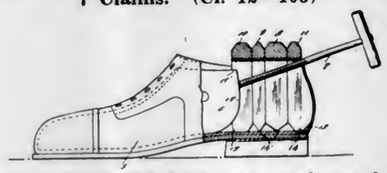
16. A boiler feed device comprising a chamber, means for supplying the chamber with boiler feed fluid, and temperature responsive means for adjusting the pressure in the chamber substantially to the pressure of the boiler whereby to feed the fluid from said chamber to said boiler.

2,183,105
SLIDING AND SWINGING WINDOW
Isidore Reiser, New York, N. Y.
Application July 19, 1938, Serial No. 220,062
3 Claims. (Cl. 20—12)



1. In a window construction, a frame having retractable sash guiding elements forming slideway means in which a sash is slidably mounted, said frame having two vertically slotted sash weight carrying housings positioned with said slots in alinement on opposite sides of said sash, an elongated and apertured pivot carrying slide member having upper and lower T-shaped angular extensions mounted in slidably interlocked relation in each of said slots, said sash having pivots fixedly secured thereto at the mid-portion thereof, said pivots being rotatably mounted in said apertures, said pivot carrying slide members being thereby held securely at four rectangularly spaced points inside said housings and adapted for guiding said sash in non-tiltable and parallel slidable relation with the slotted walls of said housings.

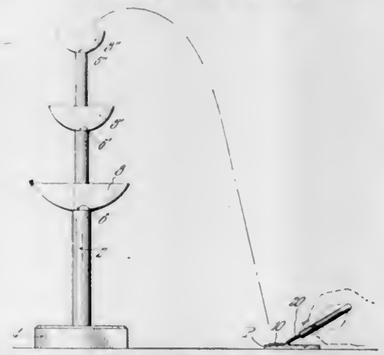
2,183,106
ATTACHMENT FOR SHOE STRETCHERS
Joseph Romano, Donora, Pa.
Application December 14, 1938, Serial No. 245,743
7 Claims. (Cl. 12—103)



1. An attachment for shoe stretchers wherein

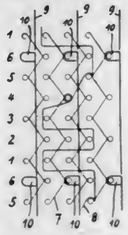
the stretcher is provided with a rearwardly extending manipulating rod, said attachment comprising a plurality of wedge members each having a vertical slotted opening extending through the bottom of the wedge to accommodate the rod in a straddling position thereon between the rear end of the stretcher and the counter of the shoe and finger gripping means at the side edge portions of said wedge members.

2,183,107
GAME
Edward S. Savage, Rochester, N. Y.
Original application September 11, 1937, Serial No. 163,455. Divided and this application January 5, 1939, Serial No. 249,440
2 Claims. (Cl. 273—105)



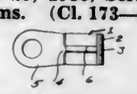
1. A toy apparatus of the class described comprising in combination, a base, an upright member mounted on said base and having successively different diameters thereon forming shoulders of successively different diameters, and a plurality of separate receptacles having centrally located perforations of successively different diameters corresponding to the diameters of the shoulders, all adapted and arranged in co-operative relationship whereby said receptacles being receivable upon said upright member abut the respective shoulders thereof so as to be disposed one above the other.

2,183,108
WARP GOODS
Paul Schönfeld, Chemnitz, Germany
Application October 2, 1937, Serial No. 166,904
In Germany July 16, 1937
3 Claims. (Cl. 66—192)



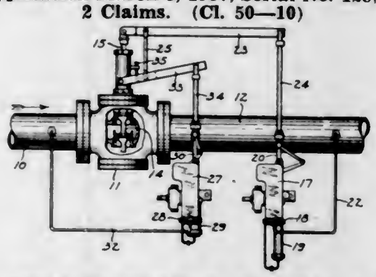
1. A plain warp knit fabric having two inelastic thread groups and rubber warp threads between the two inelastic thread groups, and being formed into knitted loops in spaced courses only, the upper thread group being worked in without forming knitted loops in those courses in which the rubber warp threads form knitted loops.

2,183,109
SOLDERLESS CONNECTOR
Harry E. Sipe, New York, N. Y., assignor of one-half to Nathaniel L. Foster, Montclair, N. J.
Application May 29, 1936, Serial No. 82,384
19 Claims. (Cl. 173—269)



1. An electric connector comprising a single member having an open-top wire receiving channel formed therein, whereby a wire may be freely placed over said channel, outside of same, for forcing the wire laterally from outside the channel down into the channel, the side walls of said channel, transversely of its length, being straight, the depth of said channel being greater than one half of its width, and said member having also a different portion thereof bent over adjacent the open face of said channel to force and retain a wire in clamped relation within said channel, the said bent over portion extending lengthwise of said channel, and the line of its bend being transverse to the longitudinal axis of said channel.

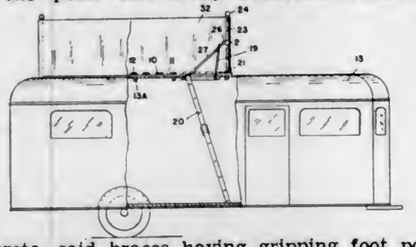
2,183,110
REGULATING APPARATUS
Charles M. Terry, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application March 3, 1937, Serial No. 128,780
2 Claims. (Cl. 50—10)



1. Regulating apparatus comprising a valve arranged to control the flow of fluid from an inlet zone to an outlet zone, a regulator arranged to move solely in accordance with variations in the pressure in the outlet zone, connections between said regulator and the valve including a lever, a fulcrum for the lever, a second regulator arranged to move solely in accordance with variations in the pressure in the inlet zone and to remain stationary so long as the inlet zone pressure exceeds a predetermined value, and means connecting the second regulator to the fulcrum to cause movement thereof in such a direction as to close the valve whenever the pressure in the inlet zone falls below the said predetermined value irrespective of the pressure in the outlet zone.

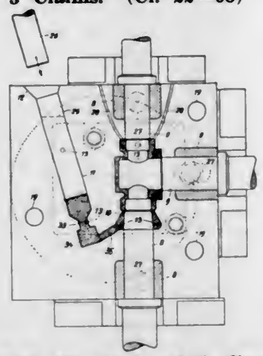
2,183,111
SOLARIUM FOR AUTO TRAILERS AND THE LIKE
Stanley C. Tesmer, Berkeley, Mich.
Application October 20, 1937, Serial No. 170,082
6 Claims. (Cl. 128—372)

2. A solarium comprising a floor structure, sockets secured to the floor structure adjacent the corners, posts detachably securable to the floor structure in spaced upstanding relation to define the corners of an enclosure, said posts being fixed at their lower ends but swingable outwardly thereabout, an opaque screen of limp material arranged to extend around such area and to contact the outer portions of and be supported by the posts, and braces pivotally secured to the posts and freely swingable relatively



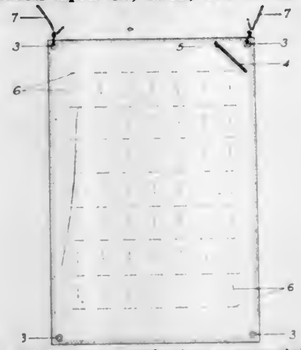
thereto, said braces having gripping foot portions engageable with the floor structure at any of a plurality of points therealong, whereby the posts may be swung outwardly and held by the braces to stretch the screen.

2,183,112
DIE CASTING MACHINE
Jakob Vontobel, Teufenthal, Switzerland, assignor to the firm Injecta Aktiengesellschaft, Teufenthal, Canton of Aargan, Switzerland, a joint-stock company of Switzerland
Application July 7, 1937, Serial No. 152,406
In Germany August 7, 1936
3 Claims. (Cl. 22—68)



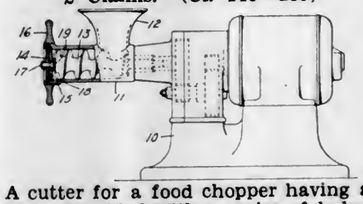
1. Apparatus for single shot die-casting of manually ladled high temperature alloys in liquid condition, said apparatus comprising a die having a mold cavity, a generally upright pressure chamber communicating with a conventional highly constricted gate formed at the mold cavity, the communication between the pressure chamber and the gate including alternate constrictions and enlargements suitably dimensioned to retard the initial flow of metal from the pressure chamber to the gate, there being two constrictions with an abrupt and substantial enlargement therebetween, all in addition to the aforesaid constricted gate, a plunger, means to reciprocate the same into and out of the pressure chamber, said plunger being fully retractable from the pressure chamber in order to facilitate manual ladling of a quantity of the liquid metal into the pressure chamber, and means to eject the solidified residue from the pressure chamber, the enlargement, and the die cavity, said pressure chamber being higher than the gate, whereby the metal when first ladled therein would, if unobstructed, quickly flow to the gate, the arrangement acting to retard the initial flow of the metal.

2,183,113
FIRE MAT
Frank Willard Bennett, Decatur, Ga.; dedicated to the free use of the People of the United States of America
Application June 2, 1938, Serial No. 211,326
4 Claims. (Cl. 169—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



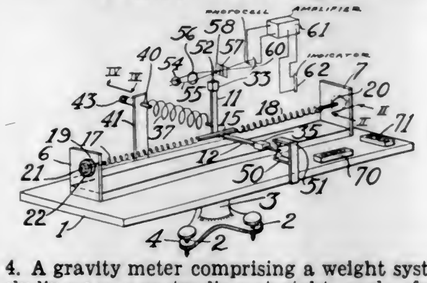
4. An article of manufacture comprising a mat having a top canvas section and a bottom canvas section congruent to said top section, said sections being secured together at their outer edges to form a confined continuous space therebetween, broken stitches securing said sections together at random points, an opening through one of said sections for introducing a fire extinguishing liquid in said confined space, a slide fastener for closing said opening, and cables for dragging said mat over a surface fire.

2,183,114
MEAT CHOPPER
Pietro Bonapace, Piscataway Township, Middlesex County, N. J.
Application October 29, 1938, Serial No. 237,666
2 Claims. (Cl. 146—189)



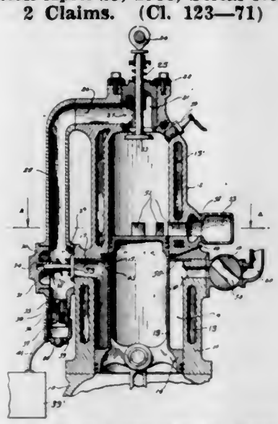
1. A cutter for a food chopper having a pressure plate provided with a series of holes, comprising a member having a plurality of radially extending arms adapted to be rotated over the face of the plate, each of said arms affording a leading cutting edge tangentially disposed relative to the axis of rotation and serrated therealong, the apexes of the serrations being spaced apart less than the diameter of the holes in the pressure plate so as to pierce the material into two or more parts as it is passed through the holes in the plate and to sever same with a combined drawing and shearing action, said serrations serving as positive means for gripping the material and restraining same against movement along the tangential leading cutting edge of the arms, and each of said arms being further provided with a portion that overhangs the tangential leading cutting edge thereof and is spaced from the plane of the plate to form a tangentially extending recess for receiving material and preventing rearward repulsion thereof during the severing action.

2,183,115
MULTIPLE GRAVITY METER
Frank G. Boucher, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 20, 1936, Serial No. 86,243
4 Claims. (Cl. 265—1.4)



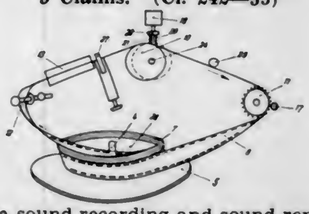
4. A gravity meter comprising a weight system including arms protruding at right angles from a hub and a weight carried by each arm, aligned horizontally disposed tension springs, the adjoining ends of which are secured to the hub, means for applying tension and torque to the opposite ends of the springs whereby the weight system is maintained in position by the tension and torque of the springs with one arm substantially horizontal and the other arm extending vertically upwardly whereby variations in the pull of gravity affect the position of the weight system, means for restoring the system to its original position including a helical spring secured to the weight system, and means for adjusting the spring to restore the system to its original position after displacement by gravity.

2,183,116
INTERNAL COMBUSTION ENGINE
Joseph S. Coates, Goshen, N. Y.
Application April 25, 1938, Serial No. 204,241
2 Claims. (Cl. 123—71)



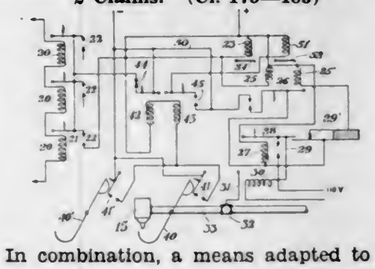
1. In an internal combustion engine of the two-stroke type, a pair of tandem cylinders, one of the cylinders having a diameter greater than the other, a piston, said piston having portions complemental to respective cylinders, a fuel intake port opening upon the larger cylinder, valve means for controlling passage of fuel to the cylinder, a fuel reservoir, the larger cylinder having a port opening upon the reservoir, a valve constructed for admitting fuel under pressure from the cylinder to the reservoir, the reservoir having communication with an upper portion of the smaller cylinder, a valved by-pass associated with the reservoir for return of condensed vapors to its original source, a valve cage in the smaller cylinder, said cage having a port in communication with the reservoir and further having a valve seat opening upon the cylinders, a poppet valve reciprocably mounted in the cage, a cam operable at engine speed for reciprocating the valve, said smaller cylinder having a plurality of exhaust ports adjacent the base of the cylinder, said ports being spaced circumferentially for half way or more of the cylinder, and an exhaust chamber complemental to the exhaust ports.

2,183,117
SOUND RECORD CARRIER
Karl Daniel, Cologne-Sulz, Germany
Application February 27, 1937, Serial No. 128,081
In Germany February 29, 1936
5 Claims. (Cl. 242—55)



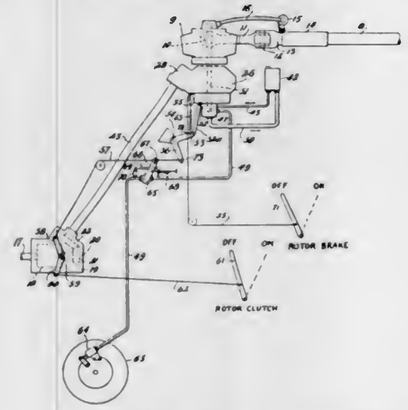
4. In a sound recording and sound reproducing device, an endless film holder comprising a plate having an axis of rotation substantially perpendicular to said plate, an endless roll of film supported upon said plate and having an outer winding convolution and an inner unwinding convolution, guide means secured to said plate and concentric with said axis of rotation, said guide means diverging outwardly from the surface of said plate at an angle substantially equal to the angle taken by said film when pulled tangentially outwardly from said roll, and a plurality of convolutions having an inclination given by said guide means with said inner convolution bearing against said guide means at the angle thereof throughout sufficient extent of said convolution to give substantially the entire convolution the angle of said guide means, whereby said guide means prevents deformation of said roll during the simultaneous winding and unwinding thereof.

2,183,118
RAIL FISSURE DETECTOR
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Original application February 4, 1933, Serial No. 655,223, which is a division of application Serial No. 436,660, March 18, 1930. Divided and this application May 9, 1935, Serial No. 20,550
2 Claims. (Cl. 175—183)



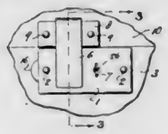
1. In combination, a means adapted to move over the rails for detecting rail flaws, a rail marking means, means for rendering said marking means effective, including a relay, means whereby said detecting means energizes said relay when passing over a flaw, said energization being ordinarily of relatively short duration due to characteristics of the flaw and the movement of said detecting means, and means for ensuring operation of said marking means, said ensuring means comprising means whereby the energization of said relay is prolonged.

2,183,119
ROTATIVE-WINGED AIRCRAFT
Agnew E. Larsen, Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application March 22, 1938, Serial No. 197,368
21 Claims. (Cl. 244—18)



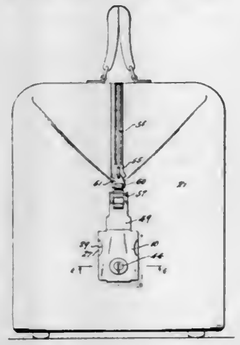
4. In an aircraft having a sustaining rotor and an associated disconnectible driving mechanism therefor extending upwardly from the body of the craft to the hub of the rotor, fluid pressure operable means for varying the pitch of a blade of the rotor, a fluid pump driven by the rotor drive means at the rotor hub to provide pressure for actuating said fluid pressure operable means, and control means interconnecting the pump and the fluid pressure operable means upon connection of the drive to the rotor.

2,183,120
LOCK FOR LUGGAGE CASES AND OTHER CONTAINERS
Abraham Levine, Elizabeth, N. J.
Application February 9, 1939, Serial No. 255,409
4 Claims. (Cl. 70—73)



1. In a hasp lock device including a pivoted hasp having a latching loop, a housing into which the hasp loop may be entered, a hasp loop latching means supported within said housing so as to be capable of both longitudinal and pivotal movements, a single spring means for controlling both longitudinal and pivotal movements of said latching means, cooperative stop means operative when said latching means is pivotally moved in one direction to obstruct longitudinal hasp loop releasing movement thereof, said latching means having key engageable means whereby the same may be pivotally moved by an inserted and turned actuating key, and said latching means having means exteriorly of said housing for manually moving the same longitudinally against the tension of said spring means.

2,183,121
LATCH MECHANISM
Abraham Levine, Elizabeth, N. J.
Application July 11, 1939, Serial No. 283,750
6 Claims. (Cl. 70—68)

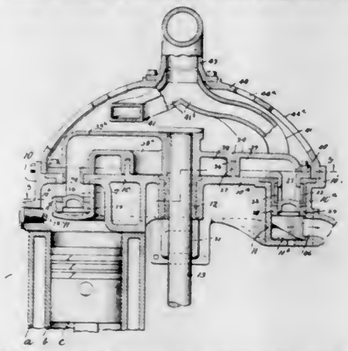


1. A latch mechanism comprising, a casing having an access opening at one end, a latchable member having latch-hook means insertable through said opening, a transversely disposed latch plate slidably supported within said casing adjacent to said access opening, said casing having a side opening through which an end portion of said latch plate exteriorly projects to provide an exposed manipulating means therefor, a locking tumbler mounted within said casing subject to swinging movement in engagement with said latch plate and to key actuated longitudinal movement, a fixed stop means with which the free end portion of said locking tumbler is engaged so as to restrain swinging movement thereof when the same is moved longitudinally toward said latch plate, a spring means bearing on said locking tumbler to transmit through swinging movement of the latter a thrust adapted to yieldably hold said latch plate in latching position, and cooperative elements on said spring means and locking tumbler for selectively yieldably retaining the latter in longitudinally advanced locking or retracted releasing relation to said latch plate.

2,183,122
COMBUSTION ENGINE WITH ROTARY VALVE
Henry Manrodt, Newark, N. J., and Manfred Manrodt, Baltimore, Md.
Application December 7, 1936, Serial No. 114,570
Renewed April 18, 1939
28 Claims. (Cl. 123—190)

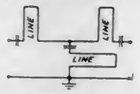
1. In an internal combustion engine, the combination with a stationary cylinder block including a plurality of cylinders in series, of a cylinder head fixed to said block, an annular valve formed with an annular chamber revolubly mounted in said cylinder head to control all cyclic operations

of said engine during a single revolution, said cylinder head being provided with annular cylindri-



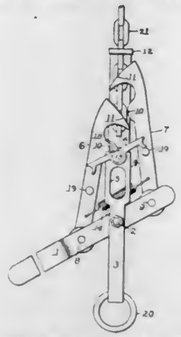
cal tracks for said annular chambers, one for each valve controlling a series of cylinders at a time.

2,183,123
WAVE FILTER
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 11, 1934, Serial No. 730,139
26 Claims. (Cl. 178—44)



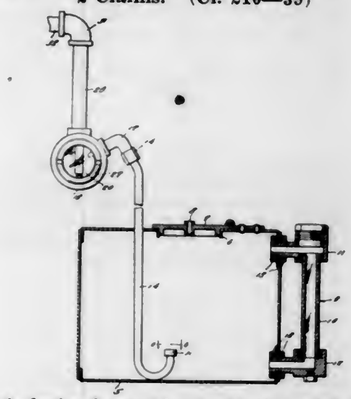
10. A broad band wave filter section comprising two impedance branches having reactive impedances of different frequency characteristics which by their ratio determine the transmission characteristics of the filter, one of said branches comprising a section of uniform and substantially dissipationless transmission line having harmonically spaced critical frequencies in combination with a capacity, in which the capacity is connected in series with the line section.

2,183,124
LIFTING AND PULLING DEVICE
Francis D. Parker, La Farge, Wis.
Application August 13, 1938, Serial No. 224,673
9 Claims. (Cl. 254—75)



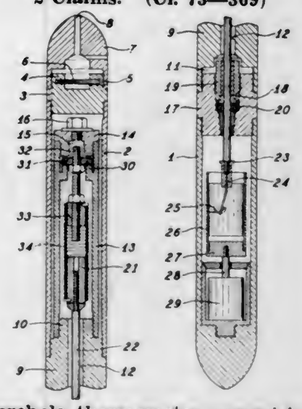
6. The combination in a lifting and pulling device, of a support, an operating lever pivotally mounted in the support, oppositely disposed hooks adapted to engage draft means pivotally secured to each arm of the lever, a thrust bar mounted on the support between the hooks for alternate engagement therewith to move each hook outwards as it is moved backward.

2,183,125
BOILER COMPOUND DISPENSER
Joseph Woods Riley and Matthew Turton, Guatemala City, Guatemala
Application August 1, 1938, Serial No. 222,543
2 Claims. (Cl. 210—39)



1. A device for use in connection with the feed water system of boilers for feeding a water-treating compound to the water being supplied to such boiler, said device comprising a receptacle for the compound, a sight feed chamber remote from said receptacle, a suction line extending from the receptacle to said chamber, a nozzle at the discharge end of the suction line extending into the chamber through an upper portion thereof, a second suction line extending from the chamber and adapted to be connected with the injector of such system at the vacuum side of said injector, said second suction line having a part extending downwardly through the chamber to a point adjacent the bottom of the chamber and a tip connected with the lower end of said part and having a reduced bore therein.

2,183,126
BOREHOLE THERMOMETER
Leo V. Uhrig, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 11, 1938, Serial No. 213,119
2 Claims. (Cl. 73—369)

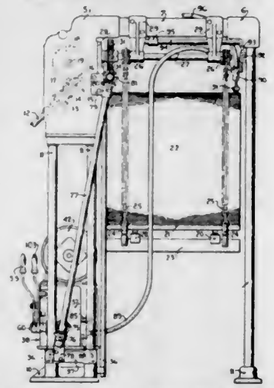


1. A borehole thermometer comprising a recording chamber and a measuring chamber sealed from each other, an inner chamber in said measuring chamber having its walls spaced from the walls of the measuring chamber, a heat sensitive fluid filling said inner chamber, a piston arranged in said inner chamber, a rod connected to said piston passing into the recording chamber, and a heat sensitive fluid in the annular space between the wall of the measuring chamber and the wall of the inner chamber.

2,183,127
PROCESS FOR PREPARING ISOPHORONE
Thomas H. Vaughn and Donald R. Jackson, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York
No Drawing. Application March 19, 1938, Serial No. 196,904
13 Claims. (Cl. 260—586)

1. Process of preparing isophorone, which comprises contacting acetone vapors with a condensation catalyst essentially comprising a compound selected from the group consisting of calcium oxide, calcium hydroxide, and calcium carbide, and isolating isophorone from the vaporous reaction products thus produced.

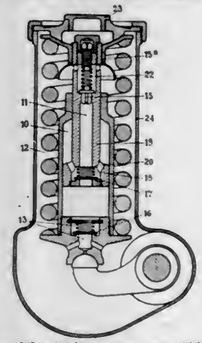
2,183,128
SHEET FEEDING APPARATUS
Leonard Baker, Hillsdale, N. J., assignor to Dexter Folder Company, New York, N. Y., a corporation of New York
Application July 2, 1938, Serial No. 217,199
14 Claims. (Cl. 271—62)



1. In a sheet feeder, a pile elevator, a housing, a driving shaft in the housing, a gear loose on the driving shaft and rotatable independently thereof, a driven shaft in the housing and connected with the pile elevator, a pawl and ratchet mechanism on the driven shaft, means for connecting the pawl and ratchet mechanism with and operating it from the loose gear on the driving shaft, an intermediate shaft in the housing and connected with the loose gear on the driving shaft, and means for driving the intermediate shaft from the driving shaft, whereby said driven shaft may be rotated intermittently in one direction by said loose gear and said pawl and ratchet mechanism to intermittently raise the pile elevator.

2,183,129
HYDRAULIC SHOCK ABSORBER FOR VEHICLES
Richard Binder and Hermann Klein, Schweinfurt, Germany
Application May 11, 1937, Serial No. 141,900
In Germany May 16, 1936
3 Claims. (Cl. 267—34)

1. A hydraulic shock absorber of the spring suspension type including a casing, a pump cylinder in said casing, forming with said casing a compensating chamber and movable axially therein, a spring for said cylinder, a plunger piston in said cylinder forming two displacement chambers, said plunger having an actuating rod connected thereto and extending through one of said displacement chambers and through one end of said cylinder, said rod having a central bore extending axially thereof and forming a liquid conduit, a passage in said piston affording communication between the two displacement chambers, a non-return valve in said passage auto-



matically operable into open position only during the movement of said piston away from said cylinder end, said bore having an inlet near said piston communicating with the chamber through which said rod passes and a single outlet communicating with said compensating chamber, a spring pressed valve controlling the flow through said outlet and between said bore and said compensating chamber and a non-return valve at one end of the other displacement chamber controlling the liquid flow from said compensating chamber into said other displacement chamber.

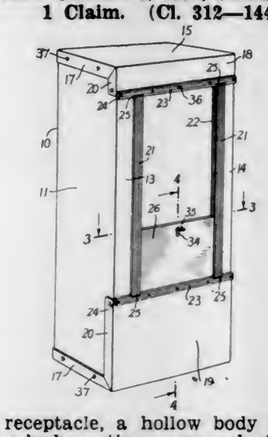
2,183,130
DISK COUPLING PROVIDED WITH VIBRATION ABSORBERS
Richard Binder, Schweinfurt, Germany
Application September 26, 1938, Serial No. 231,700
In Germany October 4, 1937
3 Claims. (Cl. 192—68)



1. A disk coupling comprising a hub member, a coupling disk member carried by said hub member, springs arranged between said members and mounted in respective recesses provided in said members, vibration absorbers in the form of friction elements frictionally interconnecting said members, axial bolts for supporting said friction elements, springs acting on said elements

to control the frictional interconnection of said members, and one or more guide disks carried by one of said members and having recesses for receiving respectively said friction elements, said elements being movable with said guide disk or disks in a circumferential direction, and movable in said latter recesses in the axial direction of said bolts against the pressing action of said last mentioned springs.

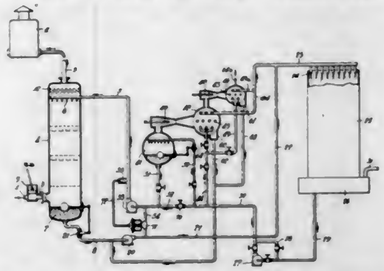
2,183,131
RECEPTACLE
Irving Blechman, Bronx, N. Y.
Application October 6, 1938, Serial No. 233,587
1 Claim. (Cl. 312—144)



In a receptacle, a hollow body structure including a body section composed of a rear wall, side walls hingedly connected to the rear wall and inwardly directed longitudinally extending front wall portions hinged to the side walls respectively, top and bottom sections having hingedly connected flanged forward edges providing inwardly directed transversely extending front wall portions overlying the longitudinally extending front wall portions at the ends thereof, said transversely extending front wall portions having hingedly connected rearwardly directed flanged side edges engaging over the side walls of the body section, said front wall portions having rigid strips secured thereto along their inner edges, the strips of the transversely extending front wall portions being notched to receive therein the ends of the strips of the longitudinally extending front wall portions to retain the same in fixed relation and to provide therewith a closure opening for admitting articles to or removing the same from the receptacle, said longitudinally extending strips being rabbeted to provide guideways with the said longitudinally extending wall portions, a longitudinally bendable closure panel downwardly slidable in said guideways, and means secured to the lower transversely extending front wall portion having a hingedly connected terminal projecting rearwardly and engaging against the bottom wall of the bottom section at an angle thereto for guiding the lower portion of the closure into overlying relationship with the bottom wall when the same is moved into opened condition.

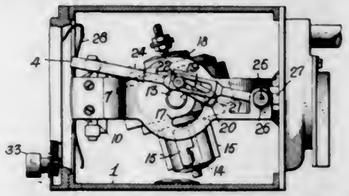
2,183,132
AIR CONDITIONING METHOD
Robert Roger Bottoms, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application November 6, 1937, Serial No. 173,108
7 Claims. (Cl. 62—176)

1. The method of cooling and dehydrating compressed gas at elevated temperature, which involves circulating water in a closed cycle, including a spray in contact with the compressed gas, an evaporative action at atmospheric pressure and in finely divided condition, and an evaporative action under subatmospheric pressure and in finely divided condition, creating said sub-



atmospheric pressure by the action of a steam jet, condensing the steam from said jet and adding at least a portion of it to said closed cycle, and controlling the temperature of the water delivered to said spray by varying the portion of the water delivered to said evaporative action under subatmospheric pressure.

2,183,133
ARTIFICIAL HORIZON
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 8, 1938, Serial No. 228,884
4 Claims. (Cl. 33—204)

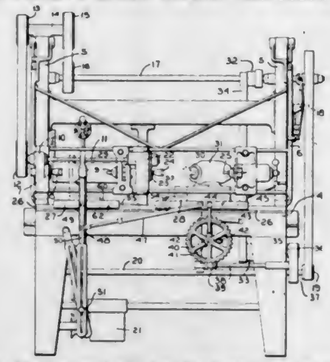


1. In an artificial horizon for aircraft, a rotor and rotor bearing member, a gimbal ring in which said member is pivotally mounted on a transverse axis, an outer casing in which said gimbal is pivoted on a fore and aft axis, a horizon bar member pivoted on a transverse axis on said gimbal behind said first axis, a connecting link also pivoted on said gimbal and having a pin and slot connection with said bar, and a pin and slot connection between said link and said bearing member near said pivotal connection of said link and gimbal, whereby the initial movements of the bar are exaggerated.

2,183,134
COPYING LATHE
George Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation
Application July 30, 1938, Serial No. 222,079
8 Claims. (Cl. 142—15)

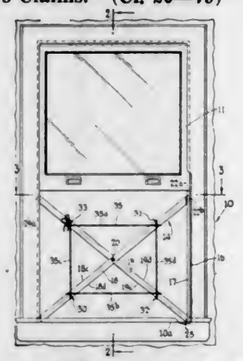
1. In a last lathe a frame, means for holding and manipulating the model and last, a model wheel carriage having a model wheel, a cutter carriage having a driven cutter, straight ways on said frame on which said carriages travel in constantly parallel alignment, means for moving the carriages along the ways at different speeds, and

linkage connecting said carriages and operable to permit relative linear motion therebetween and



to lock the carriages against displacement from their parallel alignment on said ways.

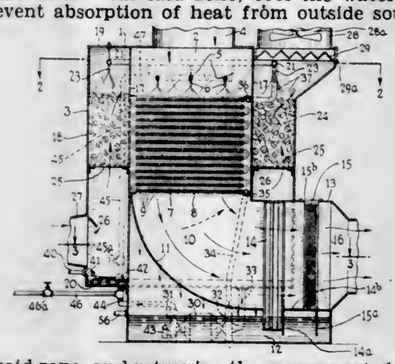
2,183,135
WINDOW GUARD
Simon Dorf, Brooklyn, N. Y.
Application April 6, 1937, Serial No. 135,250
5 Claims. (Cl. 20—79)



4. A window guard comprising a pair of elongated, straight bars pivoted together at substantially the mid portions thereof, and flexible nonstretchable means interconnecting said bars to limit relative pivotal movement of one with respect to the other.

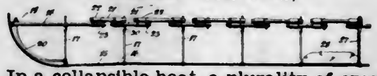
2,183,136
METHOD AND APPARATUS FOR CONDITIONING AIR
Charles R. Downs, Old Greenwich, Conn., assignor, by mesne assignments, to The Calorider Corporation, Greenwich, Conn., a corporation of Connecticut
Application June 25, 1937, Serial No. 150,230
16 Claims. (Cl. 183—120)

4. The process of dehumidifying a gaseous fluid to a moisture unsaturated state by means of a hygroscopic material, which comprises passing the gaseous fluid in contact with said material in a dehumidifying zone, circulating water through cooling elements within said zone and in heat transfer relationship to said gaseous fluid and said hygroscopic material, evaporating a portion of the water delivered from said elements closely adjacent to the outer surface of a heat conducting boundary wall of said zone to abstract heat from said zone, cool the water and prevent absorption of heat from outside sources



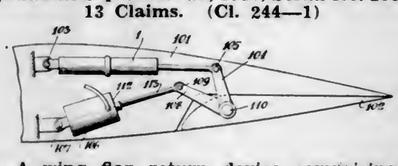
to said zone, and returning the unevaporated portion of the water to said cooling elements.

2,183,137
COLLAPSIBLE BOAT
George Fischer, Glendale, N. Y.
Application December 3, 1937, Serial No. 177,859
4 Claims. (Cl. 9—2)



1. In a collapsible boat, a plurality of cross ribs of progressively increasing and decreasing width corresponding to the boat's beam and the width of the boat fore and aft of the beam; each of said cross ribs having a substantially V shaped central section conforming to the contour of the boat bottom, perpendicular extension pieces in continuation of the wings of said V shaped section conforming to the contour of the sides and freeboard of the boat, and laterally and inwardly extending pieces conforming generally to the contour of the deck of the boat; a plurality of pairs of tubular sections hinged together to define the boat's gunwale when said sections are extended in alignment, there being as many pairs of tubular sections as there are cross ribs; said pairs of sections being individually pivotally mounted upon the cross ribs, there being a tubular section pivotally mounted adjacent each inner end of each inwardly extending piece; end frames conforming to the contour of the bow and stern secured to the bow and stern cross ribs; means for securing the upper end of each end frame to the end section of the gunwale to complete the boat frame; and a plurality of sleeve members, one for each hinge, slidably mounted upon said tubular sections, for locking adjacent tubular sections in alignment against movement about their hinge.

2,183,138
CONNECTING MECHANISM
Robert Leicester Hall, Garden City, N. Y.
Application September 24, 1937, Serial No. 165,464
13 Claims. (Cl. 244—1)



7. A wing flap return device comprising an outer tube having an abutment at one end, a

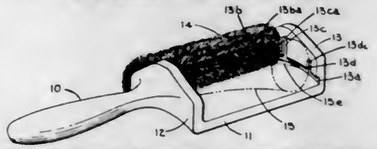
tubular extension of reduced diameter connected to the other end of said outer tube, an inner tube telescopically mounted within said outer tube, said inner tube carrying an annular collar member adjacent the inner end of said inner tube, a second annular collar member located in a space between said inner and outer tubes and slidably mounted with respect thereto, a compression spring between said collar members, a cam surface carried by said inner tube, a plurality of control arms pivoted to said annular collar members, each arm carrying at its end a roller engagable with said cam surface and also carrying an intermediate roller, said outer tube carrying an abutment engageable with said intermediate roller and a tensor spring connected at one end to said inner tube and at its other end to said tubular extension located within said inner tube and said tubular extension.

2,183,139

HAIR BRUSH

William Hertzberg, New York, N. Y., assignor to Hertzberg Patents, Inc., New York, N. Y., a corporation of New York

Application May 26, 1939, Serial No. 275,814
2 Claims. (Cl. 15—206)



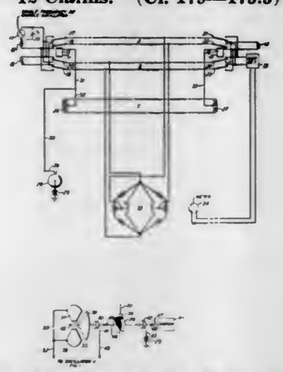
1. A hair brush forming a curved brushing surface consisting of a plurality of cylindrical brushes each brush having a stem consisting of a pair of resilient metallic wires and bristles entwisted therebetween, the stems of said brushes being arranged in triangular formation parallel to an elongated plate having transverse ledges at its ends with an entrance slot in one ledge and oppositely aligned apertures on the inside of said ledges holding the ends of said stems so that the outline of the bristles thereon forms a curved surface.

2,183,140

CROSS-TALK MEASURING AND CORRECTING APPARATUS

Lester Hochgraf, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 9, 1937, Serial No. 178,888
12 Claims. (Cl. 179—175.3)



1. In combination, a pair of circuits, a source of oscillations, a measuring device and means for continuously switching said source between said circuits in alternation with said measuring device so that said source and said measuring device are each constantly connected to one of said pair of circuits but not simultaneously to the same circuit.

2,183,141

METHOD OF FERMENTING WHEY TO PRODUCE ALCOHOL

Willem Kauffmann and Pieter Johannis van der Lee, Amsterdam, Netherlands

No Drawing. Application August 17, 1937, Serial No. 159,487. In the Netherlands September 19, 1936
2 Claims. (Cl. 195—37)

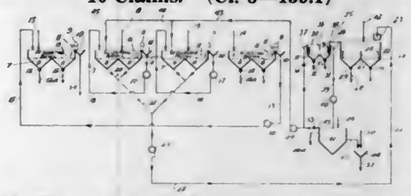
1. The method of treating whey, which comprises adding to pasteurized whey a pure culture of yeast of the kind traceable in Gervais cheese, said culture being selected from a series of similar cultures, which were obtained from starting materials which contain yeast microorganisms capable of fermenting lactose, and having been found capable of converting more than about 65% of the lactose present in the whey into ethyl alcohol within not more than three days.

2,183,142

METHOD OF CLEANING WOOL

Franklin H. Mackenzie, Bywood, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

Application September 14, 1936, Serial No. 100,598
10 Claims. (Cl. 8—139.1)



10. The substantially continuously operable method of cleaning wool which comprises preliminarily washing it with water; then scouring with an alkali detergent solution followed by rinsing with water; continually withdrawing a portion of the scouring solution containing substantially all of the settled dirt; heating the withdrawn solution to a temperature substantially above scouring temperature; separating grease and solids from said heated withdrawn solution to leave purified detergent solution; and returning purified detergent solution to the scouring stage.

2,183,143

METHOD OF PREPARING COLOR-PRINTING PLATES

Walter S. Marx, Jr., Port Washington, N. Y., assignor to Printing Arts Research Laboratories, Inc., a corporation of Delaware

Application September 27, 1934, Serial No. 745,682
2 Claims. (Cl. 95—5.1)



1. In the art of preparing printing plates for multi-color printing of matter, said matter containing black lines, those steps which consist in photographically printing a black and white positive of said matter on a sheet of transparent material while photographically printing the black lines on said positive more lightly than the black lines in the original matter, and representing the color scheme with the exception of black color, upon said sheet.

2,183,144

SKIING FIGURE

Charles D. McIntyre, Portland, Oreg.

Application September 21, 1938, Serial No. 231,081
4 Claims. (Cl. 46—119)



1. A skiing toy comprising, in combination, a pair of skis and a figure simulating a skier mounted on said skis, said figure including a main body portion and a limb portion adjustably secured to the main body portion and movable to alter the distribution of weight of the figure.

2,183,145

PROCESS FOR PRODUCING HYDROCARBONS

Wilhelm Michael, Ludwigshafen-on-the-Rhine, and Wolfgang Jaeckh, Heidelberg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 1, 1937, Serial No. 172,238. In Germany November 30, 1935
6 Claims. (Cl. 260—449)

1. A process for the conversion of carbon monoxide and hydrogen into substances selected from the group consisting of liquid, solid and gaseous hydrocarbons which comprises contacting the said carbon monoxide and hydrogen at a reacting temperature with a catalyst prepared by a thermal treatment of an iron compound at a temperature above 600° C. and in the presence of a reducing gas, but below the melting point of the iron compound or below the melting point of the iron resulting from this treatment, which by the action of a reducing gas may be converted into iron at the said temperature, the said thermal treatment being effected at such a high temperature and for such a long time that at least partial sintering of the resulting iron compound or iron takes place.

2,183,146

PRODUCTION OF VALUABLE HYDROCARBONS AND THEIR DERIVATIVES CONTAINING OXYGEN

Wilhelm Michael, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany

No Drawing. Application May 4, 1938, Serial No. 205,983. In Germany May 5, 1937
5 Claims. (Cl. 260—449)

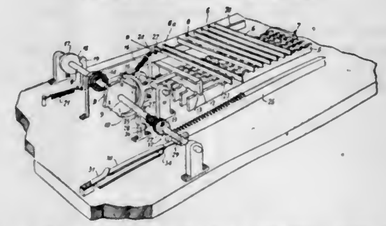
1. A process for the conversion of carbon monoxide and hydrogen into substances selected from the group consisting of liquid, solid and gaseous hydrocarbons which comprises contacting the said carbon monoxide and hydrogen at a reacting temperature with a catalyst prepared by thermally treating a metal of the iron group which has been obtained by decomposition of a carbonyl compound of this metal at such a high temperature above 500° C., but below the melting point of the said metal, and for such a long time that at least partial sintering of the said metal takes place.

2,183,147

PRINTING TELEGRAPH SYSTEM

John B. Moore, Riverhead, N. Y., and Richard E. Mathes, Fanwood, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application May 7, 1936, Serial No. 78,348
Renewed April 19, 1939
17 Claims. (Cl. 178—23)



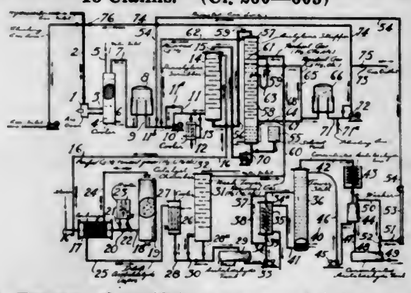
1. In a printing telegraph system, means responsive to character representing signals all of which signals are of equal length and possess a fixed ratio other than one-to-one between the number of marking and spacing units thereof, means to de-code said signals, and actuating mechanism responsive to the operation of said de-coding means to print a designated character only when a signal is received the marking and spacing units of which are in conformity with said fixed ratio.

2,183,148

METHOD FOR PURIFYING ACETYLENE GAS AND MANUFACTURING ACETALDEHYDE THEREWITH

Eger V. Murphree, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 25, 1931, Serial No. 577,285
15 Claims. (Cl. 260—605)



1. Process of purifying gases containing a substantial amount of acetylene and some impurities of the nature of diacetylene, which comprises contacting said gases with a solvent for said impurities, at a temperature low enough, under the pressure conditions used, to effect solution in said solvent of at least a major proportion of the impurities but high enough to effect

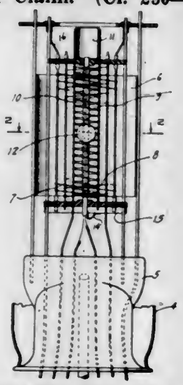
solution of not more than a relatively small proportion of the acetylene.

9. Process of making acetaldehyde from acetylene, which comprises contacting a gaseous mixture, containing a substantial amount of acetylene and a small amount of impurities of the nature of diacetylene and gases inert in the aldehyde conversion process, with a solvent, at a temperature low enough, under the pressure conditions used, to effect solution in said solvent of at least a major proportion of the impurities but high enough to effect solution of not more than a relatively small proportion of the acetylene, passing the purified gases to a conversion zone to produce acetaldehyde and recycling the residual gases from the aldehyde conversion process to a stripping zone to remove dissolved gases from the charged solvent.

2,183,149
THERMIONIC TUBE

Henry W. Parker, Toronto, Ontario, Canada, assignor to Rogers Radio Tubes Ltd., Toronto, Ontario, Canada, a corporation of Ontario, Canada

Application April 26, 1938, Serial No. 204,264
1 Claim. (Cl. 250—176)

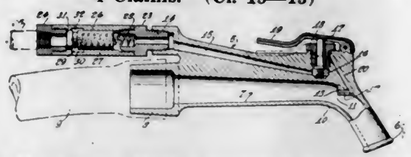


A thermionic tube comprising, a substantially evacuated envelope enclosing a cathode, an anode, a control grid, and an additional electrode conductively connected to said control grid for neutralizing the effect of secondary emission from said control grid, said electrode comprising a small metallic target positioned adjacent one side only of said grid, between said cathode and said anode, in close proximity to said cathode and having a projected area considerably less than the total area of that side of said control grid to which it is adjacent.

2,183,150
SUCTION CLEANER

William N. Patterson, Detroit, Mich.

Application November 26, 1937, Serial No. 176,399
4 Claims. (Cl. 15—13)

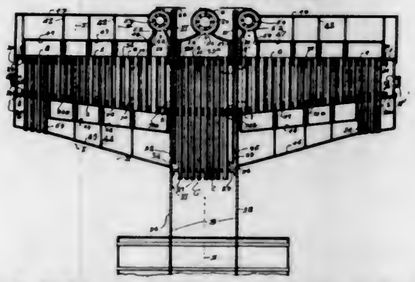


1. A suction cleaner comprising a casing having a suction nozzle, an exhaust outlet and a passageway connecting the interior of the nozzle with said outlet; means associated with said passageway for drawing dust laden air from said nozzle and discharging said air through said passageway and exhaust outlet; and means for agitating the nozzle, said agitating means comprising a cylinder in fixed relation to the nozzle, a reciprocating piston therein, means for delivering compressed air to one end of the cylinder and for exhausting the other end, a spring urging the piston toward the inlet end of the cylinder, said spring being adapted to be overpowered by compressed air at the inlet end, said piston and cylinder having cooperating passages establishing communication between the ends of the cylinder only when the piston is away from the inlet end of the cylinder to permit air at the exhaust end to assist the spring in returning the piston.

2,183,151
AIRPLANE GENERATOR AND POWER SYSTEM

Adolphe C. Peterson, Minneapolis, Minn.

Application November 22, 1935, Serial No. 51,060
Renewed May 8, 1939
18 Claims. (Cl. 244—53)

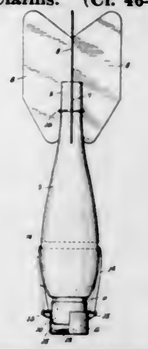


1. A steam generator for an airplane having wings including a central structure and a main tubular member for the wings, the central wing structure having supported therein and extending from each side the tubular wing spar, means for delivering a generator liquid under pressure to the remote end of each tubular wing spar and means for delivery from the inner end of each tubular wing spar generator fluid under pressure to a power conversion means, and heating tubes in the tubular wing spar and means whereby they each may receive gases under combustion or gases of combustion.

2,183,152
TOY BOMB

Harold N. Prensky, Forest Hills, and Eugene Grieshaber, Springfield Gardens, N. Y.

Application November 28, 1938, Serial No. 242,657
4 Claims. (Cl. 46—200)



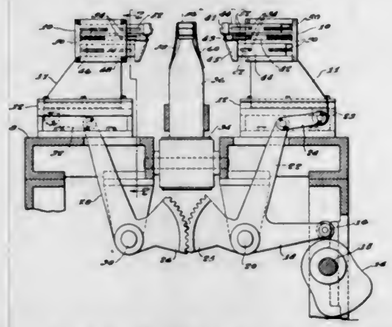
1. In a toy bomb, a streamlined body having a tail portion, said tail portion being provided with

longitudinally disposed slots each at right angles to the other, and vane members disposed within said slots, the adjacent portions of the vane members being integrally formed in pairs, and a ring around said tail and threaded through holes in all said portions, to clamp said vane members to said body.

2,183,153
LABELING MACHINE

George A. Robinson, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application October 28, 1937, Serial No. 171,520
6 Claims. (Cl. 216—9)



1. In a labeling machine, in combination, means for supporting an article of a character having irregularly shaped surfaces to be labeled and reciprocatory label pressing means for pressing successive portions of the label located progressively nearer the free end of the label against the article, said pressing means being capable of conforming to the shape of a portion of the irregular surface of the article to be labeled, whereby to cause each pressed portion to conform to the underlying surface of the article while permitting the unpressed portions to remain free to move relative to the article.

2,183,154
PROCESS FOR PRODUCING POLYMERIZATION PRODUCTS OF ETHYLENE

Johann Sixt, Munich, Germany, assignor to Consortium Fuer Elektrochemische Industrie, G. m. b. H., Munich Germany, a corporation of Germany

No Drawing. Application September 9, 1936, Serial No. 99,959. In Germany September 19, 1935
8 Claims. (Cl. 260—683)

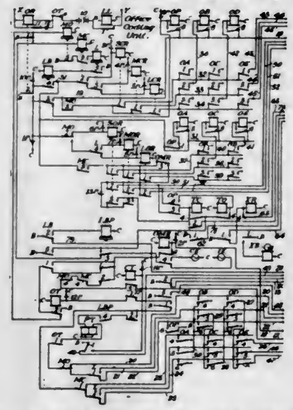
8. Process comprising polymerizing ethylene in the presence of a solvent of the group consisting of aliphatic liquid hydrocarbons and their chlorination products, aluminum chloride and a quantity of water of 0.5 to 2 mols per mol of aluminum chloride.

2,183,155
REMOTE CONTROL SYSTEM

Clarence S. Snavely, Swissvale, Alfred B. Miller, Edgewood, and Arthur P. Jackel, Swissvale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 16, 1935, Serial No. 31,592
88 Claims. (Cl. 246—5)

34. In a centralized traffic control system for railroads, an office and a plurality of stations connected by a line circuit, means at the office for delivering to the line circuit different series of code elements, means for prolonging selected

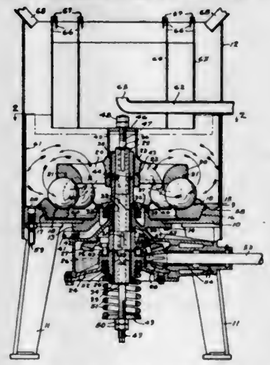


elements of each series for relatively short or long time intervals, and means at each station selectively responsive to a particular series of such code elements.

2,183,156
ROTARY BALL MILL

Emil G. Sundfelt, Seattle, Wash.

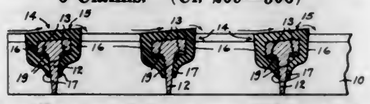
Application April 9, 1938, Serial No. 201,123
4 Claims. (Cl. 83—45)



1. A device of the class described, comprising a cylindrical receptacle for water and solids to be ground; a lower grinding ring positioned substantially axially of said receptacle and providing the lower part of an annular ball race; an upper grinding ring positioned axially of said lower grinding ring and providing the upper part of an annular ball race; a plurality of grinding balls disposed in the annular ball race between said two grinding rings; a driven shaft positioned axially of said grinding rings; a plurality of spaced apart vane members adapted to operate below the surface of the water and solids to be ground and extending above said grinding balls and connecting the upper grinding ring with said driven shaft, said vane members providing passageways for water and solids therethrough and said vane members extending upwardly and outwardly urging the water and solids in a circular path which is upwardly and through the said passageways, thence outwardly toward the walls

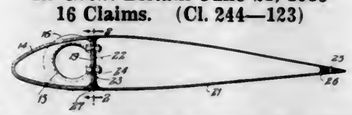
of the receptacle, whereby gravity separation occurs and the finely ground light solids will rise in the receptacle and coarser heavy solids will descend and move downwardly and between the grinding balls and the rings and will then be reground and pass upwardly and through the vanes as described; and take off means operatively positioned in the upper portion of the receptacle to remove the finely ground lighter rising solids.

2,183,157
SLUICE BOX RIFFLE
Perry Swedman, Seattle, Wash.
Application June 29, 1937, Serial No. 150,972
6 Claims. (Cl. 209—506)



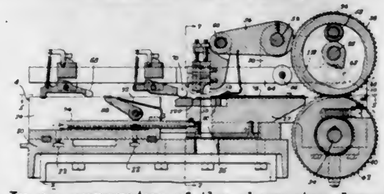
1. A riffle comprising a metal frame member having cross bars of a T form in cross section; and a resilient rubber cap member having a recess of a T form cross sectionally considered engageable with said cross bars.

2,183,158
ROTATIVE SUSTAINING WING FOR AIRCRAFT
James Allan Jamieson Bennett, Genista, Newton Mearns, Renfrew, Scotland, assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application June 16, 1936, Serial No. 85,509
In Great Britain June 21, 1935
16 Claims. (Cl. 244—123)



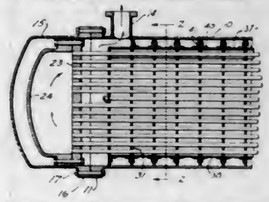
1. A rotative sustaining wing for aircraft in large part consisting of a plurality of elongated tubular members secured together with their major axes in substantial parallelism, the tubular members being shaped to define different portions of the cross-sectional contour of the wing fore and aft thereof, and, in assembled relation, defining the major part of the total cross-sectional contour of the wing, and attachment means for mounting the wing on a cooperating rotating hub, the attachment means being secured to a tubular member at the nose of the wing.

2,183,159
MACHINE FOR FEEDING AND SHEARING STRIP MATERIAL
Walter R. Chesley, Somerville, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan
Application June 22, 1936, Serial No. 86,555
5 Claims. (Cl. 113—1)



1. In an apparatus of the character described, supporting means for a blank having spaced apart aligned straps, means for intermittently advancing a continuous metallic strip, means for holding the blank with the aligned straps in alignment with the metallic strip, means for shearing the metallic strip after a predetermined advancement thereof to leave a strip portion beneath the straps of the blank and at the same time beveling the lead edge of the continuous strip to facilitate its positioning beneath the straps of another blank, and means for mutually deforming the blank and strip portion to secure them together.

2,183,160
HEAT EXCHANGER
Clarence D. Coulter, Los Angeles, and Edwin R. Cox, Huntington Park, Calif., assignors to Southwestern Engineering Company, Los Angeles, Calif., a corporation of California
Application January 19, 1938, Serial No. 185,710
4 Claims. (Cl. 257—239)

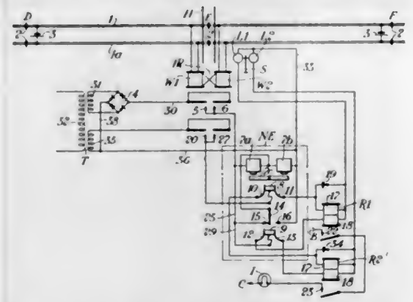


1. In a heat exchanger, the combination of: a plurality of tubes for passage of fluid therethrough and forming a tube bundle, a shell surrounding said tube bundle and spaced therefrom, a plurality of baffles transverse to said tube bundle and disposed at intervals longitudinally thereof, alternate baffles having openings at opposite sides for longitudinal passage of fluid within said shell, said baffles having slots in their outside edges, longitudinally extending rods residing in said slots outside of said tube bundle, spacers on said rods between said baffles and of a length substantially equal to the distance between baffles, and shrouds located between said baffles and adapted to substantially prevent transverse flow of said fluid in the space between said tube bundle and said shell, said shrouds being attached to said spacers for support of said shrouds.

2. In a heat exchanger, the combination of: a plurality of tubes for passage of fluid therethrough and forming a tube bundle, a shell surrounding said tube bundle and spaced therefrom, a plurality of baffles transverse to said tube bundle and disposed at intervals longitudinally thereof, alternate baffles having openings at opposite sides for longitudinal passage of fluid within said shell, said baffles having slots in their outside edges, longitudinally extending rods residing in said slots outside of said tube bundle, shrouds located between said baffles and adapted to substantially prevent transverse flow of said fluid in the space between said tube bundle and said shell, and means for supporting said shrouds on said rods.

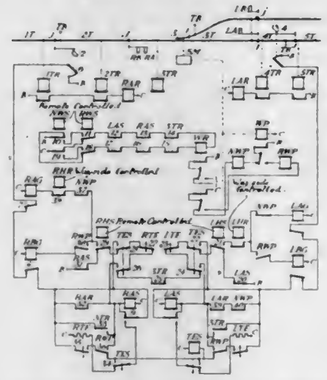
2,183,161
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 18, 1938, Serial No. 196,739
7 Claims. (Cl. 246—130)

5. In combination, a stretch of railway track intersected by a highway, a highway crossing signal located at such intersection and comprising two lamps each having a filament, a flasher relay, train actuated means for at times operating said flasher relay, operating circuit means governed by said flasher relay for alternately energizing each of said filaments to an illuminating condition and for alternately deenergizing each of said filaments to a darkened condi-



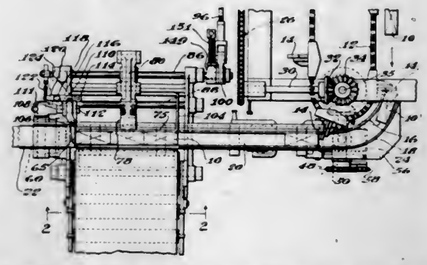
tion, checking circuit means governed by said flasher relay for alternately energizing each of said filaments during the darkened condition of said filaments, relay means interposed in said operating and checking circuit means, and indication means adapted to be controlled at times to indicate the integrity of said filaments when said relay means is continuously energized over said operating and checking circuit means.

2,183,162
RAILWAY TRAFFIC CONTROLLING APPARATUS
George A. Culbertson, Verona, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 29, 1938, Serial No. 222,015
9 Claims. (Cl. 246—161)



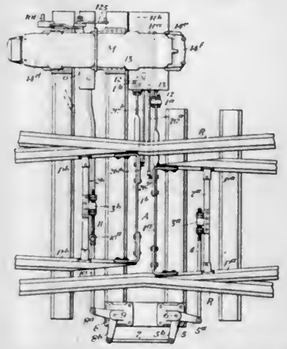
9. In combination, a first and a second stick relay, a thermal relay comprising a heating element, a normal contact closed only when said element is in its normal cooled condition, and a reverse contact which closes when said element is heated, means for energizing said heating element effective only if both stick relays are deenergized and said normal contact is initially closed, means for selectively energizing the first or second stick relay when said reverse contact closes to thereby deenergize said heating element, and means effective if said first stick relay becomes energized for energizing said second stick relay when said normal contact closes.

2,183,163
CARTON SEALING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application June 17, 1938, Serial No. 214,249
5 Claims. (Cl. 93—6)



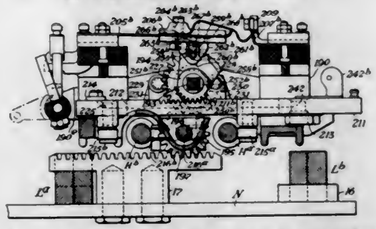
1. In a carton sealing machine, the combination with a dryer for applying and maintaining pressure upon the sealed ends of the cartons to firmly set the same, of a delivery belt for receiving the cartons, a stop member disposed transversely of the delivery belt against which the cartons come to rest to form a group thereof upon said delivery belt and a pusher plate movable transversely of the delivery belt and arranged to transfer the group thus formed into the dryer.

2,183,164
RAILWAY SWITCH OPERATING APPARATUS
William C. McWhirter and Edwin G. Little, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 17, 1937, Serial No. 148,706
27 Claims. (Cl. 246—242)



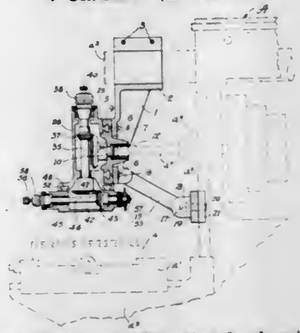
13. In a switch machine, in combination, an electric motor provided with a magnetic brake which automatically releases when the motor becomes energized, a hand-throw lever, manually operable means for selectively connecting the motor or the hand-throw lever with the switch machine to permit operation of the machine by the motor or the hand-throw lever, and means actuated by said manually operable means for releasing the brake during operation of the switch machine by the hand lever.

2,183,165
RAILWAY SWITCH OPERATING APPARATUS
William C. McWhirter and Edwin G. Little, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application June 17, 1937, Serial No. 148,706. Divided and this application November 19, 1938, Serial No. 241,471
30 Claims. (Cl. 246—253)



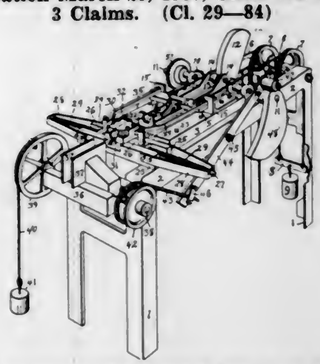
1. A circuit controller comprising a detector rod provided with a notch and movable between two extreme positions, a detector plate provided with two rollers one of which aligns with said notch when and only when said detector rod occupies one extreme position and the other of which aligns with said notch when and only when said detector rod occupies its other extreme position, said detector plate being movable to one extreme position in which said one roller enters said notch, to an intermediate position in which both rollers are out of said notch and to another extreme position in which said other roller enters said notch, yieldable means for moving said detector plate between its two extreme positions, and contacts controlled by said detector plate.

2,183,166
ATTACHMENT FOR MILLING OR OTHER MACHINES
Vincent Palumbo, Cleveland, Ohio
Application July 18, 1938, Serial No. 219,677
7 Claims. (Cl. 90—17)



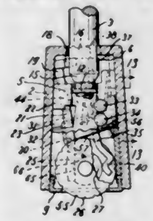
1. An attachment for standard milling machines or the like comprising a support connectible to a part of the machine, a shaft journaled therein and adapted to have driving connection with the spindle of the machine, a housing swiveled to the support on the axis of said shaft, a tool spindle journaled in the housing transverse said axis, constantly meshing driving connections between the shaft and tool spindle, means for attaching a tool to one end of the tool spindle, a second housing swiveled to the first mentioned housing on the axis of said tool spindle, a spindle journaled in the second mentioned housing, constantly meshing driving connections between the two spindles, and means for attaching tools to the opposite ends of the second mentioned spindle.

2,183,167
STRAP FERRULE AFFIXING MACHINE
Elmer J. Pickett, New Haven, Ind.
Application March 29, 1937, Serial No. 133,640
3 Claims. (Cl. 29—84)



1. A machine for affixing a ferrule on a handle, said machine being constituted of a frame upon which is supported a sliding drive-head provided with a butt-plate and cradle holder, a cradle removably disposed in said holder, a mechanism for automatically moving said drive-head to its rearmost position, a handle-centering device having automatically moved jaws shaped to provide, when in operative position, an opening therethrough for a handle, one of said jaws having on its rear end a stop-plate, a vise positioned on said frame ahead of said centering device including mechanism for automatically moving the jaws of said vise toward each other, another mechanism for causing opening movement of said vise, and a power-driven mechanism arranged to cause operation of said drive-head, centering device and vise in a definite sequence of operations.

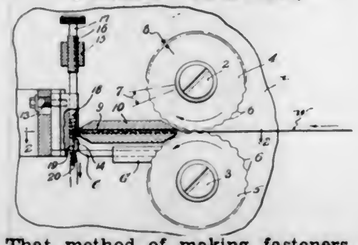
2,183,168
LOCK CONSTRUCTION
Kenneth H. Pond, Longmeadow, Mass., assignor to Bemis and Call Company, Springfield, Mass., a corporation of Massachusetts
Application February 21, 1939, Serial No. 257,596
14 Claims. (Cl. 70—25)



1. In a permutation lock, a securing element having an effective position, an ineffective position and an intermediate position, permutation members each provided with a lock controlling element and having a primary and secondary combination, primary and secondary locking elements controlled by said lock controlling elements and respectively adapted to hold said securing member in said effective position until

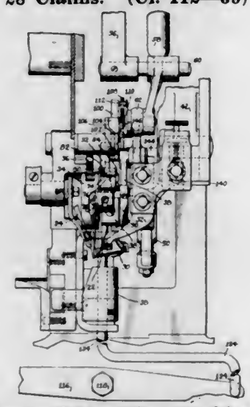
said primary combination is set and in said intermediate position until said secondary combination is set for the purpose described.

2,183,169
METHOD OF MAKING FASTENERS
George E. Prentice, Berlin, Conn., assignor to The G. E. Prentice Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application November 5, 1938, Serial No. 238,949
3 Claims. (Cl. 29—148)



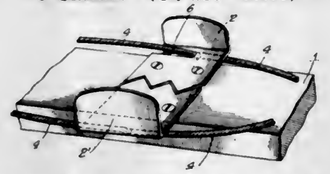
1. That method of making fasteners of the kind in which one series at least of fastener elements consists of consecutive convolutions of an open coiled spring which comprises as steps transversely crimping a length of wire to form a series of uniformly spaced undulations therein, the undulations being disposed in the same plane, each undulation being of a depth which equals the pitch of the desired coil and of a length which is an aliquot part of the circumference of the desired coil, and, so confining it as to prevent change in the plane, length or depth of its undulations, advancing the crimped wire longitudinally into tangential contact with a concavely curved rigid cylindrical surface whose axis is substantially parallel to the plane of said undulations, and deflecting the advancing wire axially of said surface thereby to cause it to follow a helical path and assume the form of the desired coil.

2,183,170
MACHINE FOR OPERATING ON SHOES
Edward Quinn, Brooklyn, N. Y., assignor to The Del-Mac Shoe Process Corporation, a corporation of New York
Application July 25, 1936, Serial No. 92,587
28 Claims. (Cl. 112—35)



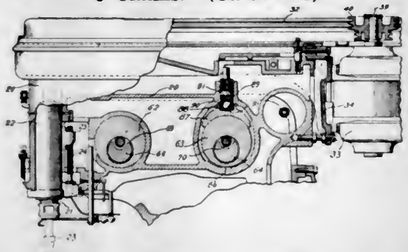
1. An inseam shoe sewing machine having, in combination, stitch forming devices, means for slashing the sewing rib of the sole of a shoe presented to said devices, and means for rendering the slashing means operative and inoperative during continued operation of the machine in sewing a seam.

2,183,171
SKI BINDING
Anfinn Refsdal, Lilleaker, near Oslo, Norway
Application March 28, 1938, Serial No. 198,569
In Norway August 15, 1936
3 Claims. (Cl. 280—11.35)



1. In a ski binding of the type comprising rigid toe irons and a flexible heel strap secured to the ski independently of said toe irons, the improvement consisting of a set of toe irons, each of said toe irons having along the inside of its lower vertical edge a channel for receiving said heel strap, said channel extending from the rear of said toe iron to at least midway between the rear and the front of said toe iron, said strap passing through said channel and along said toe iron in a substantially straight line.

2,183,172
UNIVERSAL DIE SINKER
John M. Rusnak, West Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Original application October 12, 1937, Serial No. 168,634. Divided and this application January 25, 1939, Serial No. 252,806
6 Claims. (Cl. 90—14)



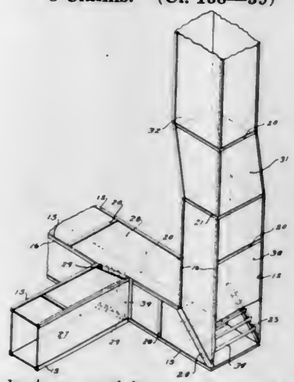
1. A die sinking machine comprising in combination, a base, a head having a tool spindle slidably and rotatably mounted therein, means for moving said head in a closed path while maintaining said spindle in parallel positions, a pair of spaced adjustable eccentrics for movably supporting said head in said base, said head having a bearing surface directly engaging one of said eccentrics, a pivotal member supported for limited movement within said head engaging the other of said eccentrics, and means to simultaneously rotate said eccentrics.

2,183,173
METHOD OF TREATING SALT AND RESULTING PRODUCT
Marnell Segura, Jefferson Island, La., assignor to Jefferson Island Salt Mining Company, Louisville, Ky., a corporation of Delaware
No Drawing. Application December 22, 1938, Serial No. 247,299
8 Claims. (Cl. 23—243)

1. A method of treating salt for the purpose

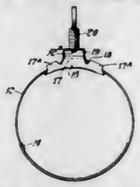
of preventing its hardening or caking consisting of adding to the salt an aqueous solution of sorbitol in an amount between approximately 1/50 of 1% and 5% by weight of the amount of the salt.

2,183,174
INSULATED DUCT CONSTRUCTION
Robert Wiley Smith, Columbus, Ga.
Application March 15, 1937, Serial No. 131,004
5 Claims. (Cl. 138—39)



2. A duct comprising wall members, corner brace means to assemble said wall members into duct form, and joint strips to connect the duct walls to divergent duct wall portions, and turning vanes connected to opposite joint strips and disposed to deflect the air currents at the joint.

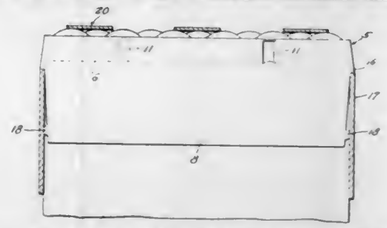
2,183,175
CLAMP
Benjamin A. Tetzlaff, Riverside, Ill.
Application February 12, 1937, Serial No. 125,423
2 Claims. (Cl. 24—19)



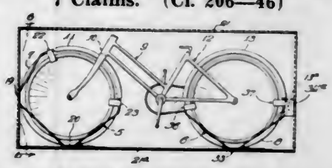
1. In a clamp including a single band of flexible metal bent into substantially circular form and having a portion thereof bent over a threaded nut, a tightening screw extending through a perforation in said band into threaded engagement with said nut, and a bridge actuated by said screw to tighten said band; said bridge comprising an arcuate base portion, a radially outwardly extending side wall formed integrally with opposite center portions of each of the side edges of said base, opposed pairs of deformable extensions formed on the ends of said side edge portions of said base on either side of said walls, said extensions of each pair being adapted to be bent towards each other over said base to lie in spaced relation to the top of said base and substantially concentric therewith.

2,183,176
ATTACHMENT FOR CRATES
William H. Tomme, Donna, Tex.
Application April 6, 1938, Serial No. 200,511
3 Claims. (Cl. 217—3)

1. An attachment for application to the center partition of a fruit crate, said attachment comprising a substantially U-shaped member adapted to straddle the partition, a member extending across the upper portion of the space between the legs of the U-shaped member for engaging the partition for holding the bight of the U-shaped member in spaced relation above the upper edge of the partition, shoulders on the ends of the legs of the U-shaped member and located an appreciable distance from the upper end of the U-shaped member, for engaging the upper edges of the sides of the crate, said ends of the legs sloping downwardly and inwardly from said shoulders to space said portions at the ends of the legs from the sides of the crate and projections on the sloping portions, adjacent the lower edges of the legs for frictionally engaging the inner faces of the sides of the crate to hold the U-shaped member in position.



2,183,177
INTERIOR PACKING DEVICE
Raymond H. Van Saun, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application May 26, 1939, Serial No. 275,779
7 Claims. (Cl. 206—46)



1. A bicycle package comprising a container, a bicycle frame within the container having at least one wheel assembled therein, and means for spacing the wheel from the container comprising an elongated strip of bendable sheet material having two or more spaced, aligned, elongated wheel-engaging apertures, said strip being provided with fold lines between adjacent apertures, whereby the strip may be bent to enable portions of the perimeter of the wheel to be engaged in each aperture.

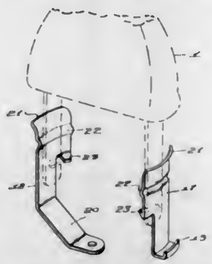
2,183,178
ANTIFREEZE SOLUTION
Ollie M. Williams and James W. Baker, Vandalia, and Benjamin F. Butler, Auxvasse, Mo.
No Drawing. Application June 13, 1938, Serial No. 213,532
1 Claim. (Cl. 252—5)

An antifreeze solution consisting of the reaction product of following ingredients in the following proportions:

Calcium chloride	pounds	20
Water	gallons	5
Glycerine	pints	5
Potassium iodide	ounce	1

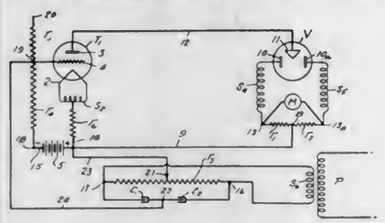
Strained juice of 4 lemons.

2,183,179
ELECTRICAL CONNECTOR
Estil Owen Allen, McHenry, Ky., assignor of one-half to Oscar Allen, McHenry, Ky.
Application April 11, 1939, Serial No. 267,265
1 Claim. (Cl. 173—343)



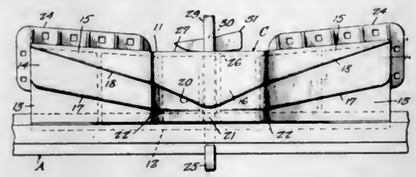
In an electrical connector, a pair of plug and socket members, respectively, adapted to mate in end-to-end engaging relation and relatively rotatable, and locking means for securing said members together operative under said relative rotation of the members and comprising a pair of resilient contact arms in the socket member extending along opposite sides thereof, respectively, and having free outer ends, a pair of lugs extending from said arms, respectively inwardly of said free ends thereof and laterally spaced from relatively opposite side edges of said members, and a pair of prongs extending from said plug for insertion between said arms, said prongs having edge slots of keyhole form therein for interlocking with said lugs under relative rotation of the members, said outer ends of the arms being transversely arcuate and of greater width than the remainder of the arms to provide for flush engagement of said prongs and arms when said slots and lugs are interlocked.

2,183,180
MEASURING INSTRUMENT
Job R. Barnhart, Lakewood, Ohio
Application June 18, 1937, Serial No. 149,008
4 Claims. (Cl. 175—183)



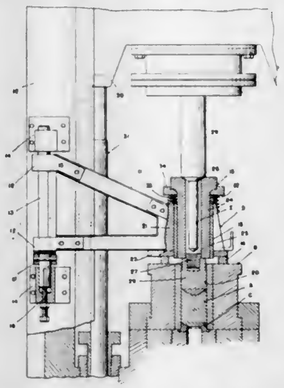
1. An electrical measuring instrument comprising, in combination, a vacuum tube having a grid, means for impressing upon said grid an alternating potential, and a plate circuit comprising branches in parallel relation, each branch containing means for producing pulsations alternating in said branches but all in the same direction, a meter and means connecting the same in such relation to said branches as to be affected by both but in opposite directions whereby to be responsive to the difference in magnitude between the currents in said branches, said first mentioned means including means for changing the phase angle between the grid potential and the plate circuit voltage.

2,183,181
CAR REPLACER
William B. Boone, Florence, S. C.
Application January 26, 1938, Serial No. 187,052
3 Claims. (Cl. 104—265)



1. In a replacer of the kind described, a pair of elongated block-like bodies for disposition, one at the inside of a track rail and the other at the outside of the said rail, each formed with a raised medial portion and reversely sloping portions at opposite sides thereof, steps in successive elevation relative to each other including treads and risers formed on said portions and converging toward a rail next to the side of one of said bodies and gradually diminishing in the direction of the said medial portion, a concaved area formed in certain of said steps and located at the medial portion inwardly to the remaining step, and a deflector nose formed at the remaining step and within the medial portion and directed toward the concaved area.

2,183,182
CENTERING DEVICE FOR EXTRUDING PRESSES
Guy H. Bradley, Pleasant Ridge, Mich., assignor to Wolverine Tube Company, Detroit, Mich., a corporation of Michigan
Application December 14, 1936, Serial No. 115,854
5 Claims. (Cl. 207—1)



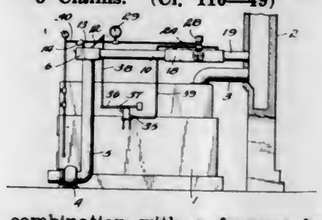
2. Apparatus for centering blanks in retainers of extrusion presses, comprising an arm hingedly mounted for swinging movement from an inoperative position to an operative position, an upsetting plunger carried by the arm in a position to register with the retainer in the operative position of the arm, a spacer element on said arm and engageable with the retainer to prevent cocking of the arm, said spacer element surrounding said plunger and being spaced radially therefrom, and means for moving the plunger into and out of engagement with the blank in the retainer.

2,183,183
APPARATUS FOR INDICATING EMPLOYMENT SCHEDULES
Dwight L. Burk, Columbus, Ohio
Application November 27, 1936, Serial No. 112,968
7 Claims. (Cl. 40—62)



1. A mechanism of the character described comprising a pair of panels, the first of said panels being formed with spaced rows of aligned slots, card holders positioned at the rear of said panel in registration with said slots, a masking strip positioned between each card holder and the slots in registration therewith, said masking strip being movable from one row to the other, a row of sockets in registration with the aligned slots in said rows, spaced rows of card holders positioned at the rear of said second panel, said second panel being provided with openings in registration with said card holders, a socket carried by said second panel adjacent each of the openings and numbered plugs removably received by said sockets.

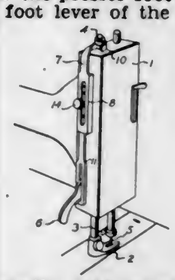
2,183,184
COMBUSTION CONTROL SYSTEM
George Josepth Byrne, Chicago, Ill.
Application October 5, 1936, Serial No. 104,085
5 Claims. (Cl. 110—49)



1. In combination with a furnace having a draft intake and a flue gas outlet, duct means outside the furnace connecting the flue gas outlet with the said draft intake, fan means in said duct means for drawing flue gases from the outlet and delivering the gases to the said intake, means controlled by the furnace for controlling the fan, said duct means including also an opening for receiving atmospheric air, which opening is located between the fan means and the flue gas outlet, a damper in said duct means for connecting the fan inlet selectively to the flue gas outlet or to the air receiving opening, means for supplying steam into said duct in advance of said fan, means for operating the damper to connect the inlet of the fan with the flue gas outlet, motor means dependent upon the supply of steam to said duct for operation of said damper operating means, and gravity operated means effective upon the non-operation of the motor means for closing the communication between the flue gas outlet and the portion of the duct means leading to the fan.

2,183,185
ATTACHMENT FOR SEWING MACHINES
Jessie Caudle, Fort Worth, Tex.
Application May 17, 1938, Serial No. 208,409
1 Claim. (Cl. 112—237)

A presser foot support for a sewing machine having a pair of longitudinally and slidably adjustable upper and lower members and means integral with the upper member for engaging the upper end of the presser foot bar of the said machine, said lower member having a vertical slot of greater length than the normal range of movement of the presser foot lever for receiving the presser foot lever of the said machine and



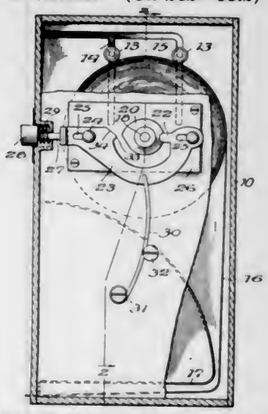
for supporting the said presser foot bar in suspension and allowing free upward movement of the said lever.

2,183,186
APPARATUS FOR LIFTING OR PROPELLING AIRCRAFT
Ernesto Dall'Asta, Lima, Peru
Application December 13, 1937, Serial No. 179,596
1 Claim. (Cl. 170—141)



An apparatus for elevating and propelling airships comprising a shaft disposed transversely of the longitudinal axis of an airship adapted to be rotated by the power plant, a plurality of blades fixed to said shaft, the surface of each blade extending parallel to said shaft and curving spirally from the end attached to said shaft to the free end, a cover partly enclosing said blades, said cover being semi-circular in shape, having plain lateral walls and projecting sigmoid-shaped edges about the opening.

2,183,187
CONTROL DEVICE FOR DISPENSING MECHANISM
Robert J. Freeman, Atlanta, Ga.
Application March 2, 1939, Serial No. 259,441
2 Claims. (Cl. 242—55.2)



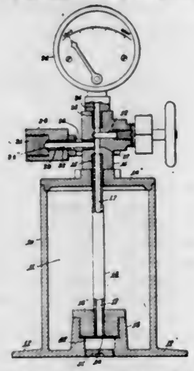
1. In a towel-dispensing mechanism having a rotatable towel-carrying roll, a revoluble shaft on which said roll is mounted, a cam disc mounted on said shaft, said disc having an eccentric periphery with a locking recess therein, a reciprocatory slide having integral projections with one of said projections normally engaging in said recess to lock the cam and shaft against rotation, said projection being disengageable from said recess by advance movement of the slide, and the other of said projections being engageable with the eccentric cam surface upon continued advance movement of the slide to initiate rotary motion of the cam disc and shaft and move said recess out of registry with said locking projection, said cam disc and shaft being completely rotatable to restore the recess in registry with said locking projection.

2,183,188
CURTAIN SUSPENSION HOOK
George Frederick French, Manchester, England
Application June 7, 1938, Serial No. 212,264
In Great Britain February 25, 1937
2 Claims. (Cl. 156—21)



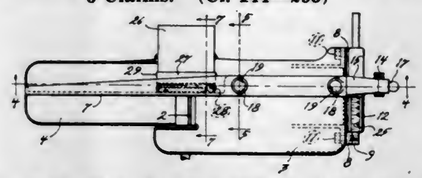
1. A curtain suspension hook comprising two substantially parallel legs, said legs for at least part of their length being substantially contiguous and being joined together to form a loop, said legs being adapted to contact with and grip a vertical line of attachment of a pair of curtain heading tape tubes to hold a curtain, a bent-over hook portion integral with said legs and adapted to lie directly on a curtain suspension means, said loop adapted to contact with a central line of attachment and serving as a support for said curtain.

2,183,189
HYDRAULIC NOZZLE TESTER
Frank L. Gormley, Chicago, Ill., assignor to The Buda Company, Harvey, Ill., a corporation of Illinois
Application February 28, 1939, Serial No. 258,972
5 Claims. (Cl. 73—51)



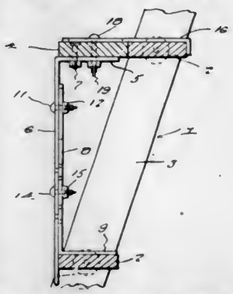
1. In a device of the class described, an enclosed oil reservoir, a tubular member extending upwardly therein with its upper end projecting through the upper wall of the reservoir and provided with a restricted passage therethrough, a valve member secured to the upper end of said tubular member and provided with a vertical passage therethrough and having a laterally extending threaded projection to receive a nozzle to be tested, said projection having extending therethrough a lateral passage communicating with the vertical passage of said valve, a pressure gauge surmounting said valve member and having a passage therefrom communicating with the vertical passage of said valve and adapted to be closed by said valve, and means for pumping oil from said reservoir to the interior of said tubular member.

2,183,190
JOINTER FENCE AND THE LIKE
Alvin Haas, Peru, Ill.
Application November 15, 1937, Serial No. 174,673
3 Claims. (Cl. 144—253)



1. In a device of the character described, the combination with a support, of a guide member, and means carrying said guide member on said support for angular adjustment relative thereto comprising a shaft mounted on said support and forming the axis of said angular adjustment and at least one stud member having longitudinal slide bearing engagements with said guide on opposite sides of said shaft and provided with a transverse bore disposed intermediately of the length thereof and engaged on said shaft.

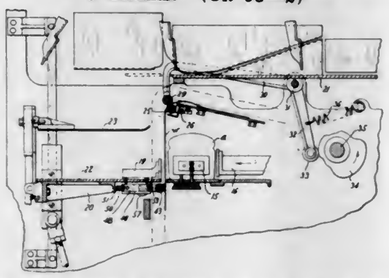
2,183,191
STEPLADDER ATTACHMENT
Walter C. Heidel, Oak Park, Ill.
Application September 30, 1938, Serial No. 232,653
1 Claim. (Cl. 304—10)



A stepladder attachment of the class described comprising a horizontal tread member adapted to be mounted in abutting engagement with a step of a ladder in the horizontal plane thereof in a manner to constitute an extension thereto, brackets depending from said tread member and including horizontally projecting upper end portions secured beneath said tread member, said brackets being adapted for abutting engagement with the front edge of a subjacent step of the ladder, legs mounted for vertical adjustment on the brackets, said legs having slots therein and further having spaced holes therein, bolts on the brackets engageable in the slots, additional bolts on the brackets selectively engageable in the spaced holes for securing the legs in adjusted position, said legs including horizontally projecting feet on their lower ends engageable on the

subjacent step of the ladder for supporting the tread member, and a plurality of pivotally and slidably adjustable hooks mounted on the said tread member and engageable over the first named step of the ladder for connecting said tread member thereto.

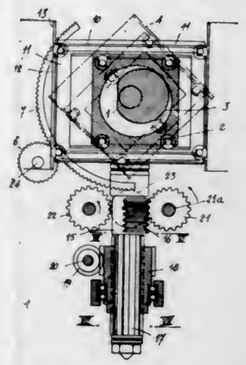
2,183,192
WRAPPER CONTROL FOR WRAPPING MACHINES
William Hoppe, Springfield, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application March 11, 1939, Serial No. 261,194
5 Claims. (Cl. 93—2)



1. In a wrapping machine of the type in which an article carrier reciprocates between spaced article loading and wrapping platforms and a wrapper is delivered between the loading platform and the carrier to be picked up by the article in transit to the carrier, and is circumferentially wrapped about the article as the article moves onto, with, and off the carrier; a stationary roll positioned on the loading platform side of the path in which the wrapper is delivered, a roll supported on the carrier adjacent the portion thereof which comes into alignment with the platforms, a movable roll, and means independent of the carrier to move the movable roll first from the wrapping platform side of the wrapper path into wrapper gripping contact with the stationary roll, the movable roll in said contact position being in position to be contacted with by the carrier supported roll during the motion of the carrier, and then to move the movable roll along a path substantially parallel with that of the carrier and in continued contact with the carrier supported roll.

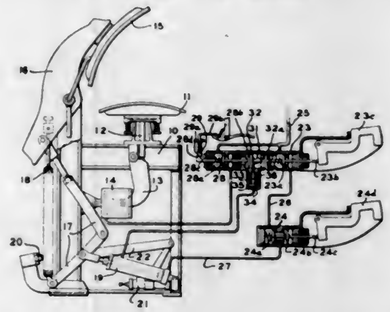
2,183,193
CHANGE SPEED GEAR
Marie Emile Louis Jules Husson, Asnieres, Seine, France
Application January 14, 1939, Serial No. 251,016
In France December 21, 1938
6 Claims. (Cl. 74—124)

1. A change speed gear comprising a driving shaft, a driven shaft and a plurality of identical elements arranged between said two shafts and transmitting the movement from the driving shaft to the driven shaft with change of speed, each of said elements comprising a first carriage, means whereby the driving shaft imparts to said first carriage a reciprocating rectilinear movement of constant amplitude, an orientable frame, guide tracks on said frame for guiding the movement of the first carriage in a variable direction, a second carriage having a reciprocating rectilinear movement, a fixed frame, guiding means on said fixed frame for guiding the movement of said second carriage in an invariable direction, means whereby the first carriage, when it moves in the direction determined by the orientation of the first frame, imparts to the second carriage a reciprocating movement in said invariable direction and with a variable amplitude dependent



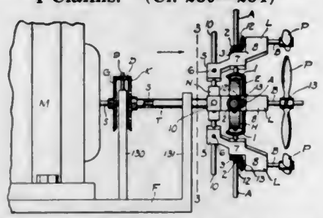
on said orietation of the first frame, means for modifying said orientation, and means for converting the reciprocating rectilinear movement of variable travel of the second carriage, into a rotary movement of variable speed which is imparted to the driven shaft.

2,183,194
CONTROL FOR PRESSING MACHINES
George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application May 17, 1937, Serial No. 143,085
5 Claims. (Cl. 38—25)



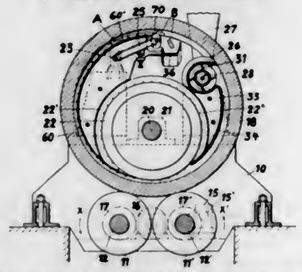
1. In a pressing machine, a pair of coacting pressing members, power means for causing relative approach movement of said members in two steps, a first step into a preliminary closed position and a second step into final closed position, two control members requiring coincidental actuation for controlling first step operation of said power means and spaced apart to require two hands of an operator for coincidental actuation thereof, one of said control members having an additional movement in the same direction beyond that necessary for causing first step operation, a control member for causing second step operation and operable by said additional movement, means normally disabling said additional movement against second-step control member operation, and means for enabling said additional movement upon the press parts reaching preliminary closed position.

2,183,195
MULTIPLE AIR PROPELLER
John S. Kane, Lowell, Mass.
Application February 6, 1939, Serial No. 254,850
4 Claims. (Cl. 230—254)



1. In a multiple propeller air control device, the combination with a frame including shaft bearings; of an inside driving shaft carrying a driving gear at one end and a driven gear at the other end; means to drive said shaft; an outside tubular driving shaft through which the first shaft passes, such tubular shaft carrying a second driving gear at one end and a radial shaft bearing hub at the other end proximate the driven gear, said tubular shaft being revoluble in said frame shaft bearings and carrying bearings for the inside driving shaft; an idle gear between the first and second driving gears; a plurality of radial shafts revolubly carried by and revoluble in the radial shaft bearing hub; an inner radial shaft gear carried by each radial shaft at its inner end and meshing with the driven gear; an outer radial shaft miter gear slidably and adjustably carried by each radial shaft near its outer end; a spider circumferentially adjustable on and carried by the tubular driving shaft and including radial arms; a plurality of bearing carriers, each including a collar at one end slidable and adjustable on each fixed radial arm, a medial bearing for a radial shaft and a propeller shaft bearing carried at its other end; a propeller shaft which is revoluble in and is carried by each propeller shaft bearing; a propeller shaft gear carried by each propeller shaft in engagement with a radial shaft miter gear; and a propeller adjustably carried by each propeller shaft.

2,183,196
ROTARY BLOCK PRESS
Heinrich Köhler, Gross-Ottersleben, Georgshohe, Germany, assignor to Fried. Krupp, Grusonwerk, Aktien-Gesellschaft, Magdeburg-Buckau, Germany
Application June 3, 1938, Serial No. 211,643
In Germany June 7, 1937
7 Claims. (Cl. 25—21)



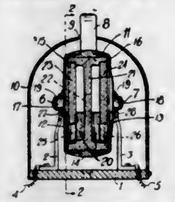
1. In a rotary block press, a frame, a mold ring rotatably supported in upright position by said frame, means for rotating said mold ring, a pressing roller excentrically arranged in said mold ring for cooperation therewith, means for feeding the material under treatment into the mold ring, a crescent shaped guide plate arranged inside the mold ring for cooperation therewith in spaced relation, and extending from adjacent the pressing roller to a point within the upper portion of the mold ring, and being spaced along its upper terminal end portion away from the inner periphery of the mold ring so as to support the blank on liberating itself and gravitationally descending out of the mold, and impact giving means for breaking the blank into pieces.

2,183,197
INNER AND OUTER ADJUSTABLE ARCH SHOE
Henry A. Kohlruss, Twin Falls, Idaho
Application June 13, 1938, Serial No. 213,508
1 Claim. (Cl. 36—71)



A foot arch and heel support for a shoe, comprising plates providing supporting members, one for disposal below the heel, one below the metatarsal arch and one below the longitudinal arch, the heel plate being of an outline similar to that of the heel of the shoe, the metatarsal arch plate being of elongated oval outline, and the longitudinal arch plate being of substantially circular outline, each plate having a flat undersurface and a convex upper surface, the latter providing a marginal feathered edge, means for individually raising and lowering the plates and the means for each plate including a sleeve mounted in an opening in the shoe centrally of and below its plate, the sleeve being interiorly threaded, an annular flange formed on the upper end of the sleeve, a ring nut threaded on the lower end thereof and cooperating with the flange for securing the sleeve to the shoe, said flange and nut being countersunk in the shoe, a screw member for each plate and having a beveled head embedded and swiveled in its plate, said screw member being threaded in the sleeve and having a kerfed lower end for receiving a tool, and a flexible member riveted to the plates and overlying the same.

2,183,198
MERCURY SWITCH
Alrik Civer Lindström, Stockholm, Sweden
Application June 8, 1937, Serial No. 147,093
In Sweden June 13, 1936
5 Claims. (Cl. 200—152)



1. A mercury switch, comprising a closed receptacle mounted for rocking movement between two end positions, two electrodes in said receptacle, a mercury mass in same in contact with said electrodes, an insulating wall between said electrodes rigidly connected with the receptacle, an

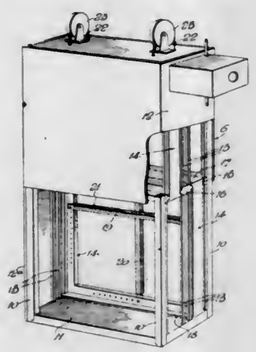
aperture in said wall adapted on the rocking movement of the receptacle to be located above the mercury level in one end position of the switch and under the mercury level in the other end position of the switch, an insulating wall between each of the electrodes and the first-mentioned wall, apertures in the last-mentioned walls located under the mercury level in both end positions of the switch.

2,183,199
PISTON RING
Vergil M. Lutz, Springfield, Ohio
Application October 9, 1937, Serial No. 168,229
8 Claims. (Cl. 309—45)



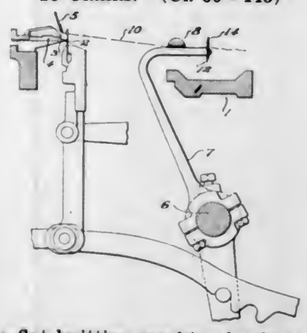
1. A piston ring having integrally formed spacing means bent from the inner edge thereof and overlying one side thereof, said spacing means being of less cross-sectional dimension than the cross-sectional dimension of said ring and lying at the side of the ring in a plane parallel therewith.

2,183,200
DRIER
John Miele, Jersey City, N. J.
Application April 6, 1938, Serial No. 200,467
2 Claims. (Cl. 34—40)



1. In a slidable-frame drier, a casing in which the drying operation is performed, two slidable frames for the articles to be dried, said frames being disposed in parallel planes, means for guiding one of said frames both into and out of said casing on one single path, means for guiding the other of said frames both into and out of said casing on another single path, means so connecting said frames with each other that said one frame automatically moves out of said casing on said one single path when said other frame is moved into said casing on said other single path and vice versa, and means for limiting the movements of said frames into and out of said casing.

2,183,201
FLAT KNITTING MACHINE
Otto Miller, Philadelphia, Pa., assignor to Kallo, Inc., New York, N. Y., a corporation of New York
Application March 16, 1937, Serial No. 131,166
In Germany April 11, 1936
16 Claims. (Cl. 66—145)

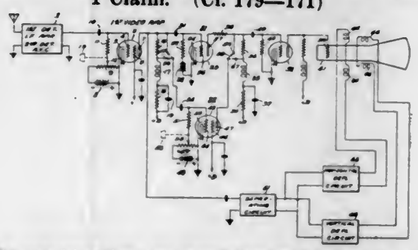


1. In a flat knitting machine having a series of spring beard needles movable as a unit with relation to a press edge, yarn feeding carriers and individually movable yarn measuring sinkers cooperating therewith, a device for securing the loose end of a feeding yarn for the laying of the yarn by the carrier, said device having means yieldable under the influence of an increase in the tension on said secured portion of the yarn to permit that portion of the yarn leading from said device to follow freely the forward and back movements of the needles and fabric produced thereby.

2,183,202
PROCESS FOR OBTAINING COPPER LININGS
Paolo Misciattelli, Rome, Italy
No Drawing. Application June 7, 1937, Serial No. 146,974. In Italy July 1, 1936
2 Claims. (Cl. 91—69.1)

1. The process for the production of copper linings for the manufacture of copper mirrors, coppered silvered mirrors and the like, comprising precipitating metallic copper in the cold by reduction with a reducing agent consisting of formaldehyde in the presence of silver from a solution consisting of caustic soda, gum arabic, a cuprotartrate, and water.

2,183,203
HIGH FREQUENCY AMPLIFIER
Waldemar J. Poch, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 28, 1936, Serial No. 71,364
1 Claim. (Cl. 179—171)



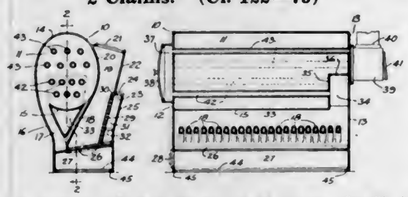
In combination, an amplifier tube having a grid circuit and a plate circuit and adapted to amplify signals comprising components covering a wide frequency range, a plurality of amplifier channels each having an input circuit coupled to said plate circuit, one of said amplifier channels including an amplifier tube having a plate circuit which includes a peaking coil and a plate resistor in series with said resistor located between said coil and the plate of said tube, the other of said amplifier channels including an amplifier tube having a plate, and means for connecting said plate to the junction point of said coil and said resistor whereby the outputs of said amplifier channels add with the second amplifier channel amplifying the high frequency components more than the lower frequency components.

2,183,204
ELECTRO-OPTICAL SYSTEM
Frederick W. Reynolds, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 29, 1937, Serial No. 145,441
7 Claims. (Cl. 95—81)



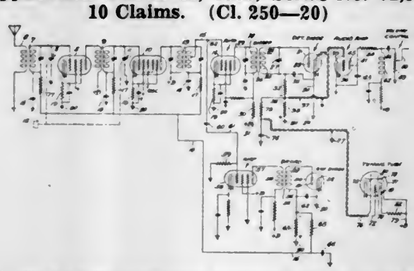
1. The method of preparing a variable density screen for photomechanical reproduction purposes comprising the steps of exposing a photographic film in adjacent parallel elemental strips element by element lengthwise of each strip and the different strips in succession so that the exposure is the same throughout the length of each strip but varies transversely of the strip, and similarly exposing the film in adjacent parallel elemental strips extending in a direction transverse to the first mentioned strips.

2,183,205
BOILER
William Robitzek, City Island, and Leonard J. Bachler, New York, N. Y.
Application March 8, 1939, Serial No. 260,474
2 Claims. (Cl. 122—75)



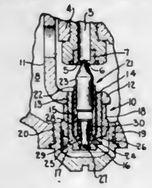
1. A boiler of the down and cross draft type consisting of a casing having a water chamber at its top, a water leg at one side thereof downwardly extending therefrom, a series of inclined water tubes connecting the lower part of the said water leg to the bottom of the said water chamber at the other side thereof, a fuel reservoir alongside said other side of the chamber having a charging inlet at its top and an air inlet at its side, the outer walls of the said casing extending to the floor, short fire tubes and long return fire tubes through the said water chamber and in communication with each other and a combustion chamber within the casing below the said water chamber, the said casing having a stack outlet in communication with the said return fire tubes, all formed in a unitary structure of sheet metal having welded joints, a series of bottom grates in spaced relation to the floor extending laterally between the bottom of the water leg and the opposite outer wall of the casing, and a series of vertical grates in spaced relation to the said last mentioned outer wall and defining an air chamber therewith extending from adjacent the said air inlet to the said bottom grates, the outer walls of the said fuel reservoir and the said air chamber being a continuous sheet of metal and part of the said outer walls of the casing.

2,183,206
RESONANCE TUNING INDICATOR SYSTEM
Fred B. Stone, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 28, 1936, Serial No. 71,374
10 Claims. (Cl. 250—20)



1. In a radio receiving system, means providing a main tunable signal channel including a signal detector circuit, and an audio frequency amplifier connected therewith, automatic volume control means for said system including a separate signal amplifying channel more broadly responsive to signals than the detector circuit and connected with said first named channel preceding the detector, tuning indicator means having a control grid connected with the said signal detector circuit to receive at least a portion of the direct current output voltage therefrom as a biasing potential, and filter means in said grid connection for preventing the audio frequency signal component from being applied to said grid.

2,183,207
VALVE STRUCTURE
Daniel D. Wile, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 2, 1936, Serial No. 77,485
8 Claims. (Cl. 251—44)



1. In a valve structure, a member having a port, a valve carrier movable toward and from said port and having a socket facing said port, a valve member having a hollow portion and being laterally movable in and extending from said socket, said socket being elongated so that said valve member is limited in its lateral movement by the side walls of said socket, a converging internal wall portion at the inner end of said socket and facing said port, the inner end portion of said valve member engaging said wall por-

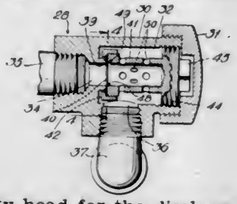
tion and being constructed and arranged for universal movement relative to said valve carrier, a spring carried within and by said valve member, and means to transmit the force of said spring to said valve carrier so that said spring holds said inner end portion of said valve member in frictional engagement with said wall portion, regardless of the relative positions of said valve carrier and said port.

2,183,208

SAFETY SEALING MEANS FOR FIRE EXTINGUISHING SYSTEMS

Scott E. Allen, Glen Ridge, and John Elmer Rennert, Springfield, N. J., assignors to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Application December 28, 1936, Serial No. 117,868
10 Claims. (Cl. 169—11)



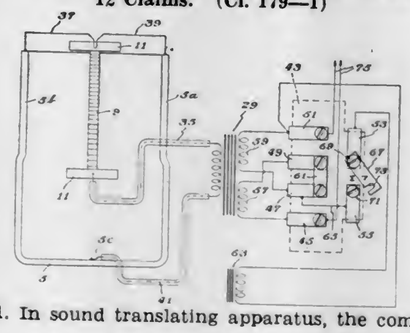
4. A safety head for the discharge line of fire extinguishing fluid under pressure, said safety head comprising a casing formed with a fluid chamber having an inlet port and an outlet port, a carrier movable within the chamber toward the inlet and having threaded engagement with the casing, said carrier having a tubular stem, a disk for closing the inlet port, said disk being removably mounted on the free end of the stem, and means for screwing the carrier into the chamber to clamp the disk against the inlet port, said disk being rupturable by the pressure of said fluid, said stem being perforated to release the fluid to the outlet port when the disk is ruptured, said stem providing a sharp corner extending through an arc of more than 180 degrees and forming a line of cleavage along which the disk will rupture, forming a flap, said sharp corner being interrupted by a rounded corner of sufficient extent to leave a hinge connection between the flap and the disk.

2,183,209

ELECTROACOUSTICAL APPARATUS

Leslie J. Anderson, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1936, Serial No. 103,405
12 Claims. (Cl. 179—1)



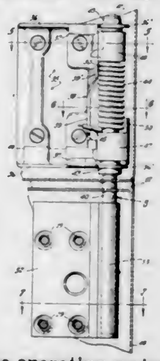
1. In sound translating apparatus, the combination of a vibratible element having a predetermined response characteristic tending to accentuate base frequencies when actuated by a small sound source in close proximity thereto, an output transformer having its primary winding connected to said element, a compensating reactor for attenuating said base frequencies, a terminal board, the secondary winding of said transformer and said reactor each having leads connected to said terminal board, and means on said terminal board for connecting said reactor at will across at least a portion of said secondary winding for altering the response characteristic of said apparatus.

2,183,210

HINGE

Lloyd Anderson, Grand Rapids, Mich., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware

Application April 27, 1937, Serial No. 139,130
12 Claims. (Cl. 16—189)



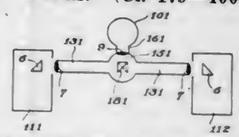
1. In a reverse operating spring hinge, a spring arranged on a pintle for tensioning in opposite directions by application of opposite turning forces to one or the other of its ends, means arranged to prevent movement of either end of the spring when a turning force is applied to the opposite end, and spring-engaging means arranged in circumferentially offset relation around said pintle for engagement with corresponding opposite ends of the spring when the pintle is turned in opposite directions, said ends of the spring being offset with respect to each other in a circumferential sense around the pintle and with respect to the offsetting of said spring-engaging means in such manner that said pintle may be turned predetermined amounts in opposite directions before said spring will be tensioned in either direction.

2,183,211

SOUND MOTION PICTURE APPARATUS

George Baldwin Banks, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application December 16, 1937, Serial No. 180,118
In Great Britain February 11, 1937
2 Claims. (Cl. 179—100.3)



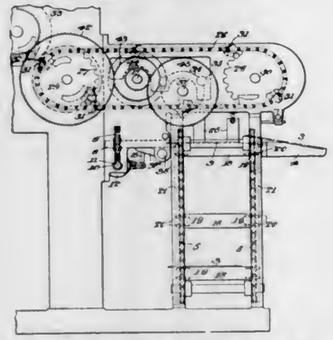
1. Photophonographic apparatus comprising two sound heads each provided with a housing, a tubular housing connecting said sound head housings, means in each of said sound heads for directing light beams from said sound heads into said tubular housing, a subsidiary housing connected to said tubular housing and adapted to enclose a photoelectric device, and a reflector in said tubular housing where it is joined by said subsidiary housing, said reflector being rotatable into either of two positions whereby light projected from either one of said sound heads may be selectively directed into said subsidiary housing.

2,183,212

SHEET DELIVERY FOR PRINTING PRESSES

Howard M. Barber, Pawcatuck, Conn., and Hans J. Luehrs, Westerly, R. I., assignors to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application December 21, 1938, Serial No. 246,966
11 Claims. (Cl. 271—88)



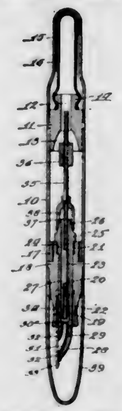
1. In a sheet delivery for printing presses, means for forwarding the sheets and depositing them in a pile, removable delivery platforms, insertable plates serving of themselves to divide the pile into sections, and means for depositing successive plates, each with its pile section, onto successive delivery platforms for removal thereby, without stopping the press.

2,183,213

FOUNTAIN PEN

Bert Carlisle, Santa Ana, Calif.

Application April 13, 1938, Serial No. 201,745
7 Claims. (Cl. 120—48)



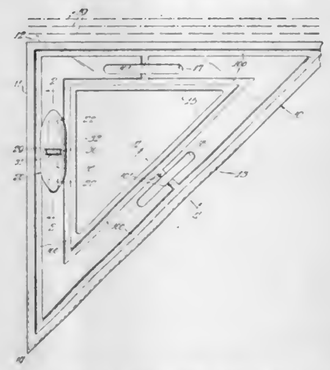
1. In a fountain pen, a body provided with an ink reservoir, a tubular feeder stem projecting from one end of said body, a pen point positioned upon the projecting end of said feeder stem, a gravity actuated tube arranged for longitudinal movement within the pen body and extending into said tubular feeder stem and valvular means carried by said tube and adapted to close the end of the feeder stem that communicates with the ink reservoir in the body of the pen.

2,183,214

MEANS FOR DRAWING PARALLEL LINES

Harold L. De Lisle, Two Rivers, Wis.

Application January 21, 1938, Serial No. 186,184
2 Claims. (Cl. 33—110)



1. In a device of the class described, the combination with a draftsman's triangle or the like, having a relatively narrow elongated slot therein, of a member separable therefrom of greater area than said slot superposed thereabove within the area of the triangle and having a pair of feet receivable in said slot and projecting below the lower face of the triangle and means carried by the member for extending or contracting the distance between the said feet within the limits of said slot, said member being of somewhat heavy beetle-like formation extending well above said triangle to be readily grasped by the draftsman.

2,183,215

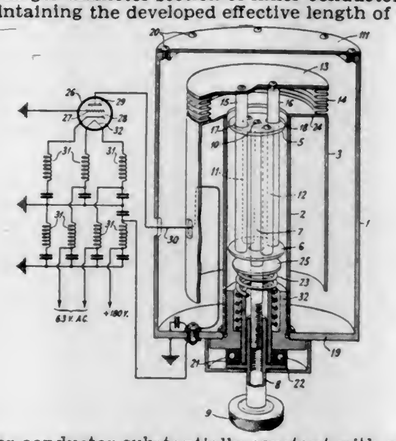
LINE RESONATOR AND ELECTRON DISCHARGE DEVICE CIRCUIT THEREFOR

Orville E. Dow, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 29, 1937, Serial No. 133,614
10 Claims. (Cl. 250—36)

1. A concentric line resonator having an inner and an outer conductor secured together at one of their adjacent ends, said inner conductor having two hollow sections of different diameters conductively coupled together, the larger diameter section being folded back over the smaller diameter section for more than half the length of the smaller diameter section, whereby the electrical length of said line reasonator is increased without increasing its physical length, the smaller diameter section being secured to said outer conductor at one end and to the larger diameter section at the other end, and means within the smaller diameter section, supported at said one end, and extending over a substantial portion of the length of said smaller diameter section of inner conductor and being folded back to extend also over a substantial portion of the length of

the larger diameter section of inner conductor for maintaining the developed effective length of said



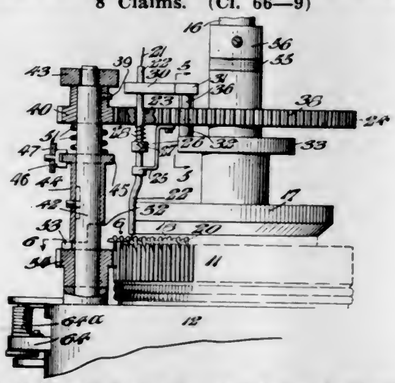
inner conductor substantially constant with variations in temperature.

2,183,216

KNITTING MACHINE

Arthur W. Ehlert and Thurston R. Fouts, Acworth, Ga., assignors to Unique Knitting Company, Acworth, Ga., a corporation of Pennsylvania

Application June 8, 1937, Serial No. 147,014
8 Claims. (Cl. 66—9)



1. A thread laying in mechanism for knitting machines having a dial, a set of dial needles, a set of cylinder needles, a rotatable cam box, stationary cylinder, and yarn feed, comprising a guide for an auxiliary thread arranged to lay its thread between said dial needles and said cylinder needles, means including a clutch for causing said guide to rotate about said stationary cylinder, and means for throwing said clutch in and out of engagement to rotate said guide one revolution and lay one length of auxiliary thread in the fabric being knitted.

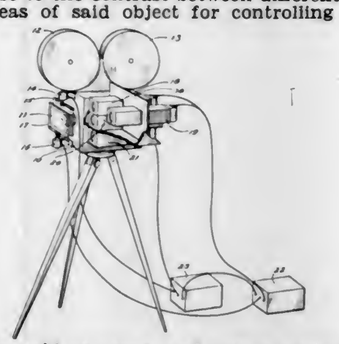
2,183,217

PRODUCTION OF STILL OR MOTION PICTURES

Alfred N. Goldsmith, New York, N. Y.

Application March 9, 1935, Serial No. 10,181
18 Claims. (Cl. 95—10)

1. The combination of means operable to expose a light sensitive surface to an object to be photographed, and means adapted to be operated in response to the contrast between different selected areas of said object for controlling the



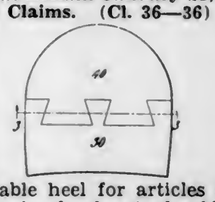
contrast in said exposure, and means controlled by the contrast between said areas for actuating said controlling means.

2,183,218

DETACHABLE HEEL

Bertram Tom Hewson, North Kensington, London, England

Application June 3, 1938, Serial No. 211,525
In Great Britain January 23, 1936
5 Claims. (Cl. 36—36)



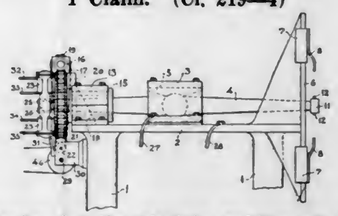
1. A detachable heel for articles of footwear, comprising a pair of vulcanized rubber pads together adapted to cover the heel, each of said pads being provided on its inner side with a recess leaving an undercut rim for holding the pad in position and having at its edge adjoining the edge of the other pad a plurality of dovetailed projections adapted to interlock with the projections of the other pad, said projections being provided with mutually bevelled surfaces.

2,183,219

DEVICE FOR ELECTRIC WELDING

Henrik Frederik Moldrup Hollesen, Copenhagen, Denmark

Application April 21, 1938, Serial No. 203,314
In Denmark April 24, 1937
1 Claim. (Cl. 219—4)



A device for the electric welding of annular joints, comprising a stationary electrode to be applied to the outside of the joint, a rotary member to project into the joint, two electrodes projecting radially from said rotary element in diametrically opposite directions towards the inner periphery of the joint, means to supply said electrodes with welding current, means to rotate said

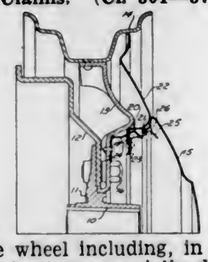
rotary member in said joint, and means controlled by said rotating means to impart a radial reciprocation to said member, to alternately press one and the other of said two radially projecting electrodes against the inner periphery of the joint.

2,183,220

VEHICLE WHEEL

Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application July 8, 1935, Serial No. 30,260
2 Claims. (Cl. 301—37)



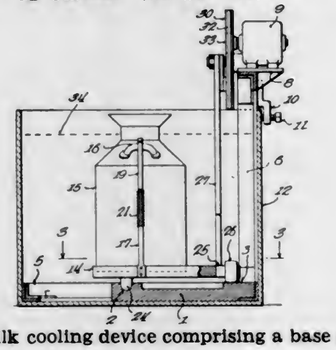
1. A vehicle wheel including, in combination, a wheel body having an axially dished central portion constituting a radially extending bolting on flange, a plurality of spring clips secured to the bolting on flange in circumferentially spaced relation to each other and arranged equidistant from the axis of the wheel, a cover plate arranged to conceal the wheel body radially outwardly of the bolting on flange and provided with an opening for the reception of each of said spring clips whereby to detachably connect the cover plate to the wheel body, the central portion of the cover plate being axially dished to nest within the axially dished central portion of the wheel body and being provided with a plurality of additional spring clips, said additional spring clips being circumferentially spaced from each other and each being spaced from the axis of the wheel the same distance as the first mentioned spring clips, and a hub cap for concealing the bolting on flange and all of said spring clips, said hub cap having a peripheral flange of a diameter adapting it for snap on engagement with the spring clips carried by the cover plate.

2,183,221

COOLING DEVICE FOR LIQUIDS

Emil W. Krug, Manitowoc, Wis.; A. J. Kempfert, Manitowoc, Wis., administrator of Emil W. Krug, deceased

Application August 25, 1938, Serial No. 226,623
11 Claims. (Cl. 257—75)



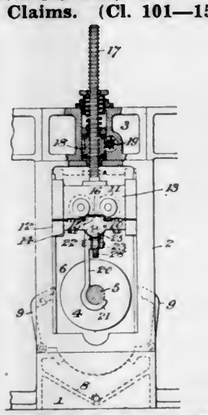
2. A milk cooling device comprising a base portion, a milk can supporting member journalled on said base portion, means carried by said supporting member for detachably locking a milk can to said member, power means, and a rocking member connected to said supporting member and operatively connected to said power means for rocking said supporting member, said rocking member being connected off center with respect to said supporting member and said supporting member having a limited rotary motion about an approximately vertical axis.

2,183,222

INTAGLIO PRINTING PRESS

Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Original application May 27, 1937, Serial No. 145,111. Divided and this application October 8, 1937, Serial No. 168,017
2 Claims. (Cl. 101—153)



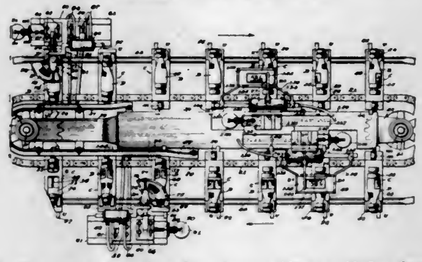
1. In an intaglio printing press unit, a base, an ink fountain therein, side frames uprising from the base, bearings in said frames, a design cylinder, its shaft removably mounted in said bearings, ink fountain cover members hinged on said base and coacting with the cylinder to close the fountain, and means imparting a vertical movement to the cylinder shaft for removing from or inserting the shaft in said bearings when the cover members are opened.

2,183,223

STENCILING APPARATUS

Lawrence O. Mankin and Leonard D. Soubier, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application April 30, 1938, Serial No. 205,264
17 Claims. (Cl. 101—124)



1. In an apparatus for decorating articles having curved surfaces by a stenciling process, dec-

orating instrumentalities for applying decorations to the articles in a decorating zone including a reciprocable stencil screen and a relatively stationary squeegee therefor, means for reciprocating said stencil screen, means for continuously and successively moving a series of articles through said zone, and means for bodily moving said decorating instrumentalities in decorating relation to the articles passing through the zone.

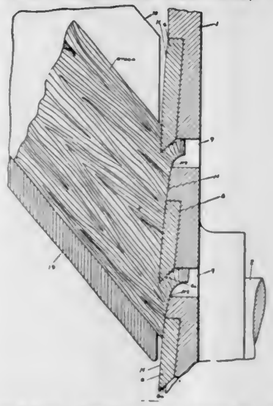
2,183,224

SHREDDING DEVICE

Sigurd Norman, Portland, Oreg., assignor to Pulp-Paper Machines, Ltd., Portland, Oreg., a joint tenancy composed of said S. Norman, A. C. Littig, and R. L. Hanson

Application December 14, 1937, Serial No. 179,683

9 Claims. (Cl. 144—176)



1. A shredding device comprising a disc-like member that is mounted for rotation, shredding bits radially mounted on the disc with their cutting edges in spaced position in advance of the face of the disc, means for feeding material to the bits and means for passing shredded material to a point of disposal, the said bits being characterized by being provided with helicoidally receding external surfaces of uniform pitch back of their edges, whereby the feed advance of material to be shredded is uniform from end to end of the bits.

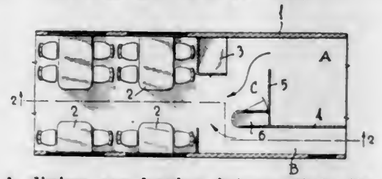
2,183,225

DINING CAR CONSTRUCTION

John William Patton, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 7, 1937, Serial No. 135,450

2 Claims. (Cl. 105—327)



1. A dining car having intermediate its side walls the usual longitudinal aisle, a kitchen at one end of the car, a first passageway located between a side wall of the kitchen and side wall of the car for passengers, a second passageway extending from the opposite side of the kitchen through its end wall for waiters, said passageways leading into the end of said aisle adjacent the kitchen, and a barrier in the form of an elongated, relatively narrow cabinet extending from the end wall of the kitchen longitudinally of the car between said passageways, one side of said cabinet constituting in effect a substantial continuation of said side wall of the kitchen adjacent said first passageway and having a transparent superstructure through which persons about to emerge into the aisle from said respective passageways may see each other.

2,183,226

SIZING OF TEXTILE MATERIALS

Herbert Rein, Leipzig, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 11, 1937, Serial No. 120,045. In Germany January 17, 1936

6 Claims. (Cl. 91—68)

3. In the process of sizing materials, the improvement which comprises impregnating said textile materials with an aqueous solution of a water-insoluble resin containing carboxylic acid groups made soluble in water by treatment with an excess of a concentrated solution of a compound selected from the group consisting of urea, thiourea and methylurea, the ratio of said resin by weight to said concentrated solution by volume being about 1:about 6 to 12 and the ratio by weight of said resin to said urea in said concentrated solution being about 1:about ½ to 2.

2,183,227

OIL PAINT FOR WET SURFACES

Herman A. Scholz, Oak Park, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 24, 1936, Serial No. 86,985

3 Claims. (Cl. 134—39)

3. A water-in-oil stable homogeneous paint emulsion containing a minor amount of water, a major amount of drying oil relative to the amount of water, a pigment, and a water-insoluble zinc compound selected from the group consisting of zinc oxide, leaded zinc oxide, zinc hydroxide, zinc carbonate and precipitated zinc carbonate in an amount to maintain the ingredients of the paint in stable condition.

2,183,228

SYSTEM FOR STARTING AND OPERATING GASEOUS DISCHARGE DEVICES

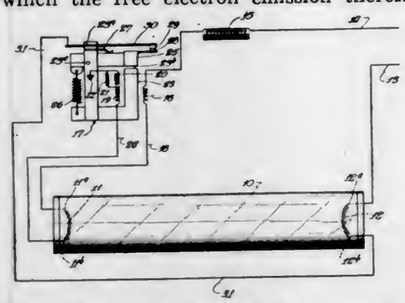
Joseph G. Sola, Oak Park, Ill., assignor to Sola Electric Co., Chicago, Ill., a corporation of Delaware

Application March 10, 1939, Serial No. 260,932

12 Claims. (Cl. 176—124)

1. In a system of the class described; the combination of an electric gaseous discharge device having a cathode adapted to emit electrons when heated; circuit means connected with two supply lines for initially heating said cathode to a temperature at which the free electron emission therefrom will support the normal discharge current and then for supplying the operating current thereto; said circuit means including an electromagnetic switch having a holding coil in series with said cathode in one of said supply lines and a neutralizing coil between said cathode and the other supply line, and means for opening the switch and cutting out the neutralizing coil when

the temperature of the cathode reaches the point at which the free electron emission therefrom



will support the normal discharge current, the holding coil operating to hold the switch open during the discharge through the device.

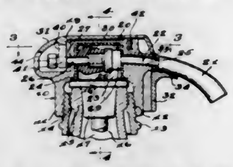
2,183,229

SIPHON HEAD

Leonard D. Soubier, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application October 14, 1937, Serial No. 169,001

9 Claims. (Cl. 215—5)



7. A siphon head comprising a casing, a spout formed on the casing and extending laterally therefrom, an annular depending attaching flange forming a part of said casing adapted to engage the neck of a siphon bottle, said casing further provided with a cylindrical chamber in axial alignment with said flange and extending upwardly substantially above the spout, said chamber forming a communicating passageway between the bottle and spout, a liner for said spout and chamber formed of a non-corrosive material, a valve for controlling the flow of liquid through the chamber comprising a stem extending through one wall thereof in horizontal alignment with the spout, a head on said stem, compressible means on said stem between the head and wall of the chamber for maintaining said head in closed position over the opening of the spout, said means further acting as a gasket for the stem, a cover enclosing the upper half of said casing and with the casing forming a cavity around the outer end of the valve stem, a substantially semi-circular depending apron on that end of the cover adjacent the spout, said apron having an aperture through which the spout projects, and means formed on the cover for operatively engaging the outer end of the valve stem within the cavity.

2,183,230

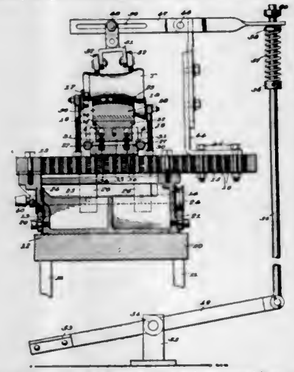
TUMBLER DECORATING APPARATUS

Jesse H. Treece, Harry L. Whitney, and Henry W. Schneider, Toledo, Ohio, assignors to Libbey Glass Company, a corporation of Ohio

Application November 4, 1937, Serial No. 172,654

3 Claims. (Cl. 101—38)

3. In an apparatus for printing on the surfaces of tumblers, a tumbler support adapted to loosely receive thereon a tumbler to be decorated including means for maintaining the tumbler freely rotatable about a horizontal axis, a reciprocable carriage movable beneath said support in a horizontal path, a cradle on said carriage, a mounting yieldingly supported in the cradle for vertical movement with respect thereto, means preventing lateral shifting of the mounting with respect to the cradle, a printing pad on said mounting, said



pad being adapted upon reciprocation of the carriage to engage the tumbler tangentially, means for reciprocating said carriage, and means movable into and out of tangential rolling line engagement with the tumbler on the support for preventing dislodgment of the tumbler from the support when contacted by the printing pad.

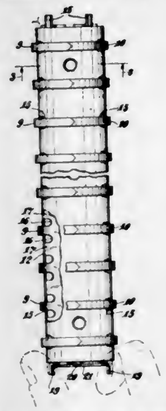
2,183,231

LOOSE-LEAF BINDER

Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York

Application November 16, 1938, Serial No. 240,655

2 Claims. (Cl. 129—24)



1. A loose-leaf binder, comprising toggle plates engaging on a common toggle center, said plates being mounted for rocking movement and carrying cooperating ring forming elements, finger levers projecting each from a plate at one side of the toggle center to the opposite side of said toggle center in crossed overlapping relation and having finger grips at the ends of the same spaced in the closed position of the ring forming elements so that the plates may be rocked to the open ring position by pinching said spaced finger grip ends of the crossed finger levers toward each other, the crossing portions of said finger levers having abrupt locking shoulders located intermediate the finger grip ends and the points of

attachment of said levers to the plates and disposed to register in the position of said levers in the ring closed position of the toggle plates, one of said locking shoulders being offset from the general plane of the lever carrying the same into the plane of the locking shoulder on the other lever to thereby stand in opposition thereto in the closed condition of the rings and said finger levers being sufficiently yieldable to enable clearance of one locking shoulder from the other being effected by relative twisting movement applied to the finger grip ends of the levers as a preliminary to the pinching action required to impart ring opening movement to the toggle plates.

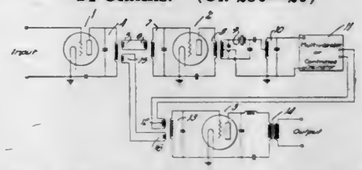
2,183,232

ELECTRICAL WAVE RECEIVING SYSTEM

Donald A. Wilbur, Troy, N. Y., assignor to American Industrial Research, Inc., Albany, N. Y., a corporation of New York

Application August 18, 1938, Serial No. 225,533

14 Claims. (Cl. 250—20)



1. In a device for receiving modulated signal energy which at least initially comprises carrier and side components, the combination with means for creating a first carrier wave, of means for creating by employing components derived from the received signal and said created carrier wave a second carrier wave, means for combining said second carrier wave and the received signal whereby to produce a resultant signal comprising side components of the character of those of the received signal but in which its carrier of the frequency of said created, first carrier wave may be absent and means for combining said resultant signal and said first carrier wave.

2,183,233

VEGETABLE SIZING APPARATUS

William J. Zink, Birmingham, Ala., assignor to Mathews Conveyer Company, Ellwood City, Pa., a corporation of Pennsylvania

Application August 11, 1937, Serial No. 158,563

2 Claims. (Cl. 209—84)



1. A sizing apparatus comprising a plurality of similar units adapted to be used in connected series, each unit including a rectangular framework having an upright at each corner thereof and horizontally disposed and upwardly inclined bracing members secured to the uprights and extending longitudinally of the unit, an inclined endless sizing belt carried by said framework and extending upwardly from the receiving end toward the discharge end thereof, a driving roller for the endless belt rotatably mounted on the framework, side panels positioned, one along each side of the upper run of said sizing belt and secured to the inclined bracing member and each panel extending beyond the upper discharge end of said sizing belt with a part circumferential cut out portion extending around a part of the periphery of the driving roller, and means arranged between the upper and lower runs of said sizing belt for discharging the articles passing through said belt, said unit having means whereby the two uprights at the receiving end of one unit are in contact with and secured directly to the two uprights at the discharge end of a second unit, and the forwardly projecting ends of the side panels of said second unit engaging with the side panels of the first unit and the side panels of adjacent units being in substantial alignment, thereby to provide a multiple unit separator.

2,183,234

OIL RESISTANT COMPOSITION

William H. Butler, Palisades Park, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 22, 1936, Serial No. 117,148

4 Claims. (Cl. 260—43)

4. Composition suitable for coatings resistant to oils and greases comprising about 2 parts of an oil processed to a Saybolt viscosity at 200° F. of 75 to 600, and having dispersed therein about 1 to 4 parts of a resinous component comprising from 1.5 to 5 parts of a thermoplastic resin selected from the group of oxidized resin acids, coumarone resins and novolaks, to 1 part of a heat-convertible resin prepared from a phenol having a hydrocarbon substituent in the ortho or para position and reacted with an aldehyde in the presence of an alkaline compound in catalytic proportions of one-fifth mol or less for each mol of the phenol, said composion softening at a temperature of 175 to 200° F. or above to a condition suitable for coating.

2,183,235

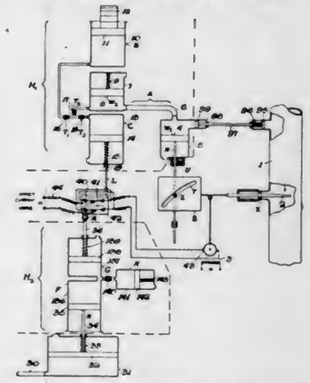
AUTOMATIC CONTROL OF VARIABLE PHYSICAL CHARACTERISTICS

Albert Callender and Allan Brown Stevenson, Northwich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

Application March 3, 1936, Serial No. 66,974

In Great Britain March 8, 1935

25 Claims. (Cl. 236—1)



1. Automatic control apparatus comprising an indicator of a physical property to be controlled, compensating means operable to maintain the desired value of said property, a reversible servomotor actuating said compensating means, a switch system controlling said servomotor, two relatively movable members controlling said switch system, a hydraulic system comprising a plurality of connected fluid containers, one of said relatively movable members being responsive to the pressure in one of said containers, the fluid in another of said containers being set at a predetermined constant pressure and the fluid in a third container having impressed upon it by means associated with said compensating means a pressure which is varied proportionately with the compensating effect, and a second hydraulic system comprising a plurality of connected fluid containers, the second of said relatively movable members being responsive to the pressure in one of said latter containers, the capacity of another of said latter containers being elastic and the fluid in the third of said latter containers having impressed upon it a pressure which is varied proportionately with variations of the indicator.

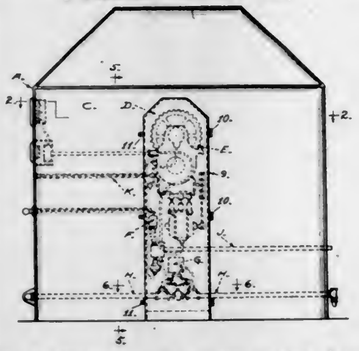
2,183,236

BAKE OVEN

William F. Drew, Los Angeles, Calif., assignor to Bakers & Confectioners Supply Co. of California, Los Angeles, Calif.

Application October 18, 1938, Serial No. 235,703

9 Claims. (Cl. 107—59)



1. In a bake oven, an oven casing having a double-walled end section including inner and outer sheet metal walls spaced apart and containing therebetween thermal insulation, and a sheet metal housing embedded in said double-walled section and spaced from contact with the inner wall thereof and adapted to enclose operating and control elements for the oven.

2,183,237

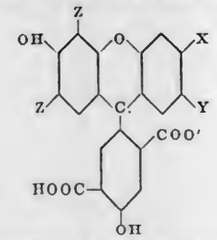
CHROMABLE DYESTUFFS OF THE TRIARYLMETHANE SERIES

Wilhelm Eckert and Karl Schilling, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 22, 1938, Serial No. 203,678. In Germany May 3, 1937

4 Claims. (Cl. 260—335)

1. The compounds of the general formula:



wherein X represents an ethyl substituted amino group, Y a member of the group consisting of hydrogen and methyl, Z a member of the group consisting of hydrogen and bromine.

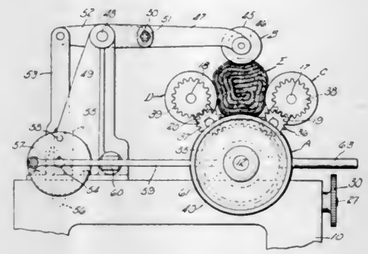
2,183,238

MACHINE FOR SHRINKING HAT BATS

Homer A. Genest, Danbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a corporation of Virginia

Application November 17, 1937, Serial No. 174,987

3 Claims. (Cl. 28—7)



1. In a machine of the character described, a bottom roll, a pair of side rolls arranged in a plane above said bottom roll and spaced apart to cooperate therewith to position a roll of bats, and a top roll above said other rolls adapted to exert pressure on the bats, said top and bottom rolls being circumferentially corrugated and said side rolls being transversely corrugated.

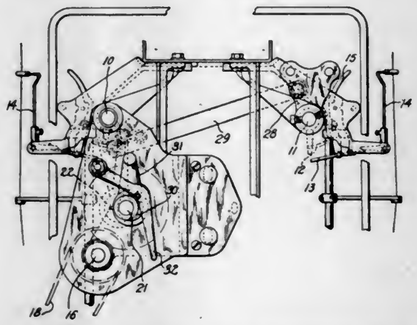
2,183,239

SPINDLE STOP MOTION

William R. Gordon, Stonington, Conn., assignor to The Atwood Machine Company, Stonington, Conn., a corporation of New Jersey

Application December 27, 1938, Serial No. 247,764

5 Claims. (Cl. 57—80)



1. A stop motion operating mechanism for textile machines comprising in combination, a rocker shaft, latch releasing actuators thereon, an arm on said shaft, a pair of toggle links hinged together, one end of one of said links being attached to said arm and the opposite end of the other link being pivoted to a fixed part of said machine, a connecting rod connected at one end to the central pivotal joint of said toggle links, and an eccentric engaging the opposite end of said connecting rod, whereby rotation of said eccentric will oscillate said links and said rocker shaft.

2,183,240
MANUFACTURING VINYL HALIDES
Karl Jung, Rheinfelden in Baden, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 25, 1938, Serial No. 209,984. In Germany May 28, 1937
8 Claims. (Cl. 260—656)

1. In a process for manufacturing a vinyl halide by the addition of hydrogen halide to acetylene in the presence of a mercuric halide, the step which comprises reacting the said components in the presence of an organic solvent of low molecular weight of the group consisting of polyhydric aliphatic alcohols and the halohydrins thereof, in which the mercuric halide is dissolved.

2,183,241
COUPON BOOK
Anthony S. Kalinowski, Chicago, Ill., assignor to Rand McNally & Company, a corporation of Illinois
Application August 4, 1937, Serial No. 157,396
1 Claim. (Cl. 283—62)



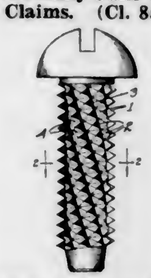
A book comprising hingedly connected back and front covers, a strip guiding and tearing bar, said bar immovably located on the inner face of the front cover adjacent the hinge line and extending transversely of said front cover, and an elongated strip secured to the back cover adjacent the hinge line and extending beneath said bar over the inner face of the front cover, said front cover carrying on its inner face a scale for use in determining portions of said elongated strip to be torn off.

2,183,242
COLLAR AND METHOD OF MAKING THE SAME
Benjamin Liebowitz, New York, N. Y., assignor to Trubenizing Process Corporation, New York, N. Y., a corporation of New York
Application December 24, 1937, Serial No. 181,622
7 Claims. (Cl. 2—143)



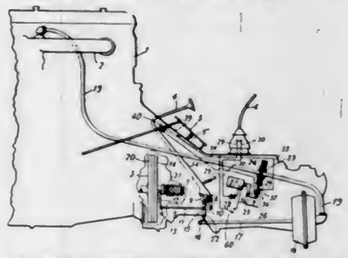
1. In a process of making a multi-ply collar top having points that tend to curl inwardly, the steps which consist in cutting the points of that ply which constitutes the bottom ply of the finished collar top of a smaller area in the neighborhood of the points than the corresponding area of the other plies, wetting said bottom ply, stretching the material of said area of the bottom ply to conform to the corresponding area of the other plies, drying said bottom ply in this stretched condition, and then securing it to the other plies.

2,183,243
METAL FASTENER
Johann Meersteiner, Saaz, Czechoslovakia, assignor of one-half to the firm Bechert & Co., Drahtstifte-, Schrauben- und Stahlindustrie-Aktiengesellschaft, Saaz, Czechoslovakia; Frieda Meersteiner administratrix of said Johann Meersteiner, deceased
Application June 23, 1937, Serial No. 149,845
In Germany June 27, 1936
9 Claims. (Cl. 85—44)



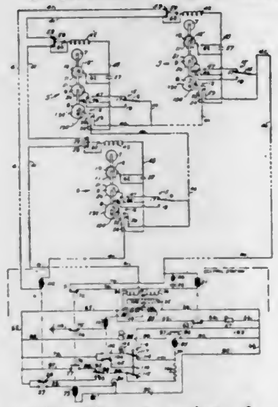
1. A metal fastener that is inserted by turning it in, or alternatively, by driving it in, to a previously unthreaded bore in a block of metal and having separate metal-cutting co-ordinated teeth defined by enclosing grooves and arranged on the shank in alternatively operating respectively drive-in, and turn-in, patterns, each such tooth being a member of two such patterns.

2,183,244
TRANSMISSION SYSTEM
Frank S. Misterly, Darien, Conn., and Samuel B. Smith, Hartsdale, N. Y.
Application July 30, 1932, Serial No. 627,016
24 Claims. (Cl. 192—.01)



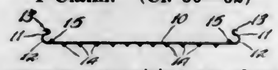
1. In a motor driven vehicle, a driving means and a driven means, a clutch mechanism and a multi-step selective transmission system interposed between the driving and driven means and so arranged that, under certain conditions, the clutch mechanism must be disengaged prior to a selecting operation of the transmission system, a shifting lever for selecting any of the several steps of the transmission system, means connected with the shifting lever for causing the clutch mechanism to disengage upon operation of the shifting lever as when the shifting lever is shifted between any two of the plurality of positions thereof to select individual transmission steps and to cause the clutch mechanism to remain disengaged during the time periods when force is exerted upon the shift lever irrespective of the position thereof, means for controlling the speed of the driving means between idling and maximum speed, and means controlled by the speed control means for causing the clutch mechanism to re-engage after a completion of the selecting operation, in the absence of force applied to the shift lever, when the speed of the driving means is changed in the direction between idling and maximum.

2,183,245
ALTERNATING CURRENT OPERATED NON-INTERFERING SIGNALING SYSTEM
Manfred W. Muehter, Nutley, N. J., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application July 13, 1934, Serial No. 734,931
Renewed April 26, 1939
21 Claims. (Cl. 177—360)



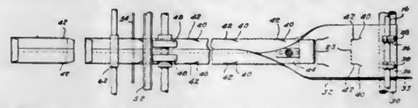
1. In combination, a series of code impulse transmitters; a coding receiver; a break detector relay; a source of direct current; a main line passing as one loop from one pole of said source adjacent to said transmitters and then through the detector relay winding, said line then continuing as a second loop in the same direction past said transmitters through the coding receiver to the other terminal of said source; a normally closed shunt shunting the coding receiver; means for connecting each transmitter between adjacent parts of the respective loops; means associated with each transmitter to break the loops respectively on respective opposite sides of such transmitter to leave only such transmitter connected in a circuit between opposite poles of said source thereby to deenergize the detector relay; and means operated by the detector relay when deenergized to break said normally closed shunt.

2,183,246
ICE CREEPER
Anna Pikulik, Chicago, Ill.
Application September 15, 1938, Serial No. 229,991
1 Claim. (Cl. 36—62)



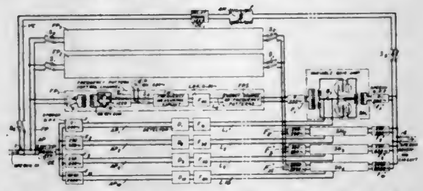
An ice creeper comprising an elongated plate of springy sheet metal adapted for positioning upon the face of a shoe sole transversely of the latter, upwardly projecting extensions integral with the ends of said plate and having terminal hooks, said hooks being curved inwardly and then upwardly and outwardly for engagement over the shoe sole at opposite sides of the latter by mere upward pressure on the ends of said plate to retain the ice creeper on the shoe, a plurality of spurs struck downwardly from the body of said plate, and a plurality of spurs struck upwardly from the body of said plate and adapted to bite into the shoe sole when the ice creeper is applied to the shoe for preventing forward or rearward shifting movement of said plate relative to the shoe sole.

2,183,247
PROCESS OF MAKING COUPON RECEPTACLES
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y., a corporation of New York
Application August 27, 1938, Serial No. 227,037
5 Claims. (Cl. 93—35)



1. The method of forming a double flap coupon bag which includes forming a line of perforations extending transversely of the web and within the margins thereof and of a length coextensive with the width of a bag wall in the finished bag, making angular cuts in the web within the margin thereof and cuts which extend from the end of each angular cut to the line of perforations, said latter cuts being parallel to each other, folding the web to form a tube and subsequently severing one wall of the tube along a line which connects one end of each angular cut and the other wall along a line which connects the other ends of said angular cuts and one end only of each of the parallel cuts.

2,183,248
WAVE TRANSLATION
Robert R. Riesz, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 11, 1936, Serial No. 100,291
21 Claims. (Cl. 179—1.5)

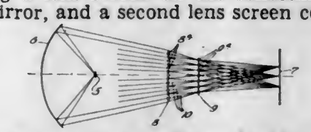


1. The method of controlling the character of speech which comprises artificially modifying the fundamental period of the speech relative to the speech duration, and at the same time maintaining the modified fundamental frequency of the speech a variable frequency which is a continuous function of the original fundamental frequency.

2,183,249
ILLUMINATING DEVICE FOR PROJECTORS
Helmuth Schering and Alfred Merz, Dresden, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application November 5, 1938, Serial No. 239,098
In Germany November 6, 1937
2 Claims. (Cl. 88—24)

1. In an illuminating system, particularly for

picture projectors, a source of light, a picture window, and optical means for producing an uniform illumination of said picture window, said optical means including a mirror in rear of said source of light, said mirror converging the light rays of said source of light to said picture window, and a multiplicity of individual lenses forming a lens screen on the reflecting face of said mirror, and a second lens screen comprising



a transparent plate, one face of said plate being provided with a multiplicity of individual lenses, said plate being positioned between said source of light and said picture window, the plane of said source of light and the plane of said second lens screen being conjugated in respect of the lens screen on the reflecting face of said mirror, the lens screen on the reflecting face of said mirror and the plane of said picture window being conjugated in respect of said second lens screen.

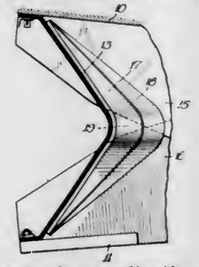
2,183,250

RAILWAY CAR VESTIBULE DIAPHRAGM

Edward E. Whitmore, Chicago, Ill., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois

Application April 23, 1937, Serial No. 138,612

4 Claims. (Cl. 105—18)



1. A diaphragm for application to a railway car vestibule having a passageway with overlapping foot plates and openings at the side edges of the plates, which diaphragm is of the type in which the sides are made of flexible material and are vertically pleated in one or more folds to permit of an accordion-like expansion and contraction, said diaphragm being provided on the inner surfaces of the lower ends of the sides with supplemental feet, which feet are set inwardly from the regular feet on the lower edges of the sides, whereby to provide closures for said foot plate openings.

2,183,251

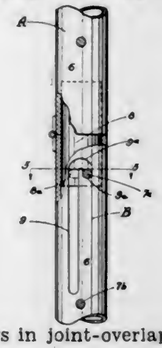
METALLIC LADDER

Ray P. Beggs, Oklahoma City, Okla., assignor to George W. Hassell, Oklahoma City, Okla.

Application January 23, 1939, Serial No. 252,460

3 Claims. (Cl. 228—36)

1. In combination, hinged ladder sections comprising tubular, metallic rails and metallic rungs, means for hingedly connecting the abutting rails of adjacent ladder sections, members slidably mounted within the tubular rails and movable to and from overlapping position with respect to the joint between the said rails, and means for holding said members in such overlapping position, said last-named means comprising a slidable rung engaged with said members and means for supporting said rung in position to



hold said members in joint-overlapping position as described.

2,183,252

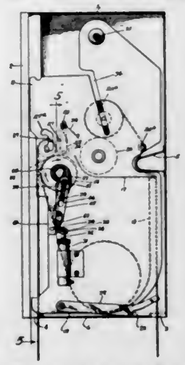
TOWEL DISPENSING APPARATUS

Rudolph G. Birr, Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Application April 8, 1935, Serial No. 15,271

Renewed April 5, 1939

18 Claims. (Cl. 271—2.4)



17. A dispensing apparatus for sheet material, including first means which must move if the material is to be dispensed, means for limiting dispensing motion of the first means including, an arm controlled by the first means, and a slide movable into the path of the arm to stop dispensing, said slide adapted to automatically move out of said path, and a link and means by which it is connected to the arm and slide to move the slide into said path and thereafter release it for automatic movement out of said path, said link moving with said slide as the latter moves out of said path.

2,183,253

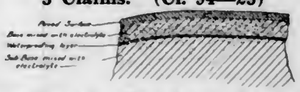
ROAD CONSTRUCTION

Allison Robert Chambers, New Glasgow, Nova Scotia, Canada

Application June 21, 1937, Serial No. 149,434

In Canada September 12, 1936

5 Claims. (Cl. 94—25)



1. In road construction, a sub-base comprising

the subsoil and a water soluble electrolyte incorporated therewith, a waterproof coating to retain the electrolyte in said sub-base and a wearing course above said waterproofed sub-base.

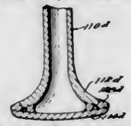
2,183,254

VALVE STRUCTURE AND METHOD OF FORMING

George Charlton, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application June 28, 1937, Serial No. 150,771

10 Claims. (Cl. 29—156.7)



1. A unitary blank for a poppet valve comprising a main body portion having a hollow head and a stem, said head having an annular groove formed in an outer surface thereof, means welded to said head arranged in sealed relation with respect to the marginal edges of said groove whereby to form it into a closed chamber, and said head having means therein forming passageways extending between said chamber and the interior of said head.

2,183,255

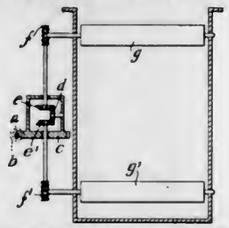
APPARATUS FOR THE MANUFACTURE OF CELLULOSE FILM OR FOIL WEBS AND THE LIKE

Emil Czapek, Berlin, Germany, assignor to Guaranty Trust Company of New York, New York, N. Y., a banking corporation of New York

Application February 1, 1939, Serial No. 253,961

In Great Britain December 17, 1936

2 Claims. (Cl. 18—15)



1. An apparatus for the production of film or foil webs from solutions of cellulose or cellulose derivatives comprising a treatment bath, two spaced guide rollers associated with the treatment bath for advancing successive parts of the film through the bath, a drive, and differential gears between said spaced guide rollers connecting the successive guide rollers to said drive whereby when the shrinkage in the film varies while passing from one guide roller to the other the advancing speed of the successive rollers will be compensated to correspond to such variations.

2,183,256

PHOTOELECTRIC CELL

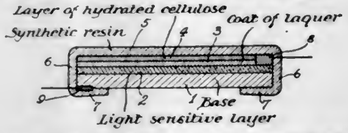
Kurt Gäbler, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany

Application July 21, 1937, Serial No. 154,725

In Germany November 30, 1936

2 Claims. (Cl. 136—89)

1. A photoelectric cell comprising a base member provided with a light sensitive layer having applied on its outer surface a coating of lacquer, and means for protecting said light sensitive layer against tropical atmospheric conditions, said means consisting of a layer of hydrated cellulose arranged on top of said lacquer coating



and a cover layer of transparent synthetic resin applied on top of said cellulose layer, said synthetic resin layer extending around the edges of the superimposed assembly of said base member, light sensitive layer, lacquer coating and cellulose layer.

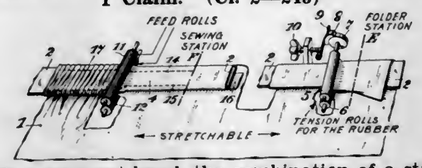
2,183,257

GARMENT BAND

Harry Hardie and John Frost Hargreaves, Baltimore, Md., assignors to The Faultless Manufacturing Company, Baltimore, Md., a corporation of Maryland

Application December 24, 1935, Serial No. 55,966

1 Claim. (Cl. 2—243)



In a garment band, the combination of a strip of sheet rubber, a textile sheath surrounding and enclosing said strip of sheet rubber with the textile sheath slightly constricting the strip of sheet rubber laterally so that the edges of the strip of sheet rubber are in contact with the inner edges of the sheath and exert a lateral spreading force against the said inner edges of the sheath to support the same when the band is in normal unstretched condition, said strip of sheet rubber having a thickness equal to substantially one thirty-second of the width of the strip of sheet rubber to form a sufficient body of rubber to sustain said lateral pressure within said sheath to hold the sheath laterally extended when the band is unstretched, and stitches passing through a portion of said sheath to close said sheath and anchor said strip of sheet rubber within said sheath to prevent displacement of said strip of sheet rubber relatively to said sheath and to hold said strip of sheet rubber substantially flat within said sheath.

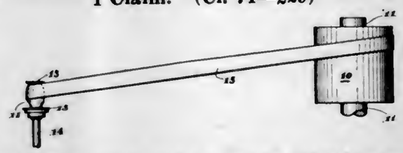
2,183,258

POWER OPERATED ROUTER

James R. Harman, Grand Rapids, Mich., assignor to C. O. Porter Machinery Company, Grand Rapids, Mich., a corporation of Michigan

Application January 26, 1938, Serial No. 186,955

1 Claim. (Cl. 74—229)



A driving pulley and an axially shiftable driven pulley of a length less than the length of the

driving pulley, said driven pulley having a body portion inwardly tapered toward the extremities thereof and having an outwardly rounded end portion forming a marginal flange, said body portion being inwardly tapered more sharply in its end region adjacent said marginal flange than in its middle region.

2,183,259

PROCESS FOR RECOVERING AND REUSING CONSTITUENTS OF WAXED PAPER

Arnold M. Hill, Orange, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application March 3, 1937, Serial No. 128,792
7 Claims. (Cl. 92—3)

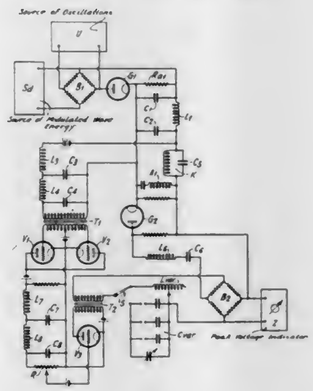
1. In a process for reclaiming the constituents of waxed paper "broke", the steps which comprise disintegrating the "broke" in water heated to a temperature sufficiently high to melt the wax constituent and emulsifying the wax with an agent comprising a mineral oil sulfonate and a sulfonated substance selected from the group consisting of animal and vegetable oils, fats and waxes.

2,183,260

PHASE DISPLACEMENT DETECTOR

Rudolf Hofer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application April 16, 1937, Serial No. 137,164
In Germany April 9, 1936
3 Claims. (Cl. 172—245)



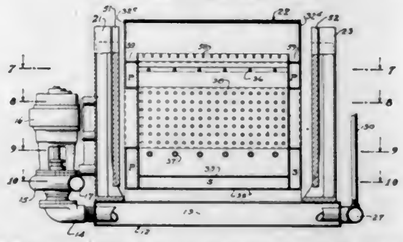
1. In apparatus for determining the phase relation of a modulated carrier and its sideband frequencies to thereby determine the type of modulation of said carrier, means for combining the modulated carrier with an unmodulated wave of arbitrary frequency to produce a difference frequency beat note between the unmodulated wave and each component frequency of the modulated carrier, means for selecting the beat notes between the unmodulated wave and the sideband frequencies of the modulated wave, means for combining the said beat notes to form oscillatory energy whose frequency is twice the difference between the frequency of the unmodulated wave and the frequency of the modulated carrier and means for comparing the phase of the last named oscillatory energy with the phase of oscillatory energy derived solely from doubling the frequency of the difference frequency beat between the unmodulated wave and the carrier wave.

2,183,261

WASHING MACHINE

Penrose R. Hoopes, Philadelphia, Pa., assignor to Havelet Corporation, a corporation of Connecticut

Application June 23, 1937, Serial No. 149,800
5 Claims. (Cl. 68—184)



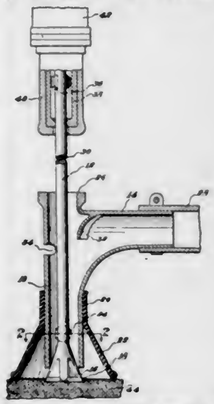
2. In a washing device, a substantially rectangular tank, a plurality of liquid delivering conduits, a plurality of liquid withdrawing conduits, said conduits being arranged alternately to form inner and outer walls of said tank, the inner of said walls having alternate rows of inlet openings from said delivery conduits and of outlet openings to said withdrawing conduits, means to admit liquid to said delivering conduits and means to emit liquid from said withdrawing conduits.

2,183,262

DUST DEFLECTOR

George S. Kelley, Mount Vernon, N. Y., assignor to Kadco Corporation, New York, N. Y., a corporation of New York

Application September 22, 1938, Serial No. 231,155
3 Claims. (Cl. 255—50)



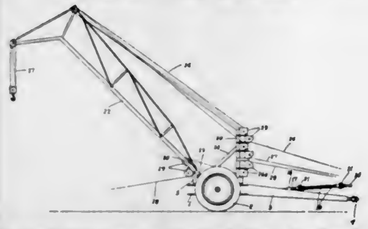
1. A dust deflector comprising a substantially straight tubular portion adapted to receive a drill steel and to fit into a drill hole formed thereby, an angularly disposed conduit connected with said tubular portion intermediate, a baffle in said conduit at its juncture with the tubular portion for guiding dust-laden air into said conduit from said tubular portion, and an aperture intermediate the ends of said tubular portion oppositely disposed therein with respect to said conduit to direct a jet of air in the direction thereof.

2,183,263

TRACTOR OPERATED CRANE

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California

Application June 28, 1938, Serial No. 216,258
4 Claims. (Cl. 212—68)



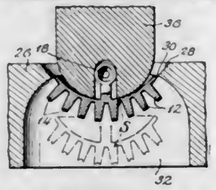
1. A portable crane comprising a wheel supported bed, a tongue rigid with said bed, means on the front end of the tongue to provide for draft connection with a tractor, the bed and tongue being hollow and the latter projecting from the front side of the bed in communication with the hollow area thereof, a boom supporting turntable mounted on the bed, a gear fixed with the turntable on the under side of the same concentric with the axis thereof, a pinion engaging the gear and journaled in the hollow bed, a drive shaft operatively connected to said pinion within the bed and extending thence along and in the tongue with an upward slope to a forward termination on the outside of the same and drive means applied to the forward end of the shaft and operable from the tractor.

2,183,264

METHOD OF MAKING SETTINGS

Morris Lucomlin, New York, N. Y.

Application May 19, 1938, Serial No. 208,805
3 Claims. (Cl. 29—160.6)



1. The method of forming a setting for an article of jewelry having jewel holders projecting radially from a convexly arched supporting member, said method comprising the steps of casting a blank having jewel holders projecting perpendicularly from a flat supporting member, holding an inner portion of said blank so that it can move only in a direction perpendicularly to the plane of the supporting member, and moving said portion in said direction relatively to the peripheral portions of said supporting member and progressively moving zones surrounding said inner portion in the same direction, so as to cause said base plate to become convexly arched with said jewel holders projecting radially from the convex surface thereof.

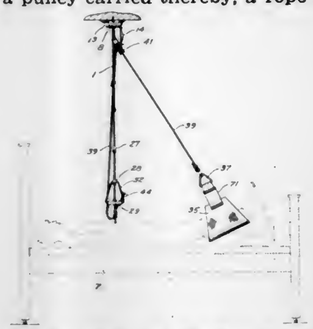
2,183,265

BED SERVICE

William J. Maloney, Ansonia, Conn.

Application March 16, 1939, Serial No. 262,182
5 Claims. (Cl. 272—79)

1. In a device of the character described, a hook element to be mounted in a ceiling or other support over a bed, an upright metal rod bent laterally adjacent its upper end to form a bend to seat in said hook, a hook in the upper end of the rod, a pulley carried thereby, a rope running



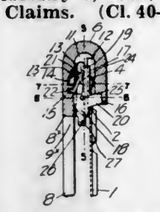
over the pulley carrying a series of spaced knots, a sling carried by one end of the rope, a hand grip on the other end of the rope, and means on the rod cooperating with said knots to retain the sling in different positions.

2,183,266

AUTOMOBILE MARKER LOCK

Joseph Richard Purvis, Toronto, Ontario, Canada, assignor of one-half to Henry James Hacker, Toronto, Ontario, Canada

Application February 9, 1939, Serial No. 255,397
7 Claims. (Cl. 40—125)



1. A marker lock comprising a vertical bar member having a hooked upper end into which the upper edge of a slotted marker plate is insertable, a slidable marker plate locking member movable longitudinally of the aforesaid bar member from a lower position extending below the hook to an upper position substantially within the hook and extending outwardly therefrom to engage the slot of the insertable marker plate, and means coacting with that portion of the inserted marker plate which extends above the slot thereof for automatically securing the slidable member in the upper position.

2,183,267

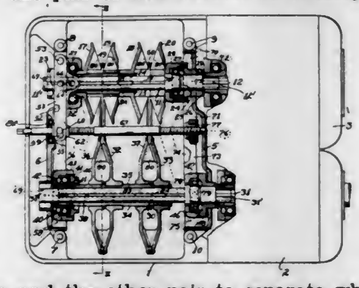
VARIABLE SPEED TRANSMISSION

John D. Rieser, Berkeley, Calif.

Application August 8, 1938, Serial No. 223,759
19 Claims. (Cl. 74—230.17)

1. A variable speed transmission of the class described comprising a frame, a pair of spaced parallel shafts journaled with fixed centers in said frame, quill members on said shafts, recesses forming shoulders on said quill members, a pair of telescoping sheaves having hubs on each shaft, one half of a telescoping sheave on each shaft having its hubs in said recesses, the other half of said sheaves being mounted on the shafts and slidable on said quills, V grooves formed by the telescoping sheaves, and means to move the

quill members and the shafts simultaneously to cause one pair of half sheaves to telescope to-

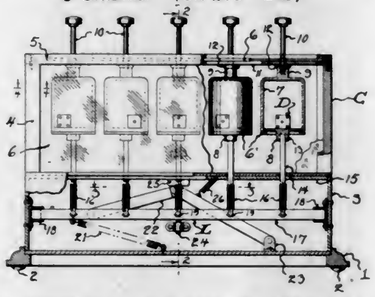


gether and the other pair to separate whereby the V grooves will increase in diameter in one pair and decrease in the other.

2,183,268
THERAPEUTIC PREPARATION
Rudolf Seiden, Kansas City, Mo.
No Drawing. Application March 6, 1939, Serial No. 260,110
1 Claim. (Cl. 260—535)

A new calcium therapeutic agent containing 10.01 parts by weight calcium gluconate and 3.8 parts by weight calcium hypophosphite in water.

2,183,269
DICE GAME
Alfred J. Simonson, Milwaukee, Wis., assignor of one-fourth to Douglas Anton, Milwaukee, Wis.
Application November 12, 1938, Serial No. 240,078
5 Claims. (Cl. 273—145)



1. A game of the character described comprising, a case, a plurality of dice cages mounted within said case for vertical movement, resilient means for urging the cages to raised position, manually operable means carried by said cages for selective depression of the same, and a manually releasable latch common to all of said cages for holding the same in depressed position.

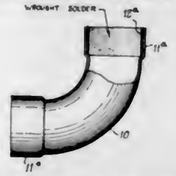
2,183,270
SAWMILL EQUIPMENT
John A. Weber, Portland, Oreg.
Application October 17, 1938, Serial No. 235,360
4 Claims. (Cl. 143—92)

1. In a device of the class described, in combination with a sawmill carriage having means associated upon the carriage for imparting rotary motion both clockwise and counter-clockwise, comprised of a shaft, means for driving the shaft in alternating directions, a supporting block mounted upon one of the beams of the carriage, a shifter reciprocably disposed within the supporting block, means for reciprocating the shifter, a recess disposed within the forward end of the shifter, a positioning and bearing roller secured to the opposite sides of the walls of the recess and extending across the recess, a stop plate disposed within the recess extending thereacross and disposed in spaced relation with the positioning and bearing roller, a pair of inclined surfaces forming the top side of the base of the supporting block, a roller normally resting upon one of the inclined surfaces of the supporting



block and normally engaging the underside of the positioning and bearing roller, and adapted for raising the shifter when engaging one of the inclined surfaces, and for lowering the shifter when engaging the other one of the inclined surfaces when the shifter is being moved in one direction, and for rolling free within the recess disposed within the shifter when the shifter is being moved in the opposite direction to thereby gradually raise and lower the shifter when the shifter is being moved in one position, and to permit the shifter to be moved in a straight line when being moved in the opposite position.

2,183,271
PIPE FITTING AND METHOD OF PRODUCING THE SAME
Frans Bertil Wendel, Waterbury, Conn.
Application March 7, 1938, Serial No. 194,253
3 Claims. (Cl. 29—157)

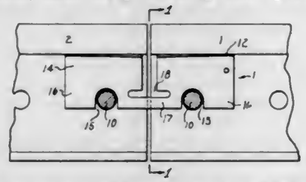


1. A method of fabricating wrought-metal pipe fittings having bellmouthed terminals, which method comprises: coating with solder or the like that portion of the inner surface of an unsized pipe fitting terminal which corresponds in area and arrangement to the surface portion of a bellmouthed terminal which is to be finished for telescopic interfitting engagement with and to be united by a sweat-soldered joint to the male terminal of a pipe or another pipe fitting; and finishing said terminal by forcibly introducing into the pre-coated unsized pipe fitting terminal an expanding mandrel having a working surface of predetermined size and shape to size the said pre-coated unsized terminal and to effect a cold-working of the solder coating in situ on the inner surface which is to engage with and be fused to said pipe or other pipe fitting.

2,183,272
RAIL JOINT SHIM
Fred S. Wonham, New York, N. Y., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application August 2, 1938, Serial No. 222,657
1 Claim. (Cl. 238—244)

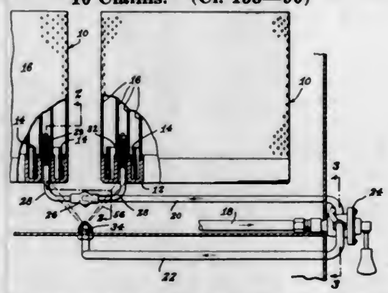
A unitary wear compensating shim for rail joints, comprising a pair of longitudinally aligned

shim portions, each adapted to be placed between fishing surfaces of a rail joint bar and the bottom fishing surface of the head of a different one of the two rail end portions included in the joint, each shim portion comprising an integral apron pendantly extending between a rail web and the opposing relatively spaced inner surface of the joint bar, and a resiliently flexible relatively narrow strip or web formed integrally with said shim portions extending between and interconnecting them at substantially the level of the joint bolts, said strip uniting said portions and



being of substantial length and yieldable responsive to relative movements of the rail joint ends, each said apron extending laterally beyond the adjacent rail joint bolt and having a notch extending from its bottom edge to closely encompass the upper and both side surfaces of said joint bolt, and preventing substantial dislodgment of the shim portion towards or away from the rail ends, whereby buckling or breaking of the strip is avoided and creeping of the shim portions longitudinally of the joint is substantially prevented.

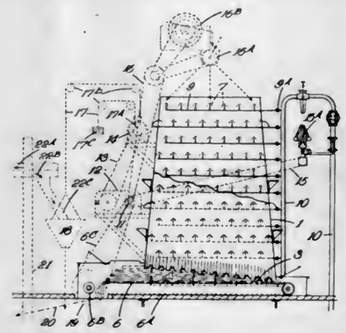
2,183,273
GAS LIGHTER FOR WICK OIL BURNERS
Eugene L. Baker, Taunton, Mass.
Application August 29, 1938, Serial No. 227,326
10 Claims. (Cl. 158—90)



1. In combination with an oil burner having a wick located between two vertical walls one of which is perforated, means providing a gas chamber adjacent to the wick on the opposite side of the perforated wall, means for conducting gas to the chamber, a pilot jet, a source of gas supply, means for continuously conducting gas therefrom to the jet, and a manually operated valve for permitting a flow of gas through the second-named means and increasing the flow of gas to the jet upon opening movement of the valve, the jet being arranged to ignite the gas flowing from the second-named means.

2,183,274
APPARATUS FOR TREATING LOOSE FLOWABLE MATERIAL
Frederick Herbert Barnsdale, Bristol, England, assignor to Arnold Redler, Stroud, England
Application July 23, 1937, Serial No. 155,352
In Great Britain July 23, 1936
8 Claims. (Cl. 34—34)

4. Apparatus comprising a bin, transverse elements therein so spaced and numbered as to result in a substantially equal distribution of pressure of downwardly moving material in said bin, and a discharger at the bottom of the bin capable of withdrawing the material from within the bin evenly and continuously over substantially the whole transverse area of the bottom of said



bin, means for controllably supplying the material to the top of the bin, means for controlling the rate of operation of the discharging means, and means responsive to the rate of flow of material at a predetermined point, which responsive means controls said supplying and discharging means.

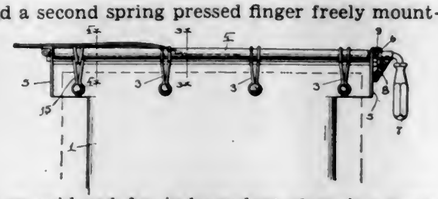
2,183,275
HAIR WAVING OR CURLING DEVICE
Stephen B. Beliaeff, Malverne, N. Y.
Application January 12, 1938, Serial No. 184,585
15 Claims. (Cl. 132—41)



6. In a device of the character described, a tubular member adapted to have hair rolled thereon, a second member adapted to grip the hair preparatory to rolling, said second member being pivotally mounted on said first member, said first member having an open notch in a portion thereof, said notch being disposed adjacent said point of pivoting, and means for holding the rolled hair in place, said last named means comprising a resilient loop member, the loop portion thereof being adapted to be received within said notch through the open portion thereof, and a hook member fastened to the ends of said resilient loop, said last named hook member being adapted to engage the wall of said tubular member at the open end thereof most remote from said notch after said resilient member is stretched.

2,183,276
CLAMPING MEANS FOR COPY HOLDERS
Joseph J. Callin, Kendall Mills, and Edgar Shantz, Rochester, N. Y., assignors to Copy Right Mfg. Corporation, New York, N. Y., a corporation of New York
Application October 26, 1938, Serial No. 237,040
17 Claims. (Cl. 24—66)

4. Clamping means for copy holders having a work support, said means comprising a supporting rod, means for rotatably supporting said rod, a spring pressed finger carried by said rod for rotation thereby relative to said work support



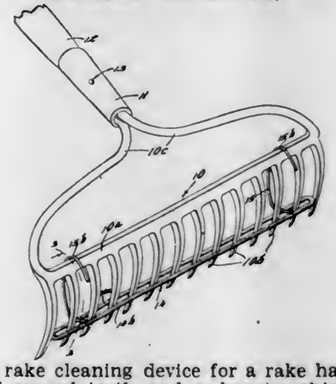
ed on said rod for independent clamping movement relative to said work support.

2,183,277
SHOE WITH RUBBER OR COMPOSITION SOLE
Eugene C. Hellhecker, Bristol, R. I.
Application July 1, 1936, Serial No. 88,277
8 Claims. (Cl. 36—14)



1. In a shoe, a main insole, an upper lasted to the insole, an outsole along the outer surface of the said main insole, an auxiliary insole, means extending through said main insole and mechanically connecting said auxiliary insole and said outsole, said means comprising undercut projections in one part and sockets on the other part to engage and lock with said projections.

2,183,278
RAKE CLEANING DEVICE
Thomas J. Kelly, Minneapolis, Minn.
Application May 2, 1938, Serial No. 205,405
2 Claims. (Cl. 55—146)



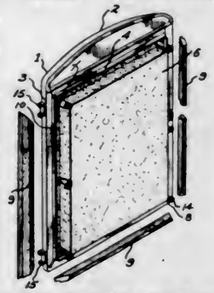
1. A rake cleaning device for a rake having a row of spaced teeth and a bar to which said teeth are connected comprising a member loosely and wholly supported upon said bar and teeth, said member having the form of an elongated loop enclosing said teeth and having substantially parallel portions at the front and rear of said teeth, a pair of members secured to said member adjacent the ends thereof and formed of small flexible rods or wires, said latter members each having a curved portion extending upwardly in the rear of said teeth with its concave side toward said teeth and having a free hook portion at its end extending forwardly over the top of said bar and downwardly some distance in front of said bar, said second mentioned members being constructed and arranged to be bent forwardly when the device is placed on said rake to prevent disengagement of said rake and device.

2,183,279
AIRCRAFT CONSTRUCTION
Lewis C. McCarty, Jr., Baltimore, and Robert G. Nightingale, Towson, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application April 1, 1939, Serial No. 265,458
9 Claims. (Cl. 244—42)



1. In an aircraft having a fixed surface, a movable surface hinged to said fixed surface and a second movable surface hinged to said first movable surface, control mechanism for moving said second movable surface with respect to said first movable surface out of alignment therewith, and means, responsive to operation of said control mechanism such as to produce disalignment of the said movable surfaces, to move said first movable surface towards alignment with said second movable surface.

2,183,280
REFRIGERATOR DOOR
Roland H. Money, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application August 18, 1938, Serial No. 225,600
7 Claims. (Cl. 20—35)

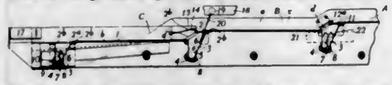


1. A refrigerator door having a metallic outer front panel contoured across the front face of the door, then extending backwardly forming side edges of the door and then extending inwardly, forming flanged portions outlining an opening formed in the door for receiving fibrous insulation, said flanged portions terminating in lips extending backwardly and inwardly and bracing strips secured diagonally across the corners of the flanged portions in back of the door opening and having bracket portions extending to positions spaced inwardly from said flanged portions and provided with means for securing an inner door panel in position on the door.

2,183,281
APPARATUS FOR PNEUMATIC SEPARATION OF MATERIALS OF DIFFERENT SPECIFIC GRAVITIES AND SIZES
Frank Frost Ridley, Sheffield, England, assignor to Colliery Engineering Limited, Sheffield, England, a British joint-stock company
Application May 21, 1937, Serial No. 144,047
In Great Britain May 21, 1936
5 Claims. (Cl. 209—466)

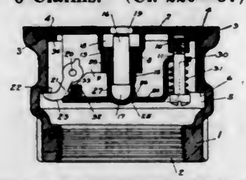
1. Apparatus for the separation of materials of different specific gravities by stratification of the materials under the influence of static pneumatic pressure, comprising an air box; a table disposed over said air box and having a plurality

of successive flat, perforated stratifying zones arranged at successively lower levels, the farther they are away from the feed end of the apparatus, and having a plurality of impervious slopes extending transversely of the table and connecting the successive stratification zones together; means for supplying and maintaining a bed of material of substantially even thickness and of uniform air flow resistance on said zones; means for supplying air to said air box at the pressure required to maintain the bed of material on the level, perforated portions of the table in statically balanced fluid condition; said table having apertures for the discharge of the lower stratified layer disposed transversely of the table at the forward end of each zone; discharge regulating boxes depending from the table below said



apertures for receiving material passing through said apertures; delivery means for controllably discharging material continuously from the lower parts of said discharge boxes into the air box; said delivery means being provided with delivery openings which are larger than the largest particles of said lower stratified layer but have an area slightly less than the area of said apertures so that the said boxes will be maintained constantly full of material and the discharge therefrom will take place in a restrained manner; and means, separate from the first mentioned air supply means, for supplying air to said discharge boxes at the pressure required to maintain the depth of material in said boxes and in the bed over the boxes in balanced fluid condition to maintain stratification conditions while discharge of the heavy lower layer of material takes place.

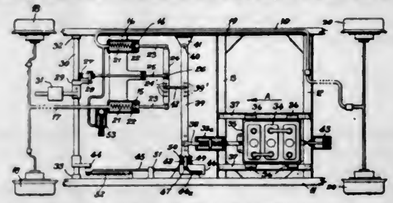
2,183,282
FILL BOX
Frederick F. Rike, Dayton, Ohio, assignor to Buckeye Iron & Brass Works, Dayton, Ohio, a corporation of Ohio
Application October 4, 1937, Serial No. 167,155
6 Claims. (Cl. 220—57)



1. In a fill box, a stationary body member with a groove therein and having a seat, a removable lid member on said seat, swingable locking members on said lid member, a thrust member on said lid member and resiliently urged thereagainst, cam means on said thrust member adapted to swing said locking members outwardly to lockingly engage said groove, and slidable pin means on said lid member engaging said thrust member and manually operable to urge said thrust member away from said lid member and disengage said cam means from said locking members.

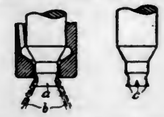
2,183,283
CONTROL MEANS OF LAND VEHICLES
Achille Charles Sampietro, London, England
Application March 8, 1938, Serial No. 194,717
In Great Britain March 10, 1937
17 Claims. (Cl. 188—181)

3. A land vehicle comprising a frame, vehicle brakes, an accumulator battery forming part of the electrical equipment of said vehicle and so mounted as to be displaceable longitudinally of said frame, an operative connection between said battery and said vehicle brakes, which serves to



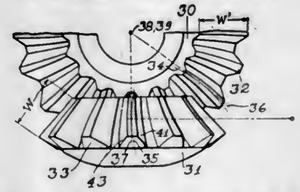
employ the inertia of the battery to apply the brakes in response to retardation of the vehicle, and an operator's control member normally restraining displacement of the battery relative to the frame and operable to permit displacement thereof relative to the frame.

2,183,284
FUEL-INJECTION PLUG-NOZZLE FOR DIESEL MOTORS
Paul Wiebicke, Nuremberg, Germany
Application July 27, 1938, Serial No. 221,543
In Germany July 28, 1937
3 Claims. (Cl. 299—107.1)



1. A Diesel-motor, fuel-injection nozzle comprising a needle valve stem having a conical end for cooperation with a seat to regulate the amount of fuel injected, and an extension of smaller diameter than said needle valve stem projecting from said conical end, the outer end portion of said extension flaring toward its outer end to cause the injected fuel to be delivered in the form of a hollow, conical jet, said extension further having side recesses opening at their outer ends through the outer end of said extension to permit some of the injected fuel to be delivered into the interior of the hollow, conical fuel jet, the inner ends of said recesses being disposed outwardly of the inner end of said flaring portion of said extension so that the fuel before passing through said recesses is directed laterally outward.

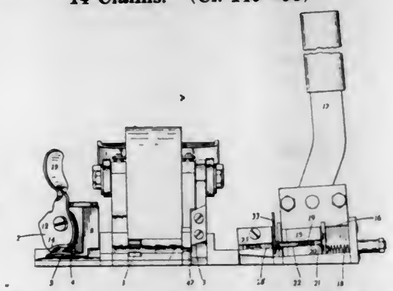
2,183,285
GEAR
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Original application April 17, 1937, Serial No. 137,532. Divided and this application January 31, 1939, Serial No. 253,830
11 Claims. (Cl. 74—459.5)



1. A pair of tapered gears, each of which has

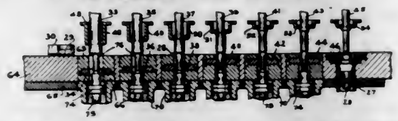
teeth tapering in depth from end to end and side surfaces which are curved longitudinally on circular arcs whose radii are more than twice the face-width of the gear, the teeth of each gear having such a longitudinal direction that a line drawn radially of the apex of the gear is tangent to a median line of a tooth at a point between the tooth ends.

2,183,286
STRAPPING MACHINE
Thomas William John Willcox, Brentford, England, assignor to Gerrard Industries Limited, Brentford, England
Application May 18, 1938, Serial No. 208,673
In Great Britain July 14, 1937
14 Claims. (Cl. 140—93)



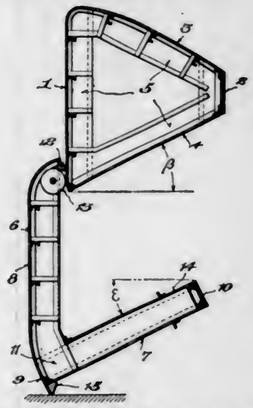
1. A gripping device for forming part of a strapping machine of the type comprising joint forming mechanism for joining overlapping portions of a length of strapping material, said gripping device serving to hold one end of a length of strapping material and being mounted for movement from a normal position to provide for insertion of the end of the strapping material endwise in a direction inclined to that of the strapping material when in normal position in the strapping machine, to an operative position to place the strapping material in line with the joint forming mechanism of the machine, the change in position of the gripping device from the normal position for the insertion of the material to the operative position of the material in line with the joint forming mechanism being secured by the action of drawing the material round and pushing it in position in the joint forming mechanism in a direction transverse to its longitudinal axis.

2,183,287
HORIZONTAL REDRAW PRESS
Zenas P. Candee, Watertown, Conn., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn., a corporation of Connecticut
Application April 24, 1937, Serial No. 138,702
14 Claims. (Cl. 113—38)



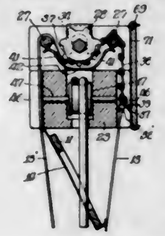
1. In a multiple redraw press, a die block having a plurality of staggered dies, the front faces of said dies being offset inwardly at varying distances from the front face of said die block, a plurality of strippers staggered in the same relation as said dies, means to eject the products drawn in each die, a plurality of pairs of cooperating fingers adapted to simultaneously grip the products ejected from each die, means to cause said fingers to grip said products during the stripping action, and means to move all of said pairs of fingers in a semi-circular arc in a single plane from a position in front of one die to a position in front of the next succeeding die.

2,183,288
DOUBLE-SLUICE WEIR
Paul Cicin, Vienna, Austria
Application June 2, 1937, Serial No. 145,980
In Austria June 3, 1936
6 Claims. (Cl. 61—28)



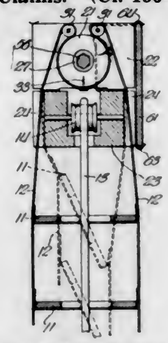
1. In a weir of the type described, in combination two sluices in superposed movable relationship, the bottom sluice being of angular transverse section having a single main cross bar, the vertical leg of said sluice constituting a damming wall and its other leg constituting the main cross bar, the upper sluice being of a transverse sectional shape so as to fit the space between the legs of said bottom sluice, the vertical portion of said upper sluice being guided by the vertical portion of said bottom sluice.

2,183,289
VENETIAN BLIND
Harold R. Haase, River Forest, Ill.
Application May 31, 1938, Serial No. 211,190
14 Claims. (Cl. 156—17)



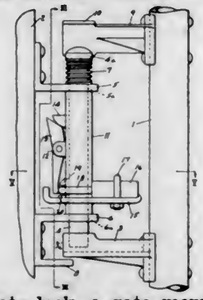
1. A tilt control unit for Venetian blinds including a bracket adapted to be secured above a head rail and having guide means near the upper outer corners thereof, a sprocket between the guide means, and a chain adapted to pass over the guide means and under the sprocket in engagement therewith and having couplers at its ends for securing a ladder tape thereto.

2,183,290
VENETIAN BLIND
Harold R. Haase, River Forest, Ill.
Application December 2, 1938, Serial No. 243,512
12 Claims. (Cl. 156—17)



1. A control head for Venetian blinds, including support means, a large roller carried by said support means, slat-control means secured at a given point to the large roller, and a plurality of guide rollers positioned close together with the slat-control means between them extending approximately around the large roller to permit said large roller to move said slat-control means a distance approximately equal to the circumference of said large roller.

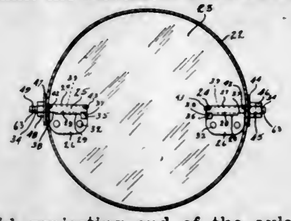
2,183,291
GATE LOCK
Thomas E. Haught, Boldman, Ky.
Application February 23, 1939, Serial No. 257,829
10 Claims. (Cl. 70—141)



1. In a gate lock, a gate member and a post member, a bolt carried by one of the said members and adapted to engage a keeper carried by the other member; means mounted on the post that are effective to forcibly engage the bolt with the keeper when they are brought to closing position and a padlock that is lockably engageable with means on the bolt, means for closing the padlock into locking engagement with said bolt, said means being operable by movement of the bolt as it is forced into engagement with the keeper.

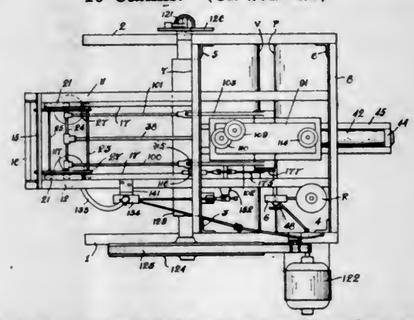
2,183,292
DAMPER MOUNTING AND REGULATING MEANS
Gottlieb L. Kerentoff, Cincinnati, Ohio
Application October 11, 1938, Serial No. 234,493
8 Claims. (Cl. 126—292)

7. In a damper mounting and regulator means, the combination with a conduit having a damper therein, of a mounting plate secured to one side of the damper and having a passage therethrough, a separable axle clamping bolt insertable from within the conduit through the mounting plate passage and through and beyond the conduit, co-operating abutments respectively carried by the mounting plate and axle clamping bolt to limit the movement of said axle clamping



bolt, said projecting end of the axle clamping bolt beyond the conduit being threaded, a clamping nut on said threaded end of the axle clamping bolt for securing the damper in adjusted position, and a removable sleeve around the projecting axle clamping bolt between the nut and conduit.

2,183,293
APPARATUS FOR TRANSFERRING SHEETS
William W. Leach, Warren, Ohio
Application September 14, 1937, Serial No. 163,761
16 Claims. (Cl. 271—26)



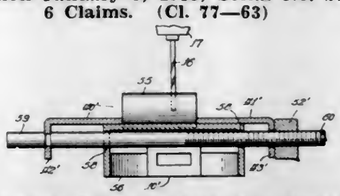
1. In apparatus of the character described, suction cups for transferring sheets from a sheet-feed position to a sheet-delivery position and from the sheet-delivery position back to the sheet-feed position, fluid-actuated means for thus moving said suction cups, and valve-controlled fluid means whereby the speed of movement of the cups to a position intermediate the feed and delivery position, the speed of movement of the cups from said intermediate position to the delivery position, and the speed of movement of said cups from the delivery position back to the feed position, may be independently varied.

2,183,294
LUBRICANT
Bert H. Lincoln, Ponca City, Okla., and Alfred Henriksen, deceased, late of Ponca City, Okla., by John W. Wolfe, administrator de bonis non, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application January 12, 1938, Serial No. 184,650
12 Claims. (Cl. 87—9)

1. A lubricating composition comprising a major proportion of mineral oil and from about 0.1% to about 20% by weight, based on the amount of mineral oil, of the halogenated oxidation product

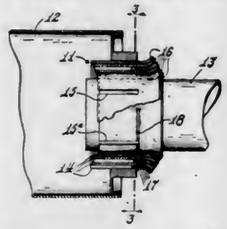
of a hydrocarbon, the alcohols and acids in such product having been converted by esterification.

2,183,295
DRILL AND WORK HOLDER
Nicolás A. López, Chicago, Ill.
Application January 3, 1939, Serial No. 249,050
6 Claims. (Cl. 77—63)



1. In a hand drill, a work-holding device, said device comprising in combination a drill stand base, two plates adapted to clamp work between their adjacent edges, said plates having depending flanges at their outer edges, a rod fixed to a flange of each plate and extending through the corresponding flange of the other plate, said base having means slidably receiving and guiding said rods, and means on one of said rods for holding the plates against work inserted between them.

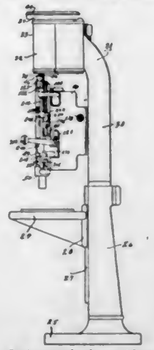
2,183,296
TELESCOPIC BUSHING
Joseph P. Marx, Hartford, Wis.
Application December 19, 1938, Serial No. 246,685
1 Claim. (Cl. 285—183)



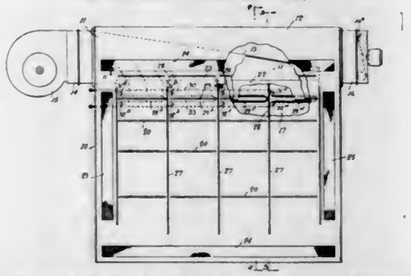
A bushing comprising a nest of graduated telescoping sleeves adapted to seal the annular space between tubular members of different size, said sleeves having a snug surface fit, throughout substantially their full length, with either the inside or the outside of one of the other of said sleeves or with one of said members, said sleeves each having substantially diametrically opposed slots extending inwardly from one end and terminating short of the other end thereof, at least one of said slots terminating in a part-circumferential cut, the latter extending in opposite directions from said one slot, and cooperating therewith to provide for contraction of the slotted end of the sleeve, said circular cut defining one edge of an annular, substantially non-contractible sealing band portion adjacent said other end of the sleeve.

2,183,297
MACHINE TOOL
George K. McKee, Cincinnati, Ohio, and Charles E. Bernitt, Covington, Ky., assignors to The Avey Drilling Machine Company, Covington, Ky., a corporation of Ohio
Application November 25, 1936, Serial No. 112,724
18 Claims. (Cl. 77—32)

1. In a drilling machine of the class described, the combination of a tool carrier, power means for shifting said carrier at successive rapid and feeding rates in one direction, and at a rapid rate in the other direction, and cumulative stop means for determining the amount of rapid and feed movement to be imparted to the carrier for each cycle, and for increasing the length of duration of each succeeding cycle by an amount equal to the time of the feed movement of this preceding cycle, comprising a dog bar on the carrier, a rapid movement dog frictionally engaging said bar for determining the amount of rapid movement to be imparted to the carrier, a second dog on said bar for determining the amount of slow movement to be given said carrier, and for reversing the direction of movement thereof at the end of each feed movement, and means for mechanically connecting the slow movement dog to the dog bar to cause same to move therewith after the rapid dog has been stopped.



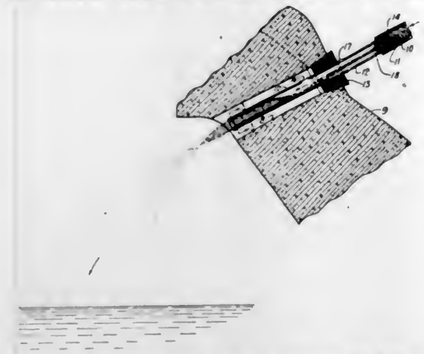
2,183,298
DRYING APPARATUS
Bernard Offen, Chicago, Ill.
Application July 24, 1937, Serial No. 155,515
4 Claims. (Cl. 34—48)



4. A drying hood of the character described including means for passing beneath said hood a surface to be dried, means for passing a plurality of segregated streams of air lengthwise of the surface and in contact with different transverse portions of the surface, means for selectively controlling the temperatures of said different streams of air, and means for withdrawing air from said surface after it has contacted therewith.

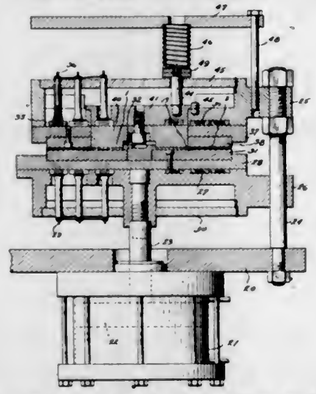
2,183,299
MEANS FOR SUPPLYING ELECTROLYTE TO ELECTROLYTIC CELLS
Kenneth E. Stuart, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, New York, N. Y., a corporation of New York
Application September 23, 1937, Serial No. 165,383
5 Claims. (Cl. 204—5)

1. In a system for supplying electrolyte to electrolytic cells the combination with an electrolytic cell of a downwardly inclined conduit opening directly into said cell above the level of the electrolyte therein and insulated from said electrolyte, a restriction in said conduit positioned and directed to impinge a high velocity stream of electrolyte of a cross section smaller than said conduit against a lower interior wall of said conduit near the discharge end thereof and at an oblique angle with said conduit, a source



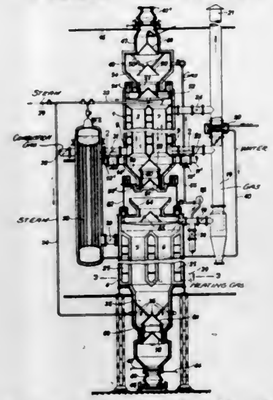
of supply of electrolyte and a pressure-tight conduit connecting said restriction with said source, whereby under suitable pressure at said source a stream of electrolyte is delivered to said cell in discontinuous droplets which will not to any considerable extent conduct electric current between the main body of electrolyte in the cell and said source of supply.

2,183,300
APPARATUS FOR HEAT TREATING AND FORMING CLUTCH DISKS OR THE LIKE
Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 25, 1938, Serial No. 221,157
11 Claims. (Cl. 266—5)



1. An apparatus for heat treating and shaping a sheet metal body such as a clutch disk having zones of different thicknesses and wherein the differential may vary which comprises, two die members arranged to receive the metal body therebetween and to apply heat and pressure to the metal body, one of said die members comprising relatively movable die parts for engaging zones of different thicknesses and one of said parts being backed solely by yielding means.

2,183,301
PROCESS FOR CONVERTING GASES CONTAINING CARBON MONOXIDE
Franz Bössner and Carl Marischka, Vienna, Austria
Application October 28, 1936, Serial No. 108,070
In Austria November 4, 1935
5 Claims. (Cl. 23—213)



1. A continuous process for depoisoning gases containing carbon monoxide by converting the carbon monoxide into a mixture of carbon dioxide and hydrogen in the presence of steam and of a reactant consisting essentially of ankerite and for removing carbon dioxide from the mixture, which comprises converting the carbon monoxide into carbon dioxide and hydrogen in a conversion chamber containing the ankerite, regenerating the ankerite, as soon as it becomes inactive as regards the absorption of CO_2, by heating the ankerite in a regeneration chamber, repeatedly intermittently circulating the ankerite in a hot state between said chambers, the temperature of the reactant during said circulation being maintained between 400–800° C.

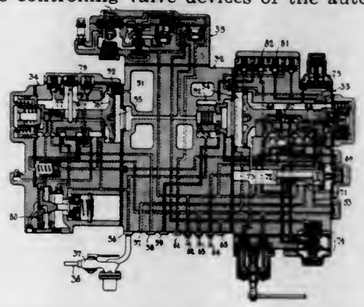
2,183,302
METHOD FOR PRODUCING COATINGS OF HIGH OHMIC RESISTANCE IN THE INTERIOR OF VACUUM TUBES
Gerhard Brauer, deceased, late of Berlin-Halensee, Germany, by Richard Brauer and Magdalene Brauer, nee Naumann, heirs, Luneburg, Haus Schwalbenberg, Germany, assignors to Fernseh A. G., Zehlendorf, near Berlin, Germany
No Drawing. Application January 6, 1937, Serial No. 119,369. In Germany January 22, 1936
6 Claims. (Cl. 250—27.5)

1. The method of producing high resistance wall coatings within a vacuum tube which comprises evacuating the tube, introducing a metallic gaseous carbonyl, heating the wall of said tube to cause depositing of a metallic coating thereon from said metallic gaseous carbonyl, re-evacuating said tube, and oxidizing said metallic layer.

2,183,303
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application October 15, 1938, Serial No. 235,253
2 Claims. (Cl. 303—30)

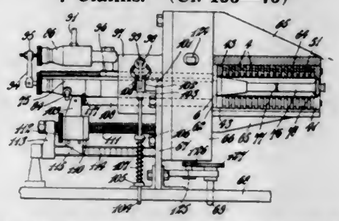
1. In a train air brake system, the combina-

tion of a signal pipe extending through the train; a brake pipe extending through the train; means for supplying pressure fluid; an engineer's brake valve controlling connection from said supply to the brake pipe; a restricted one way flow connection from said supply to the signal pipe; a signal device connected with the signal pipe and responsive to pressure waves in said signal pipe; means on the various vehicles of the train for producing such waves; supply reservoirs on the various vehicles; restricted one way flow connections from the signal pipe to said reservoirs; brake controlling valve devices of the automatic



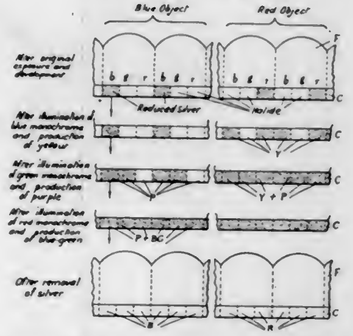
graduated release type on each vehicle, connected to the brake pipe to be controlled by pressure changes therein; an auxiliary reservoir and a second reservoir which latter supplies pressure fluid, at least for the graduated release function, such reservoirs being connected to be charged from the brake pipe through the brake controlling valve device; brake cylinders in the vehicles of the train; and relays, one for each brake controlling valve device and responsive to braking pressures controlled thereby to admit pressure fluid from said supply reservoirs to corresponding brake cylinders and to cut off such admission, and to exhaust the brake cylinders.

2,183,304
APPARATUS FOR FORMING EXTRUSION CONTAINERS
Charles Davis, Neuilly-sur-Seine, France
Application April 22, 1937, Serial No. 138,452
In Great Britain July 28, 1936
7 Claims. (Cl. 153—73)



1. An apparatus for forming a metal non-resilient axially collapsible pleated tubular extrusion-container for fluid, semi-fluid and pasty substances, comprising a multi-plate expansible and contractible mould, the plates of said mould having operative edges of sharply defined V shape, means for radially expanding and radially contracting said mould, means for introducing a fluid pressure medium into a metal tubular container placed in said mould while said mould is radially contracted, and means controlled by the said fluid introducing means to cause fluid under pressure to longitudinally contract said mold into final form.

2,183,305
METHOD OF OBTAINING COLOR PHOTOGRAPHS
Anne Henri Jacques de Lassus Saint Genies, Versailles, France
Application February 19, 1938, Serial No. 191,536
In France March 2, 1937
6 Claims. (Cl. 95—2)



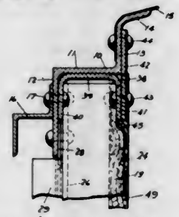
1. Method of obtaining a photograph in color which consists in first obtaining by the lenticular process of photography a primary image in black and white composed of a plurality of monochrome components, and then subjecting without fixing of the sensitive salts each monochrome component of said primary image successively to treatment including an exposure made selective by the lenticular support and a development associated with a diffusive coloring operation producing a color complementary to that which is finally to be obtained in the particular monochrome component treated, the coloration extending over the microscopic elements adjacent the elements of each monochrome component treated and giving a density substantially proportional to the quantity of silver reduced in each partial development, and finally removing the reduced silver from the photograph.

2,183,306
ANIMAL FIGURE
Johannes Gotthilf Dietrich, Berlin-Tempelhof, Germany
Application June 23, 1936, Serial No. 86,716
In Germany June 26, 1935
2 Claims. (Cl. 46—99)



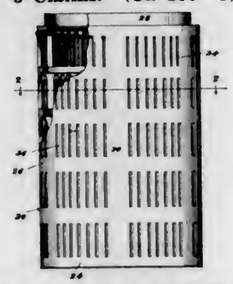
1. A mechanical animal figure comprising a trunk, head and tail members carried by said trunk, one of said members being movably supported on said trunk, fore and hind legs secured to said trunk, a control handle arranged on the under side of said trunk between said fore and hind legs so as to be substantially concealed from view, operating means disposed within the body of the figure and connecting said handle to said one of said members and arranged to transmit motion from the control handle to said movably supported member, a carriage supporting said figure, and means mounted on said carriage and associated with said handle for detachably securing said figure to said carriage.

2,183,307
CAR CONSTRUCTION
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application June 9, 1937, Serial No. 147,274
9 Claims. (Cl. 105—396)



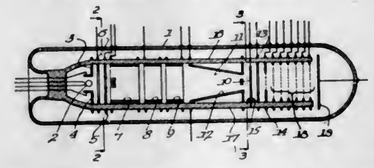
1. In a railway house car having a door opening in a side thereof, a side plate at the top of said opening, said side plate having inner and outer vertical flanges and a connecting web, door posts contiguous to the sides of said opening, an intermediate post spaced longitudinally of each door post, means securing said door and intermediate posts to said side plate, a reinforcement for said side plate extending continuously from intermediate post to intermediate post, said reinforcement comprising a web disposed contiguous to the underside of the web of said side plate and inner and outer vertical flanges, means securing together the respective inner and outer vertical flanges of said side plate and said reinforcement, means securing said reinforcement to said door and intermediate posts and a lining abutting said intermediate posts and secured to said car side, the projection of said reinforcement inwardly of said car being limited to the plane of the inner face of said lining.

2,183,308
WELL CASING
Edward F. Dooley, Hutchinson, Kans.
Original application January 13, 1936, Serial No. 58,971. Divided and this application July 27, 1938, Serial No. 221,588
3 Claims. (Cl. 166—5)



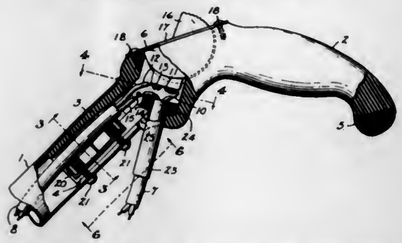
1. A perforated casing for wells comprising a one-piece hollow cylindrical body having a plurality of circumferentially spaced, longitudinally extending members and longitudinally spaced, circumferentially extending bands united at spaced points with said longitudinally extending members, said body being provided between said circumferentially and longitudinally extending members with slots spaced from each other less than the widths of said longitudinally extending members and defining minor longitudinally extending strips terminating at said circumferentially extending bands, said longitudinally extending members being in alignment.

2,183,309
ELECTRON MULTIPLIER
Werner Flechsig, Berlin-Charlottenburg, and Rudolf Behne, Berlin-Lichterfelde, Germany, assignors to the firm of Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany
Application March 17, 1938, Serial No. 196,496
In Germany March 19, 1937
10 Claims. (Cl. 250—150)



1. Electron multiplier, comprising means for generating a primary electron stream, means for producing an electron image of a defined cross section of said electron stream in a plane, a diaphragm in said plane possessing an aperture having dimensions substantially proportional to the cross-sectional dimensions of said beam image and an area approximately equal to said beam image, means for deflecting said electron image across said aperture, means for amplifying by electron multiplication that portion of said electron stream passing through said aperture, and means for collecting the amplified portion of said electron stream.

2,183,310
OPERATING HANDLE FOR ELECTRICALLY DRIVEN TOOLS
Walter A. Frantz, Shaker Heights, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 26, 1937, Serial No. 133,287
6 Claims. (Cl. 200—157)

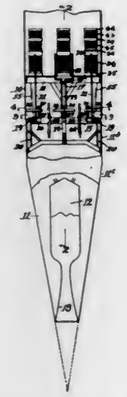


1. A handle for an electrically-operated tool comprising, a handle tube, a hand grip with a hollow interior portion and an end portion slotted along one side and adapted to be received in said tube, and means adapted to be received in the hollow interior of said hand grip including an electric cord insertable in the handle grip by way of the slotted portion thereof and a switch structure operatively connected to said cord for expanding the slotted portion of said hand grip for the purpose of causing the same to tightly engage said handle tube.

2,183,311
MEANS FOR STEERING AIRCRAFT
Robert H. Goddard, Roswell, N. Mex.
Application October 18, 1937, Serial No. 169,583
9 Claims. (Cl. 244—85)

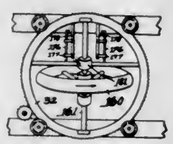
1. In an aircraft, a forward casing, a rear casing, means to normally align said casings,

means to deflect one of said casings from such alignment, means to limit such displacement in



a plurality of directions, and means to simultaneously adjust all limiting positions.

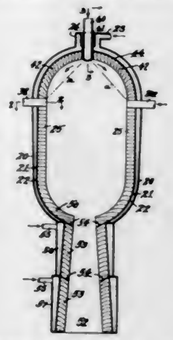
2,183,312
FUEL STORAGE AND DISCHARGE APPARATUS
Robert H. Goddard, Roswell, N. Mex.
Original application November 9, 1936, Serial No. 109,964. Divided and this application March 31, 1938, Serial No. 199,180
4 Claims. (Cl. 74—5)



1. In gyroscopic steering apparatus for aerial craft, that improvement which consists in providing a hollow annular gyroscope rotor, means to fill said rotor with liquid fuel, means to rotate said rotor at high speed, means to cause said liquid fuel to rotate with said rotor and at substantially the same speed, normally-closed means in the periphery of said motor effective when opened to gradually discharge said fuel from said rotor while said rotor is rotating at said high speed, and apparatus to render said discharge means intermittently and momentarily operative at least once in each revolution of said rotor.

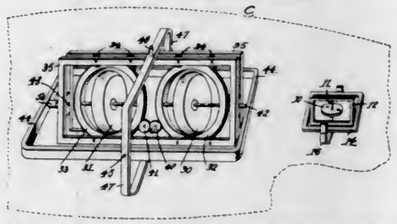
2,183,313
COMBUSTION CHAMBER FOR AIRCRAFT
Robert H. Goddard, Roswell, N. Mex.
Application July 7, 1938, Serial No. 217,962
18 Claims. (Cl. 60—35.6)

1. A combustion chamber for rocket craft comprising spaced outer and inner sheet metal casings providing an elongated annular conductor for a liquid oxidizing element, said inner casing having feeding perforations therethrough, and a layer of porous material attached to said inner metal casing and supported on the inner face thereof and in the porosities of which said liquid oxidizing element is vaporized and thereafter



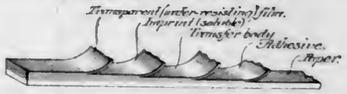
delivered in gaseous form to said combustion chamber.

2,183,314
GYROSCOPIC APPARATUS FOR DIRECTING FLIGHT
Robert H. Goddard, Roswell, N. Mex.
Application January 31, 1939, Serial No. 253,860
9 Claims. (Cl. 244—79)



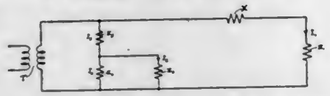
1. Apparatus for directing the flight of an aircraft in outer space which comprises a pair of associated rotating gyroscope members mounted for precessional movement in supports which are separately rotatable in a supporting frame, a pilot gyroscope, means under control of said pilot gyroscope effective to precessionally displace the gyroscope members equally in opposite directions, thereby causing said gyroscope members to exert a flight-adjusting force on said aircraft in space in opposition to a diverting external force, means to support said frame in said craft so that all reactions of said gyroscope members are normally inoperative to direct flight, and automatic means controlled by said pilot gyroscope by which said members may be at times rendered effective to direct flight with respect to a selected axis only of said craft.

2,183,315
DECALCOMANIA
Ferdinand W. Humphner, Oak Park, Ill., assignor, by mesne assignments, to Mid-States Gummed Paper Company, a corporation of Delaware
Application February 11, 1937, Serial No. 125,321
9 Claims. (Cl. 41—33)



1. A decalcomania comprising: a paper base, water soluble adhesive thereon, a transfer body carried by said adhesive, and a partially water soluble imprint carried by said body, said imprint being unaffected by the normal contact with water necessary for releasing the transfer but being substantially impaired by prolonged contact with water beyond said period.

2,183,316
CURRENT METERING SYSTEM
Frank G. Kear, Minersville, Pa., assignor to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware
Application February 26, 1937, Serial No. 128,037
2 Claims. (Cl. 171—229)



1. An electrical system comprising a source of power and a plurality of load devices connected to said source to be energized thereby, means for producing a pre-determined phase and magnitude relationship between the currents in said load devices, said means comprising a plurality of series-connected impedances connected across the output of said source, one of said load devices being connected in parallel with said impedances, another of said load devices being connected in parallel with one of said impedances, and a compensating impedance connected in series with said first-named load device and having the value Z_3/P, in which Z_3 is the impedance of that portion of the series-connected impedances which is not in parallel with said second load device.

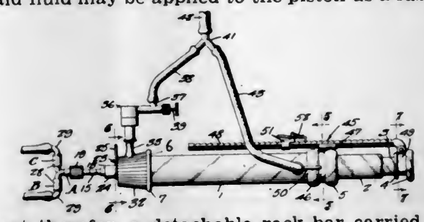
2,183,317
MANUFACTURE OF CELLULOSE DERIVATIVE COMPOSITIONS
Harold Allden Auden, Banstead, Hanns Peter Staudinger, Sutton, and Henry Malcolm Hutchinson, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application May 3, 1937, Serial No. 140,578. In Great Britain May 18, 1936
19 Claims. (Cl. 106—40)

1. A composition comprising essentially a cellulose ester of an organic acid and an acetal containing two oxygen atoms and at least 7 carbon atoms and resulting from condensation of an aldehyde with a monohydric alcohol containing a single oxygen atom.

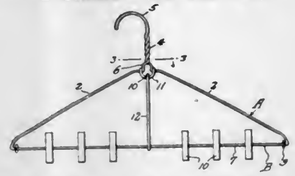
3. A composition comprising essentially a cellulose ester of an organic acid and an acetal containing two oxygen atoms and at least 7 carbon atoms and resulting from condensation of an aldehyde with a halogen substituted monohydric alcohol containing a single oxygen atom.

2,183,318
MEDICAL AND SURGICAL APPARATUS
Andrew F. Burton, Washington, D. C.
Application January 26, 1937, Serial No. 122,443
1 Claim. (Cl. 128—214)

A surgical device for blood transfusions comprising a cylinder, a piston reciprocably mounted in the cylinder for manual operation and having suction and expelling strokes, an adapter connected with the cylinder and including means whereby surgical needles may be connected thereto and which needles are to be inserted in a donor and a recipient and also having means whereby the blood taken from the donor on the suction stroke into the cylinder may be forced into the recipient on the expelling stroke of the piston and be prevented from reentering the donor and acting to prevent the blood of the recipient from entering the cylinder on the suction stroke of the piston, means for admitting and regulating the amount of a fluid medicament to the cylinder for mixing with the blood being transferred from the donor to the recipient, and including means whereby certain of said fluid may be applied to the piston as a lubricant therefor, a detachable rack bar carried by said piston, a guide detachably mounted on said cylinder and slidably engaging said rack bar, and a stop on said rack bar for engagement with said guide to limit the suction stroke of said piston, said stop having a spring pressed catch for selective engagement with a tooth of said rack bar for effecting adjustment of said stop on said bar whereby a predetermined amount of blood may be transfused by complete suction and expelling strokes of said piston.



2,183,319
COMBINATION COAT HANGER AND CLOTHES SUPPORT
Estelle C. Gerow, Norfolk, Va.
Application March 27, 1939, Serial No. 264,459
1 Claim. (Cl. 223—91)

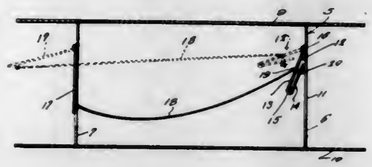


A device of the class described comprising a garment hanger including a bottom piece, upwardly converging side pieces, a shank extending upwardly from the adjacent ends of the side pieces and terminating in a hook, the lower end of the shank forming an inverted U-shaped part, the lower ends of the limbs of which are connected to said adjacent ends of the side pieces, a yoke including a cross bar and limbs, eyes at the free ends of the limbs receiving portions of the bottom bar of the hanger, clamps connected with the cross bar of the yoke, a U-shaped member having eyes at its ends through which the adjacent ends of the side pieces of the hanger pass with said U-shaped member straddling the inverted U-shaped part at the lower end of the shank, a rod having an eye at one end through which the bight of the U-shaped member passes and a hook at its other end for engaging the cross bar of the yoke.

2,183,320
HEN'S NEST
Boniface A. Grasberger, Richmond, Va.
Application January 10, 1939, Serial No. 250,215
4 Claims. (Cl. 119—50)

1. A hen's nest comprising an enclosure hav-

ing front and rear doorways, a hinged rear door for the rear doorway and adapted to be opened by a hen leaving the enclosure, a hinged front door for said front doorway and including hingedly connected sections, one of which is adapted to engage the enclosure for supporting the door in a partly open position to permit partial admittance of a hen to said enclosure whereby on the



full admittance of a hen to said enclosure the hen brings about elevation of said front door from a partly open position and when freed of the hen the door is adapted to assume a full closing position, and means connecting said doors whereby the opening of the rear door by the hen brings about repositioning of the front door in a partly open position.

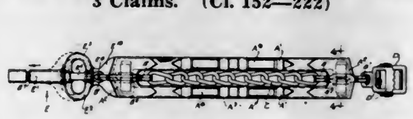
2,183,321

ANTISKID DEVICE

Walter C. Jackson, Rahway, N. J., assignor to Tingley Reliance Rubber Corporation, a corporation of New Jersey

Application June 11, 1936, Serial No. 84,625

3 Claims. (Cl. 152—222)



1. An antiskid device for use with an automobile tire, comprising a section of chain with terminal connecting links at opposite ends thereof, and a cushioning unit anchored to said terminal links, said cushioning unit including lateral cushioning strips arranged in parallel relation at opposite sides of the chain and yieldable end portions connecting said cushioning strips together.

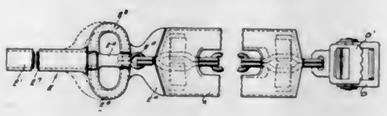
2,183,322

HOLDING STRAP FOR ANTISKID DEVICES

Walter C. Jackson, Rahway, N. J., assignor to Tingley Reliance Rubber Corporation, a corporation of New Jersey

Original application June 11, 1936, Serial No. 84,625. Divided and this application January 22, 1937, Serial No. 121,793

7 Claims. (Cl. 152—218)



1. A strap adapted to secure an antiskid device to the felly of a wheel, said strap including as an integral part thereof a molded loop member distortable out of its original loop form under load and returnable into its original loop form when the load is removed, said member being connected in the strap in such manner that tension applied to the strap in service tends to produce such distortion against the tendency of the loop to resist the same, whereby the strap in effect has elasticity in a lengthwise direction.

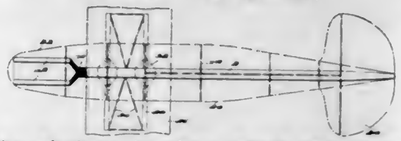
2,183,323

MONOLONGÉRON CONSTRUCTION FOR HEAVIER-THAN-AIR CRAFT

David Gale Moss, El Dorado, Kans.

Application March 12, 1938, Serial No. 195,618

1 Claim. (Cl. 244—119)



An airplane longéron which extends in a straight line centrally at the lower portion of the airplane from one extreme end to the other, and divides at its forward end into an open fork constituted by two substantially parallel arms, which constitute a forward extension of the main portion of the longéron, and are adapted to form a suitable motor support in position forward of the cockpit and firewall of the airplane.

2,183,324

RECOVERY OF CARBON DIOXIDE

Gustave T. Reich, Philadelphia, Pa.

Application February 16, 1938, Serial No. 190,859

12 Claims. (Cl. 23—150)

1. A method of recovering carbon dioxide which comprises contacting gases containing carbon dioxide with a solution of alkali carbonate saturated with alkali bicarbonate, whereby a suspension of alkali bicarbonate is formed, heating said suspension to dissociate not more than the alkali bicarbonate in suspension to alkali carbonate and carbon dioxide while maintaining the alkali carbonate in solution, and returning the solution of alkali carbonate saturated with alkali bicarbonate to contact with gases containing carbon dioxide.

2,183,325

MANUFACTURE OF UNSATURATED ACIDS

Hanns Peter Staudinger, Ewell, England, assignor to The Distillers Company Limited, Edinburgh, Scotland, a British company

No Drawing. Application December 6, 1938, Serial No. 244,289. In Great Britain January 1, 1938

5 Claims. (Cl. 260—530)

1. The method of converting unsaturated aliphatic aldehydes into their corresponding acids by oxidation which consists in subjecting the aldehyde to the action of oxygen in the presence of a per-compound of an organic acid that is completely miscible with the aldehyde.

2,183,326

CHRISTMAS ORNAMENT

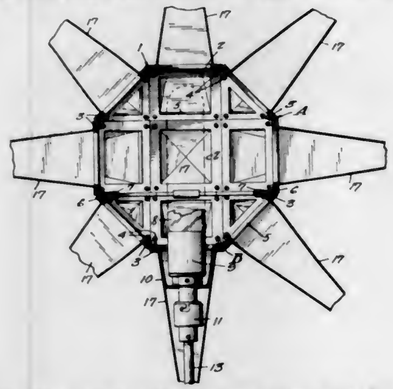
Albert H. Thaeler, Greensboro, N. C.

Application September 10, 1937, Serial No. 163,287

1 Claim. (Cl. 240—10)

A Christmas ornament comprising a body having a plurality of faces each fashioned with a window and with outwardly extending flanges defining said window, frames adapted to be detachably secured to said faces of the body and surrounding said windows, light transmitting elements carried by said frames and extending outwardly from the body and receiving therein

said flanges, and quickly detachable fastening devices securing said frames to said body to main-



tain said light transmitting elements in connected relation with said body.

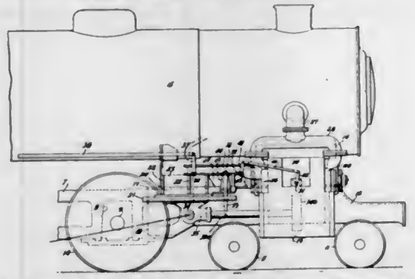
2,183,327

LOCOMOTIVE

William E. Woodard, Forest Hills, N. Y.

Application February 19, 1937, Serial No. 126,588

16 Claims. (Cl. 121—116)



1. In a locomotive having a cylinder casting and steam distribution valve means for the cylinders, variable cut-off valve motion mechanism, including operating parts for actuating the valves of both cylinders arranged as a compact unit, and a closed-bottom casing structure for housing and supporting said mechanism cast integrally with the cylinders in a position to rigidly brace said casting.

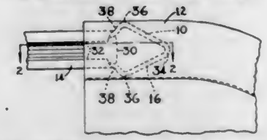
2,183,328

CURTAIN ROD THREADING DEVICE

Henry F. Baacke, Cowesett, R. I.

Application August 24, 1938, Serial No. 226,475

5 Claims. (Cl. 223—105)



1. A one piece curtain rod threading device for hollow curtain rods, comprising a single piece of wire having a threading loop at the outer end of greater height than said hollow curtain rod, adapted to pierce a curtain rod holding channel in said curtain and prevent the top and bottom edges of said curtain channel from catching on the top and bottom edges of said curtain rod as the rod is being inserted therein, terminating in inner ends of less height, and spaced free ends extending rearwardly from said loop inner ends to form an expanding tongue to be received by said hollow curtain rod, said threading loop first having its inner end offset laterally in one direction, then extending forwardly obliquely laterally from inner to outer end to have its outer end offset laterally in the opposite direction to provide extensions offset laterally in opposite directions on said outer threading end to prevent the sides of said curtain rod holding channel in said curtain from catching on said curtain rod as said rod is being inserted.

2,183,329

ROD BENDING APPARATUS

Patrick J. Cotter, Long Island City, and Marcy D'Onofrio, Richmond Hill, N. Y.

Application February 15, 1939, Serial No. 256,442

3 Claims. (Cl. 153—11)



1. Apparatus for the bending of reinforcement rods for use in connection with concrete constructions comprising in combination, an elongated table; a pair of spaced parallel rails fixed lengthwise to the table against the inner side of one of which a rod to be bent is adapted to be placed; means on said table adjacent the end of one of said rails adapted to cooperate therewith in holding a rod while one end thereof is being bent, and said means also serving to engage the bent end of a rod for arresting shifting movement of the rod in one direction while making a second bend intermediate the ends thereof; a bending tool having a rod receiving jaw of greater length than the distance between the rails whereby an angular second bend may be made in a rod of a length approximating that of the jaw when a rod is gripped in the jaw and the bending tool is turned until the ends of the jaw abut the rails; and a removable stop member mounted on said table between said rails and extending angularly relative thereto at an angle corresponding to the angle of the second bend formed in a rod and against which the angular second bend is adapted to abut to arrest shifting movement of a rod in the opposite direction so as to hold a rod against lengthwise shifting movement during the formation of subsequent bends in the rod.

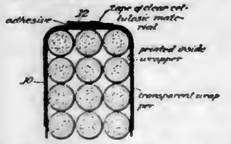
2,183,330

PROCESS OF PACKAGING AND RESULTING ARTICLE

Richard Gurley Drew, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application June 10, 1933, Serial No. 675,289

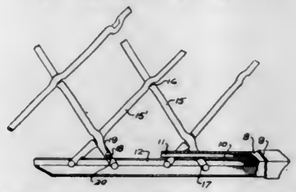
13 Claims. (Cl. 93—2)



1. In a packaging device including a wrapping

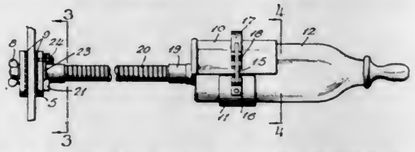
sheet comprising a transparent gelatinized cellulosic material, a seal for said wrapping material, including a water insoluble adhesive, said adhesive maintaining said sealed portions in elastic adhesive equilibrium and maintaining the wrapping material in the transparent gelatinized condition aforesaid.

2,183,331
ADJUSTABLE GRILLE
John F. Farmer, Indianapolis, Ind.
Application March 15, 1939, Serial No. 261,922
6 Claims. (Cl. 20—71)



1. In a woven wire grille, a wire having spaced depressions on alternate opposite sides of the wire, both ends of the wire being in alignment with the axis of the wire and notched to form shoulders with a reduced thickness therebetween.

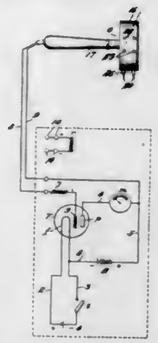
2,183,332
HOLDER FOR NURSING BOTTLES
Tassos G. Haritos, New York, N. Y., assignor to Baby Aids, Inc., New York, N. Y., a corporation of New York
Application October 21, 1938, Serial No. 236,165
2 Claims. (Cl. 248—104)



1. A holder for nursing bottles comprising, in combination, cooperating clamping members for attaching the holder to a crib or the like, a bracket secured to one of said members in spaced relation thereto so as to combine therewith to form a socket, said bracket having a slot therein provided with a closed and an open end, a semi-rigid tubular supporting element having a plate at one end engaged in said socket with the adjacent portion of said element projecting through said slot and resting upon the closed end thereof, cooperating bottle-retaining members carried by said supporting element and pivotally connected to each other, said retaining members combining to embrace said bottle, and clamping means for securing said retaining members in operative position about said bottle.

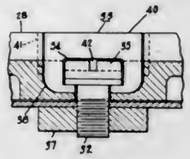
2,183,333
ELECTRONIC DISCHARGE TESTING DEVICE AND CONTACTOR
Raymond S. Hart, Brooklyn, N. Y., assignor to Harry Hull St. Clair, Montclair, N. J.
Application July 8, 1936, Serial No. 89,669
3 Claims. (Cl. 175—183)

1. A contactor member for electronic discharge testing circuits comprising a body member provided with testing circuit terminal pins projecting therefrom in spaced relation, said terminal pins having insulated inner portions and exposed outer portions and said head being provided with



correspondingly spaced pins adapted for initially piercing the material for the reception of the testing terminal pins, substantially as described.

2,183,334
MOVING STAIRWAY
Samuel Gustave Margles, Brooklyn, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application May 7, 1938, Serial No. 206,528
1 Claim. (Cl. 198—16)

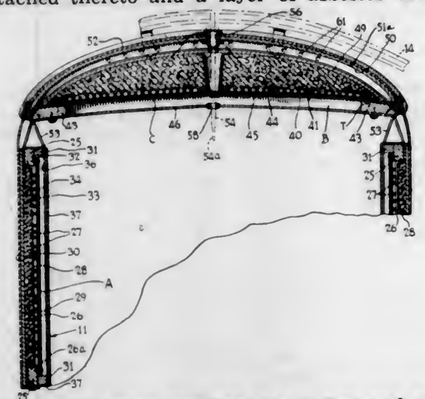


In a moving stairway in which each step comprises a frame having a riser portion and a tread portion, a tread plate provided with a plurality of longitudinally extending cleats for meshing with the teeth of a combplate at the end of the stairway, means for removably securing said tread plate to said tread portion of one of said steps, said means comprising a screw extending into a threaded aperture in said step frame, said tread plate having a depression through a cleat to receive said screw, and an insert for said depression, said insert having a slot to receive the head of said screw and a cleat portion for forming a bridge between the ends of said cleat at said depression, said screw having cross slots to enable it to be secured to said frame.

2,183,335
THERAPEUTIC DEVICE
David Brown McKendrick, New York, N. Y.
Application March 16, 1937, Serial No. 131,115
3 Claims. (Cl. 128—371)

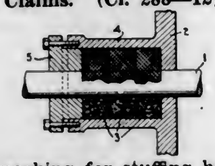
1. In a therapeutic heat treatment device of the character described, the combination of a horizontally disposed top section, a heating coil in said top section, a pair of independent opposed side sections, asbestos hinges for swingably interconnecting said side sections with said top section, each of said side sections comprising a rectangular frame, a plurality of spaced relatively narrow asbestos strips fixed to said frame, a heating coil attached to said strips, a second

rectangular frame overlying said first frame and attached thereto and a layer of asbestos cloth



covering the outer surfaces of said first and second frame.

2,183,336
MACHINERY PACKING
Norman Bruce Miller, New York, N. Y.
Application April 21, 1937, Serial No. 138,084
2 Claims. (Cl. 288—12)



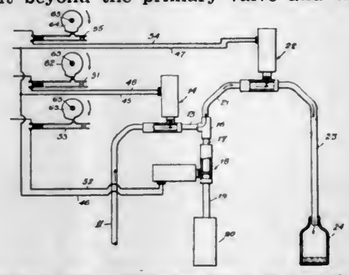
1. A joint packing for stuffing boxes and the like, comprising: a multiplicity of soft metallic strands twisted together in rope-like assembly, each of said individual strand elements consisting initially of a long straight ribbon of soft metallic foil having irregularly serrate side edges providing, in the twisted assembly, a myriad of minute interstitial cavities imparting a material degree of compressibility thereto and capable of retaining a quantity of lubricating material therein.

2,183,337
PROCESS OF INHIBITING DUSTING OF ARSENIOUS OXIDE AND PRODUCT THEREOF
Melville F. Perkins, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 9, 1937, Serial No. 119,836
6 Claims. (Cl. 23—243)

1. The process for inhibiting dusting properties of arsenious oxide which comprises commingling arsenic pentoxide therewith in quantity sufficient to absorb enough moisture in the said arsenious oxide to inhibit its dusting, but insufficient to impart any substantial amount of sensible dampness thereto.

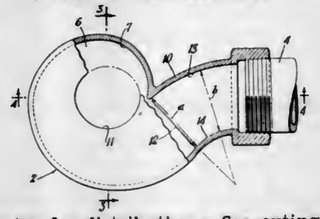
2,183,338
LIQUID SAMPLING APPARATUS
Ralph M. Slough, Findlay, Ohio, assignor to The Illinois Pipe Line Company, Findlay, Ohio, a corporation of Ohio
Application January 19, 1939, Serial No. 251,709
1 Claim. (Cl. 73—21)

A sampling apparatus for liquids comprising a conduit adapted to receive the liquid to be sampled, a primary control valve for the conduit, a discard conduit leading from the first-mentioned conduit beyond the primary control valve and adapted to withdraw from the system and discard stagnant liquid present in the conduits, a second valve for controlling the discard conduit, a sampling conduit connected to the first-mentioned conduit beyond the primary valve and adapted



to receive and withdraw from the system the liquid to be sampled, a third valve for controlling the sampling conduit, and means for causing the sequential operation of the valves so as to first withdraw through the discard conduit the stagnant liquid in the system, then withdraw a true sample of the liquid through the sampling conduit, and finally drain the liquid from the sampling conduit.

2,183,339
APPARATUS FOR DISTRIBUTING FIRE-EXTINGUISHING FOAM
Lewis G. Morris Timpson, Plainfield, N. J., assignor to Pyrene-Minimax Corporation, Newark, N. J., a corporation of Delaware
Application February 10, 1938, Serial No. 189,709
1 Claim. (Cl. 299—114)

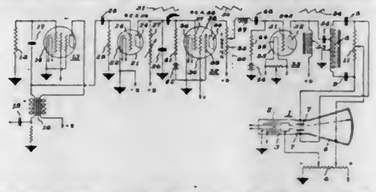


Apparatus for distributing a fire-extinguishing foam comprising a nozzle having walls defining an open spiral passage therein, a closed rectangular conduit communicating with said spiral passage, the width of said conduit in the plane of said spiral passage being substantially uniform in a region terminatng at the entrance to said spiral passage, and a circular opening in a side wall of said spiral passage with its center substantially opposite the asymptotic point of the spiral, the side wall of said spiral passage adjacent said circular opening being constructed and arranged to cause foam discharged through said opening to diverge outwardly from a circle lying substantially in the plane of said wall.

2,183,340
DEFLECTING CIRCUITS
William A. Tolson, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 27, 1935, Serial No. 18,491
7 Claims. (Cl. 250—27)

1. In combination, means for generating a sawtooth voltage wave which consists of a portion

of gradually changing amplitude in one direction which occurs during a useful deflecting period and a portion of rapidly changing amplitude in the opposite direction which occurs during a return line period, an amplifier stage including an amplifier tube, an output tube, said means and said output tube being coupled through said amplifier stage, and a wave utilization network



for producing a deflecting field to deflect a cathode ray, said network being coupled to said output tube and having the characteristic that it causes unavoidable distortion in a saw-tooth wave during its gradually changing and useful deflecting period, and said amplifier tube having a grid voltage-plate current characteristic which has the proper curvature to compensate for said distortion.

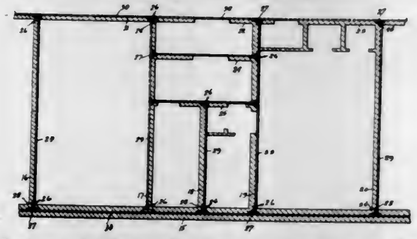
2,183,341

BUILDING CONSTRUCTION

Maurice X. C. Weinberger, Brooklyn, N. Y.

Substitute for abandoned application Serial No. 170,157, October 21, 1937. This application December 2, 1938, Serial No. 243,589

2 Claims. (Cl. 189—1)



2. In a building having intersecting walls, a structural frame for the building comprising a plurality of T-columns extending vertically in the walls at intersections thereof, each column having a web and flanges, and girders extending between the columns and secured thereto, the said columns having their webs and flanges entirely encased in the intersecting walls.

2,183,342

PLASTICIZING RUBBER

Ira Williams, Woodstown, and Carroll Cummings Smith, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 21, 1937, Serial No. 164,874

8 Claims. (Cl. 260—761)

1. The method of producing substantially nontacky unvulcanized rubber of decreased resistance to flow which comprises subjecting the unvulcanized rubber to the action of about 0.05 to about 0.8% of alpha-nitroso-beta-naphthol in the absence of sufficient amounts of a neutralizing material to neutralize the alpha-nitroso-beta-naphthol and for a sufficient length of time for said alpha-nitroso-beta-naphthol to effect a marked decrease in the resistance to flow of the rubber over that which the rubber would have if subjected to the same conditions in the absence of said alpha-nitroso-beta-naphthol.

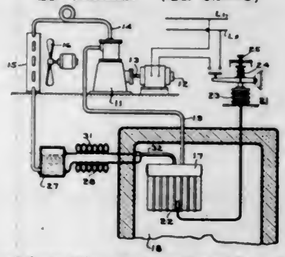
2,183,343

REFRIGERATION APPARATUS AND METHOD

Carl F. Alsing, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 1, 1937, Serial No. 134,231

13 Claims. (Cl. 62—3)



1. In refrigeration apparatus, the combination of a condenser, an evaporator, means for circulating refrigerant to the condenser for liquefaction therein and to the evaporator for vaporization and the withdrawal of heat therefrom, a flow restriction device disposed between the condenser and the evaporator and comprising a tube of considerable length and relatively small diameter, and a device comprising a chamber for liquefied refrigerant disposed between the condenser and said evaporator and embodying a portion in heat exchange relation with said tube for varying the flow of refrigerant therethrough.

2,183,344

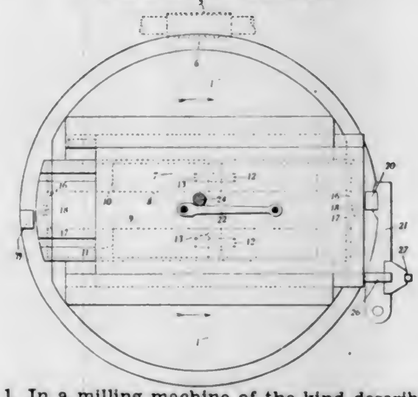
MILLING MACHINE FOR COPYING OR PROFILING

Harry Frederick Atkins, Old Fletton, Peterborough, England

Application September 21, 1938, Serial No. 230,913

In Great Britain August 11, 1937

6 Claims. (Cl. 90—13.7)



1. In a milling machine of the kind described, the combination with a stationary frame, a revoluble carrier head, means to intermittently revolve said carrier head, a slide mounted transversely displaceable on said carrier head, and means to mount a pattern and the work on said slide, of hydraulic means to traverse said slide across said carrier head, and a valve mechanism to control said hydraulic means in dependence upon the intermittent revolutions of said carrier head.

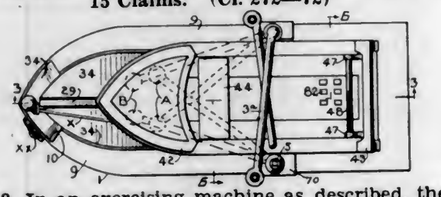
2,183,345

BOAT FOR EXERCISES

Alfred E. Brandon, New York, N. Y.

Application January 21, 1939, Serial No. 252,145

15 Claims. (Cl. 272—72)



8. In an exercising machine as described, the combination of a base member, a reciprocating platform supported by said base member, operative means between said base member and platform whereby one end of said platform is raised above the other or opposed end when said platform is being moved longitudinally of said base member, a pair of upright oars, mounting means for said oars carried by said base member, and extensions at either end of said oars, one adaptable for engagement with the lower portion of said platform and the other for actuating said platform along said base member.

2,183,346

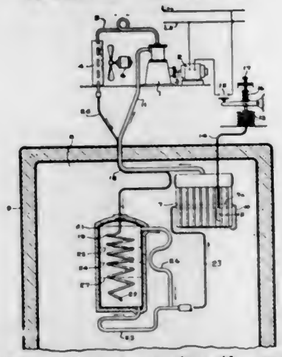
REFRIGERATION APPARATUS AND METHOD

Leslie B. M. Buchanan, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 1, 1937, Serial No. 134,229

Renewed June 27, 1939

10 Claims. (Cl. 62—3)



1. In refrigeration apparatus, the combination of an evaporator, a condenser, means for circulating refrigerant to said condenser for liquefaction therein and then to said evaporator for vaporization and to abstract heat therefrom, a capillary tube flow restrictor disposed between the condenser and the evaporator, and means for increasing or decreasing the restrictive effect on the flow of refrigerant through said tube, said last means comprising a chamber into which said capillary tube discharges, said chamber surrounding said tube and normally containing a body of refrigerant liquid partially immersing said tube, said chamber having a restricted communication for vaporized refrigerant with said evaporator so that refrigerant liquid vaporizes therein and cools the portion of the capillary tube which is immersed, and means for effecting a rise and fall of the level of the body of refrigerant in said chamber in response to changes in pressure in said condenser and evaporator, whereby more or less of said capillary tube is immersed and cooled by said body of liquid and the flow therethrough is increased or decreased.

2,183,347

PACKING MATERIAL

Julian A. Campbell, Long Beach, and Samuel C. Carter, Los Angeles, Calif.

No Drawing. Application December 21, 1936, Serial No. 117,000

1 Claim. (Cl. 106—7.5)

Packing material of the character described including, approximately forty percent (40%) flattened lead shot, approximately forty percent (40%) ground lead, approximately twenty percent (20%) ground graphite, rosin and oil.

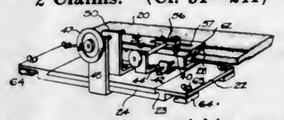
2,183,348

DEVICE FOR SHARPENING PICKER TEETH

Lester S. Eastman, Worcester, Mass.

Application April 13, 1938, Serial No. 201,748

2 Claims. (Cl. 51—241)



2. An attachment for a picking machine having a feeding chute and a revolving drum provided with picker teeth comprising a support, means for removably securing the same on the chute, a substantially stationary abrasive stone having an extensive face arranged to engage a plurality of picker teeth, a slide movable towards and from the teeth, means for adjusting the same, a pivotally mounted member which has a slide way substantially parallel with the drum axis, a second slide carrying the stone which is movable in the slide way, means for moving said second slide to reciprocate the stone across the teeth and means for pivotally adjusting the slide way member so as to swing the stone into uniform abrading contact with the teeth.

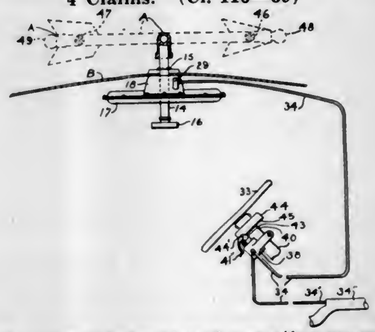
2,183,349

VEHICLE SIGNAL AND MEANS FOR OPERATION

Mitsuo Fukuhara, Tacoma, Wash.

Application August 22, 1938, Serial No. 226,060

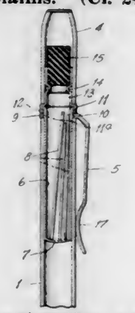
4 Claims. (Cl. 116—39)



2. A combined signal and operating means for

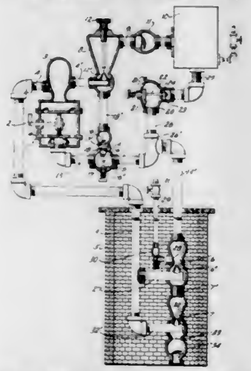
a car, including a crossbar at all times horizontally disposed with said car, a supporting pivot post for said bar, means for turning said post and turning said bar thereby from a normal position lengthwise of said car to a position crosswise thereof to indicate a change of direction of travel, a side arm extended from said post, a radius guide supported in front of said post for guiding said arm, said guide being provided with oppositely positioned movably mounted catches for temporarily retaining said arm and bar in two crosswise positions of said car, means for automatically disengaging said catches from said arm when said car is turned, and resilient means for returning said arm and bar to said normal position and for retaining the same thereat.

2,183,350
PENCIL BUSHING AND CLIP
Gerald A. Goessling, Webster Groves, Mo.
Application May 23, 1938, Serial No. 209,453
2 Claims. (Cl. 24—11)



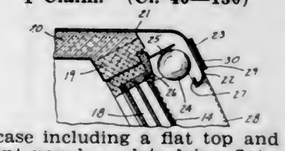
1. A pencil construction comprising a hollow barrel, a bushing fitting tightly therein and having a peripheral flange and a clip having a ring integral therewith fitting over said bushing between the end of said barrel and said flange, whereby said flange positions said bushing and said clip.

2,183,351
DEEP WELL PUMP
Thaddeus S. Harris, Waverly, Ill.
Application August 4, 1938, Serial No. 223,005
8 Claims. (Cl. 103—5)



1. In a deep well pump unit, the combination of a suction type force pump, a pressure reducing jet connected into the discharge pipe therefrom, said jet being disposed at the small end of a Venturi tube, a suction passage from said pump, extending to a well, a boosting unit in the well, connected to said suction passage, said boosting unit comprising a Venturi tube with jet at its lower end, said jet being connected by a closed passage to the discharge chamber from said pump, a by-pass passage from said suction passage to the small end of said Venturi tube which is connected into the discharge passage, a check valve in said by-pass passage and also an automatic valve assembly in said passage, said automatic valve assembly comprising a diaphragm chamber, a diaphragm across said chamber, said diaphragm being operably connected to said valve, one side of said diaphragm being exposed to atmospheric pressure while the other side is exposed to the pressure within the suction passage and a spring disposed to hold said automatic valve open, normally.

2,183,352
ILLUMINATING MEANS FOR SIGNS AND SHOWCASES
Frank J. Hoke, Brendenwood, Ind., assignor to Holcomb & Hoke Manufacturing Company, Indianapolis, Ind., a corporation
Application December 19, 1938, Serial No. 246,586
1 Claim. (Cl. 40—130)



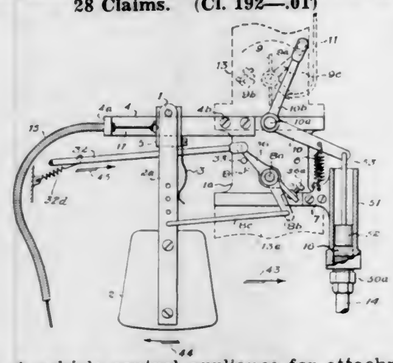
A showcase including a flat top and a transparent front panel, a plate lying flat upon said top and extending in a continuous unbroken horizontal plane from the rear to the front thereof and projecting beyond the front edge of said top, an apron formed integral with said plate and depending therefrom beyond the forward edge of said top, said apron having an aperture therein with its upper edge disposed a substantial distance below said plate, an advertising panel mounted on said apron over said aperture, and a light source between said panel and said apron wholly concealed by the latter and disposed behind said advertising panel.

2,183,353
ARTIFICIAL TEETH AND ENCASEMENT THEREFOR
Mischa Kroop, Brooklyn, N. Y.
Application June 17, 1939, Serial No. 279,639
2 Claims. (Cl. 32—9)



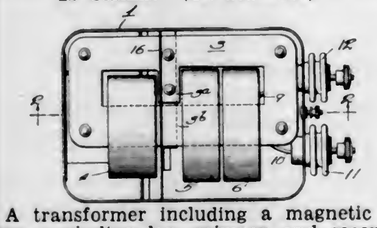
2. In a device of the character described, an artificial tooth formed with a concave bottom conforming to the shape of the gum of a person using the device, a substantially U-shaped recess at the rear extending from near the top of the tooth to near the bottom thereof, an inwardly extending groove positioned substantially midway between the top and bottom of the recess and a bore extending from each end of the groove into the tooth, and an encasement formed with a body adapted to snugly fit into said recess and fill the same, said encasement being formed with an embedded U-shaped rod having the ends projecting into said bores and the body thereof fitting into said groove whereby the tooth is anchored on the encasement so that it cannot have any movement independent of the encasement.

2,183,354
AUTOMOBILE CONTROL APPLIANCE
Edward H. Lange, Baltimore, Md.
Application December 30, 1935, Serial No. 56,663
28 Claims. (Cl. 192—.01)



1. A vehicle control appliance for attachment to an internal-combustion motor vehicle, said appliance having a manifold-insert unit for insertion between the carburetor and the intake manifold, a throttle valve in said unit, a governor upon said unit for controlling said throttle valve, means for controlling said governor, a valve-motor attached to said unit and operatively attachable to the power-controlling throttle valve of said carburetor, and a liquid-flow establishing and transmitting mechanism readily connectable between said valve-motor and the brake control member or the clutch control member, or between the valve-motor and each of said members, for controlling power of the internal-combustion motor by either of said members.

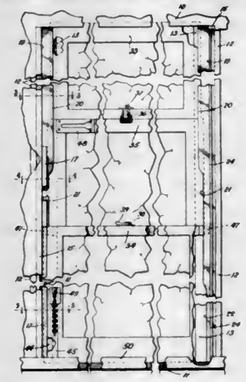
2,183,355
TRANSFORMER CONSTRUCTION
Leopold Mauerer, Chicago, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application August 22, 1938, Serial No. 226,064
12 Claims. (Cl. 171—119)



1. A transformer including a magnetic core having a winding leg, primary and secondary windings surrounding the winding leg, a magnetic shunt between the windings for diverting magnetic flux from the secondary winding, a conductive shield disposed around the winding leg between the primary winding and said secondary winding and shunt, and a casing enclosing the transformer, the shield extending to form a partition dividing the casing into two compartments with the primary winding in one compartment and the secondary winding and shunt in the other compartment.

2,183,356
WINDOW
Charles O'Toole, Brooklyn, N. Y.
Application May 13, 1939, Serial No. 273,488
13 Claims. (Cl. 20—42)

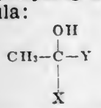
1. A window frame having side stiles, a sill and lintel, inner and outer stops, parting strips having three sections of progressively decreased depth from the top toward the bottom thereof, a top sash, a ventilator sash of greater width than said top sash, and a bottom sash of greater width than said ventilator sash, means whereby said top sash and said ventilator sash may be detachably connected for simultaneous or independent movement, slides movable between said



outer stops and said parting strips, a pivotal link connection between same and said upper sash, a second pair of slides movable between said inner stops and said parting strips, a pivotal link connection between same and said lower sash, pintles upon said ventilator sash, and supplemental inner stops adjacent the bottom of a frame spaced apart a distance less than the width of the lower sash but slightly more than the width of said ventilator sash.

2,183,357
MANUFACTURE OF DERIVATIVES OF UNSATURATED ACIDS
Patrick Dunbar Ritchie, David Trevor Jones, and Robert Burns, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 2, 1934, Serial No. 738,160. In Great Britain August 3, 1933
14 Claims. (Cl. 260—464)

1. A method of producing derivatives of alpha-beta-unsaturated monocarboxylic aliphatic acids which comprises pyrolyzing a compound having the chemical formula:

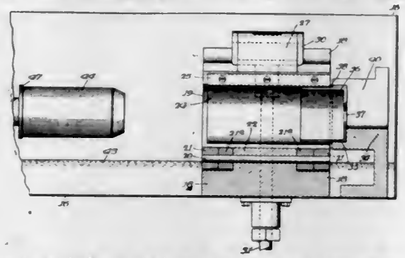


in which X designates a radical selected from the group consisting of hydrogen and alkyl groups, and Y is a radical of the group consisting of cyano, carbamyl, and lower carboalkoxy radicals, in which the hydrogen atom of the alcoholic hydroxyl group has been replaced by an acyl radical, the acid of which is volatile at the temperature of the pyrolysis.

2,183,358
PROCESS FOR MANUFACTURING PISTON RINGS
Walter J. Six, Indianapolis, Ind.
Application June 10, 1937, Serial No. 147,397
15 Claims. (Cl. 29—156.6)

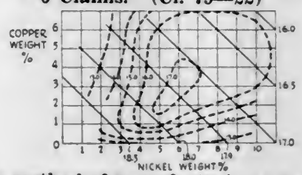
1. The process of manufacturing ferrous metal piston rings which comprises heating the rings above the critical temperature, partially quench-

hardening the rings and then expanding the rings and changing their shape to the desired



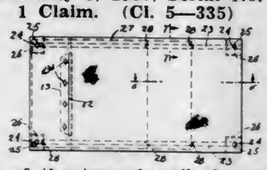
permanent form below the critical temperature and before the quenching is completed.

2,183,359
METHOD OF MANUFACTURE OF HEAVY METALLIC MATERIAL
Colin James Smithells, Rugby, England, assignor to The General Electric Company Limited, London, England
Application March 22, 1939, Serial No. 263,388
In Great Britain June 24, 1938
6 Claims. (Cl. 75—22)



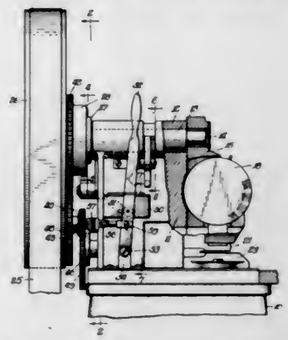
1. The method of manufacturing a new metallic material composed of tungsten, nickel and copper, said material having a density of not less than 16 gm./ml. and consisting of large grains of tungsten cemented together by a tungsten-nickel-copper alloy, there being not more than 1500 grains of tungsten per square millimetre of section of the material, which comprises the processes of forming an intimate mixture of nickel powder, copper powder and coarse tungsten powder, the composition by weight of the mixture lying within the range 3½–16½% of nickel, ½–13½% of copper and 83–96% of tungsten, subjecting said mixture to pressure so as to form a self-supporting body and sintering said body until said new metallic material is formed.

2,183,360
DETACHABLE COVER FOR QUILTS AND THE LIKE
Riva Sussman, New York, N. Y.
Application July 6, 1937, Serial No. 152,115
1 Claim. (Cl. 5—335)



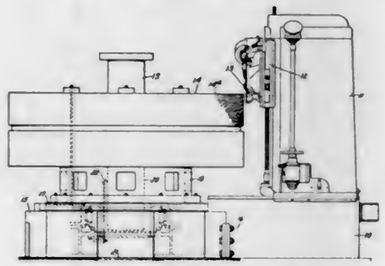
A device of the type described, comprising a rectangular casing having aperture means therein, a pair of strips of material of a length substantially equal to the length of said casing, cooperating separable fastening elements on the casing adjacent at the corners thereof and on the ends of said strips, respectively, and a quilt or the like secured to said strips in folded condition, said quilt, when unfolded, being substantially equal in length to the length of said casing, the overlapping portion of said folded quilt being secured by detachable fastening means to said strips at each end, respectively.

2,183,361
PERFORATING MACHINE
Hjalmar A. Swanson, Chicago, Ill., assignor to Cummins Perforator Company, Chicago, Ill., a corporation of Illinois
Application September 12, 1938, Serial No. 229,412
6 Claims. (Cl. 74—125.5)



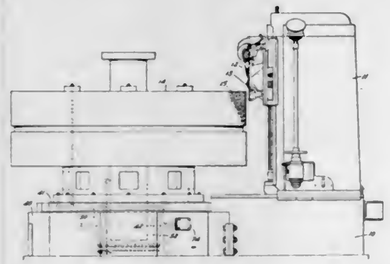
1. In a perforating machine of the power driven type, the combination with a clutch interposed between said machine and the driving means therefor, of mechanism operatively connecting with the driving means and having operation to trip said clutch once for every several revolutions of the driving means to cause perforating operations to occur successively, manually operable means for rendering said mechanism inoperative, an electric switch for starting and stopping said driving means, and a connection between said switch and said manually operable means whereby said means also controls the starting and stopping of the said driving means for the machine.

2,183,362
ROLLER BEARING MOUNTED WORK TABLE
William F. Zimmermann, Maplewood, and Granger Davenport, Verona, N. J., assignors to Gould & Eberhardt, Newark, N. J., a corporation of New Jersey
Application March 24, 1939, Serial No. 263,882
14 Claims. (Cl. 90—58)



5. A rotatable work table for a hobbing machine comprising a table member; an axle journaled in and overlaid by contiguous parts of the table; roller bearing means mounted upon the external periphery of said axle and an inner periphery of said table, said roller bearing means being also entirely overlaid by contiguous portions of said table; means operable from the underside of the table for adjusting said bearing means for wear; a base member for supporting said table; and means for securing said axle to said base after it has been journaled properly in said table.

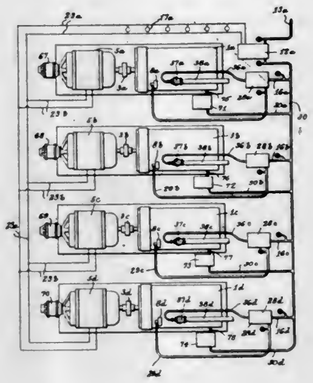
2,183,363
WORK TABLE
William F. Zimmermann, Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J., a corporation of New Jersey
Application March 24, 1939, Serial No. 263,883
8 Claims. (Cl. 90—58)



1. A hobbing machine work table comprising a hollow base member; a large diametered tubular sleeve secured centrally in said base and projecting upwardly therefrom, the outer periphery of said projecting portion being slightly tapered toward its upper end; annular guideways on said base member circumscribing said tubular sleeve; a rotatable table member mounted upon the guideways of said base, said table having a central hole formed therein and an axially tapered recess formed in its under surface adapted to receive the projecting tapered end of said sleeve; means for adjusting said sleeve axially to produce a bearing fit between the tapered surface thereof and the tapered recess of the table; and means for clamping said sleeve to the base in its vertically adjusted position.

2,183,364
CONTROL MEANS FOR A PLURALITY OF POWER UNITS
George B. Bailey, Sharon, Mass., assignor to Thermal Engineering Company, Boston, Mass., a corporation of Massachusetts
Original application April 13, 1936, Serial No. 74,017, now Patent No. 2,122,402, dated July 5, 1938. Divided and this application July 2, 1938, Serial No. 217,213
11 Claims. (Cl. 290—30)

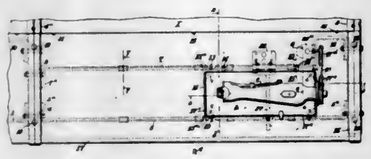
10. In a power system, a plurality of internal combustion engines one or more of which is connected for the delivery of power to a common power operated instrumentality independently of or in co-operation with one or more of the remaining engines of the system, a governor mechanism for each said internal combustion engine, control means for each said governor mechanism actuable by means representing a load factor of said engine, and a master control means operatively connected with each said first named control means actuable in terms of the power supplied to said common power operated instrumentality for modifying the operation of each said first named control means.



2,183,365
PREPARATION OF TITANIUM CONCENTRATES
James Eliot Booge, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 7, 1938, Serial No. 200,748
10 Claims. (Cl. 75—1)

1. A process for producing substantially iron-free titanium dioxide concentrates, comprising heating a titaniferous ore in the presence of a gaseous oxidizing medium to a temperature within the range of substantially 500–1000° C., and then subjecting the resultant oxidized ore to the action of gaseous hydrogen chloride, maintained at a temperature ranging from substantially 600–800° C.

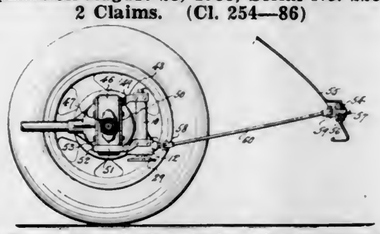
2,183,366
ALL-METAL POWER TABLE FOR SEWING MACHINES
Daniel H. Chason, Elizabeth, and Franklin A. Park, Jr., Westfield, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Substitute for abandoned application Serial No. 147,624, June 11, 1937. This application May 31, 1939, Serial No. 276,634
9 Claims. (Cl. 311—13)



1. In combination, a sewing machine power-table comprising spaced leg-members, a hori-

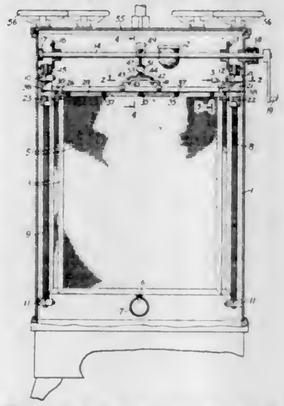
zontally disposed framework supported at its opposite ends by said leg-members, one element of said framework being horizontally adjustable relative to another element thereof, a table-top supported by said leg-members and provided with an aperture adapted to receive a sewing machine, a sewing machine mounted on said framework within said aperture, and a power-transmitter adjustably secured to the adjustable element of said framework and operatively connected with said sewing machine.

2,183,367
VEHICLE LIFTING JACK
Raymond S. C. Fow, Newark, N. J., assignor to Alfred De Cozen, Newark, N. J.
Application August 23, 1938, Serial No. 226,211
2 Claims. (Cl. 254—86)



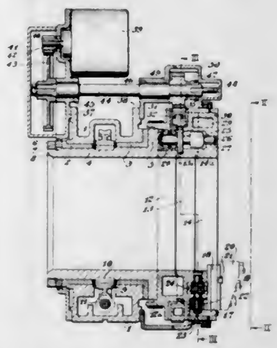
2. In a vehicle jack, a jack casing to support an extensible jack screw mechanism and operating means therefor, means for affixing said jack casing to the differential gear case of an automobile rear axle structure in a perpendicular position, said latter means comprising upper carrying brackets extending from the top end portion of said jack casing to abut the rear cover plate of said gear case so as to be affixed thereto by certain attachment bolts serving said rear cover plate, and lower carrying brackets extending from the bottom end portion of said jack casing transversely around said gear case to abut the front cover plate thereof so as to be affixed thereto by certain attachment bolts serving said front cover plate.

2,183,368
FILTER
Henry C. A. Meyer, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application February 3, 1937, Serial No. 123,744
4 Claims. (Cl. 210—182)



4. In a filter having a casing, a plurality of filter members positioned uprightly within the casing in mutual spaced relation, a plurality of scraper units comprising loosely mounted elements disposed between and resiliently urged into contact with the opposed surfaces of adjacent filter members, a plurality of independent travelers within the casing providing supporting means for said scraper units, a plurality of vertical feed screws rotatably mounted within the casing and engaging threaded portions of the respective travelers and about which said travelers may swing independently to assume operative positions relatively to said filter members, and means for simultaneously rotating said feed screws to effect movement of said travelers and scraper elements relatively to said filter members.

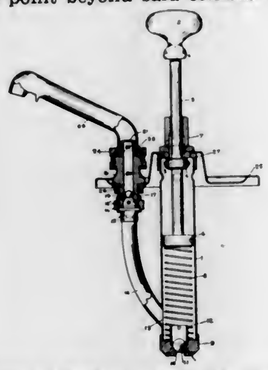
2,183,369
CHUCK
Charles H. Schurr, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application August 20, 1935, Serial No. 37,006
8 Claims. (Cl. 279—113)



8. A chuck comprising a frame, a plurality of jaws slidably carried thereby, each being provided with a thread, a plurality of threaded elements carried by the frame, one associated with each jaw and engaging the thread thereof, a non-reversible gear train connected to each threaded element, a common operating gear meshing with an element of each non-reversible gear train, and means for driving said common gear.

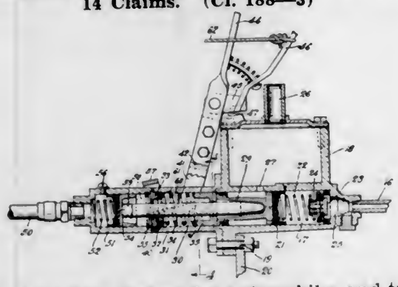
2,183,370
LIQUID MEASURING AND DISPENSING DEVICE
Henry Selitzky, Brooklyn, N. Y.
Application July 15, 1936, Serial No. 90,711
3 Claims. (Cl. 225—35)

1. A liquid dispensing device for dispensing liquid from a reservoir comprising a tube in communication with the reservoir, a piston therein and means for actuating said piston, means for preventing the return of liquid from said tube to said reservoir, a dispensing conduit communicating with said tube and extending therefrom, a check valve plug in said conduit adapted to travel and to seat therein and a seat for said plug in said conduit, said conduit having liquid orifices within the range of the travel of said plug, said conduit having an internal diameter and cross sectional shape corresponding substantially to said plug in the portion in which said plug travels, said plug being movable from its seat to a point beyond said orifices by pressure



of the liquid forced through the conduit by the plunger.

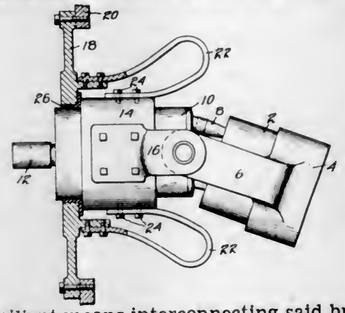
2,183,371
BRAKE FOR TRAILERS
Olof E. E. Stromberg, Chicago, Ill.
Application February 10, 1938, Serial No. 189,711
14 Claims. (Cl. 188—3)



1. A braking system for automobiles and trailers and the like comprising a fluid brake system on the automobile, a master cylinder associated with such system and adapted to be controlled by the operator, a fluid brake system on the trailer, a master cylinder associated therewith, a connection between the master cylinder on the automobile and the master cylinder on the trailer whereby when the brakes are applied by manipulation of the master cylinder on the automobile, the pressure generated in the automobile system causes manipulation of the master cylinder on the trailer to apply the brakes, an automatically releasable connection between the system on the trailer and on the automobile, and means responsive to excessive separation of trailer and automobile for releasing such connection.

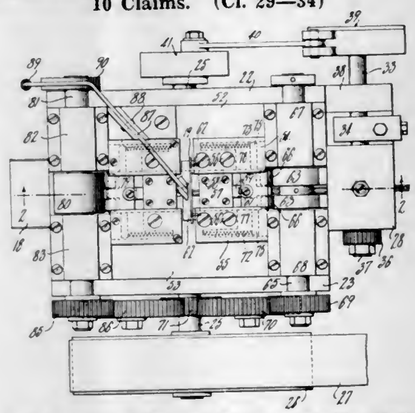
2,183,372
HYDRAULIC DEVICE
Hans Thoma, Karlsruhe-Baden, Germany
Application December 24, 1935, Serial No. 55,959
In Germany June 28, 1935
5 Claims. (Cl. 248—2)

1. In combination, a supporting panel having an opening therein, a device having movable elements capable of producing periodic impulses in a plurality of directions partially positioned within said opening, and means for supporting said device on said panel and preventing transmission of such impulses to said panel comprising a flanged-shaped member of resilient material positioned within said opening and on one face of said panel intermediate said device and said panel, a pair of brackets each attached at one end to said panel



and resilient means interconnecting said brackets and said device at a substantial distance from said panel.

2,183,373
APPARATUS FOR SHAPING FASTENER ELEMENTS
Edward J. Tuttle, Waterbury, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 2, 1937, Serial No. 151,625
10 Claims. (Cl. 29—34)

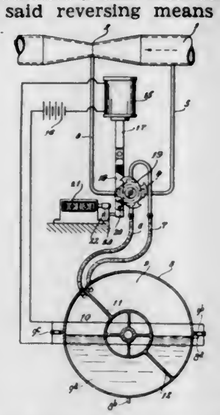


1. A machine for making separable fastener elements comprising a cutting die, means for feeding a predetermined length of preformed wire through said die, means for cutting off the length of wire to form an element blank, a shaping die having a through shaping passage therein, means for conveying said blank into one end of said passage, means for finally shaping said blank into an element within said passage, and means for discharging said element from the opposite end of said passage.

2,183,374
FLUID METER
William C. Walker, York, Pa.
Application January 7, 1938, Serial No. 183,765
13 Claims. (Cl. 73—206)

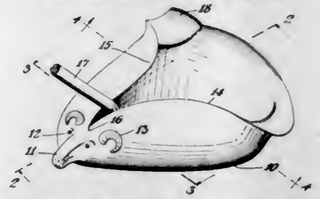
1. A fluid meter comprising means to produce a pressure difference as a predetermined function of the flow of fluid being metered, a housing, an auxiliary fluid in said housing, a measuring restriction located in said housing, means

to transmit an effect of said pressure difference to said auxiliary fluid at opposite sides of said restriction, means for reversing said transmitting means relative to said restriction, and means to actuate said reversing means after a given



volume of auxiliary fluid has passed through the restriction, said last mentioned means including means to vary said given volume in accordance with the variation of a characteristic of the fluid to be metered.

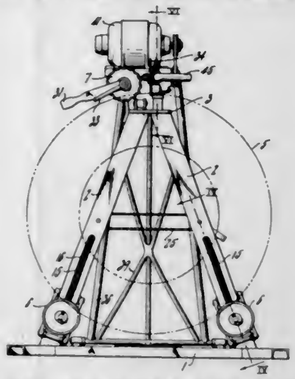
2,183,375
ASHTRAY
Guenther Weiske, Mission, Tex.
Application October 7, 1936, Serial No. 104,369
1 Claim. (Cl. 131—231)



An ash receptacle for cigars and cigarettes comprising a bottom portion, and side walls terminating in upper flanges, portions of said flanges being disposed inwardly of the side walls to form a flared opening at one end of the receptacle for the removal of burning parts and ashes, and for gripping a cigar or cigarette, other portions of said flanges being disposed outwardly of the side walls to provide rests for cigars or cigarettes.

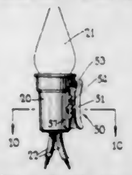
2,183,376
DEVICE FOR SLITTING TIRE TREADS
George F. Wikle, Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 11, 1938, Serial No. 224,266
4 Claims. (Cl. 164—60)

4. An apparatus for slitting treads of pneumatic tires, comprising a pair of sheaves adaptable for supporting a tire by peripheral engagement thereof, an indexing sheave substantially diametrically opposed to said pair of sheaves and adaptable for supporting the upper portion of a tire by peripheral engagement therewith, said indexing sheave having a plurality of notches, an arm engageable with the notches and a stop for limiting movement of the arm whereby manual operation of the arm imparts increments of rotary motion to a tire supported by the sheaves, a rotary knife mounted for reciprocal movement transversely of the tread of a tire, means for rotating the knife, a frame for sup-



porting the rotary knife and the knife rotating means, a link member pivotally connected to the frame at an end thereof opposite said knife, and means cooperable with the knife when engaging a tire for supporting the knife end of the frame and for simultaneously limiting the depth of cut of the knife.

2,183,377
ELECTRIC LIGHT SOCKET
Abraham Wolf, New York, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application December 16, 1937, Serial No. 180,085
11 Claims. (Cl. 240—10)



1. In an electric light holder, a husk of insulating material having a portion thereof raised above the outer surface, an attaching member comprising a single longitudinal strip of resilient material bent substantially in half to provide a pair of arms spaced from each other in superimposed aligned relationship adapted to grip a support therebetween, and means on one of said arms for slidably receiving therein said raised husk portion.

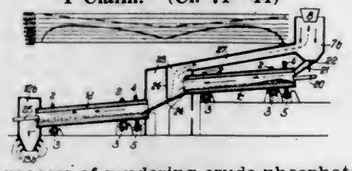
2,183,378
SAFETY PUSH BUTTON KNIFE
Edward J. Conklin, Bridgeport, Conn.
Application May 18, 1938, Serial No. 208,515
10 Claims. (Cl. 30—159)



1. In a safety knife comprising a pivoted blade, a manually operable locking means for the blade and a shiftable means for holding said first means in locking position including a resilient element,

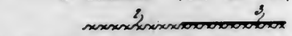
an inclined cam surface cooperating with said resilient element to shift the shiftable means to holding position.

2,183,379
PROCESS FOR PRODUCING A PHOSPHATIC FERTILIZER SOLUBLE IN CITRIC ACID
Hans Heinrich Franck, Berlin-Charlottenburg, and Franz Joseph Kaess, Neubabelsberg, Germany, assignors to Bayerische Stickstoff-Werke Actiengesellschaft, Berlin, Germany, a joint-stock company of Germany
Application July 29, 1936, Serial No. 93,202
In Germany August 3, 1935
1 Claim. (Cl. 71—44)



The process of rendering crude phosphate rock citrate soluble by removal of fluorine therefrom which comprises continuously feeding phosphate rock in the form of grains into a confined space, heating the grains by a current of hot gases passing in the same direction in the presence of water vapor and silica for a period sufficient only to effect a partial conversion of not more than 50% of the phosphate rock, scaling down the temperature to well below fusion of the eutectic composed of apatite, alpha tricalcium phosphate and impurities which form at the end of this heating stage, feeding the grains partly converted through a second confined space and thereupon again gradually increasing the temperature to above 1400° C. by conducting hot gases through said space countercurrent to the flow of the phosphate grains to complete the conversion, the temperature at all times being maintained above 1300° C. but below the softening point of the particular phosphate rock composition found at any stage of the heat treatment.

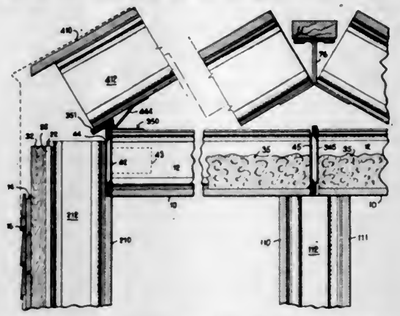
2,183,380
LAMINATED SHEET MATERIAL AND ARTICLE MADE THEREFROM
Victor H. Hurt, Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 5, 1936, Serial No. 94,358
3 Claims. (Cl. 41—21)



3. A bathing garment made of a laminated sheet material comprising a rubberized fabric layer and a decorative perforate rubber sheet secured to at least one face of said fabric and forming an exposed surface of the garment, the margins of the assembled parts of said garment being joined by an adhesive.

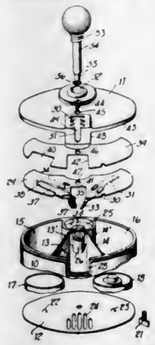
2,183,381
BUILDING CONSTRUCTION UNIT
Robert W. McLaughlin, Jr., New York, N. Y., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware
Original application September 25, 1936, Serial No. 102,451, now Patent No. 2,142,523, dated January 3, 1939. Divided and this application November 6, 1937, Serial No. 173,132
2 Claims. (Cl. 189—1)

1. In a device of the character described, in combination, a ceiling unit, a roof unit extending at an angle with said ceiling unit, a keying member secured to said ceiling unit and comprising a trough-shaped portion and an abutment portion, and a keying member secured to said roof unit and comprising an abutment portion and a ridge portion, said abutment portions having surfaces in contact with each other which are



relatively large compared to the cross-sections of said members, said cross-sections being those at right angles to said surfaces, said abutment portions abutting each other and said ridge portion being positioned in said trough-shaped portion, said abutment portions and said trough and ridge portions supporting the thrust of said roof unit and transmitting said thrust immediately and directly to said ceiling unit.

2,183,382
BATTERY OPERATED LIGHTER
Harry Negbaur, New York, N. Y.
Application June 3, 1939, Serial No. 277,200
18 Claims. (Cl. 175—296)



1. A battery operated lighter comprising a casing having a torch admission opening in the top thereof, a torch adapted to enter said opening and having a fuel carrying wick at the end and a conducting element near the wick, a dry cell battery in the casing, a contact connected to one terminal of the battery and disposed in the casing to be engageable by the conducting element on the torch when it is inserted into the opening, a heater coil having one end connected with the other battery terminal and disposed within the casing to be protected thereby and adjacent the wick when the torch is inserted, and a second contact connected with the other end of the coil and disposed relative to the first to be engaged by the conducting element on the torch.

2,183,383
LOADING MACHINE
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 7, 1936, Serial No. 78,433
10 Claims. (Cl. 198—8)

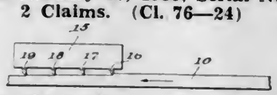


1. In a loading machine, a gathering and loading element comprising an elevating conveyer, an apron extending along each side of said conveyer and forwardly therefrom to the ground, the forward ends of each of said aprons being in the form of semi-frusto-conical sections, gathering means on each of said aprons including laterally projecting gathering arms, and means for positively deflecting said gathering arms downwardly towards the ground at their forward turning points to conform to the contour of said aprons.

2,183,384
ELECTRODEPOSITION OF NICKEL
Eugene D. Viers, Lakewood, and Bernard C. Case, Cleveland, Ohio, assignors, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 9, 1937, Serial No. 163,030
12 Claims. (Cl. 204—4)

8. A soluble anode for the electrodeposition of nickel from an acid bath comprising a relatively large percentage of nickel and a relatively small percentage of a dissimilar metal taken from the group consisting of cobalt, cadmium, lead, zinc and tin, wherein the dissimilar metals are in the following approximate proportions respectively: cobalt between 0.69% and 3.0%; cadmium between 0.37% and 1.6%; lead between 0.1% and 0.7%; zinc between 0.22% and 1.21%, and tin between 0.15% and 0.9%, whereby the resulting deposit comprises a pit-free gray plate having a thickness in excess of six ten-thousandths of an inch, and having a grain size above that of bright nickel, but below that at which pitting, due to grain size, occurs.

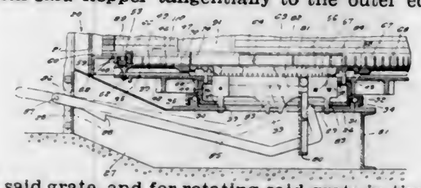
2,183,385
MANUFACTURE OF CUTTING FILES
William F. Wright, Lisbon, Ohio
Application January 10, 1939, Serial No. 250,128
2 Claims. (Cl. 76—24)



1. The method of producing a cutting file which comprises annealing the file blank, shaping the blank by punching, removing decarburized metal from the surfaces of the blank by broaching, cutting the file teeth, thereafter heating the blank by electrical induction without a protective coating over the teeth, and quenching the blank.

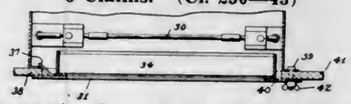
2,183,386
MECHANICAL STOKER
Milburn E. Yeager, Needham, Mass., assignor to National Engineering & Mfg. Co., Inc., a corporation of Rhode Island
Application February 11, 1939, Serial No. 255,851
6 Claims. (Cl. 110—36)

1. In a mechanical stoker, an annular rotatable grate, said grate comprising a plurality of sections having draft flow passageways extending laterally beneath the upper surface of said grate and communicating therewith, a fuel hopper, means for positively feeding measured quantities of fuel from said hopper tangentially to the outer edge



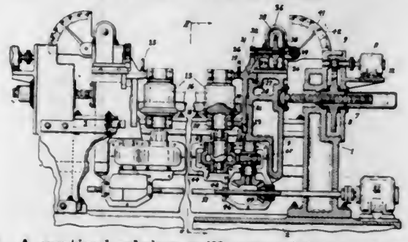
of said grate, and for rotating said grate in timed relation to the positive feed of the fuel, and means positioned at the outer edge of the grate and adjustably movable inwardly for guiding the burning fuel in concentric circles on said grate progressively toward the center of said grate.

2,183,387
AIR CONDITIONING SYSTEM
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application July 14, 1937, Serial No. 153,503
Renewed May 5, 1939
6 Claims. (Cl. 250—43)



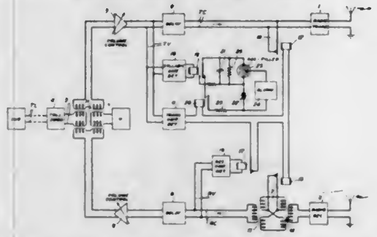
4. Apparatus for conditioning the air supplied to a vehicle having a passenger compartment, comprising an air conditioning unit located above the ceiling of said vehicle, a horizontal recirculated air grille in said ceiling, means forming a recirculated air passage connecting with said grille and said unit, said passage having substantially vertical walls above and immediately adjacent said grille, said grille having a plurality of closely spaced, upwardly extending members, said members and said walls having surfaces which efficiently reflect ultra-violet light, a plurality of elongated tubular ultra-violet lamps arranged above and substantially parallel to said grille and attached to said walls, and means accessible from said compartment for attaching said grille to said ceiling whereby it may be displaced for providing access to said lamps.

2,183,388
VERTICAL EDGING MILL
Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 25, 1937, Serial No. 150,254
9 Claims. (Cl. 80—31.1)



1. A vertical edging mill comprising means for supporting blanks as they pass through the mill, a vertical edging roll journaled on each side of said means, and means for effecting relative inclination between the roll axes and said supporting means in vertical planes extending longitudinally of said supporting means whereby to hold blanks down on said supporting means.

2,183,389
INDICATING CIRCUIT
Bjorn G. Bjornson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 14, 1939, Serial No. 250,940
5 Claims. (Cl. 177—311)



1. In a circuit for indicating undue noise operation of a signal-controlled switching device supplied from a source of signals subject to noise, a second switching device operative by signals but substantially unresponsive to noise, also supplied from said source, means for effectively balancing, on the basis of operated times, the operation of the first switching device against that of said second switching device, and alarm means operative when the ratio of the total operated time of said first switching device to that of the second switching device over a given interval of time is greater than a predetermined value.

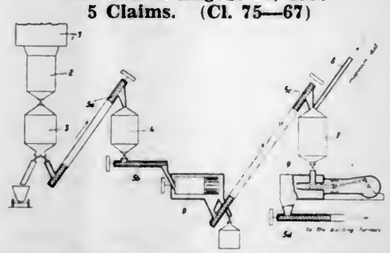
2,183,390
MORDANT AND METHOD OF MAKING SAME
Harold E. Bode, Chicago, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 20, 1937, Serial No. 164,797
8 Claims. (Cl. 8—97)

1. A mordant comprising a physico-chemical blend of ungelatinized starch and a water-insoluble, metallic oxide.

2,183,391
ALUMINUM BASE ALLOY
Otto Dahl, Berlin-Wilmersdorf, and Herbert Dallmann, Berlin-Karlshorst, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Application August 30, 1938, Serial No. 227,594. In Germany September 1, 1937
3 Claims. (Cl. 75—142)

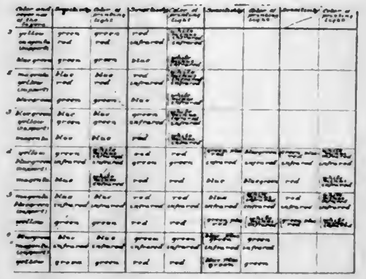
1. An aluminum base alloy subject to oxidizing conditions and contact with mercury, said alloy containing more than 0.3 per cent but not more than 1.5% copper, more than 0.3 per cent manganese, and 0.5 to 4 per cent magnesium, the remainder of said alloy consisting of aluminum, and the total content of copper and manganese being not greater than 5 per cent by weight of the alloy.

2,183,392
METHOD OF CONVERTING MAGNESIUM DUST INTO COMPACT METALLIC MAGNESIUM
Konrad Erdmann, Radenthein, Germany, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
Application August 2, 1938, Serial No. 222,624
In Austria August 16, 1937
5 Claims. (Cl. 75—67)



1. Process of converting magnesium dust into compact metallic magnesium by extracting the magnesium content therefrom by means of vaporization and subsequent re-condensation of the vapor, which process comprises mixing the magnesium dust with ground residue left behind as the non-volatile remainder in a previous operation involving vaporization of magnesium from magnesium dust, making the mixture into compacted bodies under high pressure without the addition of binding material, subjecting the briquettes thus obtained to a heat treatment to drive out the magnesium in the form of vapor, and condensing the vapor evolved.

2,183,393
PROCESS AND MATERIAL FOR PRODUCING THREE COLOR PHOTOGRAPHS AND CINEMATOGRAPHIC PICTURES ON A TRANSPARENT FILM
Béla Gaspar, Brussels, Belgium
Application November 16, 1932, Serial No. 642,960
In Germany November 17, 1931
26 Claims. (Cl. 95—2)



19. A process for printing color selection pictures onto a multi-layer printing material having a transparent support and three light sensitive silver halide layers colored blue-green, magenta and yellow, thus forming two surface layers for direct exposure and a colored light sensitive middle layer which must be exposed through one of the colored surface layers, one surface layer being predominantly sensitized for part only of the light which the layer transmits, the middle layer being predominantly sensitized for light rays which are transmitted by both the middle layer and the last mentioned surface layer and for which said surface layer is substantially

insensitive, the other outer surface layer being sensitized for light which the layer transmits, including light for which the opposite surface layer is sensitized and which is absorbed by the colored middle layer, which comprises, exposing one side of the multi-layer material behind a master image representing a color selection picture, the printing light used including light rays for which the surface layer is sensitized but excluding light rays for which the middle layer is sensitized and for which said surface layer is transparent, exposing the opposite side of the multi-layer material behind a master image representing a different color selection picture, the printing light including light rays for which the other surface layer is sensitive but excluding light rays for which the middle layer is sensitized and for which said surface layer is transparent, and exposing the middle layer behind a master image representing a third color selection picture, the printing light including light rays to which the middle layer is sensitized, the exposure of the middle layer being performed through the surface layer which is transparent for such light rays and the printing light for the middle layer excluding light rays for which said surface layer is sensitized.

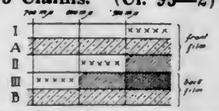
23. A light sensitive material for producing multi-color images comprising a transparent support and three light sensitive silver halide layers, the two outer layers being of the same predominant sensitivity, the middle layer being predominantly sensitive for another part of the spectrum, each of the outer layers allowing transmission of the light rays for which the layer is sensitized, and at least one of the outer layers being insensitive to and allowing transmission of light rays for which the middle layer is sensitized, the middle layer being colored by a dyestuff which is not removable by ordinary photographic treating baths but which is selectively removable under the influence of the silver image and which transmits light rays for which the layer itself is sensitized but absorbs the light rays for which both the outer layers are sensitized.

2,183,394

PHOTOGRAPHIC MATERIAL AND PROCESS FOR THE PRODUCTION OF MULTICOLOR PICTURES

Béla Gaspar, Brussels-Forest, Belgium

Application July 27, 1937, Serial No. 156,031
In Germany March 24, 1932
15 Claims. (Cl. 95—2)



1. A material for color photography comprising at least three superposed silver halide emulsion layers, each of which is sensitive to one of three primary colors including a colorless silver halide front layer predominantly sensitized to the blue spectral region and substantially insensitive to the other primary colors, a second silver halide layer predominantly sensitized for one of the other primary colors and colored yellow by a dyestuff which is not removable by ordinary photographic treating baths but which is selectively removable under the influence of the photographic image and which transmits light for which the third layer is sensitive, and a third silver halide layer predominantly sensitized for the remaining primary color but effectively insensitive to light for which the second layer is predominantly sensitized and which is transmitted therethrough, the light transmission characteristic of said material being such that all of said layers can be exposed from the front of said material to light for which they are predominantly sensitive.

15. The method of producing a subtractive multi-color picture from a multi-layer light sensitive silver halide material, having on a common support a colorless surface layer of silver halide emulsion and a differently sensitized silver halide layer which is uniformly pre-dyed by a reducible dyestuff resistant to the ordinary photographic treating solutions but capable of being locally destroyed under the control of a metallic silver image, which comprises exposing each of said layers to light to form latent images in the silver halide layers, developing the latent images to form silver images, coloring the colorless surface layer uniformly with a reducible dyestuff which transmits blue light and thereafter destroying the dyestuff in the surface layer and the pre-dyed layer at the points of metallic silver.

2,183,395

LIGHT-SENSITIVE MATERIAL FOR PRODUCING PHOTOGRAPHIC DYE IMAGES

Béla Gaspar, Brussels-Forest, Belgium

No Drawing. Application January 27, 1939, Serial No. 253,229. In Great Britain December 12, 1938
5 Claims. (Cl. 95—2)

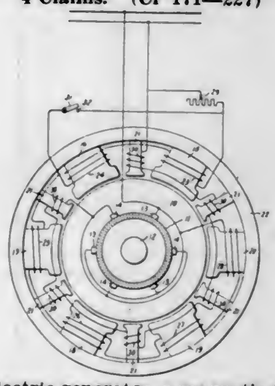
2. A light-sensitive multilayer material comprising several silver halide emulsion layers on a common support one silver halide layer containing both a dye that is resistant to ordinary developers but capable of being locally bleached by reduction in the presence of a metallic silver image, and a catalyst for dye reduction, at least one other layer comprising a dye of different shade and of a higher inherent bleaching speed, the amount of catalyst being such as to render the bleaching speed of the first dye substantially equal to that of the other dye.

2,183,396

DYNAMO-ELECTRIC MACHINE

Lanier Greer, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application April 28, 1938, Serial No. 204,871
4 Claims. (Cl 171—227)



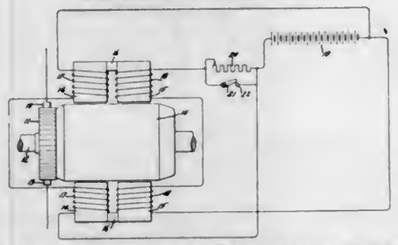
1. An electric generator, a magnetic field structure for said generator including a plurality of pole pieces, field exciting windings for said pole pieces, means for energizing said field exciting windings arranged to provide substantially magnetically saturated pole pieces, and means operable in accordance with predetermined operating conditions of said generator for connecting said field exciting windings to said energizing means and for varying the pole pieces substantially excited to saturation without producing any substantial excitation in pole pieces not substantially excited to saturation.

2,183,397

DYNAMO-ELECTRIC MACHINE

Johann Grünschneder, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York

Application April 28, 1938, Serial No. 204,901
In Germany May 21, 1937
6 Claims. (Cl. 171—227)



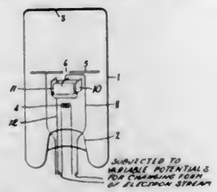
1. An electric generator having a magnetic field structure including a plurality of pole pieces, field exciting windings for said pole pieces, means for energizing said field exciting windings arranged to provide substantially magnetically saturated pole pieces, and means operable in accordance with predetermined operating conditions for connecting said field exciting windings to said energizing means and for varying the pole pieces substantially excited to saturation.

2,183,398

CATHODE RAY TUBE

Friedrich W. Hehlgans, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York

Original application May 23, 1933, Serial No. 672,489. Divided and this application November 7, 1936, Serial No. 109,712. In Germany June 4, 1932
3 Claims. (Cl. 250—163)



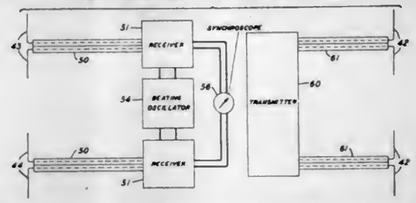
2. In a cathode ray tube, a fluorescent screen, means including a cathode and an anode for producing a stream of electrons and allowing a substantial proportion of said stream to impinge on said screen so as to produce thereon a luminescent spot, and means for controlling the shape of said spot, said last-named means including means for applying two different and adjustable electric forces to the electron stream at substantially the same point along its axis, said forces being applied transversely to the stream in mutually perpendicular directions, and both acting symmetrically on the stream to produce distortion thereof without simultaneously causing displacement of the axis of the stream.

2,183,399

ULTRA-SHORT WAVE ALTIMETER FOR AIRCRAFT

Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 15, 1937, Serial No. 142,809
16 Claims. (Cl. 250—1)



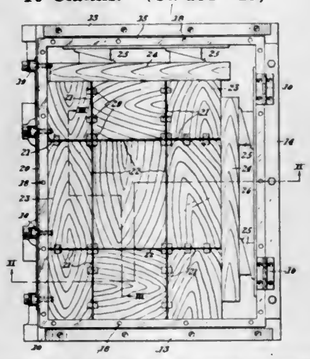
1. A method of determining the distance between two parallel surfaces including transmitting from a point near one extremity of the first of said surfaces an ultra-short wave modulated by approximately 30 per cent with a longer wave, receiving at a plurality of fixed points, said points being at different distances from said transmitting point respectively and said receiving points being near an opposite extremity of said first surface, a like plurality of components of said modulated ultra-short wave after reflection from said second surface, employing the relative phase of said ultra-short wave components to determine distances less than three times the distance separating the transmitting and receiving points, and employing the phase of the longer modulating wave constituent of one of said reflected components relative to the phase of energy from the local source of the longer wave modulating frequency to determine greater distances whereby indications over an extended range of distances may be obtained.

2,183,400

METHOD AND APPARATUS FOR CUTTING AND CREASING

Hanns R. Herrmann, Chicago, Ill., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania

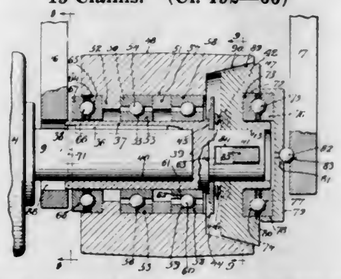
Application February 23, 1939, Serial No. 257,950
10 Claims. (Cl. 164—19)



10. In a bed and cylinder press, a cylinder, a bed, a flexible plate on the bed providing a backing for work-engaging means adapted to be disposed thereon and means cooperating with the bed and plate whereby the plate may be moved relatively to the bed, to permit make-ready material to be applied to the press so as to be disposed between the plate and bed when the plate is in

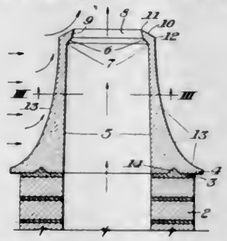
operative position on the bed, and thereafter moved back without adjustment to its original position.

2,183,401
CLUTCH
Oscar I. Judelshon, Park Ridge, N. J.
Application November 30, 1936, Serial No. 113,394
15 Claims. (Cl. 192—66)



14. In a clutch device, a shaft, a sleeve member slidably engaged on and rotatable with the shaft, a clutch member mounted on the sleeve member to revolve around and held against axial movement on the sleeve member, a second clutch member adapted to co-operate with said first clutch member mounted on the sleeve member to revolve therewith and have axial movement relative to the first clutch member, and means for causing a relative axial movement of said clutch members to cause them to engage and disengage without applying axial pressure to the shaft.

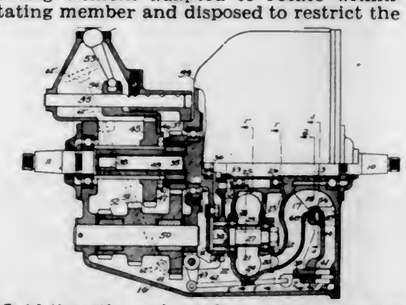
2,183,402
CHIMNEY CAP
Ezra W. Kepple, Greensburg, Pa.
Application February 18, 1939, Serial No. 257,123
12 Claims. (Cl. 72—88)



1. A rectangular chimney cap as described having a supporting base of maximum size for placement on a chimney and extended upwardly forming a wall around a middle gas circulation opening with inner confining faces terminating in a constricted shouldered outlet opening, the outer faces of the cap converging inwardly from the rim of the base and concaved upwardly with increasing radii to a common transversely plane, and then angularly deflected inwardly and upwardly to the edges of the outlet opening to form beveled air deflecting faces adjacent the outlet opening.

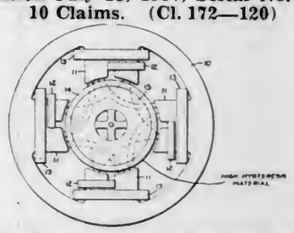
2,183,403
HYDRAULIC CLUTCH AND TRANSMISSION
Courtney N. Mitchell, Strongsville, Ohio
Application May 29, 1935, Serial No. 23,980
27 Claims. (Cl. 74—328)

1. In a device of the character described, a pumping means, a rotating member serving as a discharge passage for said pumping means, a rotating element adapted to rotate within said rotating member and disposed to restrict the flow



of fluid therethrough, and a gear means attached to said rotating element and disposed to control the relative rotation of other gearing engaging therewith.

2,183,404
HYSTERESIS TORQUE MOTOR
Wayne J. Morrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application July 13, 1937, Serial No. 153,356
10 Claims. (Cl. 172—120)



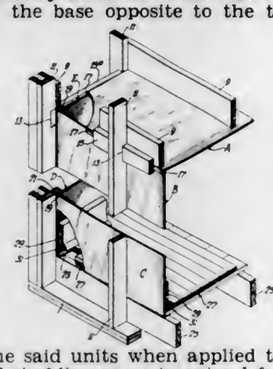
1. A hysteresis motor comprising a primary member provided with means for producing an alternating flux field having a rotating component and a relatively rotatable secondary within the influence of said field, said secondary comprising, an outer shell of high hysteresis magnetic material and an inner core of relatively low hysteresis magnetic material of sufficient permeability to cause a major portion of the rotor flux to pass therethrough.

2,183,405
TREATMENT OF ORGANIC COMPOUNDS
John F. Olin, Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, a corporation of Delaware
No Drawing. Application June 13, 1938, Serial No. 213,517
7 Claims. (Cl. 260—674)

7. The process of decolorizing an alkyl substituted aromatic hydrocarbon compound which comprises subjecting the said compound to a mild hydrogenation by mixing an aliphatic monohydric alcohol therewith, adding to the mixture a metal capable of replacing hydrogen in said alcohol, and thereafter washing the resulting material with water.

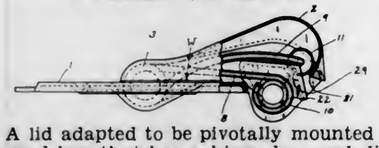
2,183,406
THERMAL INSULATION
Richard L. Parish, Brewster, N. Y.
Application April 3, 1937, Serial No. 134,696
Renewed May 4, 1939
12 Claims. (Cl. 20—4)

1. An improved heat insulation for building construction comprising metallic units adapted to be secured to the beams and studding of a building to define the ceiling and walls of a room, the said units comprising a steel base, a coating of terne-plate covering at least one surface of the base, and a finishing coating highly reflective to infra-red radiation closely adherent to the said base on the surface of the base opposite to the terne-plate



coating, the said units when applied to the said beams and studding so as to extend from one to another and with the finishing coating as the inside facing of the units, defining the finished walls and ceiling of the room, thereby dispensing with all extraneous wall materials, while being highly reflective on either side thereof to infra-red wave-lengths.

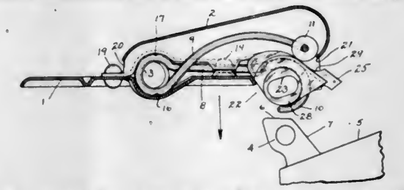
2,183,407
JOURNAL BOX LID
John J. Ruliancich, New Kensington, Pa., assignor to Union Spring and Manufacturing Company, New Kensington, Pa., a corporation of Pennsylvania
Application July 22, 1937, Serial No. 154,944
5 Claims. (Cl. 308—47)



1. A lid adapted to be pivotally mounted upon a journal box that has a hinge-lug, such lid including a plate, a hood, a spring having two arms tending to move relatively to one another under the tension of the spring, and a cam block, assembled as a unit and adapted to be applied as a unit, the cam block in such assembly, engaged by said arms of the spring, holding the spring under tension in position that characterizes open position with respect to the journal box, the plate of the assembled lid when the lid has been applied being movable pivotally from open position against augmented tension of the said spring, said cam block including passages adapted in the assembly to receive a hinge-pintle, said spring bearing on said block, when the lid is pivotally mounted on said hinge-lug, and being adapted to secure the lid in closed position on the journal box.

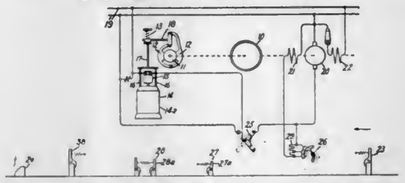
2,183,408
JOURNAL BOX LID
John J. Ruliancich, New Kensington, Pa., assignor to Union Spring and Manufacturing Company, a corporation of Pennsylvania
Application October 26, 1937, Serial No. 170,996
4 Claims. (Cl. 308—47)

1. In a lid adapted to be pivotally mounted upon a journal box that has a hinge-lug, such lid including a plate, a hood, a spring having two arms tending to move relatively to one another under the tension of the spring, and a cam block assembled as a unit and adapted to be applied as a unit, the cam block in such assembly engaged by said arms of the spring, holding the spring under tension in position that characterizes open position with respect to the journal box, the plate of the assembled lid when the lid has been applied



being movable pivotally from open position against augmented tension of the said spring, said cam block including holes adapted in the assembly to receive a hinge-pin; the refinement herein described in which said holes are oblong, and in which said hinge-pin has a diameter of less value than the major axes of said oblong holes, said spring bearing on said block and tending to shift the block transversely of the axis of said hinge-lug when the lid is pivotally mounted thereon.

2,183,409
END ZONE RETARDATION CONTROL SYSTEM
Karl Schiebeler, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application February 5, 1938, Serial No. 188,990
In Germany February 15, 1937
5 Claims. (Cl. 188—182)

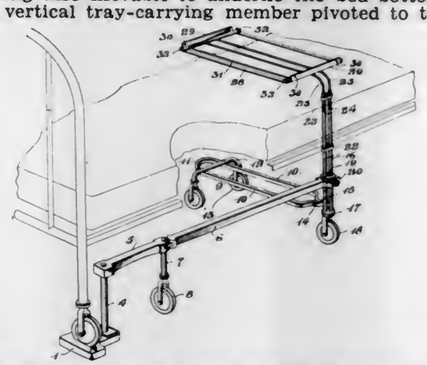


1. An end zone retardation control system for traveling cranes, loading bridges and the like apparatus comprising a mechanical brake for said apparatus, electro-hydraulic operating means for said brake, means responsive to the speed of said apparatus for controlling said operating means and means independent of said speed responsive means and automatically operable in response to the position of said apparatus within the end zone for modifying the control of said brake operating means.

2,183,410
BEDTRAY AND BEDSIDE TABLE
Guy F. Scriven, Sioux Falls, S. Dak.
Application September 24, 1938, Serial No. 231,603
3 Claims. (Cl. 45—60)

3. A bedside table, including a member formed to seat on a floor and having a caster-receiving part so as to hold the member against the floor by the weight of the bed, a vertical standard connected to the member so as to lie rearwardly of an end of the bed, a horizontal arm pivoted to the standard so as to be movable to underlie the bed bottom, a caster having a pintle connected to the outer end portion of the arm to support

the latter against downward movement, a second horizontal arm pivoted at its inner end portion to the caster pintle so as to be also supported by the pintle against downward movement, and being also movable to underlie the bed bottom, a vertical tray-carrying member pivoted to the



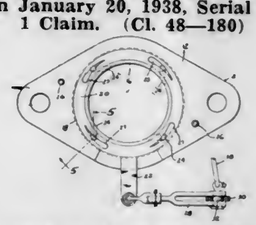
outer end portion of the second named arm, a caster connected to the lower end of said vertical member, an inwardly extending carriage connected at its outer end to said vertical member at substantially right angles thereto and to underlie the bed bottom, and casters carried by the inner end of the carriage.

2,183,411

AUTOMATIC OSCILLATING AND ROTARY AIR CONTROLLER FOR INTERNAL COMBUSTION ENGINES AND THE LIKE

Alois Skok and Noble O. Binley, Pasadena, Calif.

Application January 20, 1938, Serial No. 185,866
1 Claim. (Cl. 48—180)



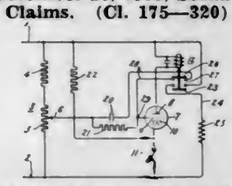
In the apparatus of the class described adapted for guiding and for controlling the fluid flow into the cylinders of the internal combustion engine, having a carburetter and the intake manifold, a gasket plate means connected to and positioned between the said carburetter and said manifold having a central groove positioned therein and a central passage for connecting said carburetter and said manifold, a plurality of air passages connecting said central groove, diametrically opposed in their position and leading at a tangent through the said gasket plate means into said central passage for guiding and directing the air inflow therethrough, air flow controlling means slidably disposed within said groove having elongated and gradually tapered passages positioned therein for controlling the flow of fluid therethrough and into said central passage in diversified volume, a cover plate means associated with said gasket plate means and positioned over the said slidably disposed controlling means for preventing its binding when in place and having a plurality of fluid passages positioned therein for interconnecting the fluid passages in said controlling means and the said gasket plate means, and regulating lever member connected to said controlling means for regulating the position of the said elongated and gradually tapered passages over said fluid passages in said gasket means and for controlling the fluid flow therethrough, and into said central passage, so that the incoming fluid, in diversified volume, may pass and be mixed with the incoming hydrocarbon and for breaking down its atomic structure during the operation of the said internal combustion engine.

2,183,412

TIME DELAY RELAY

Marvin B. Sledd, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 16, 1938, Serial No. 246,181
5 Claims. (Cl. 175—320)



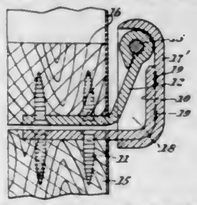
1. A time delay relay comprising a voltage divider arranged to be connected across a source of alternating current supply, a grid controlled electron discharge device having its anode and cathode connected with spaced points of said divider, a current responsive device in one of said connections, a capacitor connected between said grid and a point of said divider between said spaced points, a switch in said cathode connection, a resistor connected between said cathode and said divider at a point of the divider on the opposite side of said capacitor connection from said first mentioned cathode connection and means responsive to the operation of said current responsive device for reducing the effect of said capacitor on said grid.

2,183,413

HINGE

Edwin E. Slick, Pittsburgh, Pa.

Application March 4, 1937, Serial No. 128,977
6 Claims. (Cl. 16—135)



1. In a hinge, a pair of shank elements, an attaching plate portion extending from one end of each of said elements and adapted to be mounted upon a suitable door and frame construction, a hinge bearing portion extending from another end of one of said shank elements, and an enclosing shank element receiving the other end of the other shank element of said pair and being secured thereto, said enclosing element having a portion extending beyond an extending end of said other shank element and having a bearing portion on such extending portion, said enclosing element substantially enclosing exposed portions of said pair of shank elements when the hinge is in a closed relationship, and a pintle engaging said hinge bearing portion of said first-mentioned shank and said bearing portion of said enclosing element for pivotally mounting said shank elements in position with respect to each other.

2,183,414

FISHING ROD TIP PROTECTOR

Joseph B. Smith, Cleveland, Ohio

Application February 16, 1939, Serial No. 256,701
8 Claims. (Cl. 43—28)



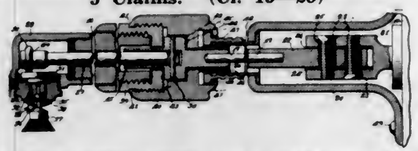
3. In angling tackle, a connector, comprising in combination, a body member, a link swivelly attached to the body member, and a resilient buffer member partially surrounding the link and intercepting the movement of the body member with respect to the other tackle.

2,183,415

POWER DRIVEN ROTARY TOOTH BRUSH OR THE LIKE

John A. Thommes, Chicago, Ill.

Application May 5, 1937, Serial No. 140,781
5 Claims. (Cl. 15—28)



2. In a power driven tooth brush or the like, the combination of a handle having a hollow head on one end thereof, said hollow head being sufficiently small for insertion into the mouth of a person using said brush and said hollow head having an aperture in one wall, a drive shaft journaled in said handle for rotary and axial movement with respect thereto, one end of said shaft extending into said hollow head, a driven member journaled in said aperture for rotatably supporting a brush, a driving member fixed on said extending end of said shaft, said driven member comprising a wheel having a substantially flat face, said driving member peripherally engaging the flat face of said wheel to provide a frictional driving connection therebetween, and a handle retaining coupling means adjustably engaging the end of said handle opposite from said hollow head, said coupling means being journaled on said shaft in fixed axial relation thereto and being adjustable relative to said handle to cause relative axial movement between said handle and said shaft to move said driving member radially across said face of said driven member and thereby vary the speed of rotation of said brush.

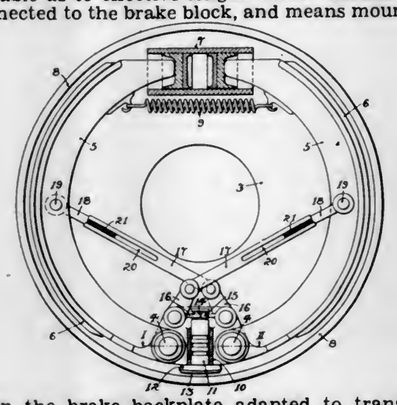
2,183,416

AUTOMATIC ADJUSTMENT FOR BRAKES

Ernst Trachsel, Zurich, Switzerland, assignor of sixty per cent to Walther Huessy, Aarburg, Switzerland

Application February 23, 1938, Serial No. 192,053
In Switzerland March 2, 1937
13 Claims. (Cl. 188—79.5)

1. In a brake assembly, a feeler member mounted upon the brake backplate and movable towards the brake drum in a length of path equivalent to the normal length of path of a brake block in braking, an adjusting member adjustable as to effective length under tension and connected to the brake block, and means mounted



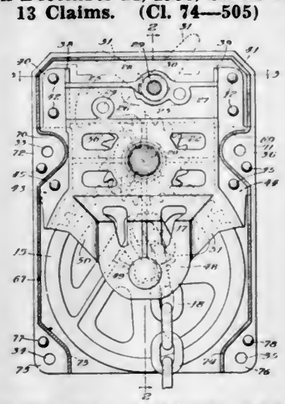
upon the brake backplate adapted to transmit the motion of the brake block through the adjustment member to the feeler member, until the latter makes contact with the brake drum.

2,183,417

HOUSING FOR HAND BRAKE MECHANISM

Edwin E. Van Cleave, Chicago, Ill.

Application December 14, 1936, Serial No. 115,798
13 Claims. (Cl. 74—505)



1. In a railway car hand brake, a housing and supporting means comprising a back plate member having its sides apertured to receive rivets and the like for securing it to a car body, a front frame member having spacing and supporting portions extending rearwardly and secured to said back plate member, shaft bearings in said members, a front cover plate having a rearwardly extending flange at the sides and top resting on the back plate member, said flange being secured to one of said members.

2,183,418

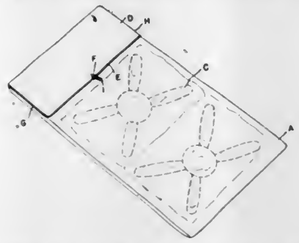
CONVERTIBLE COVERLET AND PILLOW

Helen F. Williams, Highland Park, Mich.

Application July 5, 1939, Serial No. 282,872
3 Claims. (Cl. 5—334)

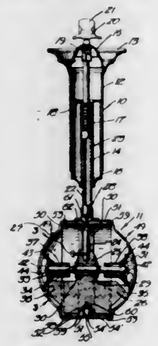
1. The combination with a coverlet, of a pocket extending across an end portion thereof and adapted to receive and retain the remainder of said coverlet when folded and tucked therein and

zipper elements extending completely around the margin of said pocket whereby the portions of the filled pocket on opposite sides of the center



thereof may be folded together and secured by said zipper elements with the tucked portions completely enclosed.

2,183,419
MOBILE ASHTRAY
Edgar H. Barbé, Santa Monica, Calif.
Application August 6, 1936, Serial No. 94,513
1 Claim. (Cl. 248—129)

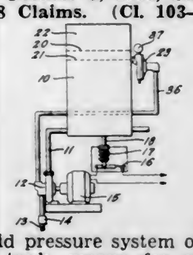


A mobile, self-righting support including an upright standard, a counterweight to which the lower end of said standard is secured, said counterweight having a peripheral recess, an axle journaled at its central portion through said counterweight and held against axial movement relative thereto, a rotating supporting base including complementary, substantially hemispherical shells on the axle ends and enclosing the counterweight with the edges of their adjacent ends spaced apart to form an annular channel through which the standard extends, each shell being formed in a single piece with a tread portion having a flange extending inwardly into the recess of the counterweight, and each shell having therein an axial bearing structure secured to its closed end and supporting one end of the axle, and an annularly shaped finishing plate within the recess of the counterweight and bridging the space between the shells at opposite sides of the standard, said finishing plate having outwardly extending flanges along its sides which encompass the inwardly extending flanges of the shells, said finishing plate being secured at and along its central portion to the counterweight within the recess and having yieldable end portions projecting beyond the counterweight toward opposite sides of the standard whereby assembly of the shells about the counterweight is facilitated.

2,183,420
PURIFICATION OF LEAD AND ALLOYS THEREOF
Gustave E. Behr, New York, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 10, 1938, Serial No. 239,773
3 Claims. (Cl. 75—78)

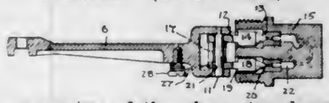
1. A method for removing zinc from lead and lead alloys which comprises melting the metal to be purified and while agitating it at a temperature above the solidifying point thereof adding ammonium chloride thereto, in the absence of added chlorine gas, and removing the zinc chloride skim formed thereby.

2,183,421
FLUID PRESSURE SYSTEM
Francis E. Brady, Connersville, Ind.
Application October 5, 1935, Serial No. 43,710
18 Claims. (Cl. 103—6)



1. In a fluid pressure system of the character described, a tank, means for supplying liquid under pressure to said tank, means for replenishing air absorbed by the liquid in the tank to maintain the desired liquid level in the tank comprising a chamber having a restricted communication with the tank at the desired liquid level, a check valve providing passage of air to said chamber, and means for changing the volume of said chamber to force air therefrom into said tank.

2,183,422
BOILER SIGNAL CONTROL
John Rowland Brown, Cleveland Heights, Ohio, assignor to The Reliance Gauge Column Company, Cleveland, Ohio, a corporation of Ohio
Application November 14, 1936, Serial No. 110,785
2 Claims. (Cl. 137—102)



1. In apparatus of the character described, a float-actuated lever, a valve body having on its inner lower portion a horizontal fulcrum pin mounting the end of said lever, a horizontal pivot pin in said lever positioned normally over and in the same vertical plane as said lever fulcrum, a valve plunger pivoted on said last named pin and extending outwardly in a steam exit passage to close against a valve seat in said valve body when said lever is in its uppermost position substantially horizontal, a second valve plunger pivoted by a lost motion slot to the same pin carrying the first valve plunger and extending outwardly through another steam exit passage to close against another valve seat in said valve body, such lost motion allowing the second valve plunger to open when said float actuated lever has fallen to a lower level, and a spring supported by a projection on the lever at a point inward of the fulcrum

and extending outwardly against the end of the lost motion valve plunger to force it against the valve seat when the lever permits.

2,183,423
BOEHM SYSTEM CLARINET
Oscar E. Christensen, Salt Lake City, Utah
Application August 6, 1938, Serial No. 223,545
6 Claims. (Cl. 84—382)

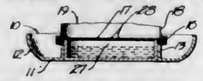


1. In a clarinet of Boehm type, means providing a C—G tone hole, a key pad covering said tone hole, and means for lifting said pad, said tone hole producing the tones C and G respectively with the B-flat and F tone holes respectively covered.

2,183,424
MOLD MATERIAL FOR CASTING METALS
George C. Clark, Beverly Hills, Calif.
No Drawing. Application August 5, 1938, Serial No. 223,277
5 Claims. (Cl. 22—188)

4. A mold to receive metal castings having a wall formed of slightly resilient expanded mica particles held together by a binder and porous to the escape of gas therethrough.

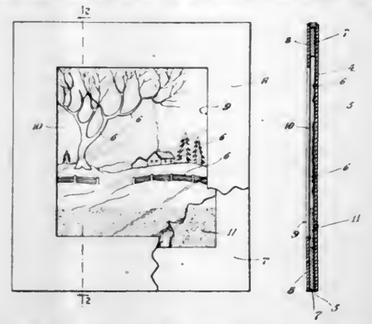
2,183,425
SMOKER'S ACCESSORY
Rollie B. Fageol, Beverly Hills, Calif.
Application May 10, 1937, Serial No. 141,659
3 Claims. (Cl. 131—234)



1. A smoker's accessory comprising an ash tray formed with a raised central portion and a circumscribing tray portion, the raised central portion being of a configuration to receive the perforated lower end of a conventional cigarette receptacle, a lighter, and a base member therefor, said base member being cupped to detachably fit over the mouth of the receptacle, and when the receptacle is removed to fit over the raised central portion of the ash tray, the raised central portion of the ash tray being formed to receive water by which the contents of the receptacle may be humidified.

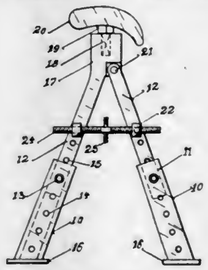
2,183,426
DISPLAY DEVICE
Henry A. Hart, Bayside, N. Y.
Application August 5, 1939, Serial No. 288,525
2 Claims. (Cl. 40—160)

1. In a device of the kind described, a backing, a covering on said backing formed of paper having adhering characteristics, designs embossed on said paper, a mat surrounding the design, a cover secured to said mat, a transparent member slightly smaller than the mat and secured to the



cover and a powdered material between the transparent member and the embossed design.

2,183,427
APPARATUS FOR STRAIGHTENING OUT DEFORMITIES IN MUDGUARDS
Hans Hou, Elmhurst, N. Y.
Application November 27, 1937, Serial No. 176,831
1 Claim. (Cl. 248—157)

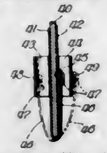


A device of the class described, useful in the process of straightening out deformities in automobile mudguards and comprising, a pair of lower legs formed with hollow rectangular openings therein, a pair of upper legs of a rectangular shape adapted to telescope within said lower legs, one of said upper legs being formed with an enlargement adapted to hingedly receive the other one of said upper legs therein, said enlargement being made with a square opening in its top surface, whereby to receive a mudguard-shaping member, annularly-shaped members formed with threaded openings therein, and being pivotally secured to the upper legs, a bar threadedly mounted in said annularly-shaped members, whereby to move the legs towards or away from each other, and a handle arranged upon said bar, whereby to operate the latter and manipulate the apparatus into close contact with the portion of the mudguards to be straightened.

2,183,428
PURSE KIT
Agnes H. McNary, Chicago, Ill.
Application January 24, 1938, Serial No. 186,610
2 Claims. (Cl. 150—34)

1. In a purse kit, a substantially rigid backing, a pair of straps, one disposed on each outer side of said backing and each strap being secured to the backing at both ends to form oppositely located fixed loops for retaining articles in position against the backing on each side thereof, attachment means on each of said loops, and an

auxiliary strap attached at one end to said backing and having attachment means at its free



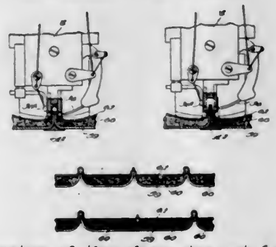
end for engagement with the attachment on either end of said fixed loops.

2,183,429

APPARATUS FOR MANUFACTURING PLAITED UPHOLSTERY WITH MISMATCHED SEAMS

Allister S. Mitchell, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application February 6, 1937, Serial No. 124,483
26 Claims. (Cl. 112—2)



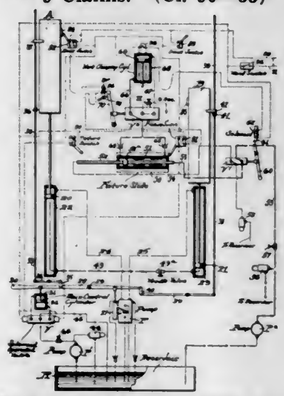
1. Apparatus of the character set forth, comprising: a transverse series of sewing-mechanisms; means for operating said sewing-mechanisms continuously; mechanism for feeding a lining-fabric and precut cover-fabrics to and past said sewing-mechanisms; and means responsive to the travel of said cover-fabrics for raising and lowering said sewing-mechanisms to regulate the sewing of seams in said cover-fabrics.

2,183,430

INTERLOCKED DUPLEX BROACHING MACHINE

Kenneth C. Monroe, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine

Application February 23, 1938, Serial No. 192,118
9 Claims. (Cl. 90—33)



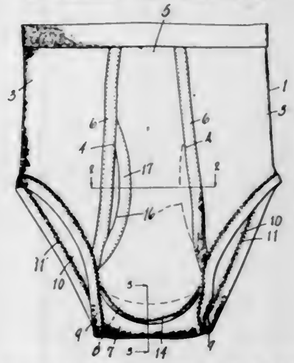
1. A duplex broaching machine comprising a pair of alternately operative and oppositely moving broaching rams, a fixture slide, a device to clamp a piece of work thereon when said slide is in loading position, means to move said slide transversely to present said piece of work while clamped thereon successively in operative relation to both of said rams and to return said work to loading position, and control devices operatively interlocking said rams, slide and clamping device, so that no movement of said rams or slide can occur until the clamping device has been rendered operative.

2,183,431

UNDERGARMENT

Walter C. Powell, Muskegon, Mich., assignor to Amazon Knitting Company, Muskegon, Mich.

Application September 24, 1938, Serial No. 231,463
3 Claims. (Cl. 128—159)



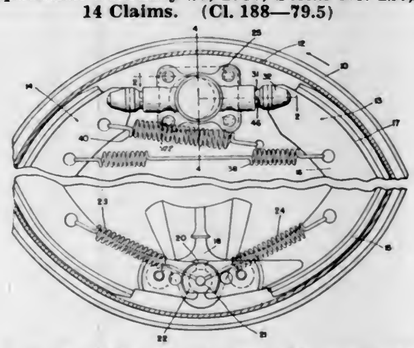
3. An undergarment comprising a rear portion and side and crotch portions connected thereto and outlining therewith a pair of leg openings, said side portions terminating in spaced edges on the front of the garment, and a front panel disposed between said edges and stitched thereto, said crotch portion having a tongue extending forwardly and downwardly and the panel having an extended end stitched to said tongue to provide a pouch of predetermined size connected to but distinct from said crotch portion.

2,183,432

BRAKE MECHANISM

Edward O. Reynolds, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application February 23, 1937, Serial No. 127,262
14 Claims. (Cl. 188—79.5)



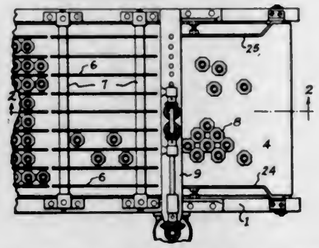
1. In a brake mechanism, the combination with a brake drum and a backing plate for said drum, of brake friction means supported on the backing plate in said drum for circumferential movement relative to the backing plate and having spaced ends, an adjustment device having a bracket located between said ends and having a member carried by the bracket for sliding movement in a direction parallel to the axis of the drum to adjust the ends of the friction means, and means supporting the bracket on the backing plate in frictional engagement therewith for limited movement generally radially and circumferentially of the brake drum.

2,183,433

MEANS FOR ARRANGING ARTICLES

James A. Rheinstrom, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application August 11, 1937, Serial No. 158,537
8 Claims. (Cl. 198—30)



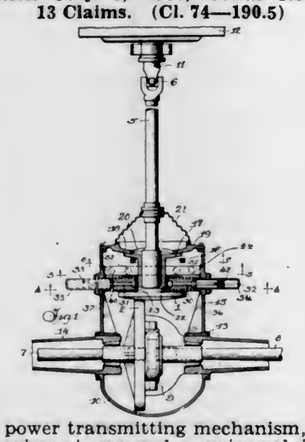
1. In a device for arranging articles in files, in combination with a conveyor for moving the articles and a vane, overlying said conveyor for defining files into which the articles are to be arranged, a rotating driven element located in front of said vane and adapted to contact said articles during their movement on said conveyor, said element comprising a vertical shaft having a deflecting action upon said articles, and having an offset portion which upon rotation exerts a jogging action on said articles.

2,183,434

SELF-ADJUSTING POWER TRANSMISSION

Elwood E. Smith, Chicago, Ill.

Application July 6, 1937, Serial No. 152,090
13 Claims. (Cl. 74—190.5)



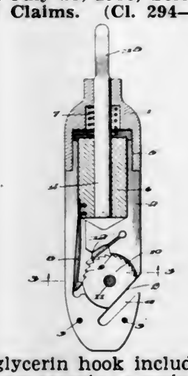
1. In power transmitting mechanism, a driving shaft having at one end a universal joint connecting the driving shaft with the source of power and mounted at its other end in a floating bearing, a driving disc on the floating end of said driving shaft, a driven element driven by said driving disc, said floating bearing being capable of movement in all directions laterally of said shaft, and yieldable resistance means for controlling said lateral movements.

2,183,435

NITROGLYCERIN COMBINATION HOOK

Word Augustus Thornton, Amarillo, Tex.

Application July 25, 1938, Serial No. 221,271
6 Claims. (Cl. 294—83)



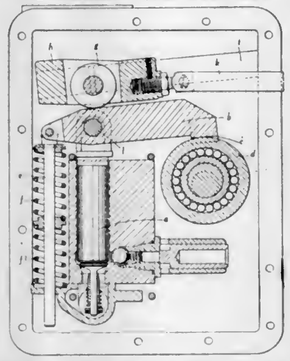
1. A nitroglycerin hook including a casing, a movable plunger carrying a spring pawl engaging a notched wheel, said notched wheel normally closing the hook and rotatably supported in position to open the hook when moved by the plunger and pawl.

2,183,436

RECIPROCATING RAM PUMP

John Maurice Towler and Frank Hathorn Towler, Yorkshire, England

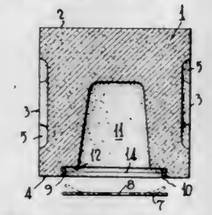
Original application June 2, 1937, Serial No. 146,038. Divided and this application August 23, 1938, Serial No. 226,386. In Great Britain October 28, 1936
1 Claim. (Cl. 103—38)



In a reciprocating ram pump, means for varying the stroke of the ram comprising, in combination, a rocking lever, a pivot adjacent one end of said lever and serving to connect the lever to the outer end of the pump ram, a bearing surface forming the outer longitudinal edge of said lever, said surface being normally inclined to the axis of the pump ram, a fulcrum for said lever, said fulcrum bearing against the normally inclined sur-

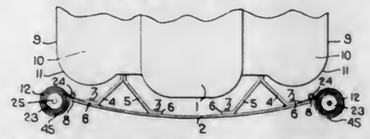
face on said lever, a mounting for said fulcrum, a fixed guide for the slidable reception of said mounting, said guide being inclined so as to be parallel to the normal inclination of the outer longitudinal edge of the lever, means for moving said mounting along said guide to vary the stroke of the pump ram, means of oscillating the rocking lever in the direction necessary to impart a discharge stroke to the pump, said means comprising a ball or roller bearing which is mounted directly upon a driven circular eccentric, the periphery of said bearing being in rolling contact with the rocking lever at the end which is remote from the pump ram, and further means engaging the opposite end of the rocking lever for effecting the return movement of the lever and the suction stroke of the pump ram, the arrangement being such that for every position of the fulcrum the inner end of the pump ram always comes to rest at the same distance from the opposing end of the pump bore on each discharge stroke whilst the angular thrust on the ram is on one side of the ram during the inward stroke and on the opposite side of the ram on the return stroke.

2,183,437
STOCK FEEDING BLOCK
George A. Walter, Ithaca, N. Y.
Application March 22, 1939, Serial No. 263,573
3 Claims. (Cl. 40—10)



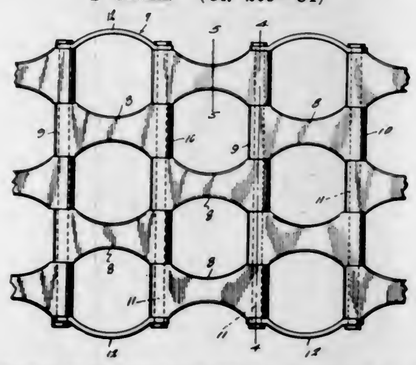
2. In a stock feeding block, a block of granular material having a flat surface, a stake hole adapted to receive a supporting stake extending inwardly from said flat surface, groove means disposed adjacent and inwardly of said flat surface and communicating with said stake hole, and a flat indicia bearing member having snap fit engagement with said groove means and supported thereby inwardly of and adjacent said flat surface, the end of said supporting stake, in normal use, extending inwardly in said stake hole past said groove, said indicia bearing member being provided with aperture means facilitating attachment of said indicia bearing means to said block and removal therefrom by insertion of a finger in said aperture.

2,183,438
AUTOMOBILE BUMPER
Louis Zaiger, Lynn, Mass.
Application March 4, 1939, Serial No. 259,822
13 Claims. (Cl. 293—55)



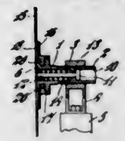
1. The combination with an automobile having a bumper element such as constitutes standard equipment for automobiles and comprising an impact bar, of a T-shaped extension for the bumper element which is separate structurally therefrom and comprises a resilient stem portion and a body portion extending transversely to the stem portion and having a generally rounded exterior surface extending the length thereof, and means to secure the stem portion to the bumper adjacent one end thereof and in a position extending parallel thereto and with the body portion extending vertically immediately beyond the end of the bumper and in alinement therewith, the vertical dimension of the body being considerably greater than that of the impact bar, whereby said body extends considerably above the impact bar.

2,183,439
VEGETABLE GRADER BELT
John Achatz, Hooper, Colo., assignor of one-half to S. B. Collins, Hooper, Colo.
Application November 19, 1937, Serial No. 175,532
Renewed October 3, 1939
1 Claim. (Cl. 209—84)



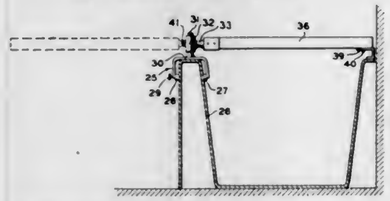
A belt of the class described comprising a plurality of pivotally connected links, each link being formed from a substantially rectangular metallic plate of uniform width throughout and including rolled end portions providing transverse barrels for the reception of connecting pins, the length of the barrels corresponding to the width of the plate, the longitudinal marginal portions of the plate between the barrels being bent at substantially right angles on inwardly and oppositely curved lines and providing arcuate flanges.

2,183,440
FASTENING DEVICE FOR COVERS AND THE LIKE
Harold Randolph Barnicoat, Kingston-on-Thames, England, assignor to Simmonds Development Corporation Limited, London, England
Application January 16, 1939, Serial No. 251,258
In Great Britain February 7, 1938
7 Claims. (Cl. 287—20)



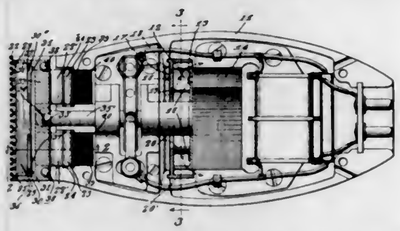
1. A fastening device comprising a spigot member which is adapted to be secured to one part to be fastened and which is formed with a head comprising two parts, one part being integral with the spigot shank and having a gapped lateral groove and an axially directed channel and the other part comprising a member slidable in said channel and means adapted to open and stop the gap in the groove on relative axial movement of said slidable member, a flange adapted to be secured to a second part to be fastened and to be brought into engagement with the said groove after the flange has been aligned with the groove at the gap therein, and a spring urging the said slidable member outwardly to bring the said means into position to stop the gap in the groove and prevent disengagement of the said flange.

2,183,441
VANITY OR SIMILAR ATTACHMENT FOR BATHTUBS
George B. Bentz, Bronx, N. Y.
Application August 17, 1938, Serial No. 225,489
10 Claims. (Cl. 4—185)



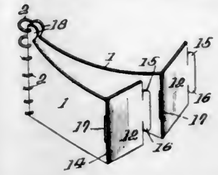
1. A bathtub attachment comprising an arched clamp to straddle a bathtub side wall, the crown of said arched clamp being provided with a rigid upstanding cylindrical stud, a bearing sleeve rotatably surrounding said stud and provided with a horizontally projecting neck, a horizontal plate having upstanding flanges one of which is joined to said neck, and an elongated tray having one end of its bottom secured upon said plate, said tray having upstanding walls secured to said flanges.

2,183,442
ELECTRIC VACUUM SHAVER
Herbert H. Blackwell, Roanoke, Va.
Application June 21, 1938, Serial No. 214,979
2 Claims. (Cl. 30—43)



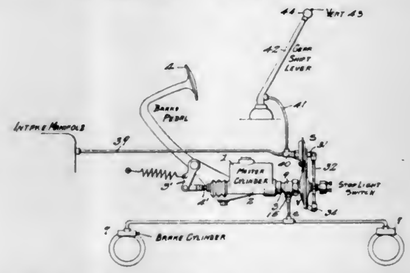
1. An electric vacuum shaver comprising a hollow handle, an electric motor in the handle, a fan connected to the motor to be driven thereby, a comb on the handle having a median row of obliquely disposed slots and having rows of diamond-shaped openings on opposite sides of the median row, said slots and said openings permitting hair being drawn through the hollow handle by the fan, a cutter head coacting with the comb to simultaneously sever long hairs through the slots and stubble through the diamond-shaped openings, and means connecting the cutter head to be driven by the motor, said comb being deformed outwardly to provide a pointed ridge, said cutter head being provided with a pointed ridge which nicely fits within the ridge of the comb, both of said ridges confining the cutter head to rectilinear reciprocatory movement.

2,183,443
BOOK TOY
Charles E. Bracker, New York, N. Y.
Application June 27, 1938, Serial No. 216,128
3 Claims. (Cl. 46—12)



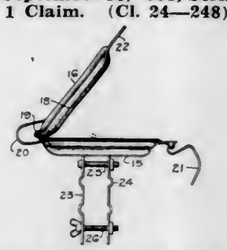
1. A book toy, comprising a plurality of leaves of broadly like size and configuration, capable of being extended from and collapsed to book form at will, and superposed when in book form one on the other, a common binding at all times along similar side edges of the several leaves, and on which binding each leaf is separately, independently and directly mounted in such manner as to be rotatable completely thereabout, through more than 360°, members on said leaves, foldable into planes approximately at right angles to the planes of said leaves, and means on said members, cooperating with adjacent leaves, for removably securing said members, when folded, to said adjacent leaves, for spacing the leaves a proper distance from each other, and for fixing the assembly when the leaves are opened and assembled into the shape of a toy.

2,183,444
AUXILIARY CONTROL FOR HYDRAULIC BRAKES
Douglas Collins, Salisbury, N. C.
Application February 25, 1938, Serial No. 192,619
11 Claims. (Cl. 188—152)



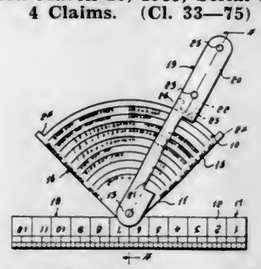
1. The combination with an automotive propelling engine and its intake manifold, a hydraulic braking system having a master cylinder, a brake cylinder, and a line connecting said cylinders, of a normally open valve in the line between the cylinders, control means for said valve comprising a fluid pressure operated servo-motor having a vent pipe normally open to the atmosphere, said servo-motor being in constant communication with the intake manifold, and said vent pipe being adapted to be capped and thereby rendered inaccessible to atmospheric pressure to cause suction to develop differential fluid pressure within the servo-motor to close the valve.

2,183,445
FISHING LINE CLAMP
Bruce L. Conterman, Central Square, N. Y.
Application September 16, 1938, Serial No. 230,308
1 Claim. (Cl. 24—248)



A line clamp for fastening to a fishing pole, comprising matched undulated stationary and movable jaws, side flanges formed on the movable jaw, a pintle type hinged connection between the jaws, a leaf spring associated with both jaws next to the pintle hinge connection and active for the swinging of the movable jaw away from the stationary jaw, a spring-like snap latch carried by the movable jaw and having an upwardly and outwardly extending inwardly curved finger-engaging piece, and a keeper lip formed on the stationary jaw in the path of said latch for engagement thereby and the holding of the jaws in closed relation to each other.

2,183,446
SQUARING AND BEVELING TOOL
Jay Ulysses Davis, Maquon, Ill.
Application March 16, 1939, Serial No. 262,249
4 Claims. (Cl. 33—75)

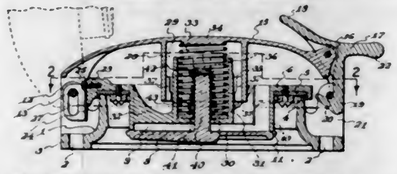


1. A tool of the class described having a bar provided with parallel inner and outer straight edges, a segment extending from the bar, said segment having straight edges angularly disposed and both spaced from adjacent portions of the said inner straight edge of the bar, and a gage arm movable over the segment from an axis adjacent the junction of the bar and segment.

2,183,447
LIGHT-SENSITIVE MATERIAL AND METHOD OF MAKING THE SAME
Cornelis Johannes Dippel, Roelof Jan Hendrik Alink, and Klaas Jannes Keuning, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
No Drawing. Application August 1, 1938, Serial No. 222,536. In Germany August 9, 1937
6 Claims. (Cl. 95—6)

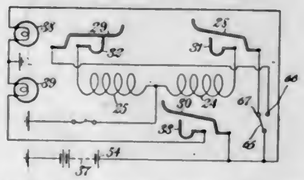
1. A light-sensitive material adapted to be physically-developed after exposure by the application of a developing solution, comprising a support of a transparent lyophile colloid, a light-sensitive system within a portion of said support and comprising a diazonium compound and a metal salt which is reducible to a metal in an aqueous solution, and means within said portion to produce local variations in the concentration of the diazonium compound and to reduce the gradation value of the light-sensitive system, said means comprising a colloidally-dispersed material which is substantially not dissolved by the developing solution during the formation of the image.

2,183,448
RELIEF VALVE FOR TANKS
Phillips Brooks Drane, Tulsa, Okla.
Application December 18, 1937, Serial No. 180,643
14 Claims. (Cl. 220—44)



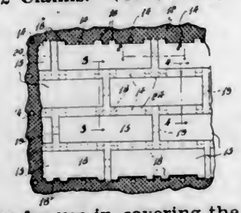
1. A pressure relief valve for tanks comprising a man hole ring adapted to be secured to a tank around a man hole, a valve seat formed on the upper side of said ring, a pressure plate cooperating with said seat and having a passage therethrough, a hinged hood hinged to the ring at one side thereof, latching means carried by the free end of the hood and cooperating with detent means carried by the ring for holding the hood in closed position, interengaged chambered members carried by the hood and the pressure plate, a bayonet slot connection between the interengaged members, said interengagement being maintained by a partial rotation of the pressure plate and a hinged connection between the pressure plate and the ring adjacent the hinging point of the hood.

2,183,449
ELECTROMAGNETICALLY OPERATED SWITCH FOR USE IN MOTOR VEHICLE HEADLIGHT DIPPING ARRANGEMENTS
Charles James Evans and Stanley Charles Evans, Lowestoft, England
Application March 24, 1937, Serial No. 132,872
In Germany March 31, 1936
9 Claims. (Cl. 175—375)



1. An electromagnetic switching system comprising two sloenoid units each comprising a baseplate, a solenoid rigidly supported thereon, a core slidably engaged therein and a displaceable member rigidly connected with the core and adapted as a consequence of the slidable movement thereof to be moved from one to another of a plurality of positions, each of said cores being adapted upon energisation of the solenoid of one solenoid unit to be displaced in one direction and upon energisation of the solenoid of the other solenoid unit to be returned to its primary position, a control switch having a movable contact and a plurality of fixed contacts corresponding in number with the number of positions capable of being occupied by each of the displaceable members, means adapted upon movement of the movable contact of the control switch into engagement with one of the fixed contacts to cause the solenoid of one solenoid unit to be energised whereby the core of this unit is caused to move each of the displaceable members and the core of the other solenoid unit each from one to another of its said positions, mechanical locking means adapted to retain each of the cores and displaceable members each in the position to which it is moved upon energisation of the said solenoid so long as the solenoid of the other solenoid unit is de-energised, means adapted upon movement of the movable contact of the control switch into engagement with another fixed contact to cause the solenoid of the other solenoid unit to be energised whereby the core of this unit is caused to return each of the displaceable members and the core of the first solenoid unit each to its primary position, mechanical locking means adapted to retain the cores and displaceable members each in its primary position so long as the solenoid of the first mentioned solenoid unit is de-energised, switching means distinct from the displaceable members secured to the baseplate of one of the solenoid units adapted as each of the cores approaches the end of its movement in the first mentioned direction to be actuated by the displaceable member of this solenoid unit to de-energise the solenoid of the first mentioned solenoid unit, and further switching means distinct from the displaceable members secured to the base-plate of one of the solenoid units adapted as each of the cores approaches the end of its return movement to be actuated by the displaceable member of the solenoid unit carrying the said further switching means to de-energise the solenoid of the second mentioned solenoid unit.

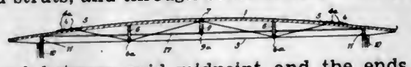
2,183,450
FACING UNIT
Domenico Filangeri, Brooklyn, N. Y.
Application June 6, 1938, Serial No. 212,150
2 Claims. (Cl. 72—19)



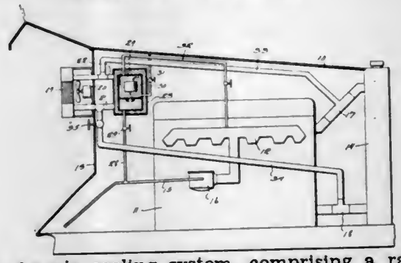
1. In bricks for use in covering the outer sides of frame structures, a brick of rectangular form, a relatively narrow lug projecting from at least one end of the brick, relatively narrow spaced lugs projecting from opposite side edges of the bricks, the lugs being in the plane of the inner faces of the bricks and spaced from the plane of the outer face of the bricks, the bricks adapted to be laid in staggered relation with adjacent lugs abuttingly contacting, the sides and ends of the bricks being free of projections between said lugs and a cement filling between the bricks and inclosing three sides of the lugs.

2,183,451
ARCHED ROOF CONSTRUCTION
Friedrich Förster, Berlin-Wilmersdorf, Germany
Application October 31, 1938, Serial No. 238,034
In Germany November 2, 1937
4 Claims. (Cl. 108—1)

1. An arched truss comprising a board having a plurality of longitudinally spaced holes therein, vertical struts fixed to said board, and a band extending through one of said holes adjacent the midpoint of said board, beneath the free ends of said struts, and through other of said holes positioned between said midpoint and the ends of said board, whereby diagonal bracing is formed; said band being continued around and between said ends of said board to form a lower chord, and said chord being tightened to arch said board.



2,183,452
AIR CONDITIONER FOR AUTOMOBILES, BUSES, AND THE LIKE
James T. Gibbs and William P. Young, Sweetwater, Tenn.
Application March 12, 1938, Serial No. 195,643
2 Claims. (Cl. 62—169)

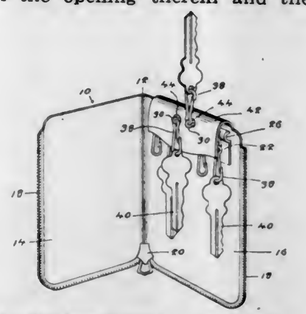


1. An air cooling system, comprising a radiator including heat transfer tubes through which fluid is passed, means for effecting a circulation of air across said tubes, a fluid receptacle, connecting means between the top and bottom portion of said receptacle and said radiator whereby a closed fluid circuit is established through the receptacle, the conducting means and said tubes, a second receptacle within the first receptacle and surrounded by the fluid therein, a volatile fluid within said second receptacle, means for supplying volatile fluid to the second receptacle into the lower part thereof, a valve controlled apertured diaphragm within the second receptacle, float means controlling said valve whereby the introduction of fluid into the second receptacle is controlled to maintain a fluid free area in the upper part thereof, means for introducing air into the second-mentioned receptacle above said diaphragm and into the volatile fluid, and means for drawing off vapor from the fluid free upper portion of the second receptacle whereby to effect rapid evaporation of the volatile fluid and a reduction in the temperature of the same and of the fluid in the first receptacle.

2,183,453
KEY CASE
Olaf Halvorsen, Chicago, Ill.
Application February 23, 1939, Serial No. 258,032
1 Claim. (Cl. 150—40)

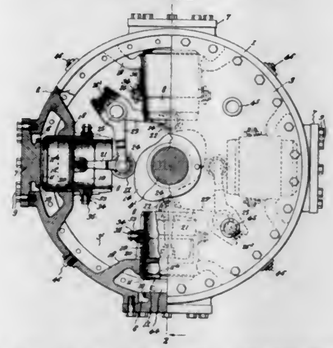
A key case comprising first and second walls pivotally connected together to be folded toward each other to provide a case, a tab extending from one end of said second wall and adapted to be folded toward the second wall to normally lie inside the case between said first and second walls, said tab having an opening, and a plurality of key mounts movably supported on said second wall adjacent said tab, one of said key mounts projecting through said opening and said tab normally being folded over the other key mounts, with the tab so fashioned as to expose all the

keys attached to said key mounts when said tab lies folded over the key mounts, said tab being adapted to move the key mount projecting through the opening therein and the key at-



tached to the key mount to a position separated from the other key mounts and keys connected therewith when said tab is folded away from said second wall.

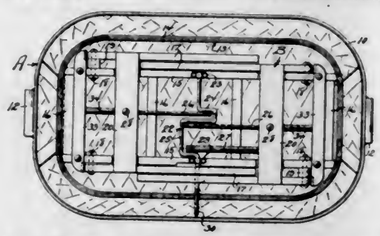
2,183,454
POWER TRANSMISSION OR CLUTCH
William D. Huff, Lafayette, La.
Application April 21, 1938, Serial No. 203,449
11 Claim. (Cl. 192—60)



1. In an improved power transmission and clutch, drive and driven members, a drum for containing fluid fixed to one member, abutments on the drum, cylinders carried around with the drum and movable relatively to the drum toward and from said abutments, pistons mounted to reciprocate in said cylinders, cam connections between said pistons and the other member, and means for causing the automatic reciprocation of the cylinders toward and from the abutments concurrently with the rotation of the drum, said means including means for controlling the throw of movement of said cylinders relatively to said abutments and also including means to suspend the reciprocating movement of the cylinders when said first-named means is positioned to disconnect the driven member from the drive member.

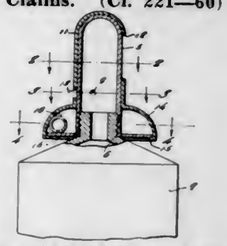
2,183,455
COMBINED BASKET AND STAND THEREFOR
Frank L. Humphrey, Wichita, Kans.
Application October 3, 1938, Serial No. 233,071
2 Claims. (Cl. 248—150)

1. The combination of a basket body, a frame fixedly held within the body, swinging legs pivoted to said frame and movable to folded and unfolded positions, a double cranked shaft journaled on the frame between the swinging legs and having a crank handle exteriorly of the body at one side thereof, springs connected with the legs and with different cranks of the said shaft for starting the legs toward folding position, springs connected with the body and with said legs for sustaining the latter when unfolded and



also for changing their direction of pull when moving to folded position, and a spring connected to one of the cranks of the shaft and to the frame for changing the direction of pull of the second-named springs and exerting a sudden sharp downward thrust to the legs by the passing of the activity of the said second-named springs from one side of the axis of swing of the legs to the other side thereof.

2,183,456
CLOSURE CAP FOR PASTE TUBES
Henry Howard Kelner, Wenatchee, Wash.
Application April 28, 1939, Serial No. 270,632
2 Claims. (Cl. 221—60)

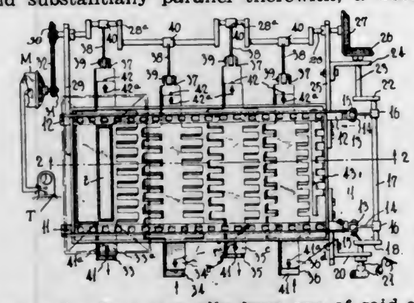


1. In a device of the character described, a closure for a container comprising a tubular member having a discharge opening therein, a housing member for said tubular member having an opening therein, said housing member being adapted to rotate on said tubular member to align said openings, and compressible means for normally disaligning said openings.

2,183,457
RECIPROCATING GRATE ASSEMBLY FOR SELF-FEED MAGAZINE BOILERS
Stephen J. La Grenade, Cherry Creek, N. Y.
Application September 12, 1938, Serial No. 229,591
11 Claims. (Cl. 110—38)

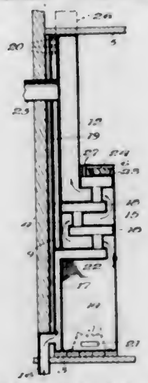
1. In a self-feed magazine boiler provided with an ash pit, a plurality of inclined reciprocating grates extending transversely across said ash pit, and substantially transversely to the direction of motion of the fuel bed which is adapted to travel downwardly thereover, a plurality of auxiliary grates overlying said first mentioned grates and adjustably secured thereto to provide adjustable openings in the said grates over which the fuel travels, a front grate extending upwardly from said auxiliary grates

and transversely of their longitudinal axes, a rear grate spaced apart from said front grate and substantially parallel therewith, a bottom



grate extending upwardly from one of said auxiliary grates between said front and rear grates, and means to simultaneously operate all of said grates.

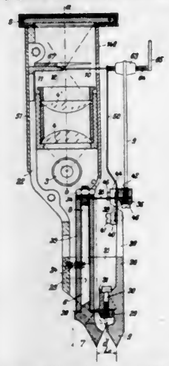
2,183,458
PORTABLE FIREPLACE HEATER
Richard A. Lathrop, Hope, N. Dak.
Application October 8, 1937, Serial No. 168,062
3 Claims. (Cl. 126—121)



1. A portable fireplace heater including a heating unit embodying a fuel chamber and combustion zone with a stack issuing from the latter, an outside air conduit extending into the fuel chamber and completely covering the rear wall of the latter, said conduit extending through the unit combustion chamber and exhausting at a point above the latter, and inside air conduits arranged on the sides of the fuel chamber and opening into the combustion chamber and stack, the combined areas of the inside air conduits being less than the area of the outside air conduit to augment passage of ejected fresh air and minimize possibility of air passage into said inside air conduits.

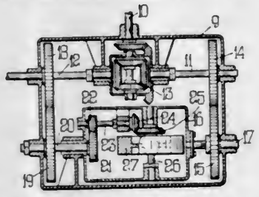
2,183,459
DEVICE FOR MEASURING MECHANICAL MOVEMENTS
Ernst Lehr and Hugo Granacher, Berlin, Germany, assignors to Askania-Werke A. G., a corporation of Germany
Application April 26, 1938, Serial No. 204,406
In Germany March 27, 1937
17 Claims. (Cl. 33—148)

1. A device for measuring small mechanical movements comprising, in combination, a casing; arranged within said casing and fixedly mounted thereto a source of light, a photocell, optical means for directing a beam of light to said photocell; a measuring point fixedly arranged on the outside of said casing; a support bearing another measuring point cooperating with the first measuring point fixedly connected to the casing, thereby forming a measuring length; said support being turnably mounted on



said casing for varying the position of the measuring point of said support with respect to said other measuring point and therewith the measuring length; connected to said support and turnable therewith means for variably screening said beam of light in accordance with the variations of the measuring length and means for adjusting said beam of light independently of the position of said support with respect to said casing.

2,183,460
VARIABLE-SPEED GEARING
Andrew James Lenox, Kingston-upon-Hull, England
Application January 28, 1939, Serial No. 253,422
In Great Britain January 29, 1938
8 Claims. (Cl. 74—259)

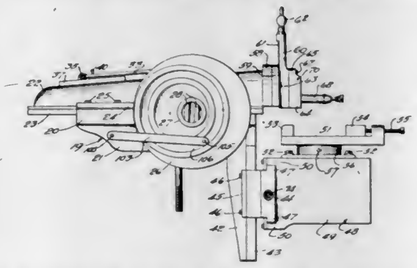


1. Power transmission apparatus comprising a power input shaft, a differential gear including a wheel rotatable with said input shaft, a pair of differentially driven shafts driven by opposite wheels of said differential gear, a flywheel rotatable about its own axis and about an axis at right angles thereto, means connected with one of said differentially driven shafts for driving the flywheel about one of said axes, means connected to the other of said differentially driven shafts for driving the flywheel about the other of said axes, and a gear connection between said means connected to the shafts.

2,183,461
SHAPER ATTACHMENT FOR A LATHE
Clifford L. Mayers, Omaha, Nebr.
Application October 1, 1938, Serial No. 232,870
7 Claims. (Cl. 29—30)

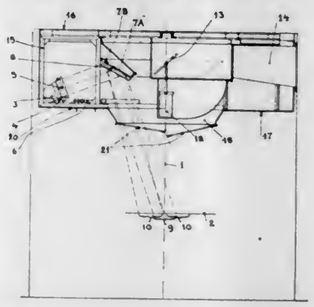
1. An attachment for use with a lathe having

a bed and a driven spindle, said attachment comprising the combination of a supporting structure for securing on said bed and formed with a depending portion, a reciprocatory shaper mechanism mounted on the top of and slidably connected to said structure, a revolvable disc like driver adapted to be connected to and operated from said spindle, said driver being provided respectively on one of the faces with means disposed diametrically thereof to provide a combined connection and guide groove forming element and



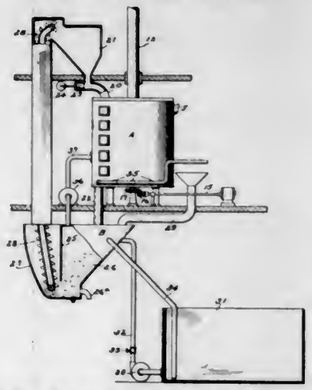
on its other face with a cam track, a lower structure secured to and disposed in lateral relation with respect to said depending portion, said lower structure including a shiftable, slidably mounted work feed, an operative driving connection between said element and mechanism for reciprocating the latter, a ratchet mechanism carried by said structures for intermittently shifting said work feed, and means travelling on and leading from said cam track to said ratchet mechanism for operating the latter intermittently.

2,183,462
LIGHTING SYSTEM
Louis Nicolas Mestre, Paris, France, assignor to Anciens Etablissements Barbier, Benard & Turenne, Paris, France, a French company
Application June 11, 1937, Serial No. 147,763
In France June 15, 1936
4 Claims. (Cl. 240—1.4)



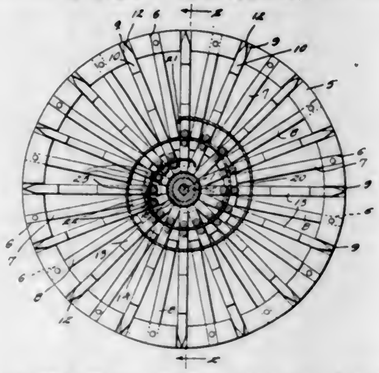
3. In the combination of an illuminating system with at least one circular row of reflectors disposed about an axis and associated with said system to produce a hollow conical beam of light, said reflectors including reflecting surfaces facing the opposite direction with reference to said axis, and said illuminating system including a plurality of projectors angularly spaced about said axis, the distance between said axis and projectors being greater than the distance between said axis and said reflectors, each of said projectors being adapted to produce a substantially cylindrical luminous beam directed against the reflecting surface of one of said reflectors which is disposed between said projector and said axis.

2,183,463
METHOD AND APPARATUS FOR DESTROYING SEWAGE
Henry H. Moreton, Montclair, N. J.
Substituted for abandoned application Serial No. 64,982, February 20, 1936. This application August 12, 1938, Serial No. 224,610
9 Claims. (Cl. 110—15)



1. A method of destroying sewage comprising mixing the sewage with heated granular refractory material in such manner as to coat said particles with colloidal sewage constituents, causing the mixture of coated granular material and the residual sewage to travel downwardly through a heated space, periodically arresting said downward travel at different horizontal levels within said space, maintaining said space at such a temperature as to first dehydrate the mixture and then completely incinerate the combustible constituents thereof during such travel, and discharging the sewage-free granular refractory material from the lower end of said space.

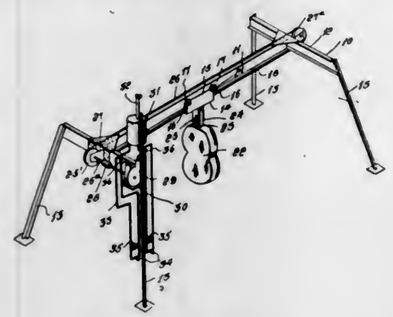
2,183,464
TRACTOR WHEEL LUG
Oscar B. Nash, Adrian, Minn.
Application February 11, 1939, Serial No. 255,981
1 Claim. (Cl. 301—46)



A tractor wheel of the character described, comprising a wheel body including a hub, a rim

and spokes connecting the hub and rim together, a circular plate mounted concentrically upon the hub at one end for free rotation thereabout, said plate having the periphery thereof designed for use as a brake band drum, a second plate integral and concentric with the first plate and of larger diameter than the same, said second plate being in spaced relation with certain spokes of the wheel at one side of the latter, a series of lugs mounted upon said rim for radial movement thereon, an arm carried by each lug and extending inwardly between the said second plate and the spokes adjacent thereto, a guide annulus secured to the last-mentioned spokes and concentric with the hub and having said arms engaging the sides thereof which opposes the second plate, a spiral rib formed upon that face of the second plate which opposes said annulus, the said arms being interposed between the edge of the rib and the annulus, and a pair of roller members carried by each arm and having the rib passing therebetween, the roller members of the arms being arranged in a spiral group corresponding with the spiral of the rib whereby upon rotary movement of the plates in one direction relative to the hub the lugs will be extended radially and upon reverse rotary movement of the plates relative to the hub the lugs will be retracted.

2,183,465
FOOTBALL CHARGING MACHINE
Robert A. Noor, Tuscumbia, Ala.
Application September 16, 1937, Serial No. 164,250
6 Claims. (Cl. 265—20)



1. Apparatus of the class described including a support, a dummy, a carriage for the dummy, said carriage and dummy being bodily movably mounted on the support, fluid means to resist the movement of the carriage and dummy caused by the impact of the player with said dummy, indicating means operable by the fluid means and means operable to vary the resistance offered by said fluid means.

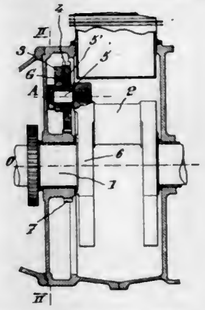
2,183,466
PERCUSSION DRILL
John Joseph Rawlings, London, England, assignor to The Rawlplug Company Limited, London, England
Application September 30, 1937, Serial No. 166,688
In Great Britain March 17, 1937
5 Claims. (Cl. 255—63)

1. A percussion drill comprising a shank, an odd number of flutes formed helically in the shank, ribs formed on the shank by cutting said flutes, cutting edges formed on the ends of the ribs, and grooves cut centrally in the bottom parts of the flutes, each groove being bisected in



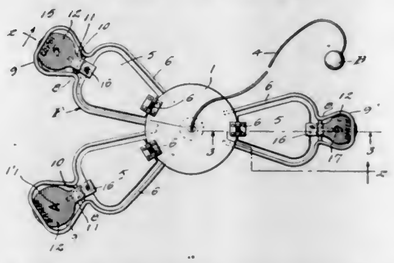
a cross-section of the drill by the center line of an oppositely disposed rib.

2,183,467
DEVICE FOR BALANCING ALTERNATING MACHINES
Raoul Roland Raymond Sarazin, Saint-Prix, France
Application January 21, 1938, Serial No. 186,258
In Luxemburg September 24, 1937
7 Claims. (Cl. 74—604)



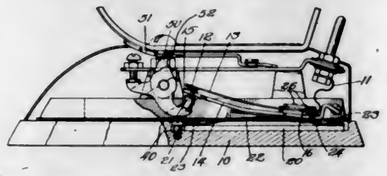
1. In an engine having at least one bank of cylinders, a crankshaft having at least one crank pin and at least one master connecting rod journalled on said crank pin, in the operation of which are developed a force radial to said crankshaft and turning around the axis thereof at a speed equal to twice the speed of rotation of the crankshaft and a vibratory torque of a frequency equal to the speed of revolution of the crankshaft, balancing means for said force and torque comprising at least one member carried by said crankshaft for rotation therewith and having its axis parallel to and eccentric to the axis of the crankshaft, weight means mounted to rotate eccentrically about the axis of said member, and means to rotate said weight means continuously about the axis of said member at a speed equal to the speed of rotation of the crankshaft and in the same direction as said crank shaft, so as to produce a continuous force in a direction which rotates at the same speed as the speed of rotation of the crankshaft about an axis located on the same side of the crankshaft axis as the crank pin and which is directed radially outwardly from the axis of the crankshaft when the crank pin is in its outer dead center position.

2,183,468
AMUSEMENT DEVICE
Henry Singer, Honolulu, Territory of Hawaii, assignor of one-half to Alice H. F. Lum, Honolulu, Territory of Hawaii
Application July 1, 1939, Serial No. 282,558
4 Claims. (Cl. 273—98)



1. An amusement device comprising a platform having a handle, a plurality of paddles, spring hinges for connecting said paddles to the peripheral portion of the platform, said hinges operating to swing the paddles upwardly, target plates pivotally supported by the platform adjacent to the paddles when in their lowered position, said target plates having means to engage the paddles to maintain the same lowered, a tether having one end portion secured to the central portion of the platform, and a weighted member carried by the outer end portion of the tether, impact of the weighted member on a target plate releasing the associated paddle.

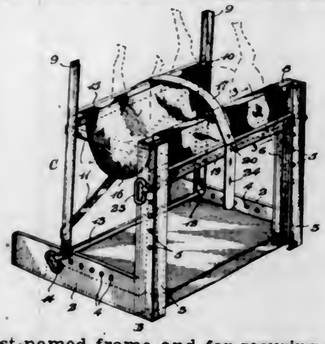
2,183,469
THERMOSTAT
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, Chicago, Ill., a corporation of Illinois
Application March 20, 1939, Serial No. 262,949
2 Claims. (Cl. 200—137)



1. A thermostat, including: a straight thermal element and a bowed member having their ends connected, whereby variations in length of the thermal element will vary the curvature of the bowed member; and a pair of arms each having one end attached to the slope of the bowed element, the other ends of said arms carrying contacts.

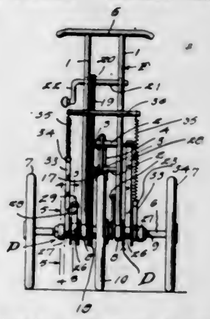
2,183,470
ANIMAL RESTRAINING APPARATUS
Emil Speckels, Chamberlain, S. Dak.
Application June 10, 1938, Serial No. 213,065
7 Claims. (Cl. 119—103)

1. An apparatus of the character described including a base, a vertically disposed frame rigidly secured to said base, a second frame having its lower end adjustably and pivotally secured to the base, an apron having one of its ends secured to the upper end of the second frame, means adjustably connecting the free end of the apron to the first named frame, and means for drawing the upper end of the second named frame toward



the first named frame and for securing the second named frame in said last named position.

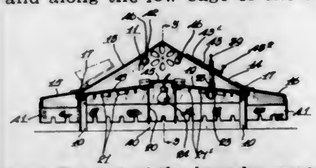
2,183,471
VELOCIPEDE
Alexis P. Steele, Statesville, N. C.
Application July 22, 1939, Serial No. 285,984
8 Claims. (Cl. 280—234)



1. A velocipede including a body member, a steering fork, means for hingedly connecting the fork with the body member for turning movement in either direction laterally of the body member, an axle rotatably supported by the fork, a steering wheel freely mounted on the axle, clutching means for locking the wheel and axle for unitary rotation, drums freely mounted upon the axle at opposite sides of the wheel, coacting means carried by the axle and each of the drums for locking said drum and axle for unitary rotation upon rotation of the drum in one direction, pedals carried by the body member, an operative connection between each of the pedals and one of the drums for rotating said drum and axle in unison upon depression of the pedal, said unitary rotation of the drum and axle rotating the wheel when the first named clutching members are locked, and means for manually rotating the wheel independently of the axle when said first named clutching members are separated.

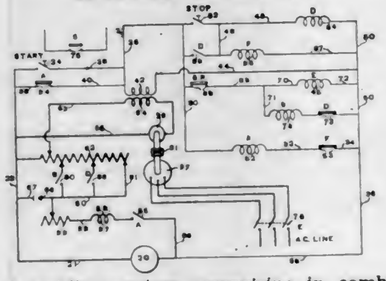
2,183,472
BROODER
William Henry Brinton, Coatesville, Pa.
Application January 8, 1937, Serial No. 119,582
16 Claims. (Cl. 119—33)

1. A brooder having a sloping roof, a sloping brooder ceiling, the said ceiling having a lesser slope than the roof in the same general direction as the slope of the roof with the high portion of the ceiling; spaced beneath the high portion of the roof forming a loft between the roof and ceiling and a brooder space under the ceiling, the brooder space having an entrance under and along the low edge of the ceiling and



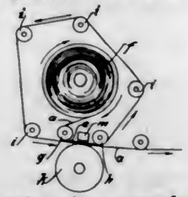
an air vent flue out of the brooder space and into the loft, the flue being along the high edge of the ceiling, said flue having walls difficultly air pervious and adjacent the high portion of the ceiling and having an inlet above and near the brooder floor and heat elements positioned in the brooder space below the ceiling.

2,183,473
WELDING APPARATUS
Lynn S. Burgett, Euclid, Ohio, assignor to Una Welding, Inc., East Cleveland, Ohio, a corporation of Delaware
Application February 23, 1937, Serial No. 127,038
12 Claims. (Cl. 219—8)



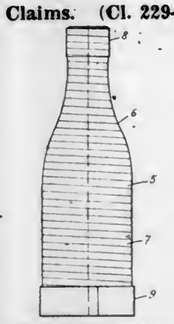
9. A welding system comprising in combination, mechanism for feeding welding electrode to the work, said electrode being operable to strike an arc with the work, including a motor of variable speed characteristics; a resistance in circuit with a circuit of said motor; and control means responsive to variations in the potential at the arc struck between said electrode and the work for automatically varying the said resistance during starting operations of the welding machine for changing the speed of said motor.

2,183,474
MANUFACTURE OF CARBON PAPER
Josef Burgmer, Wuppertal-Barmen, Germany
Application December 5, 1936, Serial No. 114,522
8 Claims. (Cl. 91—48)



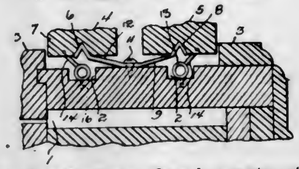
1. An apparatus for manufacturing carbon paper from a thin porous paper web comprising in combination with a coloring roller, guide rollers positioned adjacent to said coloring roller and so arranged with respect thereto that any material advancing over the said guide rollers forms a supporting surface for the paper web contacting the coloring roller, a material adapted for removing coloring material, means for advancing the said material over the said guide rollers, and means for contacting one side of the paper web with the coloring roller at the same time that the other side of the web is in contact with the said supporting surface.

2,183,475
HOLLOW ARTICLE FORMED OF FLEXIBLE STRIP MATERIAL
Edouard Louis Diot, Neuilly-sur-Seine, France
Original application January 8, 1935, Serial No. 909. Divided and this application January 21, 1937, Serial No. 121,661. In France April 30, 1934
6 Claims. (Cl. 229—4.5)



1. As an article of manufacture, a hollow article having cross-sections of different sizes which comprises helical turns of a strip or ribbon of a flexible material having corrugations on its whole width and in a transverse direction with reference to its length, the said corrugations being, in the part of the said article including cross-sections of different sizes, elongated along the longitudinal edge of the said strip which is in front of the cross-section of the said article which is larger than the cross-section of the same article which is in front of its other longitudinal edge and with reference to the part of the same corrugations situated on the said other longitudinal edge of the same strip, the successive helical convolutions of the said strip being wound flat upon another and partly overlapping one another along the lateral wall of the said article from one end of the said strip to the other and joined together along their whole length.

2,183,476
COMBINED WEATHER STRIP AND WINDOW GUIDE
Edmond J. Feiler, Madison, Wis.
Application June 9, 1937, Serial No. 147,361
2 Claims. (Cl. 20—52)



1. A window frame and sash construction, comprising a sheet metal weather strip and sash support and guide attached to the frame and

extending in the space between the frame and sash side rail, a groove in the frame beneath the weather strip and guide and almost wholly covered and guarded thereby, and a spring in the groove and guarded from contact with the sash by the weather strip and guide and guarded by the weather strip and guide, said spring having one end attached to the frame, and the sash supported and guided by the weather strip and guide out of contact with the frame, and the other end of the spring attached to the sash for the purpose defined.

2,183,477

PROCESS OF FINISHING COTTON YARN AND THE PRODUCT THEREOF

William H. Furness, Riverton, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey

No Drawing. Application March 9, 1937, Serial No. 129,819
3 Claims. (Cl. 8—123)

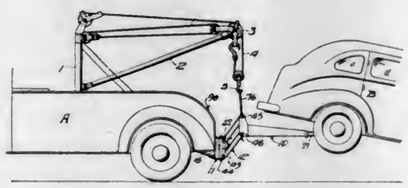
1. In a process for treating cotton yarn, the steps of subjecting yarn to a caustic soda solution of approximately mercerizing strength and subsequently, while still containing the combined caustic soda, to a solution consisting essentially of two portions, one a solution of copper sulphate ammonia and caustic soda and the other tetrammonium copper sulpate, and allowing the yarn to remain in said solution just long enough to remove caustic soda from the fuzz and to thereby bring about the dissolution of the fuzz, the solution of copper sulphate ammonia and caustic soda comprising from about 50% to about 70% of said solution and having a molecular ratio of one mol of copper sulphate to two mols of caustic soda and having sufficient mols of NH_3 to have stabality in the range of working temperature.

2,183,478

AUTOMOBILE TOWING DEVICE

Ernest W. Holmes and Ernest W. Holmes, Jr., Chattanooga, Tenn., assignors to Ernest Holmes Company, Chattanooga, Tenn., a corporation of Tennessee

Application December 28, 1937, Serial No. 182,114
22 Claims. (Cl. 212—141)



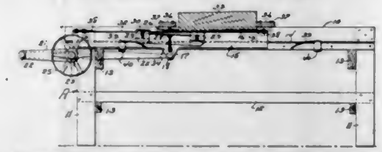
1. A towing device comprising a mounting having means for rigidly securing it on a towing vehicle, an elongated lifting member adapted to be placed beneath a part of a vehicle to be towed, upper and lower link means between said mounting and lifting member and operative to guide said member for vertical movement bodily when raised or lowered, a vertical pivot supported rigidly in upright position between said mounting and lifting member to sustain the tilting force exerted on said member by the load thereon of the vehicle to be towed, said member being swingable about said pivot as a vertical axis, means on the lifting member cooperable with a part of the vehicle to be towed to hold the latter thereon, and means for raising the lifting member.

2,183,479

SHINGLE MAKING OR WOOD SHAKE CUTTING MACHINE

Elsworth H. Jenkins, North Bend, Wash.

Application July 27, 1937, Serial No. 155,970
2 Claims. (Cl. 144—162)



1. A machine of the kind described comprising a stationary support, spaced parallel tracks fixed in said support, a carriage reciprocatingly movable upon said tracks, a double edged cutting blade fixed transversely of the carriage intermediate thereof, a work holder above the carriage and holding the work in the path of said blade, rocking means fitted with the carriage and acting upon the work in the holder for reversely inclining the same with relation to the blade when the latter has moved to opposite sides of said work, means adjustably fitted with the first-named means for varying the inclined lay of the work with relation to the blade, means on the support in the path of the first-named means for automatically reversing the same on reciprocation of said carriage, and a spring-tensioned displaceable arbor for yieldably supporting the said first-named means.

2,183,480

ANIMAL TONGS

William Reginald Jenkins, Charlottetown, Prince Edward Island, Canada, assignor of one-half to Preston W. Ellis, Summerside, Prince Edward Island, Canada

Application August 4, 1937, Serial No. 157,436
In Canada August 7, 1936
2 Claims. (Cl. 128—14)



1. A tongs comprising a pair of handles pivotally secured together, a pair of parallel jaw members, a slotted shank carried by each jaw member, a pivot carried by each handle slidable in a slot of a shank, a pair of clamping members pivotally carried one by each handle, a substantially right angularly disposed extension integral with a clamping member, means pivotally securing said extensions together intermediate the ends thereof, and a pivot carried by each extension slidable in a slot of a shank whereby to coact with said first pivots in maintaining said jaw members in parallel relation upon rocking of said handles.

2,183,481

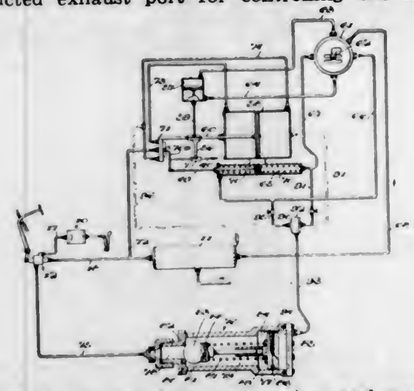
CLUTCH CONTROL MECHANISM

Stephen Johnson, Jr., Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware

Application September 17, 1937, Serial No. 164,397
11 Claims. (Cl. 192—3.5)

1. In a control mechanism for vehicles having a gear set and clutch, fluid pressure operated

control means for the gear set, a fluid motor for actuating the clutch, valvular means including a restricted exhaust port and a relatively unrestricted exhaust port for controlling the flow



of fluid pressure from said motor, and means controlled by the pressure of the fluid in said first named means for rendering said unrestricted exhaust port effective when the gear set is in neutral.

2,183,482

INJECTOR

Yervant H. Kurkjian, Hawthorne, N. J., assignor to Julius Schmid, Inc., New York, N. Y., a corporation of New York

Application December 23, 1936, Serial No. 117,407
1 Claim. (Cl. 128—261)



A sanitary injector of the class described comprising a hollow cylindrical body having a removable closure for its front end, a plunger slidable in said body, an ejecting means for said plunger operating in said body between the plunger and the rear end of the body and normally urging the plunger outwardly towards the front end of the body, a bead extending about walls of the body near the rear end thereof and projecting inwardly into position for engagement by the plunger to provide a tight seal around the plunger when the plunger is in a retracted position whereby leakage of material in the body in front of the plunger to a point behind the plunger and contact thereof with the ejecting means will be prevented, and means for releasably holding the plunger in a retracted position in engagement with the bead.

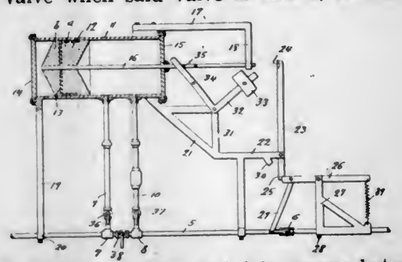
2,183,483

SAFETY GAS LINE SHUT-OFF

Brooks C. Nichols, Sissonville, W. Va.

Application April 13, 1937, Serial No. 136,693
Renewed May 22, 1939
3 Claims. (Cl. 137—153)

1. A safety shut-off apparatus for gas lines comprising a cylinder, a plunger in the cylinder, a rod extending from the plunger, a rocker in the path of the rod, a pair of branch pipes extending from the gas line to the cylinder, a valve in the gas line between the branch pipe connection thereto, said pair of branch pipes together with the cylinder constituting a bi-pass around the valve when said valve is closed, a shut-off



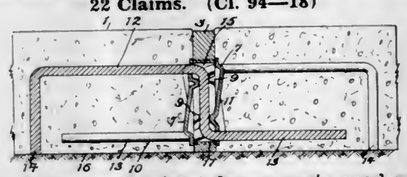
valve on the gas line, and trip means between the said rocker and the shut-off valve adapted to be operated when the rocker is moved by the plunger rod, said plunger operating to close passage through the branch pipes upon releasing of said trip means.

2,183,484

FLEXIBLE DOWEL

Elmer J. Webb, Syracuse, N. Y.

Application May 18, 1937, Serial No. 143,376
22 Claims. (Cl. 94—18)



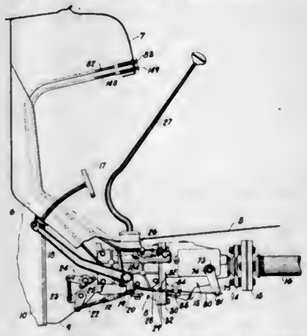
1. An expansion joint for concrete road work including a filler strip and duplicate unitary mechanical connections each extending continuously through the filler strip and having its opposite ends bonded in the adjacent slabs, said connections being constructed and arranged to take tension and compression to provide for load transference from one slab to the other while maintaining the mechanical connection during expansion and contraction of the slabs.

2,183,485

TRANSMISSION

Orville K. Butzbach and Harold E. Churchill, South Bend, Ind., assignors to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware

Application December 24, 1937, Serial No. 181,491
14 Claims. (Cl. 192—3.6)



14. In a transmission having a conventional

change speed mechanism and overdrive mechanism, said overdrive mechanism including a sun gear and a set of planetary gears meshing therewith, a slotted member carried by said sun gear, a radially-movable pawl for selectively engaging with said slotted member to sold said sun gear against rotation, remote control means adapted to be operated independent of the power source of the transmission for releasing said pawl to permit said sun gear to have conjoint rotation with said set of planetary gears, and means operated by a clutch pedal to permit said remote control means to be operated to permit said pawl to lock said sun gear against rotation.

2,183,486
PROCESS OF TREATING LIQUIDS
Ivor M. Colbeth, East Orange, N. J., assignor to Baker Castor Oil Company, New York, N. Y., a corporation of Delaware
Application September 13, 1937, Serial No. 163,576
26 Claims. (Cl. 260—425)

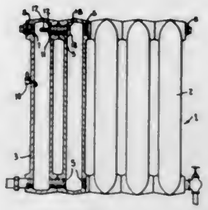


5. The process of purifying an oil containing fatty acids, which comprises passing an aqueous alkaline solution downwardly through a confined space at a rate slower than drops of the oil will rise through it, introducing the oil into the lower portion of said space and dividing it into droplets without agitating it or causing it to form a stable emulsion while dissolving the resulting soap in the liquid phase of said solution and removing it.

2,183,487
PROCESS OF BREAKING EMULSIONS
Ivor M. Colbeth, East Orange, N. J., assignor to The Baker Castor Oil Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application April 6, 1934, Serial No. 719,293. Divided and this application June 17, 1938, Serial No. 214,314
8 Claims. (Cl. 196—4)

1. The process of breaking emulsions, which comprises mixing with emulsified liquids castor oil that has been bleached by oxidation at a temperature of about 320° F. and then oxidized by blowing air through it while the oil is at a temperature of approximately 285° F., said oxidation continuing until compounds are obtained that are both aldehydes and acids, said bleached and oxidized oil being unsaponified and being modified by treating it with an aldehyde reactive reagent.

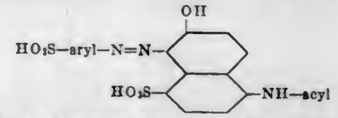
2,183,488
CLOSURE
George Bethune Duffield, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application June 1, 1936, Serial No. 82,790
2 Claims. (Cl. 138—89)



1. A fitting for use in connection with conduits, comprising a plate-like member for cooperation with the conduit wall and having a central aperture therethrough, a thrust member extending through and guided in said aperture, means surrounding said thrust member and closing said aperture against flow around said thrust member, said thrust member having an abutment adjacent one end of said thrust member, a helical coil spring surrounding said thrust member and held under compression between said abutment and said aperture closing means and acting to urge said aperture closing means into engagement with said plate-like member, said thrust member having an abutment adjacent its other end, a pair of oppositely extending arm members fulcrumed on the said other end of said thrust member and outwardly of said second-named abutment, said arm members being movable in one direction to bring their free ends adjacent said thrust member, means to limit movement of said arm members in the opposite direction so that said arm members will be held agains movement with respect to each other and in position for engagement with the conduit wall, and a helical coil spring surrounding said thrust member and bearing at one end against said second-named abutment and at its other end bearing against said arm members to urge said arm members into said engaging position.

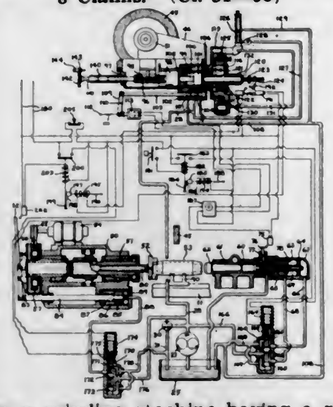
2,183,489
MONOAZO DYESTUFFS
Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 6, 1938, Serial No. 212,123. In Germany June 9, 1937
4 Claims. (Cl. 260—199)

1. The monoazo dyestuffs of the general formula:



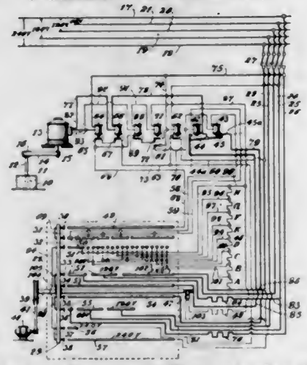
wherein aryl means a radicle of the benzene series, the —SO_3H group being attached thereto in o-position to the azo group and no halogen atom standing in the other o-position to the azo group, which dyestuffs dye wool and silk clear orange shades of very good fastness to light.

2,183,490
HYDRAULICALLY OPERATED CYLINDRICAL GRINDING MACHINE
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 15, 1939, Serial No. 284,658
8 Claims. (Cl. 51—95)



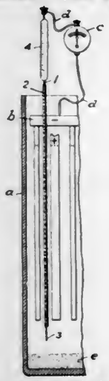
1. In a grinding machine having a rotatable grinding wheel, a transversely movable slide therefor, a longitudinally movable table, a rotatable work support thereon including a headstock and footstock each having a work supporting center, means including an electrical time delay relay to cause a forward and rearward movement of the wheel slide, manually operated electrically controlled means to move said footstock center to an operative position, and an electrical control actuated by movement of the footstock center to an operative position to initiate a forward feeding movement of the grinding wheel.

2,183,491
AUTOMATIC MOTOR CONTROL
Jacob J. Neuman, South Salem, N. Y.
Application September 9, 1938, Serial No. 229,084
9 Claims. (Cl. 172—179)



1. A device for controlling acceleration and deceleration of a motor from a multi-voltage supply comprising a plurality of contacts, a traveling bridge disposed to traverse said contacts, a first set of connectors between certain of said contacts and the armature of said motor, a second set of connectors between other of said contacts and the field of said motor, some of said second set of connectors having resistors of various resistances therein, and a third set of connectors between still other of said contacts and said multi-voltage supply, contactors on said bridge for engagement with said contacts; said contacts and connectors and contactors being disposed relatively to impress a low voltage on said armature and a high voltage on said field as the bridge starts to traverse said contacts, thereafter to maintain the armature voltage constant and decrease the field voltage step by step by connecting the field through certain of said second set of connectors having resistors therein, thereafter to increase the armature voltage and immediately to increase the field voltage and then step by step to decrease the field voltage by connecting the field through certain of said second set of connectors having resistors therein, thereafter to reverse the manner of connection to decelerate the motor by successively increasing field voltage, decreasing armature voltage and immediately decreasing field voltage, and increasing field voltage.

2,183,492
STORAGE BATTERY SEDIMENT MEASURING DEVICE
Max Rabl, Vienna, Germany, assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application March 28, 1939, Serial No. 264,515
In Germany March 29, 1938
2 Claims. (Cl. 175—183)



1. A device for determining the depth of sediment in a storage battery cell or container comprising a covered metal rod adapted for depression through the electrolyte to the bottom of the cell and having an exposed point of restricted area adapted to be polarized when inserted in the electrolyte of the battery, in combination with a circuit in which is interposed the rod, and an electrical instrument also interposed in the circuit, the construction and arrangement being such that the difference in potential across the instrument is slight when the point is polarized and is suddenly increased upon contact of the point with the sediment.

2,183,493
GERMICIDAL AND ANTISEPTIC COMPOSITION
Mahlon J. Rentschler, Willoughby, and Donald B. Bradner, Hamilton, Ohio, assignors to The Hamilton Laboratories, Inc., Hamilton, Ohio, a corporation of Delaware
No Drawing. Application January 27, 1936, Serial No. 61,113
5 Claims. (Cl. 167—71)

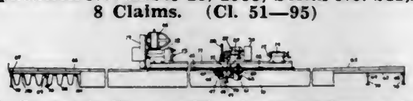
1. An improved germicidal preparation consist-

ing of a solution of a phenyl mercuric salt and a tribasic inorganic acid, said tribasic inorganic acid being present in greater proportion than the phenyl mercuric salt, and in an amount sufficient to stabilize the phenyl mercuric salt against deterioration by age.

2,183,494
GRINDING MACHINE

Irving A. Taylor, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application November 18, 1938, Serial No. 241,126
8 Claims. (Cl. 51—95)

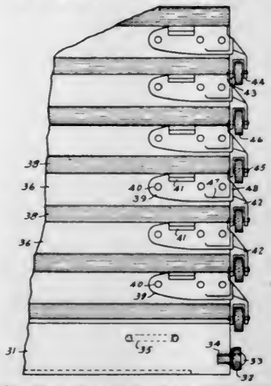


1. In a grinding machine having a base, a longitudinally reciprocable table thereon, an electric motor on said table, a flexible power cable to convey electric power to said motor having one end fixed relative to the base and the other end fixed to said carriage, and means including a track fixedly mounted on said base and a plurality of carriers slidably supported on said track to support said cable at spaced intervals between its ends during reciprocation of the carriage.

2,183,495
FLEXIBLE ROLLING CURTAIN

William J. Laufersweiler, Columbus, Ohio, assignor to General Door Company, Reno, Nev., a corporation of Nevada

Application January 6, 1937, Serial No. 119,325
6 Claims. (Cl. 189—56)



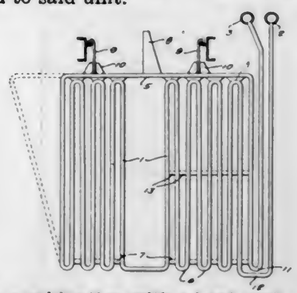
1. In a closure structure, a rolling closure having a plurality of articulated slats, a guide track, each of said slats having at its end an offset roller support extending along the end of an adjacent slat, and a roller rotatably mounted on said roller support engageable with said guide track, said roller being mounted with its axis adjacent the articulation of each of said slats and its said adjacent slat.

2,183,496
CLEANING TUBULAR HEAT EXCHANGING SURFACES

Heinrich Peters, Berlin, Germany, assignor to La Mont Corporation, New York, N. Y., a corporation of New York

Application February 14, 1939, Serial No. 256,336
In Germany November 15, 1937
4 Claims. (Cl. 257—1)

1. A heat exchanger tube coil construction for facilitating the transmission of impact-produced dirt-removing vibrations therethroughout, comprising a tube formed into a series of loops and having a straight portion to which said loops are welded at some of their bends and rigid bridges connecting the other bends, means independent of its input and discharge connections for suspending the coil unit thus formed and a striking plate through which impact vibrations may be imparted to said unit.

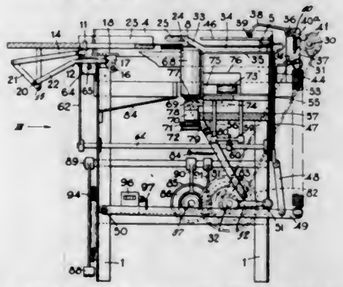


3. The combination with a heat exchanger tube coil unit constructed for facilitating the transmission of impact-produced dirt-removing vibrations therethroughout, said unit comprising a tube formed into a series of loops and having a straight portion extending across one end of said loops to which said loops are welded at some of their bends and having rigid bridges connecting the other bends, of a distributor and a collector, input and discharge connections to said distributor and collector and flexible means, independent of said input and discharge connections, for effecting a bell-like suspension of said coil unit, said flexible suspending means providing substantially non-damping suspension and said input and discharge connections each comprising a relatively long elastic extension of an end of the tube coil opposite said flexible suspension means, said extensions being at least as long as the reaches of said loops, otherwise unconnected to said tube coil and otherwise unsupported.

2,183,497
SERVIETTE-FOLDING MACHINE

Charles Ernest Turner, Forest Hill, London, England

Application January 31, 1939, Serial No. 253,902
In Great Britain February 3, 1938
9 Claims. (Cl. 270—84)

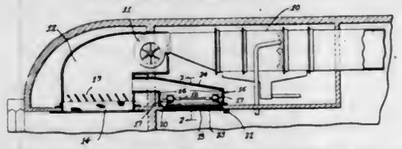


1. A machine for folding serviettes and like flat rectangular sheets, comprising a main table adapted to positionally receive a serviette laid flat thereon and having associated primary and secondary folding edges disposed at right angles to each other in operative relation to the received serviette, a sub-table under the main table and parallel therewith, and primary and secondary folding members correlated respectively with said primary and secondary folding edges and respectively displaceable in relation thereto, the said primary and secondary folding members being so arranged and operatively synchronized that the primary folding members first move past the primary folding edge and between the two table surfaces to fold the serviette in zig-zag manner into strip form and the secondary folding members then move past the secondary folding edge and through the two tables to thereafter fold the folded strip transversely in similar zig-zag manner.

2,183,498
VENTILATING APPARATUS

Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Application December 8, 1938, Serial No. 244,651
2 Claims. (Cl. 250—43)

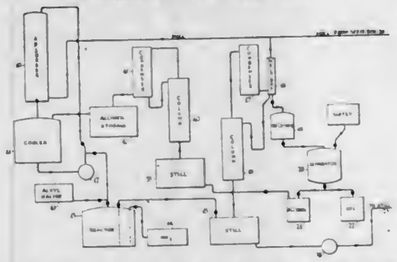


1. Ventilating apparatus comprising air moving means, an air inlet grille, an ultra-violet lamp between said means and said grille and arranged relatively close to and in alignment with said grille, and means comprising a plurality of parallel, closely spaced partitions in said grille having lengths several times the distance between adjacent partitions, forming a plurality of relatively narrow and relatively long constricted orifices for providing substantial resistance to the air moved by said air moving means through said grille, said partitions having surfaces which efficiently reflect the ultra-violet light from said lamp.

2,183,499
MANUFACTURE OF AMINES

Lee H. Clark and John F. Olin, Grosse Ile, and Charles W. Deibel, Wyandotte, Mich., assignors to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware

Application April 1, 1937, Serial No. 134,266
9 Claims. (Cl. 260—585)



1. In the process of producing amino derivatives of alkanes and cyclo-alkanes containing between four and eight carbon atoms by ammonolysis of a halogen derivative of the hydrocarbon compound corresponding to the desired amino derivative, comprising reacting ammonia with said halogen derivative, and separating ammonia, together with small quantities of other constituents of the reaction mixture, from the reaction product by distillation, the steps comprising absorbing separated ammonia and said constituents in a lower aliphatic alcohol which is a mutual solvent for ammonia and said halogen derivative, mixing said solvent containing the absorbed ammonia and other constituents with a fresh quantity of said halogen derivative and reacting said fresh quantity of the halogen derivative with ammonia of the mixture so formed.

2,183,500
FLOTATION OF MATERIALS USED IN METALLURGICAL PROCESSES

Bruce D. Crawford, Grass Valley, Calif., assignor to American Cyanamid Company, a corporation of Maine

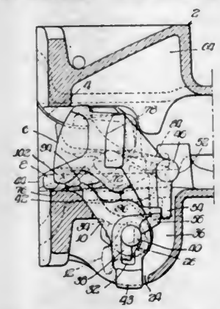
No Drawing. Application November 17, 1937, Serial No. 174,965
2 Claims. (Cl. 209—166)

1. A method of purification of carbonaceous furnace waste from the electric furnace production of aluminum containing as its major constituents carbon, aluminum oxide and cryolite, the carbon and cryolite being present in percentages of the same order of magnitude, which comprises grinding the waste to at least 50% through 200 mesh, forming an aqueous pulp of the finely ground material and subjecting the pulp to froth flotation and removing the froth rich in carbon and poor in cryolite.

2,183,501
COUPLER

Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application August 15, 1936, Serial No. 96,220
27 Claims. (Cl. 213—129)

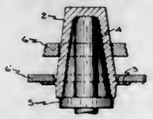


1. In a car coupler the combination of a coupler head, a knuckle pivoted therein, a lock operable therein, a lifter, a rotor, and a knuckle thrower having a knuckle engaging arm and an operating arm, a lock-set shoulder and an anti-creep lug on said lock, said lifter being operable to raise said lock to lock-set position by cam engagement therewith wherein said lock is supported by abutment of said lifter against said shoulder, and further operable to rotate said knuckle thrower to open said knuckle by cam engagement with said operating arm, said lifter having an anti-creep stop integral therewith, said lug and said stop having abutment against each other when said parts are in locked position to prevent a creeping action of said lock, and said lifter and said rotor being keyed together for rotary movement when assembled in operative position.

27. In a car coupler, a head, a knuckle, a lock, a lifter, and a rotor, said rotor forming the axis about which said lifter rotates, means on the

rear of said lock abutting means on the rear of said lifter to form an anti-creep, said lifter being rotatable to disengage said parts, release said anti-creep, and support said lock in lock-set position, said knuckle being so formed that on being opened it will raise said lock from lock-set position and said lock being formed to then allow said lifter to return to normal position, and said lock being further formed so as to be operable on movement to locked position to rotate said lifter out of normal position and re-engage said anti-creep.

2,183,502
EXPLOSIVE SHELL AND METHOD OF MAKING THE SAME
Alidor Lefere, Jackson, Mich., assignor to Lefere Forge & Machine Company, Jackson, Mich., a corporation of Michigan
Application June 6, 1938, Serial No. 212,162
5 Claims. (Cl. 29—1.21)

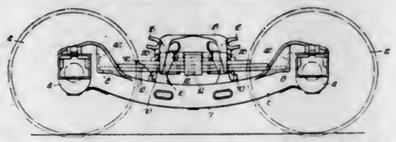


1. In the manufacture of heavy tubular members such as shells and the like, forging a hollow blank having a conical form, the smaller end thereof being closed and the other end being open, radially swinging in the sides of said blank while supporting the same at the inside of the closed end and at the open end, and drawing the swung in blank to elongate the same.

2,183,503
POLYMERIZATION OF OLEFINS
Ambrose McAlevy, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1938, Serial No. 186,813
12 Claims. (Cl. 196—10)

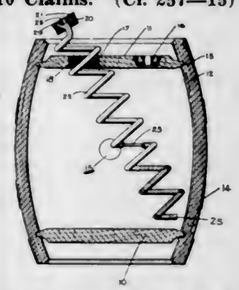
8. A process of polymerizing olefins which comprises contacting the olefin with a catalyst which is in the liquid phase, the catalyst comprising essentially boron fluoride and water in the ratio of from 1 mol of boron fluoride to 2.2 to 5 mols of water.

2,183,504
TRUCK
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 1, 1938, Serial No. 199,353
8 Claims. (Cl. 105—197.2)



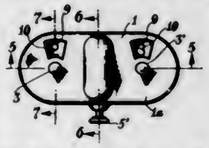
1. In a four wheel railway truck, a side frame structure of generally arcuate shape and box section having integrally formed journal boxes at the ends thereof and a spring seat adjacent each of said journal boxes, vertical lateral flanges merging with the top chord of said structure and the top of the journal box on opposite sides of the adjacent spring seat, a resilient member superposed on said side frame structure and having its ends positioned on said spring seats, a bolster having a bifurcated end with spaced jaws receiving said member and positioned thereon at spaced points, shoulders on said bolster end, said member comprising a plurality of leaves of uniform cross-section and varying length and a single leaf of diminished cross-sectional area, said single leaf having abutment means adapted to engage said shoulders for transmission of thrusts between said bolster and said member and a brake hanger bracket of L section integrally formed on said side frame structure intermediate the ends thereof, one leg of said L being reflanged and merged with the top chord of said structure to form emergency stop means for said member.

2,183,505
KEG
Gerald D. Peet, Montclair, N. J., assignor to Novadel-Agene Corporation, Belleville, N. J., a corporation of Delaware
Application January 18, 1938, Serial No. 185,504
10 Claims. (Cl. 257—15)



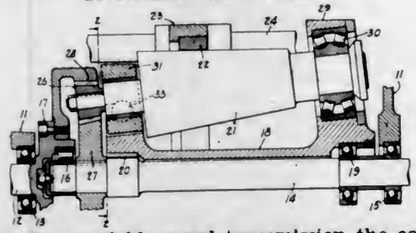
1. A combined transportation and cooling keg having heads, a filling bung hole between said heads and a draft outlet in one of said heads, and equipped with a helical cooling coil attached near its upper end with respect to the upper head and of normal length greater than the distance between the heads, thereby to exert pressure resiliently against the heads, said cooling coil being located wholly to one side of the filling bung hole to clear the racking tube used in filling.

2,183,506
GAME APPARATUS
Harold E. Robinson, Astoria, Long Island, N. Y., assignor to American Multi Products Corp., Long Island City, N. Y., a corporation of New York
Application March 4, 1938, Serial No. 193,861
3 Claims. (Cl. 273—142)



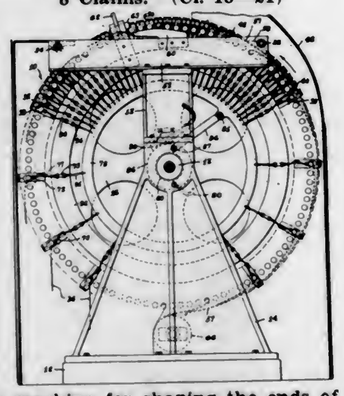
1. Game apparatus embodying, in combination, a casing having a disc compartment, a window extending through the wall of said compartment, a rotatable disc having a smooth peripheral surface and mounted in said compartment for rotation above an axis and a plunger movable tangentially of said disc in said casing and having a flexible operating member frictionally engageable with the smooth periphery of the disc to rotate the same.

2,183,507
VARIABLE SPEED TRANSMISSION
Walter P. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 18, 1936, Serial No. 80,234
13 Claims. (Cl. 74—281)



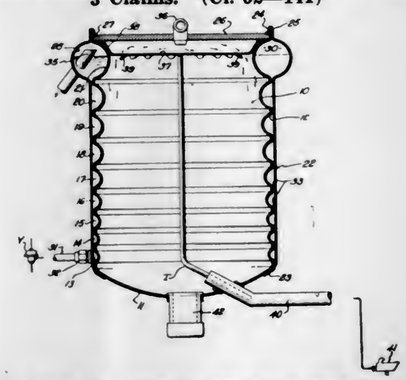
1. In a variable speed transmission the combination of a rotor, a plurality of tapered planetary rollers rotatable about individual axes inclined and movable relative to said rotor, a non-rotatable control ring for contact with said rollers and shiftable lengthwise thereof to regulate their planetary action, and torque responsive means for forcing said rollers against said ring to thereby automatically vary the contact pressures between said ring and rollers in accordance with changes in torque.

2,183,508
MACHINE FOR SHAPING RUBBER MATS AND THE LIKE
Ephriam J. Scott, Somerville, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application November 4, 1937, Serial No. 172,763
8 Claims. (Cl. 18—21)



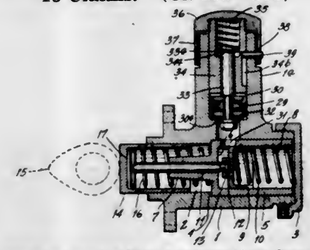
6. A machine for shaping the ends of rubber mats and the like, comprising a plurality of oblong core members, a rotary drum, means supporting the members in lateral spaced relation on the drum and about the rotary axis of the drum, the members extending in a direction parallel to the axis of the drum, a plurality of oblong molds carried by the drum between the core members and the rotary axis of the drum, there being one mold for each core member and each mold having an open and outwardly facing molding surface of a contour corresponding to the adjacent contour of the adjacent core member and each core member and mold being adapted to receive therebetween at one portion of the path the end of a mat to be shaped, means for causing a relative approaching movement between each core member and its cooperating mold to engage the mat in surface contact therebetween, and means for heating a mat contacting surface of each such core member-mold contact.

2,183,509
WATER COOLER
Lawrence C. Smith, Kenmore, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application December 30, 1937, Serial No. 182,451
3 Claims. (Cl. 62—141)



1. A water cooler comprising a tank having a substantially cylindrical wall and adapted to be disposed on a vertical axis, water inlet and outlet conduits communicating with the tank, a tubular refrigerant jacket enclosing the cylindrical wall and having its extremities secured to the tank, said wall and jacket being mutually formed adjacent their upper ends to provide an annular header substantially in the form of a torus, the remaining portions of the wall and jacket being concentrically spaced to provide the walls of an evaporation chamber communicating with said header, one of the walls of said evaporation chamber being formed with annular grooves, refrigerant supply means communicating with the evaporation chamber, and a suction pipe communicating with the header.

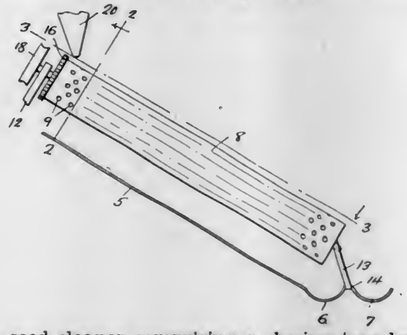
2,183,510
FUEL PUMP
Alden P. Thomas, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 1, 1937, Serial No. 172,076
15 Claims. (Cl. 103—203)



1. A pump comprising a housing having a cylinder, inlet and outlet passageways communicating directly with the same end of said cylinder and a valveless branch passageway in continuous communication with said inlet passageway and

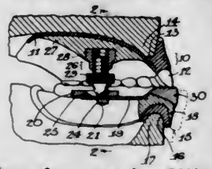
the other end of said cylinder, a piston reciprocable in said cylinder, and an inwardly opening check valve in said inlet passageway between said cylinder and the point of communication of said inlet passageway with said branch passageway.

2,183,511
ROTARY SEED CLEANER
Frank L. Bookwalter, Versailles, Ohio
Application December 17, 1938, Serial No. 246,431
1 Claim. (Cl. 209—285)



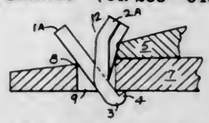
A seed cleaner comprising a sloping tray having inner and outer parallel troughs at its bottom, said troughs extending transversely, an upright having its lower edge connected with the adjacent side edges of the troughs, said upright separating the troughs, a pair of inclined cylinders having perforations therein, a centrally arranged pintle for the lower end of each cylinder supported by the upper portion of the upright, pintles connected with the upper ends of the cylinders, means for rotatably supporting the upper pintles, means for rotating one of the upper pintles, said cylinders being parallel to each other and arranged close together, means for introducing the material to be separated at the upper part of the space between the cylinders, a rod extending through said space and in contact with the cylinders and means for rotating the second cylinder from the driven cylinder, the material passing through the perforations in the cylinders dropping into the inner trough and the material passing down the space between the cylinders dropping into the outer trough.

2,183,512
FITTING ARTIFICIAL DENTURES
George P. Brenner, Milwaukee, Wis.
Application November 12, 1936, Serial No. 110,425
7 Claims. (Cl. 32—19)



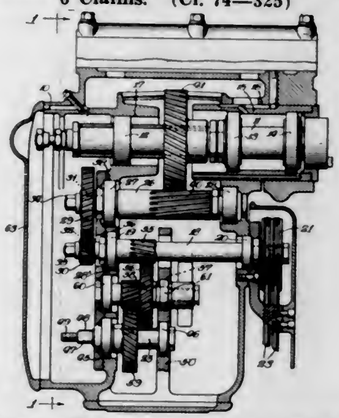
1. Apparatus for use in fitting cooperating dentures, comprising, in combination with one of the dentures, of a bearing member adapted to be detachably secured to said denture between the lateral teeth thereof, a bite rim adapted to be seated on the arch ridge of a patient opposite said denture, a guide device secured to said bite rim between the opposite sides of said rim and having a recess with sloping walls to be engaged by said bearing member for guiding the mandibular movements of the patient, the slope of said walls being substantially equal to the cusp angle of the teeth of the denture, and a pad of impression material secured to said bite rim and adapted to be carved by the teeth of the denture during the mandibular movements to record the functional cusp paths of the teeth.

2,183,513
ANCHOR RAIL CLIP
Ralph P. Clarkson, New Rochelle, N. Y.
Application February 27, 1936, Serial No. 65,945
13 Claims. (Cl. 238—349)



1. An assembly of the character described comprising a rail, a tieplate provided with an opening therethrough adjacent an edge of the base of said rail, a one piece resilient wedge member positioned in said opening provided with a split shank of such character as to provide upwardly extending, resiliently coacting, diverging legs, one of said legs engaging said tieplate and constructed and arranged to be driven by a spike maul or the like and the other leg engaging the edge of said rail base, and a portion provided with detent means engaging the under side of said tieplate.

2,183,514
GEARING
Bengt R. Granberg and Alfred G. Ericson, Rockford, Ill., assignors to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application November 18, 1938, Serial No. 241,086
6 Claims. (Cl. 74—325)



1. In a milling machine, in combination, a spindle supporting element, a spindle rotatably mounted on said element, a first power driven shaft rotatably mounted on said element on an axis parallel to and spaced from the spindle axis, an intermediate shaft rotatably mounted on said element, means forming a gear connection between said intermediate shaft and said spindle, said first power driven shaft and intermediate shaft having projecting ends arranged to receive pairs of pick-off gears to form a direct drive between said first power driven shaft and the intermediate shaft, and means for driving the intermediate shaft by the same pick-off gears at another speed comprising a second power driven shaft rotatably mounted on said element on an axis parallel to said intermediate shaft spaced therefrom a distance equal to the distance between said intermediate shaft and said first power driven shaft and having one end projecting to receive a pick-off gear positioned to mesh with a corresponding pick-off gear on said intermediate shaft and means for driving said second power driven shaft from said first power driven shaft comprising reduction gearing.

2,183,515
RECONSTITUTION OF DRIED EGG MATERIAL
Leon D. Mink, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 14, 1939, Serial No. 279,055
19 Claims. (Cl. 99—113)

1. The method of reconstituting dried egg material which comprises adding thereto water in the proportion normally found in fresh egg material and a surface active agent and thereafter whipping the mixture.

2,183,516
EGG MATERIAL TREATMENT
Leon D. Mink, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 14, 1939, Serial No. 279,117
28 Claims. (Cl. 99—210)

1. An egg product consisting essentially of dried egg material and a surface active agent.

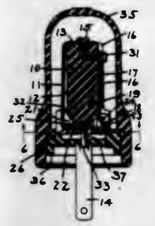
16. The method of preparing egg material which comprises adding to egg material a surface active agent and thereafter drying the egg material.

2,183,517
TREATMENT OF MATERIALS CONTAINING TANTALUM AND NIOBIUM
Joseph Pierre Leemans, Hoboken, near Antwerp, Belgium, assignor to Société Générale Metallurgique de Hoboken, Hoboken, near Antwerp, Belgium, a limited company of Belgium
No Drawing. Application January 27, 1938, Serial No. 187,245. In Great Britain March 19, 1937
2 Claims. (Cl. 75—135)

1. A process for the treatment of primary materials containing tantalum and niobium, comprising a reduction of the primary material by means of at least one of the metals Al, Ca, Mg alloyed with at least one of metals whose alloying reaction with the aforesaid reducing elements develops heat so that the metallic-thermic power of a given quantity of the said reducing elements is smaller in the obtained alloy than in the same quantity in the elementary state, thereby selectively reducing the niobium relatively to the tantalum and obtaining an alloy in which the ratio niobium:tantalum is higher than in the primary material, and a slag in which the ratio tantalum:niobium is higher than in the primary material.

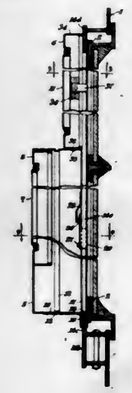
2,183,518
RESET THERMAL SWITCH
Durward S. Rivers, Indianapolis, Ind.; Kathryn Rivers administratrix of said Durward S. Rivers, deceased
Application May 18, 1938, Serial No. 208,520
2 Claims. (Cl. 200—116)

1. In a portable reset circuit breaker, a thermostatic responsive bar bendable upon being heated by a predetermined overload electrical current, a body on which said bar is mounted, a switch arm rockably carried by the body, a shoulder on said bar under which an end of said arm may engage, a spring carried by said body normally urging said arm against said shoulder, a connector in electrical circuit with said arm, a terminal connecting prong carried by said body and electrically connected with said bar, a second



terminal prong carried by said body, means electrically connected with said second prong and said connector, a housing surrounding said body and its parts assembled thereon to have said prongs extend in parallel relation a distance beyond the housing, and a reset button positioned between said prongs in the path of said arm whereby said arm may be pushed by the button into said shoulder engagement in opposition to said spring.

2,183,519
SCREENING AND COVERING DEVICE FOR WINDOWS AND OTHER OPENINGS
Jay Rose, Brooklyn, N. Y., assignor, by mesne assignments, to Wardmore Corporation, a corporation of New York
Application November 1, 1935, Serial No. 47,785
15 Claims. (Cl. 156—14)

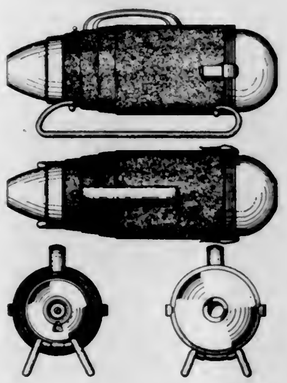


1. A two-part window screen comprising a box-like part and a separate shallower part, said parts being separately removable and replaceable, and means attached to and solely carried by said parts for maintaining them in predetermined relationship in place on the window opening comprising fastening means on the box-like part detachably connecting it to the window opening and separate fastening means on the shallower part independently fastening it on said window opening above said box-like part.

DESIGNS

DECEMBER 12, 1939

118,007
DESIGN FOR A VACUUM CLEANER
Oscar M. Anderson and Nils T. Almquist, New Britain, Conn., assignors to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application July 21, 1938, Serial No. 78,638
Term of patent 7 years



The ornamental design for a vacuum cleaner, as shown and described.

118,008
DESIGN FOR A SLIPPER
Israel Berman, New York, N. Y.
Application August 9, 1939, Serial No. 86,545
Term of patent 3½ years



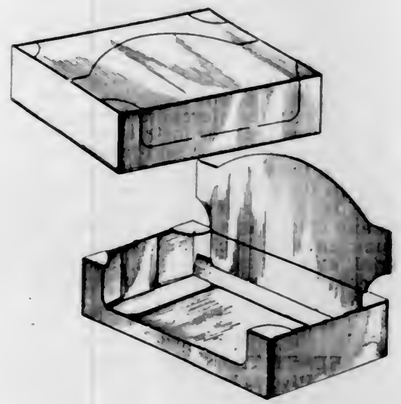
The ornamental design for a slipper, substantially as shown and described.

118,009
DESIGN FOR A DRAWER PULL OR SIMILAR ARTICLE
Earl Borchers, Rockford, Ill., assignor to American Cabinet Hardware Corp., Rockford, Ill., a corporation of Illinois
Application September 18, 1939, Serial No. 87,275
Term of patent 7 years



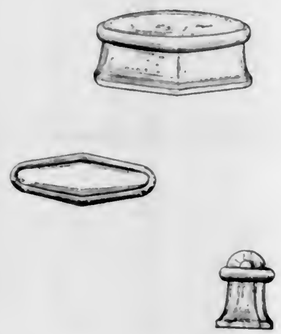
The ornamental design for a drawer pull or similar article, substantially as shown.

118,010
DESIGN FOR A DISPLAY CARTON
Frank W. Broderick, New Brighton, N. Y., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application December 30, 1938, Serial No. 82,074
Term of patent 7 years



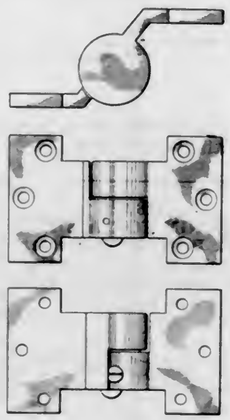
The ornamental design for a display carton, as shown.

118,011
DESIGN FOR A REBOUND DEVICE FOR A PIN-BALL GAME APPARATUS
Charles E. Caestecker, Chicago, Ill.
Application October 9, 1939, Serial No. 87,586
Term of patent 14 years



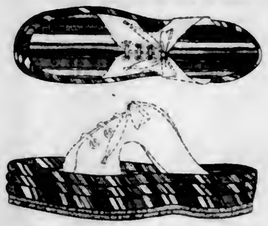
The ornamental design for a rebound device for a pin-ball game apparatus, substantially as shown.

118,012
DESIGN FOR A PIVOT HINGE
Forrest C. Garrison, Highland Park, Ill., assignor to The Oscar C. Rixson Co., Chicago, Ill., a corporation of Illinois
Application October 13, 1939, Serial No. 87,647
Term of patent 14 years



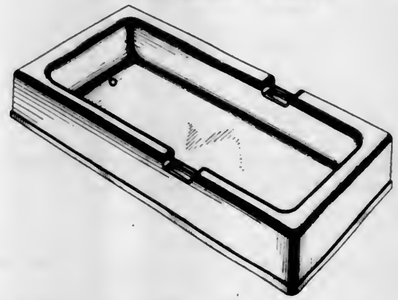
The ornamental design for a pivot hinge, as shown.

118,013
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Meyer Goldman, Jersey City, N. J.
Application November 14, 1939, Serial No. 88,267
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

118,014
DESIGN FOR A BATHTUB
Frederick C. Grimm, Washington, N. J.
Application August 26, 1939, Serial No. 86,905
Term of patent 7 years



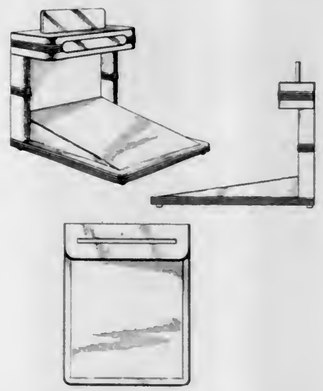
The ornamental design for a bathtub, as shown.

118,015
DESIGN FOR A COMBINED HANDLE AND ESCUTCHEON
James C. Hermann, Los Angeles, Calif.
Application February 28, 1939, Serial No. 83,471
Term of patent 7 years



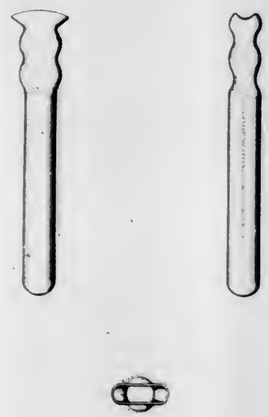
The ornamental design for a combined handle and escutcheon, as shown.

118,016
DESIGN FOR A MERCHANDISE DISPLAY STAND
Melvin C. Houle, Chicago, Ill., assignor to Owen Housholder and David C. Cohen, copartners, doing business as Crystal Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application October 23, 1939, Serial No. 87,820
Term of patent 3½ years



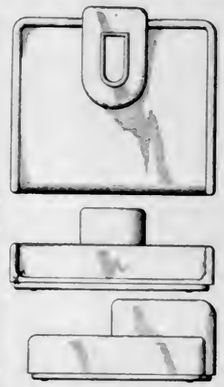
The ornamental design for a merchandise display stand, substantially as shown.

118,017
DESIGN FOR A BOUTONNIERE VASE OR SIMILAR ARTICLE
Gladys Moon Jones, Washington, D. C.
Application September 25, 1939, Serial No. 87,382
Term of patent 3½ years



The ornamental design for a boutonniere vase or similar article, substantially as shown and described.

118,018
DESIGN FOR A BATHROOM SCALE
Clarence Karstadt, Glen Ellyn, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 21, 1939, Serial No. 87,330
Term of patent 3½ years



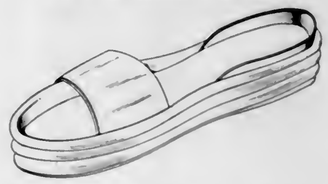
The ornamental design for a bathroom scale, as shown.

118,019
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
Lewis Larsen, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 25, 1939, Serial No. 83,827
Term of patent 14 years



The ornamental design for a chair or similar article, substantially as shown.

118,020
DESIGN FOR A SHOE
Arthur E. Pfeiffer, Worcester, Mass.
Application July 28, 1939, Serial No. 86,294
Term of patent 3½ years



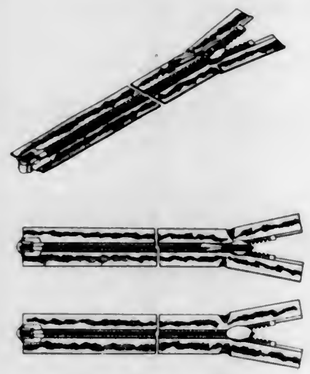
The ornamental design for a shoe, substantially as shown.

118,021
DESIGN FOR A COMBINED COMB, HAIR SMOOTHER AND WRENCH
Vincent R. Pileggi, Philadelphia, Pa.
Application September 11, 1939, Serial No. 87,133
Term of patent 7 years



The ornamental design for a combined comb, hair smoother and wrench substantially as shown.

118,022
DESIGN FOR A SLIDE FASTENER
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application August 31, 1939, Serial No. 86,984
Term of patent 14 years



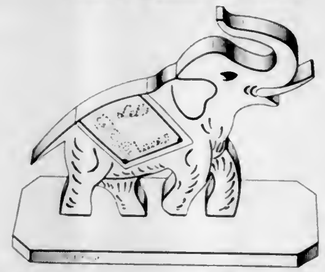
The ornamental design for a slide fastener, substantially as shown.

118,023
DESIGN FOR A HANDLE FOR SAUCE PANS
Alfred F. Ramsthal, West Bend, Wis., assignor to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin
Application September 30, 1939, Serial No. 87,452
Term of patent 14 years



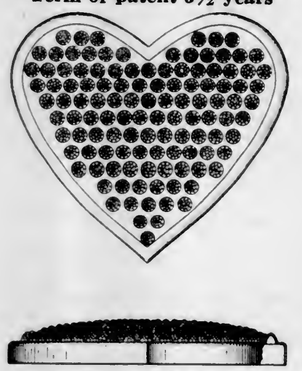
The ornamental design for a handle for sauce pans, as shown.

118,024
DESIGN FOR A STATUETTE OR SIMILAR ARTICLE
James C. Reynolds, Sheridan, Wyo.
Application May 15, 1939, Serial No. 85,008
Term of patent 14 years



The ornamental design for a statuette or similar article, substantially as shown and described.

118,025
DESIGN FOR AN ORNAMENT FOR GRAVES
Victor J. Schultz, Chicago, Ill.
Application March 18, 1939, Serial No. 83,672
Term of patent 3½ years



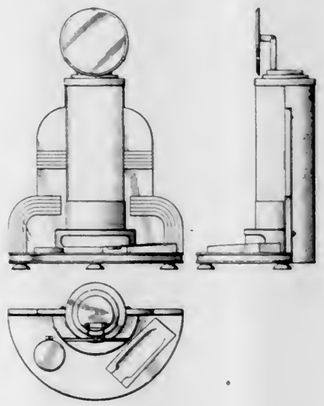
The ornamental design for an ornament for graves, as shown.

118,026
DESIGN FOR A COMBINED DIAL AND HANDS FOR A WATCH OR SIMILAR ARTICLE
Augusta L. Scott, Brooklyn, N. Y.
Application March 23, 1938, Serial No. 76,040
Term of patent 14 years



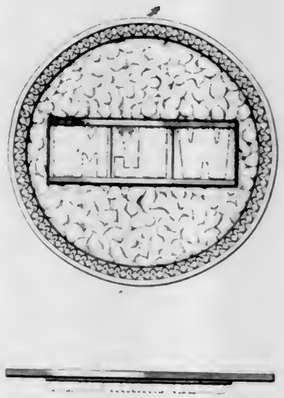
The ornamental design for a combined dial and hands for a watch or similar article, as shown.

118,027
DESIGN FOR A COMBINED DISPLAY STAND AND MIRROR FOR ELECTRIC SAFETY RAZORS
José Trojan, Chicago, Ill., assignor to Owen Housholder and David C. Cohen, copartners, doing business as Crystal Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application October 23, 1939, Serial No. 87,818
Term of patent 3½ years



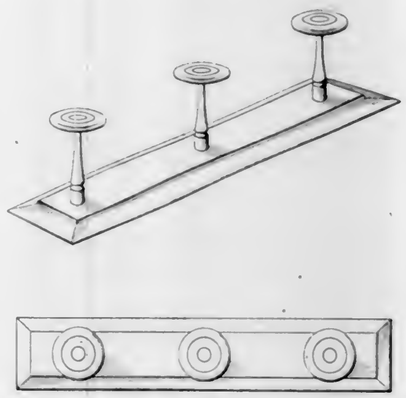
The ornamental design for a combined display stand and mirror for electric safety razors, substantially as shown.

118,028
DESIGN FOR A MEDAL OR THE LIKE
Harold C. Vaisey, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application August 15, 1939, Serial No. 86,710
Term of patent 3½ years



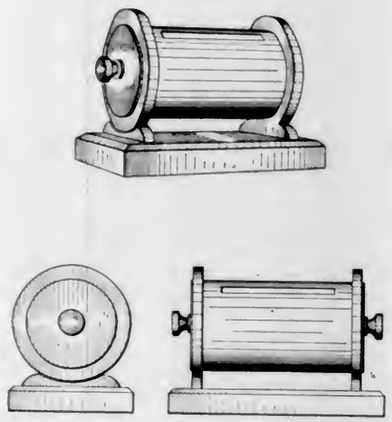
The ornamental design for a medal or the like, substantially as shown.

118,029
DESIGN FOR A HAT DISPLAY HOLDER
William T. Webb, Daly City, Calif.
Application February 28, 1939, Serial No. 83,259
Term of patent 14 years



The ornamental design for a hat display holder, substantially as shown.

118,030
DESIGN FOR A DIRECTORY
Adolph J. Wethington, Dayton, Ohio
Application March 3, 1939, Serial No. 83,317
Term of patent 14 years



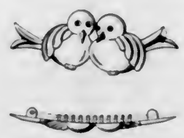
The ornamental design for a directory, as shown.

118,031
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
David Widess, Pasadena, Calif.
Application August 28, 1939, Serial No. 86,910
Term of patent 14 years



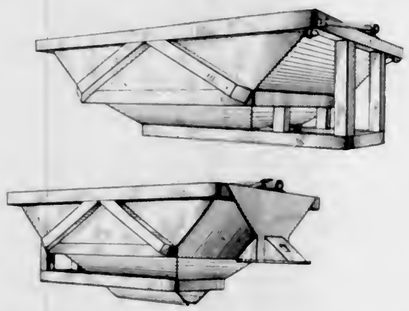
The ornamental design for a finger ring or similar article, as shown and described.

118,032
DESIGN FOR A HAIR ORNAMENT OR SIMILAR ARTICLE
Eddie Adelstein, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application October 30, 1939, Serial No. 87,921
Term of patent 7 years



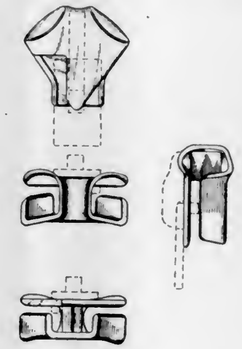
The ornamental design for a hair ornament or similar article, substantially as shown.

118,033
DESIGN FOR A DUMP WAGON BODY
George D. Alexander, Minneapolis, Minn.
Application September 30, 1939, Serial No. 87,451
Term of patent 14 years



The ornamental design for a dump wagon body, as shown.

118,034
DESIGN FOR A SLIDER BODY FOR SLIDE FASTENERS
Walter A. Behrens, New York, N. Y., assignor to Ideal Fastener Corporation, Brooklyn, N. Y., a corporation of New York
Application April 26, 1939, Serial No. 84,557
Term of patent 3½ years

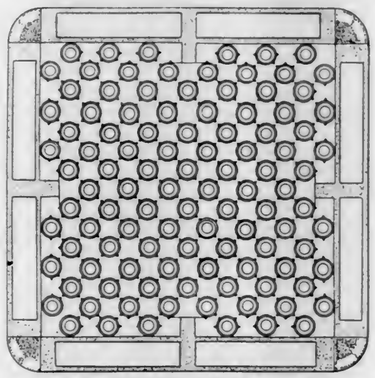


The ornamental design for a slider body for slide fasteners, as shown.

118,035
DESIGN FOR A TOY ROCKING HORSE
Benjamin J. Compagnoni and Victor Compagnoni, Detroit, Mich.
Application September 7, 1939, Serial No. 87,080
Term of patent 7 years

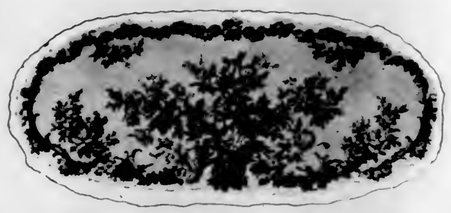
The ornamental design for a toy rocking horse, as shown.

118,036
DESIGN FOR A GAME BOARD
William L. Deas, Kendall, Fla.
Application August 5, 1939, Serial No. 86,480
Term of patent 7 years



The ornamental design for a game board, as shown.

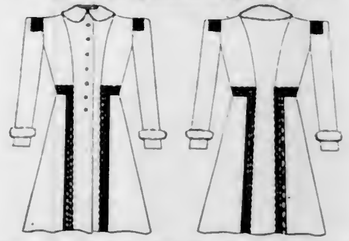
118,037
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Achille Domen, Roubaix, France
Application December 28, 1938, Serial No. 82,019
Term of patent 7 years





The ornamental design for textile fabric or similar article, substantially as shown and described.

118,038
DESIGN FOR A CHILD'S COAT
Benjamin Fischer, New York, N. Y.
Application November 7, 1939, Serial No. 88,111
Term of patent 3½ years



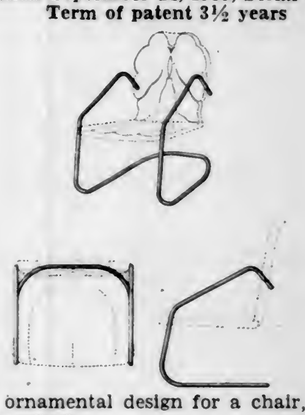
The ornamental design for a child's coat, substantially as shown.

118,039
DESIGN FOR A CHAIR
Grover C. Gilkison, Elyria, Ohio
Application September 14, 1939, Serial No. 87,226
Term of patent 3½ years



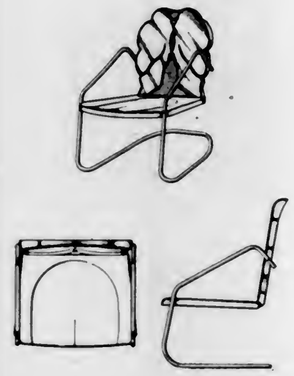
The ornamental design for a chair, as shown and described.

118,040
DESIGN FOR A CHAIR
Grover C. Gilkison, Elyria, Ohio
Application September 14, 1939, Serial No. 87,227
Term of patent 3½ years



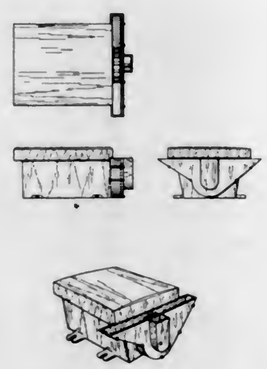
The ornamental design for a chair, as shown and described.

118,041
DESIGN FOR A CHAIR
Grover C. Gilkison, Elyria, Ohio
Application September 14, 1939, Serial No. 87,228
Term of patent 3½ years



The ornamental design for a chair, as shown.

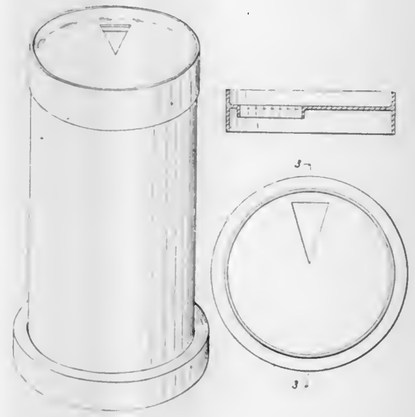
118,042
DESIGN FOR AN AIR CONDITIONING VAPORIZER
Harry Goodman and Vachel S. Dillingham, Oklahoma City, Okla. assignors to R. M. Wolfe, Oklahoma City, Okla.
Application August 26, 1939, Serial No. 86,902
Term of patent 14 years



The ornamental design for an air conditioning vaporizer, as shown and described.

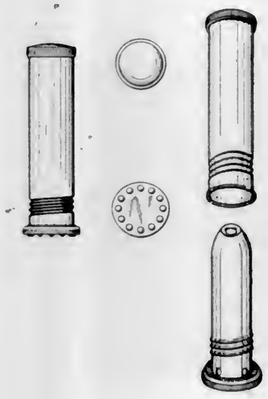
509 O. G.—33

118,043
DESIGN FOR A COMBINED ASHTRAY AND RECEPTACLE
Montgomery Hare, St. James, N. Y.
Application June 28, 1939, Serial No. 85,741
Term of patent 3½ years



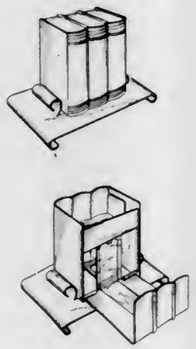
The ornamental design for a combined ashtray and receptacle, substantially as shown.

118,044
DESIGN FOR AN INHALER
Allan C. Hoffman, Millidale, and Frederick Reutter, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 2, 1939, Serial No. 83,292
Term of patent 7 years



The ornamental design for an inhaler, substantially as shown.

118,045
DESIGN FOR A RECEPTACLE FOR PERFUME BOTTLES OR THE LIKE
Theodore J. Ignall, Sunnyside, Long Island, and Ernest Penker, Astoria, N. Y., assignors to Cardinal Parfums, Inc., New York, N. Y., a corporation of New York
Application April 20, 1939, Serial No. 84,418
Term of patent 3½ years



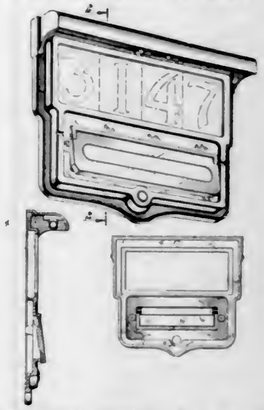
The ornamental design for a receptacle for perfume bottles or the like, as shown and described.

118,046
DESIGN FOR A WOVEN TEXTILE FABRIC
Benjamin M. Kaufman, New York, N. Y.
Application November 7, 1939, Serial No. 88,107
Term of patent 3½ years



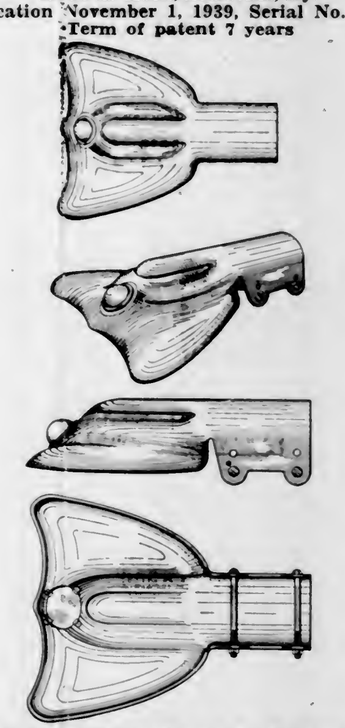
The ornamental design for a woven textile fabric, substantially as shown.

118,047
DESIGN FOR A COMBINATION FRAME
Robert O. Kirchhan, Milwaukee, Wis., assignor to Milwaukee Brass Specialty Company, Milwaukee, Wis., a partnership composed of Charles O. Kirchhan and Robert O. Kirchhan
Application March 31, 1939, Serial No. 83,953
Term of patent 14 years



The ornamental design for a combination frame, as shown.

118,048
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application November 1, 1939, Serial No. 87,996
Term of patent 7 years



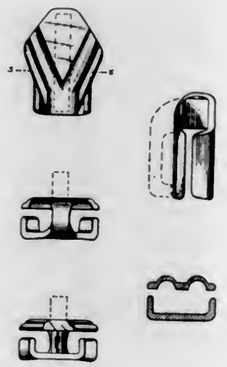
The ornamental design for an automobile exhaust shroud, as shown.

118,049
DESIGN FOR A MERCHANDISE CONTAINER OR SIMILAR ARTICLE
Walda Kuehn, New York, N. Y., assignor to Peck & Peck, New York, N. Y., a corporation of New York
Application June 23, 1939, Serial No. 85,651
Term of patent 3½ years



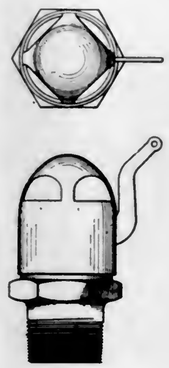
The ornamental design for a merchandise container or similar article, substantially as shown and described.

118,050
DESIGN FOR A SLIDER BODY FOR SLIDE FASTENERS
Birdsall P. Lawson, New York, N. Y., assignor to Ideal Fastener Corporation, Brooklyn, N. Y., a corporation of New York
Application April 26, 1939, Serial No. 84,559
Term of patent 3½ years



The ornamental design for a slider body for slide fasteners, as shown.

118,051
DESIGN FOR A VALVE OR SIMILAR ARTICLE
Hamilton Merrill, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application August 16, 1939, Serial No. 86,733
Term of patent 7 years



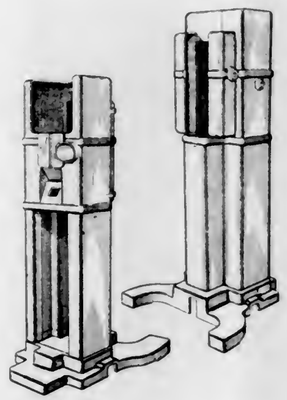
The ornamental design for a valve or similar article, substantially as shown.

118,052
DESIGN FOR A DECORATIVE WALL PLAQUE OR ANALOGOUS ARTICLE
Arthur A. Nudell, Chicago, Ill.
Application February 9, 1939, Serial No. 82,891
Term of patent 3½ years



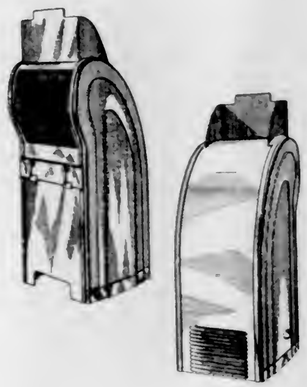
The ornamental design for a decorative wall plaque or analogous article, as shown.

118,053
DESIGN FOR A CASING FOR A SHOE MACHINE
Frederick A. Prahl, Jr., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J.
Application October 27, 1939, Serial No. 87,896
Term of patent 14 years



The ornamental design for a casing for a shoe machine, substantially as shown.

118,054
DESIGN FOR A SPRAY BOOTH
Frederick A. Prahl, Jr., Hamilton, and Charles C. Bell, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 1, 1939, Serial No. 87,999
Term of patent 14 years



The ornamental design for a spray booth, substantially as shown.

118,055
DESIGN FOR WOVEN TEXTILE FABRIC
Andrew W. Roth, Harrison, N. Y., assignor to Roth-Getzoff & Company, New York, N. Y., a corporation of New York
Application August 25, 1939, Serial No. 86,875
Term of patent 3½ years



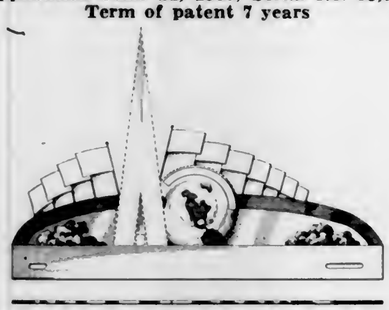
The ornamental design for woven textile fabric, as shown.

118,056
DESIGN FOR WOVEN TEXTILE FABRIC
Andrew W. Roth, Harrison, N. Y., assignor to Roth-Getzoff & Company, New York, N. Y., a corporation of New York
Application August 25, 1939, Serial No. 86,878
Term of patent 3½ years



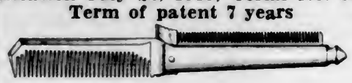
The ornamental design for woven textile fabric, as shown.

118,057
DESIGN FOR AN AUTOMOBILE ORNAMENT PLATE
James J. Sapione, Port Chester, N. Y.
Application June 21, 1939, Serial No. 85,614
Term of patent 7 years



The ornamental design for an automobile ornament plate, as shown and described.

118,058
DESIGN FOR A COMBINED COMB AND CURLER
Herman C. Schlicker, Brooklyn, N. Y., assignor to Rollocurl Corporation, New York, N. Y., a corporation of New York
Application July 22, 1939, Serial No. 86,185
Term of patent 7 years

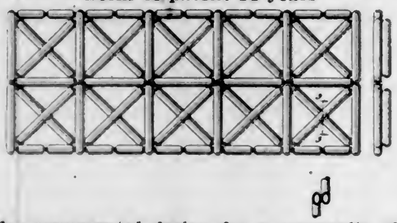






The ornamental design for a combined comb and curler, as shown.

118,059
DESIGN FOR A COMPOSITE CHARACTER SIGN
Albert Shernov, New York, N. Y.
Application July 25, 1939, Serial No. 86,230
Term of patent 14 years



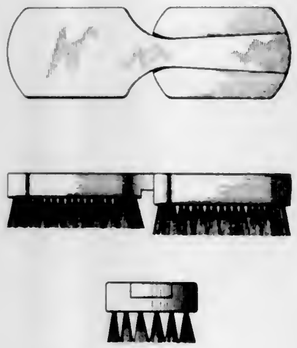
The ornamental design for a composite character sign, as shown.

118,060
DESIGN FOR A TEA CART
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Appiication September 13, 1939, Serial No. 87,198
Term of patent 7 years



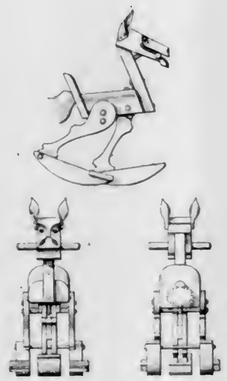
The ornamental design for a tea cart, as shown.

118,061
DESIGN FOR A COMBINATION CLOTH AND HAIR BRUSH
Frank R. Weber, Troy, N. Y., assignor to Mohawk Brush Company, Albany N. Y., a corporation of New York
Application March 21, 1939, Serial No. 83,736
Term of patent 14 years



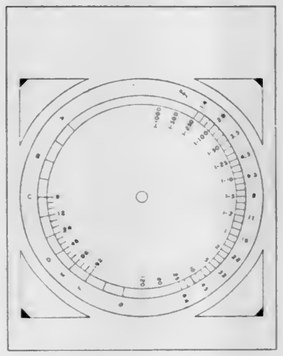
The ornamental design for a combination cloth and hair brush, substantially as shown.

118,062
DESIGN FOR A TOY
Fred S. Welch and Glyn O. White, Los Angeles, Calif., assignors to Clyde S. Payne, Junior, Los Angeles, Calif.
Application May 18, 1939, Serial No. 85,076
Term of patent 7 years



The ornamental design for a toy, as shown.

118,063
DESIGN FOR A PHOTOGRAPHIC EXPOSURE CALCULATOR
Hugh Alfred Wennerholm, Santa Monica, Calif.
Application August 22, 1939, Serial No. 86,828
Term of patent 7 years



The ornamental design for a photographic exposure calculator, as shown and described.

118,064
DESIGN FOR A FISH LURE
Stanley M. Wright and Andrew D. McGill, Denver, Colo.
Application May 16, 1939, Serial No. 85,010
Term of patent 7 years



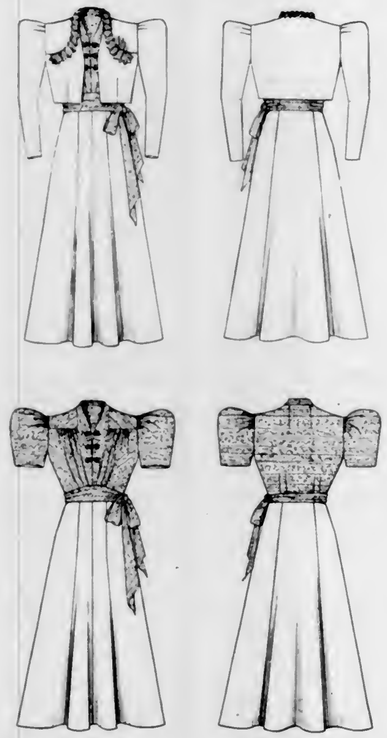
The ornamental design for a fish lure, as shown.

118,065
DESIGN FOR A TOASTER OR THE LIKE
Oscar M. Anderson and Nils T. Almquist, New Britain, Conn. assignors to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application December 1, 1938, Serial No. 81,495
Term of patent 7 years



The ornamental design for a toaster or the like, substantially as shown and described.

118,066
DESIGN FOR A DRESS ENSEMBLE
Israel Buchholz, New York, N. Y.
Application November 13, 1939, Serial No. 88,203
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,067
DESIGN FOR A DRESS ENSEMBLE
Israel Buchholz, New York, N. Y.
Application November 14, 1939, Serial No. 88,247
Term of patent 3½ years



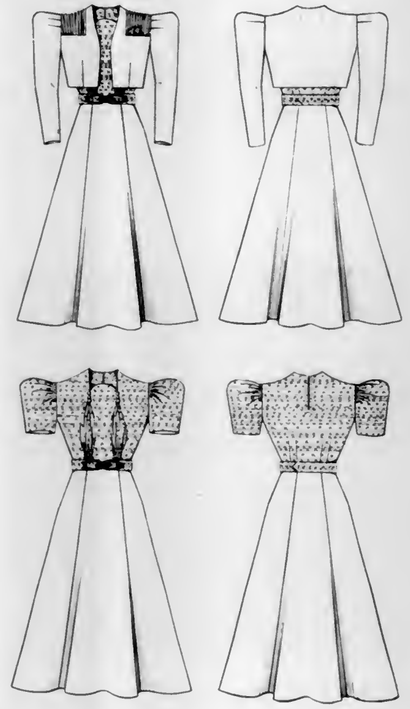
The ornamental design for a dress ensemble, substantially as shown.

118,067—Continued



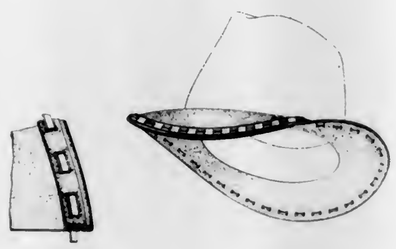
The ornamental design for a dress ensemble, substantially as shown.

118,068
DESIGN FOR A DRESS ENSEMBLE
Israel Buchholz, New York, N. Y.
Application November 14, 1939, Serial No. 88,249
Term of patent 3½ years



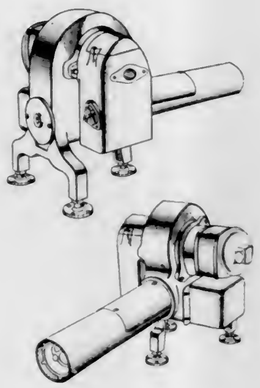
The ornamental design for a dress ensemble, substantially as shown.

118,069
DESIGN FOR A HAT
John Cavanagh, Norwalk, Conn., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application April 6, 1939, Serial No. 84,088
Term of patent 14 years



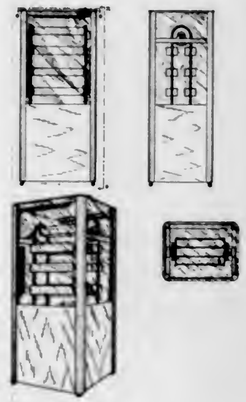
The ornamental design for a hat, substantially as shown and described.

118,070
DESIGN FOR AN OIL BURNER
Joseph A. D'Elia, Bridgeport, Conn.
Application July 22, 1939, Serial No. 86,181
Term of patent 14 years



The ornamental design for an oil burner, substantially as shown.

118,071
DESIGN FOR A MERCHANDISE DISPLAY CABINET
Ralph E. Eckberg, deceased, late of Seattle, Wash., by Gwendolyn Eckberg, executrix, Seattle, Wash.
Application September 6, 1939, Serial No. 87,069
Term of patent 7 years



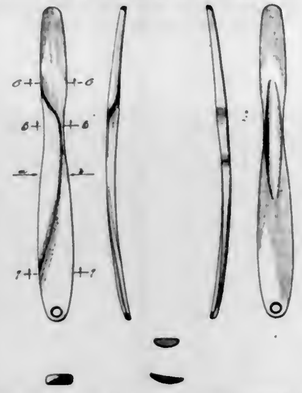
The ornamental design for a merchandise display cabinet, as shown.

118,072
DESIGN FOR A DRESS
Pearl C. Friend, New York, N. Y.
Application November 7, 1939, Serial No. 88,088
Term of patent 3½ years



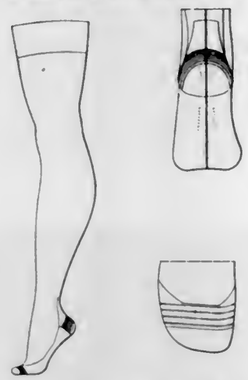
The ornamental design for a dress, substantially as shown.

118,073
DESIGN FOR A TOOTH BRUSH HANDLE
Stanley M. Gower, Skowhegan, Maine
Application September 6, 1939, Serial No. 87,073
Term of patent 14 years



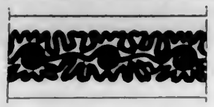
The ornamental design for a tooth brush handle, as shown.

118,074
DESIGN FOR A STOCKING
Hugo Hemmerich, Wyomissing, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a corporation of Pennsylvania
Application June 24, 1939, Serial No. 85,659
Term of patent 14 years



The ornamental design for a stocking, as shown and described.

118,075
DESIGN FOR AN EMBROIDERED TRIMMING
Michael B. Kaplan, New York, N. Y.
Application November 9, 1939, Serial No. 88,135
Term of patent 3½ years



The ornamental design for an embroidered trimming substantially as shown.

118,076
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
Gerald Murphy, New York, N. Y., assignor to Mark Cross Company, New York, N. Y., a corporation of New York
Application June 14, 1939, Serial No. 85,491
Term of patent 14 years



The ornamental design for a handbag or similar article, substantially as shown.

118,077
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,166
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,078
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,167
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,079
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,168
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,080
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939 Serial No. 88,169
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,081
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,170
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,082
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,171
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,083
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,172
Term of patent 3½ years



The ornamental design for a textile fabric as shown.

118,084
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,173
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,085
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,174
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,086
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,175
Term of patent 3½ years



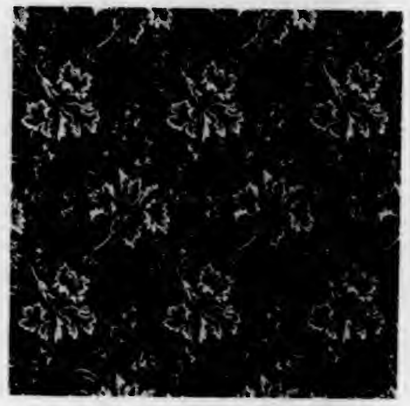
The ornamental design for a textile fabric, as shown.

118,087
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,176
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,088
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,177
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,089
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,178
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,090
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,179
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,091
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,180
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,092
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,181
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,093
DESIGN FOR A TEXTILE FABRIC
Robert J. Murray, Philadelphia, Pa., assignor to Kaufman Plush Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 88,182
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

118,094
DESIGN FOR A DRESS
Fred Perlberg, New York, N. Y.
Application November 7, 1939, Serial No. 88,092
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,095
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application October 20, 1939, Serial No. 87,745
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,096
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application November 1, 1939, Serial No. 87,975
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,097
DESIGN FOR A RIBBON FABRIC
Irwin B. Simon, San Francisco, Calif.
Application October 16, 1939, Serial No. 87,677
Term of patent 7 years



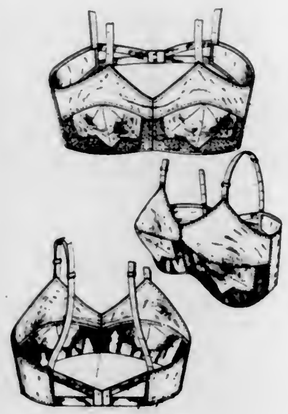
The ornamental design for a ribbon fabric, as shown and described.

118,098
DESIGN FOR ALPHABET
Laszlo B. Biro, Jamaica, N. Y.
Application October 22, 1937, Serial No. 72,364
Term of patent 3½ years



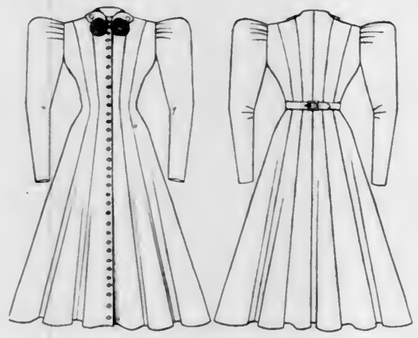
The ornamental design for alphabet, substantially as shown.

118,099
DESIGN FOR A BRASSIÈRE
David Blair, Chicago, Ill.
Application October 13, 1939, Serial No. 87,652
Term of patent 7 years



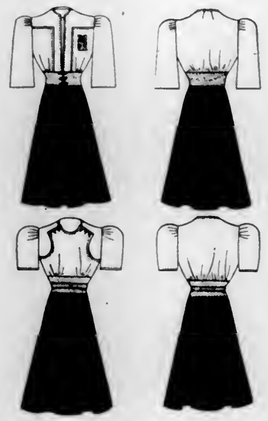
The ornamental design for a brassière as shown and described.

118,100
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,971
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,101
DESIGN FOR A DRESS ENSEMBLE
Elfie N. Perper, New York, N. Y.
Application November 14, 1939, Serial No. 88,264
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,102
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application November 14, 1939, Serial No. 88,266
Term of patent 3½ years



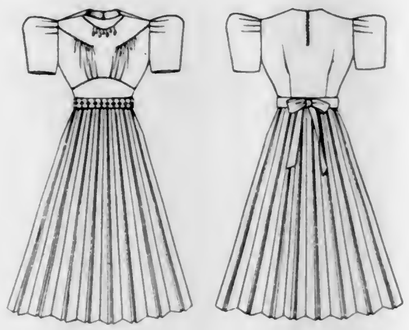
The ornamental design for a dress, substantially as shown.

118,103
DESIGN FOR A DRESS
Joesphine Schwartz, New York, N. Y.
Application November 14, 1939, Serial No. 88,263
Term of patent 3½ years



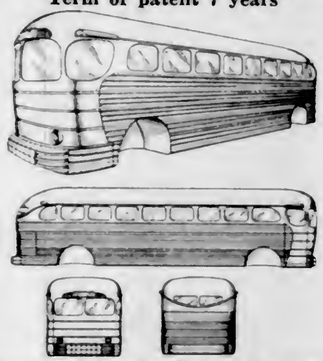
The ornamental design for a dress, substantially as shown.

118,104
DESIGN FOR A DRESS
Abraham Wughalter, New York, N. Y.
Application November 14, 1939, Serial No. 88,257
Term of patent 3½ years



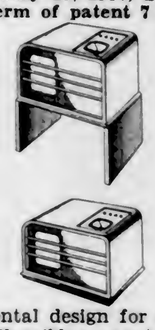
The ornamental design for a dress, substantially as shown.

118,105
DESIGN FOR A MOTOR COACH BODY
William O. Block, Detroit, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application August 30, 1939, Serial No. 86,964
Term of patent 7 years



The ornamental design for a motor coach body, as shown.

118,106
DESIGN FOR A COMBINED RADIO CABINET AND COLLAPSIBLE SUPPORT THEREFOR
David Dillon, New York, N. Y.
Application July 19, 1937, Serial No. 70,528
Term of patent 7 years



The ornamental design for a combined radio cabinet and collapsible support therefor, substantially as shown and described.

118,107
DESIGN FOR A COAT
Jacob A. Silverman, Brooklyn, N. Y.
Application August 15, 1939, Serial No. 86,703
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

Patents Nos. 2,183,520 to 2,184,266

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Trade-Marks	118—No.	373,673 to No.	373,790 inclusive.
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Labels	7—No.	54,033 to No.	54,039, inclusive.
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Reissues	6—No.	21,301 to No.	21,306, inclusive.
Plant Patents	1—No.	350	
Patents	747—No.	2,183,520 to No.	2,184,266, inclusive.
Designs	116—No.	118,108 to No.	118,223, inclusive.
Total	1,042		

U. S. Court of Customs and Patent Appeals

Notice Re December 23 and 30, 1939

Attention of attorneys is called to the fact that the President has ordered that the several executive departments shall be closed all day on Saturday, December 23, and Saturday, December 30. This order does not apply to this court, and, therefore, this is to advise you that the office of the clerk of this court will be open as usual until one o'clock on each of these days, but there may be no mail delivery. Where time is of the essence, papers should be *delivered* at the office of the Captain of the Guard, at the main entrance of the Internal Revenue Building on Constitution Avenue (see footnote on page 1 of the rules). Persons desiring to visit the clerk's office should apply at the same entrance.

ARTHUR B. SHELTON,
Clerk.

Rule 72

RULE 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Drawings

PRECAUTIONS TO BE OBSERVED IN FORWARDING DRAWINGS TO THE UNITED STATES PATENT OFFICE

Where drawings are to be filed in connection with an application for Letters Patent in the United States Patent Office, each sheet, before it can be accepted by the Office as a part of the application, must be signed in the name of the inventor at the lower right-hand corner, either by him or by an attorney whose written authorization from the applicant is filed in connection with the application. The signatures should never be written on a line parallel with the longer edges of the sheet, one of the shorter edges being always regarded, for the purpose of locating the signatures, as the lower edge of the sheet. The signatures must all be within the margin of the sheet and below the lines of the drawing. The title of the invention should be written with pencil on the back of each sheet of drawings.

When there are filed on the same day two or more applications by the same inventor, each of the documents and drawings belonging to the same application, should have placed thereon the same letter or number, which should be different from the letter or number placed upon those of any other of the applications.

It is desirable that all parts of the complete application, including the drawings, be deposited in the Office at the same time. Should, however, the other parts of the application be filed before the drawings are sent, the latter when forwarded should be accompanied by a letter stating the number of sheets inclosed, and that the drawings are to be filed with the other parts of the application, giving the date at which such other parts were filed in the Office, the name of the inventor, and title of the invention. If the application has received a serial number, that should also be given, and it should be indorsed with pencil on the back of each sheet of drawings. The letter should also state, if such be the case, that the new drawings are to be substituted for those previously filed.

Amendments

In order to insure the prompt delivery of amendments to the proper examining division, applicants are requested in their actions on applications to give the division number and the room number appearing on the last Office letter, as well as the date of such letter.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,965,225, J. H. Erter, Fractionating tower control system, decided November 10, 1939, claim 2.

Pat. 2,046,256, H. H. Fisher, Method and apparatus for liberating air from receptacles containing carbonated beverages, decided November 28, 1939, claims 1, 2, 3, 4, and 7.

Condition of Applications Under Examination at Close of Business December 2, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,160; Trade-Mark Division, 1,435. Oldest new case, Apr. 20, 1939; oldest amended, Apr. 29, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 4	July 13	602
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 26	May 6	794
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 3	Oct. 3	379
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 22	July 24	588
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	Sept. 5	Sept. 9	459
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	June 10	June 14	933
5725	7. JARBOE, C. G., Optics; Photography	Aug. 1	July 21	945
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 5	May 31	1134
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 3	July 4	719
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices	July 29	Aug. 21	558
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 4	Aug. 10	479
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	May 26	May 29	495
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 5	June 29	746
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 28	Sept. 19	392
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 14	June 12	1371
5716	16. SPENCER, C. J., Telegraphy; Telephony	June 30	June 30	729
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 29	July 18	711
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 21	July 7	521
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 8	July 4	487
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 19	July 21	397
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 1	Aug. 1	551
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 22	May 26	1080
7624	23. BUTTNER, W. J., Registers (part)	Apr. 20	Apr. 29	312
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 15	May 4	1380
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 12	Aug. 10	614
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	July 13	July 12	561
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	May 13	May 13	1101
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	July 31	June 30	448
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 15	June 14	832
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	July 2	July 5	836
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 3	Aug. 5	905
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 25	July 14	412
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 29	July 22	989
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Sept. 14	Sept. 27	229
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 19	July 17	756
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 13	June 27	646
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 3	July 4	763
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	May 17	May 17	859
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 2	Aug. 4	633
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	May 23	May 23	1957
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	July 11	July 5	274
5882	42. CUTTING, H. O., Electric Signaling	May 19	May 3	706
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 1	Aug. 2	575
4087 B	44. HARVEY, L. P., Refrigeration	July 5	June 30	697
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 26	July 17	542
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 6	July 13	753
6082	47. LOWE, E. R., Clutches; Brakes	Aug. 3	Aug. 7	560
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 1	July 29	471
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	May 29	May 8	1039
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	June 23	June 23	1338
5628	51. BACKUS, C. D., Radiant Energy (part)	Sept. 13	Sept. 13	671
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 26	July 29	672
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 20	Aug. 12	303
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Aug. 31	Aug. 18	364
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	June 20	June 6	503
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 9	June 2	1299
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	July 10	July 21	476
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 11	Aug. 25	419
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	July 3	July 6	820
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 26	July 26	410
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	July 8	July 7	619
5621	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 19	Sept. 16	426
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 9	June 5	1013
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Aug. 17	Aug. 17	698
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 11	July 15	534
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Nov. 2	Nov. 15	1359
	{Labels and Prints	Nov. 20	Nov. 20	76
2605	Designs: H. H. KALUPY	Oct. 28	Oct. 13	735

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE HUTCHISON

No. 4,154. Decided June 26, 1939

[104 F.(2d) 829]

PATENTABILITY—WELDING NOZZLE.

Certain claims for a welding nozzle *Held* patentable, and a certain other claim *Held* unpatentable over the prior art.

APPEAL from Patent Office. Modified.

Mr. Eugene L. Greenewald (*Mr. Paul M. Geist* and *Mr. Barnwell R. King* of counsel) for Hutchison.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

The application for patent here involved, filed in the United States Patent Office May 25, 1938, relates to welding nozzles, specifically, as described by the Examiner, "to a tip for a manually operated welding torch." All the claims, numbered 21 to 25, inclusive, were rejected by the Examiner whose decision was affirmed by the Board of Appeals, being twice considered by it, its second statement being made in response to appellant's petition for reconsideration. From the decision of the Board appeal was taken to this court.

Claim 21 illustrates the subject matter:

21. A welding nozzle adapted to be secured to a blowpipe or welding head, said nozzle comprising a one-piece body having a bore extending axially through said body and terminating in a single main welding jet discharge orifice coaxial with said bore, said body also having a pair of parallel coplanar gas outlet passages communicating with said bore and extending through the wall thereof at an acute angle to the axis of said bore, each of said passages being inclined toward said main orifice and having a preheating jet discharge orifice of smaller diameter than the diameter of said single main orifice, said pair of passages having their discharge orifices disposed at a substantial distance behind said main orifice.

The brief for appellant emphasizes the limitations of the respective claims as follows:

• • • said body also having *a pair of* • • • *gas outlet passages* • • • *extending through the wall thereof* • • • *inclined toward said main orifice* and having *a preheating jet discharge orifice of smaller diameter than the diameter of said* • • • *main orifice*, said pair of passages having *their discharge orifices disposed at a substantial distance behind said main orifice.*

Claim 23 contains the same limitations as claims 21 and 22, except that the preheat passages are defined as extending through a protuberance on the side wall of the body, which protuberance *is spaced a substantial distance behind the welding discharge orifice.*

Claims 24 and 25 contain, in addition to the limitations defined in claims 21 and 22, a restriction to *an elongated or effective tapering portion* within the bore of the nozzle body *and disposed between the welding jet orifice and the entrances* to the preheating jet orifices.

The following patents are cited as references: Mandeville, 1,846,743, February 23, 1932; Anderson, 1,964,701, June 26, 1934; Kehl, 1,981,624, November 20, 1934.

Appellant's device is described by the Examiner in the following language, the numerals being omitted as indicated by stars:

This torch tip • • • in addition to the usual orifice • • • for the main welding jet, has drilled through its sidewalls back of the main jet a pair of gas passages • • • for preheating jets, which will direct flames to the metal on the sides of the seam to be welded. These preheating jets may be parallel or divergent • • •.

At the point of outlet to the passages • • • the axial bore is diminished in size by [a] shoulder • • • From [the] shoulder • • • the axial bore • • • is tapered toward the main jet orifice, to give a hard blowing or high velocity flame.

The torch is held with the flame directed backwardly toward the welded portion of the seam, and the preheating jets directed against the edges of the unwelded metal • • • and is then advanced along the seam in a series of backward and forward movements.

The patent to Kehl is the principal reference. Of this patent the Examiner said:

Kehl shows a torch tip with a main welding jet orifice, and a preheating jet orifice in the side wall. • • •

The axial bore or gas passage of the tip is diminished in size at a shoulder similar to the shoulder • • • of applicant's structure. At this point the preheating gas passage branches off at an angle to the main gas passage and main jet axis.

In view of certain arguments made by appellant in connection with his motion for rehearing before the Board the latter tribunal in its second decision elaborated upon the Kehl patent in the following language:

• • • tip 10 is provided with a drilled outlet 13 and an angularly drilled outlet 14, both outlets opening into a larger tapped outlet 15 which is coaxial with the outlet 13, that the proper angle between outlets 13 and 14 may be determined from the inclination of the head M and from the character of the work to be welded, heavier work requiring a smaller angle between the outlets in order to concentrate the preheating flame from outlet 14 more locally and nearly vertically upon the edges of the work. The patentee further states that it will be readily appreciated that a number of similar tips having outlets varying in size and in degree of angularity from one another may be employed in conjunction with the type of nozzle shown.

The Anderson patent was cited by the Examiner as showing—

a torch tip wherein use is made of a plurality of preheating orifices. Some of these orifices are arranged in pairs, each pair lying in the same plane directing a flame on each side of the seam.

The patent to Mandeville discloses, as stated by the Board, "a long tapering portion in a [welding] nozzle."

Claims 21, 22, and 23 were rejected on Kehl in view of Anderson, and claims 24 and 25 on Kehl in view of Anderson and Mandeville.

It is not disputed that the references disclose the features recited. On the other hand, there is no claim that any one of the patent structures of itself meets the structure of appellant, nor is there any claim that, without modification, the structural features of the several patents could be combined to produce appellant's device. In the final analysis the meaning of the concurring decisions below is that the modifications did not involve invention. Appellant insists that they did involve invention.

One of the complaints of appellant in the brief before us is that the Board "failed to consider all elements of each claim jointly, but attacked each claimed limitation separately." Inasmuch as appellant must rely upon structural differences for patentability, all of the claims being for structure, we are unable to discern how the issues could be intelligently determined without comparing the individual features of the references with the cor-

responding features in the device of appellant. Strictly speaking, no feature of appellant's device seems to be new. The only new thing is the combination brought about by rearrangement, certain alterations being necessary to such rearrangement.

As has been indicated, the limitations claimed by appellant to distinguish his structure in a patentable sense are emphasized in the quotation from his brief, supra. The first of these is a "*pair of * * * gas outlet passages * * * extending through the wall thereof.*" Appellant states that Kehl did not disclose this. Such is true, but Anderson does disclose a plurality of passages. The second italicized clause describes the passages as being "*inclined toward said main orifice.*" We deem the expression of the Board as to the teaching of the Kehl patent concerning the proper angle between outlets, quoted above, sufficient upon this point as it also is with respect to another emphasized feature—that of "a preheating jet discharge orifice of smaller diameter than the diameter of said * * * main orifice." Surely, since the prior art shows orifices of varying dimensions it did not involve invention to select the size of orifice best adapted to the use being made of the device containing such orifices. In its first decision the Board stated:

> The Kehl patent discloses that the diameter of the preheating passage may be smaller than that of the welding passage or passages and also discloses that the outlets may vary in size and degree of angularity.

Another limitation emphasized by appellant is that of an "elongated or effective tapering portion" within the bore of the nozzle body. The Mandeville patent shows a nozzle having a tapered axial passage which seems to produce a mixing chamber for gases employed in the use of the blowpipe to which the nozzle is attached. The use of the tapered passage of Mandeville may differ somewhat from the use to which appellant's tapered passage is applied and the locations of the respective tapering portions may differ, but structurally Mandeville's tapered portion meets appellant's tapered portion, and, since the patent and the application are in the same art, it is not seen how, so far as this case is concerned, invention may be attributed to a combination embracing this particular feature merely because of a difference in use or a difference in location.

The feature most strongly emphasized by appellant is that of the location of the discharge orifices in the pair of passages. These orifices are disposed at a substantial distance behind the main orifice. This limitation appears in all the claims except claim 24. The prior art does not disclose an arrangement of this character.

It was the view of the Examiner, concurred in by the Board, as epitomized in the brief of the Solicitor for the Patent Office, "that the distance in question was more or less a matter of degree."

There is in the record an affidavit by patentee Kehl. This affidavit seems not to have been before the Examiner, it having been filed with the Board in connection with appellant's petition for reconsideration of its first decision. Of it the Board said:

> The affidavit submitted with petitioner's supplement to the request for reconsideration has not been considered as an affidavit but has been regarded merely as cumulative argument of the same character as that of the request for reconsideration.

We, of course, have considered it upon the same basis. The document, inter alia, states:

> The spacing of the entrances to the preheat discharge passages a substantial distance behind the entrance to the main welding discharge passage overcomes the tendency of the latter to rob gas from the former. The absence of this gas-robbing tendency makes it possible to employ a pair of preheat passages of substantially less cross-sectional area than the welding jet passage and still maintain excellent stability of the preheat flames.
>
> By providing a pair of preheat passages extending through the wall of the tubular nozzle and discharging to the atmosphere a substantial distance behind the main welding discharge orifice requires a substantially different welding technique from that employed with the patented device. Due to the wide spacing of the welding and preheating discharge orifices, this new welding technique requires the nozzle of the Hutchison application to be disposed at a relatively slight angle (nearly tangent) to the work as shown in Fig. 5 in order to render the preheating jets effective. The angular inclination of the preheat passages toward the main discharge orifice plays a significantly different role in the new welding technique from that of the preheat passage of the patented device in the technique employed with the latter. In the Hutchison device, the preheat passages direct the preheating jets against each side of the V-groove of the seam at a point substantially ahead of and toward the welding point as contrasted with the patented device which directs a single preheating jet into the V-groove of the seam in extremely close proximity with, and away from the welding point. The preheating jets of the Hutchison apparatus maintains extremely hot an extensive portion of the unwelded work ahead of the welding point, and, therefore, ample time is provided for soaking the preheat into the metal before successive portions reach the main welding jet. It is possible, therefore, to weld several times faster with the Hutchison nozzle than with the patented welding device of Kehl.

The above is substantially in conformity with the teachings of appellant's specification and states, in a succinct manner, matter argued at considerable length in appellant's brief. We are impressed with its force. It is realized that "substantial distance" is a relative and somewhat indefinite term, or phrase, but terms and phrases of this character are not uncommon in patents in cases where, according to the art involved, the meaning can be determined with reasonable clearness. No objection was made below upon the ground of indefiniteness. While we do not regard this case as being precisely on all fours with the oft cited case of *Eibel Process Co.* v. *Minnesota and Ontario Paper Company*, 261 U. S. 45, 310 O. G. 3, where the Supreme Court sustained a patent which had been granted involving only a change of elevation of one end of the wire used in a paper-making machine, we are of the opinion that what appellant has done marks an advance in the art to which his device is applied that rises to the dignity of invention.

There is some argument in the brief of the Solicitor for the Patent Office, based upon the theory that appellant's application as originally filed (it not being embraced in the record in that form and there being indications that it was amended in certain particulars) may not at first have made any point about there being a considerable distance between the main discharge orifice and the preheating orifices. However, the Solicitor's brief states that it is not intended by certain references made to the specification "to intimate that the reference to substantial distance * * * is new matter." This does not appear to us to be a matter of moment here. There has been no objection respecting the sufficiency of the record filed upon appeal, and we find no reference in the decision below indicating any question respecting the disclosures in the original specification.

Numerous cases are cited in the briefs before us but since, as so often has been said, each case of this character, in the final analysis, must be decided upon its particular facts, no valuable purpose could be served by their discussion. Our conclusion here is not believed to be contrary to the principle involved in any authorities cited by the Solicitor for the Patent Office.

The decision of the Board is modified, being affirmed as to claim 24 and reversed as to claims 21, 22, 23, and 25.

Modified.

U. S. Court of Customs and Patent Appeals

SPARKLETS CORP. *v.* WALTER KIDDE SALES CO.

WALTER KIDDE SALES CO. *v.* SPARKLETS CORP.

Nos. 4,162 and 4,164. Decided June 19, 1939

[104 F.(2d) 396]

1. TRADE-MARK—OPPOSITION—DUTY TO DETERMINE EX PARTE RIGHT TO REGISTRATION.

Where the Commissioner dismissed a notice of opposition to an application for registration of a trade-mark but refused to grant the registration "Regardless * * * of opposer's rights in the matter," *Held* that "It was not only the right but the duty of the tribunals of the Patent Office to determine, ex parte, and without reference to issues raised by the notice of opposition, whether the mark was entitled to registration. *The Coshocton Glove Co.* v. *Buckeye Glove Co.*, 24 C. C. P. A. (Patents) 1338, 90 F.(2d) 660. In so doing it was proper to consider the official records in the Patent Office including the Campbell patent."

2. SAME—SAME.

Registration for use on bulbs or capsules designed to contain compressed or liquefied gas, of a mark, claimed to be a trade-mark, described in the application as consisting "of a groove or depressed band located about midway of the length of the bulb but slightly nearer to its neck than to its round base, and * * * applied or affixed to the goods by spinning or pressing the same into the bulbs or capsules," *Held* properly refused for the reason that the groove as an entity possessed utility and is not a proper subject for registration as a trade-mark, and *Held* that upon the above holding the case becomes moot so far as the opposer is concerned and its appeal is dismissed.

APPEAL from Patent Office (4162) Affirmed.

APPEAL from Patent Office. (4164) Dismissed.

Mr. Charles A. Vilas and *Mr. Henry J. Savage* (*Mr. Paul A. Blair* of counsel) for Sparklets Corp.

Messrs. Darby and Darby (*Mr. Louis D. Fletcher* of counsel) for the Walter Kidde Sales Co.

GARRETT, *P. J.:*

We are here called upon to review the decision of the Commissioner of Patents refusing the application of Sparklets Corporation for registration for use on bulbs or capsules designed to contain compressed or liquefied gas, of a mark, claimed to be a trade-mark, described in the application as consisting—

> "of a groove or depressed band located about midway of the length of the bulb but slightly nearer to its neck than to its round base, and * * * applied or affixed to the goods by spinning or pressing the same into the bulbs or capsules."

A pictorial representation of the grooved bulb may be seen in our decision in the case of *In re Campbell* (a design patent case) decided concurrently herewith (Suit No. 4146), 26 C. C. P. A. (Patents) —, 104 F.(2d) 394, it being the unnumbered figure there printed. The applicant disclaimed "any exclusive right to the representation of a bulb or capsule apart from the mark shown." The mark is occasionally referred to in the record as an "Indentation on a bulb for making soda water". The bulbs are used for the purpose of carbonating water contained in rechargeable syphon bottles.

The case presents the following state of facts:

Sparklets Corporation filed its application August 1, 1936. On August 24 the Examiner rejected the application, saying:

> Applicant's alleged mark is of such a nature that a design patent application would be the proper protective measure to adopt. There is nothing here to indicate origin or ownership, which are requisite factors in seeking trade-mark registration.

Reconsideration of the rejection was sought and the Examiner again refused registration "for reasons of record." Thereafter, however, for reasons not appearing in the record, further and favorable consideration seems to have been given the application and an order was issued, reciting that the application had been passed for publication and directing its publication in the Official Gazette of November 3, 1936. In the order it was stated that any person who believed that he would be damaged might oppose, and it was said, "If no notice of opposition is filed within said time the Commissioner may issue a certificate of registration."

On November 28, 1936, Walter Kidde Sales Company (appellee in Suit No. 4162 and appellant in Suit No. 4164 and hereinafter referred to by name) filed notice of opposition. January 7, 1937, Sparklets Corporation filed a motion to strike parts of the notice and on the same day a motion to dismiss the opposition. These motions were denied by the Examiner of Interferences in a decision dated February 2, 1937. Sparklets Corporation filed answer February 23, 1937. Walter Kidde Sales Company filed motion to strike certain parts of the answer, which motion was granted as to one item but denied as to others. The case finally was submitted without the taking of testimony.

In a decision dated May 26, 1937, the Examiner of Interferences held that Walter Kidde Sales Company had the right to oppose, saying inter alia:

> In effect this device is more or less of an ingenious attempt to obtain a perpetual monopoly thereof in the guise of a trade-mark, attempts to obtain a monopoly for a *limited* period under the patent statutes having been so far unsuccessful. Accordingly, it is held that the opposer can qualify under the descriptiveness clause of Section 5. The notice of opposition is therefore sustained.

Also, the Examiner of Interferences denied registration "Regardless of the right of the opposer to intervene" upon the ground that "the description of the mark is negative and indefinite, whereas it should be affirmative and definite."

Sparklets Corporation filed application for rehearing, and pending that entered a motion to amend the application apparently in an attempt to meet the ex parte objections of the Examiner of Interferences

The amendment although opposed by Walter Kidde Sales Company was allowed and the Examiner of Interferences rendered a second decision which concluded:

> * * * the notice of opposition is sustained and it is further adjudged that the applicant is not entitled to the registration for which it has made application.

Sparklets Corporation appealed to the Commissioner assigning many reasons of appeal, among them being an allegation that it was error not to have dismissed the notice of opposition. The Commissioner sustained this reason and reversed the Examiner of Interferences as to that holding, but affirmed his refusal to grant the registration "Regardless * * * of opposer's rights in the matter."

Both parties thereupon appealed to this court.

Under the view which we take of the case, it is unnecessary to consider the reasons of appeal assigned by Walter Kidde Sales Company. It is proper to say, however, that the record indicates that there has been a controversy between the respective parties here involved for a number of years from which litigation has resulted. The details of this litigation are not pertinent to the issue before us, and the matter is referred to only to show something of the background of the case. It appears that Sparklets Corporation and its parent company, a corporation of Great Britain, have been manufacturing bulbs of a plain type for syphon bottles over a long period of years and that Walter Kidde Sales Company several years ago entered the field and began manufacturing bulbs of the same type. Following certain litigation Sparklets Corporation, according to its answer to the notice of opposition, "caused its inventor, Robert H. Campbell, to file an application for a design patent" for the bulb, the grooved feature of which is alleged to constitute a trade-mark, being the mark at issue here. The design patent was denied and that case is the subject of our decision in *In re Campbell*, supra. Sparklets Corporation has sought to protect the grooved bulb by securing either a design patent or a trade-mark registration or both. There is also printed in the record, although Sparklets Corporation claims it not to be a proper part thereof (a matter we shall later discuss) a mechanical patent, No. 2,066,517, issued to R. H. Campbell, assignor to Sparklets, Limited, London, England, for "Metallic Bulb and Holder." Drawings of this patent show grooved bulbs of the type involved in the design patent application, supra. The mechanical patent referred to was held invalid by the United States District Court in a decision rendered in February 1938. It appears that in deciding the design patent case the Examiner indicated that the groove feature might be a proper matter for trade-mark registration, while the Examiner in the trade-mark registration proceeding, as quoted, supra, suggested "a design patent application would be the proper protective measure to adopt."

The Board of Appeals, however, did not in its decision in the Campbell case, supra, mention trade-mark registration, nor did the Commissioner in the instant case suggest the feasibility of a design patent.

In his first decision in the instant case (May 26, 1937) the Examiner of Interferences made reference by number to the Campbell mechanical patent, No. 2,006,517, saying, "it appears that the groove in the capsule shown in the drawing performs a mechanical function," and the Commissioner likewise referred to it in his decision rendered June 11, 1938, which was after the final decree of the United States District Court holding it invalid. He held, in effect, that the groove was an element of utility, and quoted from our decision in the case of *In re National Stone-Tile Corp.*, 19 C. C. P. A. (Patents) 1101, 57 F.(2d) 382, 420 O. G. 817, the holding that:

> It is well settled that the configuration of an article having utility is not the subject of trade-mark protection.

It is the contention of Sparklets Corporation that the Campbell patent was not properly a part of the record before the tribunals of the Patent Office and that it was error on their part to consider it.

It is said that the case was heard upon bill and answer upon the suggestion of the Examiner of Interferences, no evidence being introduced by either party. We note that the Examiner of Interferences did suggest that he regarded it—

> "unlikely that any testimony would be useful relative to the question of *the right of the opposer to intervene between this Office and the applicant*," [italics ours]

but he added—

> "If, however, either of the parties desires to take testimony the Examiner will set times for so doing upon a mere written request from the party wishing to take testimony."

So, obviously, the way was open for taking testimony had either party desired it.

It may be said that the Campbell patent was not issued until after the filing of the notice of opposition. Hence it could not have been pleaded then, nor introduced as an exhibit. That it might later have been introduced in evidence may be true, but that is immaterial here because, all this aside, the Commissioner considered the patent solely in connection with his ex parte decision. We do not think it was error so to consider it. The patent was a part of the record of the office, and furthermore it was owned by Sparklets Corporation or its parent company. So, obviously, apparently could not have been taken by surprise.

[1] It was not only the right but the duty of the tribunals of the Patent Office to determine, ex parte, and without reference to issues raised by the notice of opposition, whether the mark was entitled to registration. *The Coshocton Glove Co.* v. *Buckeye Glove Co.*, 24 C. C. P. A. (Patents) 1338, 90 F.(2d) 660, 485 O. G. 758. In so doing it was proper to consider the official records in the Patent Office including the Campbell patent.

Whether the grooved feature did have utility is a question of fact. Sparklets Corporation denies that it has. The Campbell patent specification, however, teaches that—

> "* * * the walls of the bulb are strengthened by a transverse depression or depressed band around the body * * *."

and that—

> "The depressed band or groove 28 in this bulb cooperates with the rib 27 to hold the neck of the bulb centrally in the nut of the bulb holder and in alignment with the piercing pin * * *."

It is perfectly evident that the groove was at least believed by the patentee to have utility at the time of making application, and claim 5 of the patent specifies a—

> "bulb having a transverse depression, and a rib in said holder engaging in said depression to hold the bulb with its neck centrally disposed within said nut."

[2] We are unable to escape the conclusion that the groove as an entity possessed utility and, for that reason, under the authorities, is not a proper subject for registration as a trade-mark. *In re Dennison Manufacturing Co.*, 17 C. C. P. A. (Patents) 987, 39 F.(2d) 720, 396 O. G. 350; *In re Vertex Hosiery Mills, Inc.*, 18 C. C. P. A. (Patents) 725, 45 F.(2d) 249, 402 O. G. 264.

In view of our conclusion with respect to the matter of utility, it is unnecessary for us to pass upon the merits of the holding of the Commissioner to the effect that quite apart from the question of mechanical utility the registration as a trade-mark would be unwarranted for the reason that it lacks trade-mark significance.

Upon the holding here made, the case becomes moot, so far as Walter Kidde Sales Company is concerned, and its appeal (Suit No. 4164) is dismissed. *Frankfort Distilleries, Incorporated*, v. *Dextora Company* (Suit No. 4116), 26 C. C. P. A. (Patents) —, 103 F.(2d) 924, and cases therein cited.

The decision of the Commissioner denying ex parte the registration sought is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KUPPENBENDER *v.* RISZDORFER

No. 4,167. Decided June 26, 1939

[104 F.(2d) 791]

INTERFERENCE—PRIORITY—RIGHT TO MAKE COUNT.

Record reviewed and *Held* that the senior party R has the right to make the count and that priority was properly awarded to him, the junior party K being under order to show cause why judgment should not be entered against him.

APPEAL from Patent Office. Affirmed.

Mr. F. Stern (*Mr. C. S. Grindle* of counsel) for Kuppenbender.

Mr. Rolla N. Carter (*Messrs. Glascock, Downing* and *Seebold* of counsel) for Riszdorfer.

JACKSON, *J.:*

This is an appeal in an interference proceeding from a decision of the Board of Appeals which affirmed the decision of the Examiner of Interferences awarding priority of invention to appellee, the senior party.

The interference is between Patent No. 2,031,321 of appellant, dated February 18, 1936, on an application Serial No. 753,080, filed November 15, 1934, and an application of appellee for reissue of his Patent No. 2,000,037, dated May 7, 1935, on application Serial No. 511,832, filed January 28, 1931.

The invention relates to means in a photographic camera for automatically determining the correct exposure of the film. The means comprise a photoelectric exposure meter under the control of both the adjusting means for the speed of the shutter and the adjusting means for controlling the amount of light admitted through the camera lens to the film.

The count originated in the patent to appellant and reads:

> The combination of a photographic camera with a photo electric exposure meter, including a lens system, means for adjusting the opening of said lens system, a shutter, means for adjusting the speed of said shutter, and means correlating both of said adjusting means with said photo electric exposure meter, said correlating means being adapted to control the reading of said exposure meter when either of said adjusting means are actuated, the said correlating means upon setting of one of said adjusting means being adapted to control the final adjustment of the other adjusting means to set up a predetermined reading in the exposure meter by both of said adjustments.

Responding to an order to show cause why judgment should not be entered against him, appellant moved to dissolve the interference on the ground that appellee had no right to make the claim corresponding to the count, and also on the ground that appellee was not entitled to a reissue of his patent.

The Primary Examiner denied the motion to dissolve, and thereafter the Examiner of Interferences awarded priority of invention of the subject matter in issue to appellee.

The sole question to be determined here is whether appellee has the right to make the claim corresponding to the count, the contention that he is not entitled to the reissue of his patent not being raised before us in the reasons for appeal. If appellee has such right, then the decision appealed from must be affirmed.

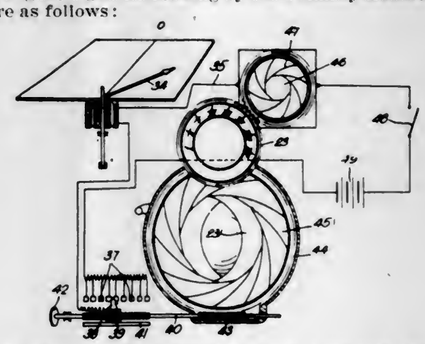
The original application of appellee contained three figures illustrative of his structure. During the prosecution of his application he was required to add additional drawings, the letter of the Primary Examiner, dated January 11, 1934, stating:

> * * * The ground of incomplete disclosure has been used before in this case in rejecting the claims and the requirement for the correction of the drawing has been discussed in two previous Office actions. This action is accordingly made final.
>
> In summary, claims 22–24 will be declared allowable and this case passed to issue when the above mentioned two new figures are presented and accepted and added to the drawings. These two new figures will be a clean copy of proposed Fig. 4 and a sketch of the proposed new figure which will be labeled Fig. 5.

This requirement of the Examiner, we think, must have been for the purpose of clarification.

The controversy here centers around Fig. 5. Appellant contends that the original disclosure of appellee is not sufficient to support the said figure.

Figure 5 and its reading by the Primary Examiner are as follows:



In the Riszdorfer reissue application in the form shown in Fig. 5, the photoelectric cell 46, shown behind the dia-

phragm 47 is in the circuit 35, 37 with the meter having the pointer 34 and the lens system is behind the iris diaphragm 45 which is adjustable for varying the opening in the lens. Setting disk 23 adjusts the speed of camera shutter 231 and also varies the light falling on cell 46 by varying the size of the opening in diaphragm 47 in front of the light sensitive cell 46. Adjustment of the opening in the lens system by rotating knob 42 varies the current in the exposure meter circuit by adjusting resistance 37 in the circuit and a change in the adjustment of disk 23 controlling the speed of the shutter varies the current in the same meter circuit by controlling the amount of light falling on the light sensitive cell. In Riszdorfer the cell acts as a conductor in circuit with a battery 49.

Appellee contended before the Primary Examiner that the count requires only that the adjustment of the exposure control devices control the reading of the exposure meter, and that it does not specify the particular means employed. Appellee relies upon Fig. 5 to show the two correlated adjustment means of the count. His contention is that the admission of said figure was justified by a sufficient original disclosure.

Appellant contends that there was no sufficient original disclosure to warrant the admission of the said figure. Appellant's contention is based upon the fact that Fig. 2 of the original application, of which Fig. 5 is a development, did not contain the setting disc 23. Figure 2 is substantially the same as Fig. 5 except that the said setting disc is omitted in Fig. 2. Fig. 1 of the original disclosure shows the disc 23. The Primary Examiner stated:

> The count is thought to be clearly readable on Fig. 5 of the Riszdorfer drawing for reasons above stated. The change in Fig. 2 to show the disc 23 originally described as controlling the shutter as originally shown in Fig. 1 was, it is thought, permissible. Fig. 5 described as showing an arrangement according to Fig. 2 with the shutter speed disc 23 connected with the diaphragm 47 of photo cell 46 does not, it is thought, involve new matter. In lines 42–50, page 1 of the Riszdorfer patent corresponding to lines 1 to 7, page 3 of the original description in the patented file shutter timing disc 23 is described as geared to the diaphragm 21 provided for cell 20.
>
> **The count is thought, therefore, to be clearly readable** on the form shown in Riszdorfer's Fig. 5. Whether the original Riszdorfer disclosure is sufficient to support Fig. 5 and the description of this figure added by amendment, must therefore be determined. Fig. 5 is described as corresponding substantially to Fig. 2 but having the diaphragm 47 of photocell 46 positively connected to the speed adjusting member 23 of a variable speed shutter by gear teeth.
>
> The following detailed description of Fig. 1 in lines 42–50, page 1 of the patent are copied from lines 1 to 7, page 3 of the original unamended Riszdorfer patented file: "20 is a photoelectric cell which may likewise be provided with a diaphragm 21. The mount 22 of the diaphragm is constructed as a toothed wheel and engages with disc 23 which is likewise constructed as a toothed wheel and which is the disc usually provided in photographic apparatus for adjusting the speed of the shutter of the objective."
>
> In lines 23–27, page 2 of the patent corresponding to the sentence beginning in the last two lines, page 3, and including lines 1 to 3, page 4 of the original Riszdorfer patented file, reference is made to the "shutter speed chosen each time being taken into consideration by the adjustment of the diaphragm 21 by means of disc 23". In lines 28–33, page 2 of the patent corresponding to the second complete paragraph, page 4 of the patented file, and in the succeeding canceled paragraph, reference is also made to adjusting diaphragm 21 independently by hand so that it is not affected by rotation of disc 23. The paragraph beginning with line 34, page 2 of the Riszdorfer original patent corresponds with the last complete paragraph, page 4 of the original unamended specification. The last sentence of the above mentioned paragraph taken with other original description reference is sufficient foundation, it is thought, for the additional Fig. 5 showing the apparently preferred photocell diaphragm operation in which the photocell of Fig. 2 is connected to disc 23 as in Fig. 1. In original Fig. 2 the diaphragm of the cell is shown in the alternative form as turned by hand

The Board did not correctly describe Fig. 2 of appellee's original application. It was stated by the Board that the figure—

> "disclosed an element 23 not very clearly shown or described in detail."

There is, as before stated, no such element shown in this figure. Neither can we find where—

> "it was stated, page 5 of the original specification that this element 23 was to be connected with and used for the shutter speed adjustment as in original Fig. 1 • • •."

The Board, in mentioning Fig. 2, was apparently referring to a drawing marked "Fig. 2" contained in an amendment tendered by appellee, dated October 13, 1933.

In his original application, with reference to Fig. 2, appellee stated:

> Instead of having two movable indicating members 18 and 30• *the same problem may also be solved* with one movable and one stationary indicating member. Such a construction is shown in Fig. 2. [It is also shown in Fig. 5.] In this construction the indicator • • • 34• is likewise moved by the cell current as already described for Fig. 1. The second indicating member is a line 0• on the matt plate or in the finder. In the cell circuit 35• there is a variable resistance 36•, over the contacts 37• of which the sliding contact 38• moves. The latter is carried by the travelling nut 39• which travels along the guide 41• when the spindle 40• is rotated. The spindle 40, capable of being rotated by the hand wheel or knob 42•, continues into the worm 43• which adjusts the objective diaphragm 45• by way of the screw wheel 44•, just as already described in the case of Fig. 1. The photocell 46•, with the diaphragm 47•, the switch 48•, and the battery 49• are similarly arranged as in Fig. 1. (Italics and matter in brackets supplied; elements marked with an asterisk are also to be found in Fig. 5.)

It is our opinion that appellee, in his application as originally filed, made it clear that in Fig. 2 he was showing an alternative structure whereby only one deflecting needle need be employed; in initiating his discussion of Fig. 2, appellee there stated:

> Instead of having two movable indicating members 18 and 30 the same problem may also be solved with one movable and one stationary indicating member. Such a construction is shown in Fig. 2. In this construction the indicator 34 is *likewise* moved by the cell current *as already described for Fig. 1.* (Italics ours.)

It seems to us that in Fig. 2 appellee was giving only the essential structural changes necessary to adapt the structure of Fig. 1 so as to employ but one deflecting needle, and that the absence of the disc 23, geared to the diaphragm of the photoelectric cell, does not indicate that this feature had been eliminated. This view is confirmed, we believe, by the language above quoted, wherein appellee states that indicator 34 (which corresponds to indicator 30 in Fig. 1) is "likewise moved by the cell current as already described for Fig. 1." We believe that this language should be construed as indicating that the deflection of indicator 34 was to be brought about through exactly the same mechanism and manipulation as obtained in deflecting indicator 30 in Fig. 1. This, of course, would result in including in Fig. 2 by inference the disc 23, and is, we think, a reasonable view of the matter. There is no apparent reason why an inventor, having devised a complete system as shown in Fig. 1, would, in stating an alternative structure affecting only certain elements, absolutely discard other features of his Fig. 1 whose continued presence and functioning in the structure were entirely consonant with his objective in the alternative structure, and we are not willing to hold that appellee so intended, especially in view of the indication to the contrary above pointed out. Having this view, we are of the opinion that Fig. 5 in effect discloses substantially what appellee originally intended should be the construction of Fig. 2, and the addition of Fig. 5 did not, in our opinion, **constitute new matter.**

We are in substantial agreement with the reasoning of the Primary Examiner and are of the opinion that said Fig. 5 is supported by the original disclosure of appellee.

Appellant contends that appellee discloses no "means correlating both of said adjusting means with said photoelectric exposure meter," as called for by the count. It is argued that, by the adjustment of the objective diaphragm 45 in Fig. 5, above illustrated, by turning knob 42, appellee varies resistance 37 without influencing light cell 46, and that a turning of the shutter speed adjusting disc controls the amount of light reaching cell 46 to decrease or increase its resistance in the battery circuit without influencing the resistance 37. Because of this separate influence upon the exposure meter, it is contended that the two adjusting means of appellee do not have reciprocal or mutual relations required to be "correlative." Appellant argues that the word "correlative" must be interpreted as meaning a direct relation between the two adjusting means, as is shown in his patent. This contention of appellant is met by the observation that, under the terms of the count, it is required only that means be present correlating both of said adjusting means, not with each other necessarily, but "with said photoelectric exposure meter."

In any event, it appears to us that each of the two separate adjusting means of appellee's Fig. 5 alters the reading of the meter, and that the two adjustments act jointly to bring the meter to a predetermined reading. Thus we think that the two adjustments are mutually related to the extent that the final adjustment of one to set up the predetermined reading in the meter directly depends upon the adjustment of the other.

Neither of the tribunals below was of the opinion that the claim corresponding to the count is ambiguous, and therefore gave the count the broadest interpretation that it will support. Appellant contends that "correlating" should be interpreted in the light of his patent, where the count originated. If we agreed with appellant it would result in our adopting a narrow construction of said word. If the count were ambiguous such interpretation would be warranted; but we think the count is clear and unambiguous; therefore resort may not be had to appellant's specification in interpreting it. Accordingly, no occasion arises for narrowly interpreting the same.

Appellant in his brief states that "This mutuality of effecting a change in the relation had been termed the 'correlation.' That term is not ambiguous."

We agree with the reasoning of the Board of Appeals, which is as follows:

> • • • The terms of the count are regarded as broad and not distinguishing in this respect. As noted above, it is our view also that the terms "correlating" and "to control" are of such scope as not to require actual driving connection but to govern the action of an indicator in connection with manual operation of parts. We find the count satisfied in all respects by the original disclosure of Riszdorfer. • • •

Appellant, of course, could have adopted appropriate language which would embrace his structure and exclude appellee's; but in our opinion such language is not present in the count before us. Appellant, having elected to use language which is somewhat broad in its scope, ran the risk of others with specifically different structure being able to come within the terms of the count, and he cannot now be heard to say that such broad language ought to be read in the light of his disclosure merely because it originated with him.

Appellant in his brief mentions another patent which was not before either of the Patent Office tribunals in this interference. He states that the interpretation given to the count herein by the board would bring it so close to the said patent disclosure that it would lose the right to protection, and that therefore such an interpretation should not be adopted. It is the settled law in this court that the said question proposed by appellant cannot be considered by us. In the case of *Marine* v. *Wright*, 22 C. C. P. A. (Patents) 946, 74 F.(2d) 996, 455 O. G. 267, we said:

> • • • It is well established that we are not at liberty in a proceeding of this character to inquire whether the interpretation given a count by the Patent Office tribunals renders the count unpatentable over the prior art. *Marshall and Levandosky* v. *Ledwinka*, 21 C. C. P. A. (Patents) 728, 67 F.(2d) 495, and cases therein cited.

For the foregoing reasons the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,339,378, B. Strauss, Objects having great strength and great resistance against the action of acids, D. C., N. D. Ill., E. Div., Doc. 14959, *The Chemical Foundation, Inc.*, v. *F. A. Fahrenwald et al.* Complaint and counterclaim dismissed by stipulation July 10, 1939.

1,400,115, K. Wassel, Building slab, filed Aug. 10, 1939, D. C., N. D. Ill., E. Div., Doc. 847, *L. O. Walker* v. *Masonite Corp.*

1,461,586, W. Schmid, Level wind fish reel; 1,579,076, 1,637,437, F. M. Case, Fishing reel; 1,871,386, C. T. Pflueger, same; 1,932,360, W. L. Adams, same, C. C. A., 6th Cir., Doc. 8023, *The Enterprise Mfg. Co.* v. *Shakespeare Mfg. Co. et al.* Doc. 8024, *Shakespeare Co.* v. *The Enterprise Mfg. Co. et al.* Doc. 8025, *Bronson Reel Co.* v. *The Enterprise Mfg. Co. et al.* Claims 8 to 11 inclusive, 22, 23, and 27 of 1,579,076 held valid and infringed; claims 11, 16, and 17 of 1,637,437, and claims 10 and 11 of 1,461,586, and claims 3 and 4 of 1,871,386 held void for lack of invention; claims 6 to 11 inclusive, of 1,932,360, held invalid Sept. 18, 1939.

1,480,300, J. P. Quiggan, Printing appliance, D. C., N. D. Ill., E. Div., Doc. 578, *J. P. Quiggan et al.* v. *The Turner Type Founders Co.* Consent decree holding infringement, injunction Sept. 29, 1939.

1,480,780, C. Pauley, Mask for skin treatment, filed Aug. 14, 1939, D. C., N. D. Ill., E. Div., Doc. 855, *C. Pauley* v. *Montgomery Ward & Co.*

1,571,813, A. L. Sova, Automatic burring attachment, C. C. A., 6th Cir., Doc. 7883, *W–R Co.* v. *A. L. Sova.* Decree reversed with directions to dismiss appellee's petition Sept. 18, 1939.

1,579,076. (See 1,461,586.)

1,601,815, Feinberg & Halverson, Deflector arrangement for building ventilating and cooling systems, D. C., N. D. Ill., E. Div., Doc. 14678, *U. S. Air Conditioning Corp.* v. *B. F. Reynolds & Co. et al.* Dismissed on motion of plaintiff June 30, 1939. Doc. 15330, *U. S. Air Conditioning Corp.* v. *Carrier Engineering Corp.* Bill and supplemental bill dismissed for want of equity May 26, 1939.

1,612,969, Felt & Turck, Calculating machine, D. C., N. D. Calif., S. Div., Doc. E 4158–L, *Friden Calculating Machine Co., Inc.*, v. *Marchant Calculating Machine Co.* Dismissed with prejudice Sept. 18, 1939.

1,614,330, E. L. Wiegand, Electric heating element; 1,614,938, same, Electrical heating element of the strip type; 1,699,898, E. N. Lightfoot, Electric heater, C. C. A., 6th Cir., Doc. 7892, *E. L. Wiegand et al.* v. *The W. Bingham Co. et al.* Doc. 7893, *Cutler-Hammer, Inc.*, v. *E. L. Wiegand et al.* Decree holding 1,614,330 valid but not infringed, 1,614,938 and 1,699,898 invalid, affirmed Sept. 18, 1939.

1,614,938. (See 1,614,330.)

1,628,954, H. H. Dedmon, Card display receptacle for automobiles, D. C., S. D. Calif., C. Div., Doc. E 1375–H, *H. H. Dedmon (Standard Holder Co.)* v. *A. B. McClain (Alhambra Specialties Mfg. Co.)*. Dismissed Sept. 12, 1939.

1,632,456, C. Swan, Method of forming paving compositions, D. C., N. D. Ill., E. Div., Doc. 397, *C. Swan* v. *Trumbull Asphalt Co.* Dismissed by stipulation Sept. 18, 1939.

1,637,437. (See 1,461,586.)

1,668,503, M. E. Hall, Massage and cleansing cream and method of preparing same, D. C., N. D. Ill., E. Div., Doc. 15614, *M. E. Hall (Milky-Way Cosmetics)* v. *Duart Sales Co., Ltd., et al.* Dismissed for want of equity July 14, 1939.

1,699,898. (See 1,614,330.)

1,702,235, L. Steinberger, System of line insulation and insulators therefor, filed Sept. 22, 1939, D. C. Del., Doc. 76, *J. P. Steinberger* v. *Porcelain Products, Inc.*

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1,889,429, Wiegand & Venuto, Carbon black and process of making same, filed Sept. 28, 1939, D. C., S. D. W. Va. (Charleston), Doc. 58, *Binney & Smith Co.* v. *United Carbon Co.*

1,906,337, R. E. Rutledge, Cellular carton, filed July 31, 1939, D. C., N. D. Ill., E. Div., Doc. 809, *Sutherland Paper Co.* v. *Auburn Carton Corp. et al.*

1,910,738, H. T. Avery, Locking and cleaning mechanism for calculating machines, D. C., N. D. Calif., S. Div., Doc. 4139–L, *Friden Calculating Machine Co., Inc.*, v. *Marchant Calculating Machine Co.* Patent held valid and infringed. injunction Sept. 18, 1939.

1,919,674, L. Wenczel, Pneumatic puffing machine, filed Sept. 19, 1939, D. C., S. D. N. Y., Doc. 5/355, *W. Willman et al. (Sterling Airbrush Co.)* v. *N. Y. Paper Co., Inc.*

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1,961,022, Teller & Schulz, Refrigerator construction, filed Aug. 8, 1939, D. C., N. D. Ill., E. Div., Doc. 839, *Westinghouse Electric & Mfg. Co.* v. *J. Teller et al.*

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2,001,801, H. L. Smith, Jr., Air distribution, filed Sept. 19, 1939, D. C. Del., Doc. 70, *Thermal Research Corp.* v. *Hart & Cooley Mfg. Co.*

2,034,173, R. A. Brooks, Syphon breaker for water closets, filed Aug. 11, 1939, D. C., N. D. Ill., E. Div., Doc. 848, *R. A. Brooks et al.* v. *Sloan Valve Co.*

2,040,369, W. H. Fischer, Electrical appliance; Des. 96,481, A. S. Knapp, Combined sandwich toaster and tray, C. C. A., 6th Cir., Doc. 7872, *Forestek Plating & Mfg. Co.* v. *Knapp-Monarch Co.* Decree reversed Sept. 18, 1939.

2,053,511, Bennett & Story, Gasoline and method of making same, D. C., N. D. Ill., E. Div., Doc. 15671, *Gasoline Antioxidant Co.* v. *Universal Oil Products Co. et al.* Dismissed with prejudice Sept. 19, 1939.

2,064,425, J. Gottfried, Coin assorting and selecting mechanism, filed Aug. 17, 1939, D. C., N. D. Ill., E. Div., Doc. 865, *B & G Coin Selectors, Inc.*, v. *A. B. T. Mfg. Co.*

2,111,483, C. E. Trube, Electric coupling system, filed Aug. 31, 1939, D. C., N. D. Ill., E. Div., Doc. 890, *Hazeltine Corp.* v. *Commonwealth Utilities Co.*

2,124,447, H. W. Ewing, Garbage burner, filed Sept. 28, 1939, D. C., E. D. Wis. (Milwaukee), Doc. 173, *H. W. Ewing (Ewing Incinerator Co.)* v. *Kerner Incinerator Co.*

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2,150,062, C. F. Johnston, Piston expander, filed Sept. 21, 1939, D. C., E. D. Mo. (St. Louis), Doc. 312, *C. F. Johnston* v. *D. J. Wherry.*

2,151,187, D. E. Christopher, Electric photometer, filed Aug. 9, 1939, D. C., N. D. Ill., E. Div., Doc. 843, *D. E. Christopher* v. *A. D. Hornstein.* Doc. 658, *D. E. Christopher* v. *A. D. Hornstein.* Dismissed Sept. 20, 1939.

2,160,756, E. J. Schreck, Slipper, filed Sept. 22, 1939, D. C., E. D. Wis. (Milwaukee), Doc. 170, *Badger Glove & Slipper Co.* v. *Mondl Mfg. Co.*

Re. 20,257, G. F. French, Ladder web of Venetian blinds, filed Sept. 28, 1939, D. C. Conn. (New Haven), Doc. 169, *Thos. French & Sons, Ltd.*, v. *The Russell Mfg. Co.*

Re. 21,143, R. F. Davis, Towel rack, filed Sept. 28, 1939, D. C. Conn. (New Haven), Doc. 168, *The Edward Katzinger Co.* v. *The Autoyre Co., Inc.*

Des. 96,481. (See 2,040,369.)

Des. 101,826, J. Sinko, Knob for a gear shift lever, D. C., N. D. Ill., E. Div., Doc. 15618, *J. Sinko* v. *Snow-Craggs Corp.* Dismissed Aug. 8, 1939.

Des. 107,702, S. Rosenberg, Knitted hood and scarf assembly, D. C., N. D. Ill., E. Div., Doc. 16118, *Reliable Knitting Works* v. *Mode Knitting Mills, Inc.* Dismissed for want of equity July 14, 1939. (Patent held invalid for lack of invention.)

Des. 112,654, J. Goldberg, Dress ensemble, filed Sept. 19, 1939, D. C., S. D. N. Y., Doc. 5/357, *P. Eisenstadt et al.* v. *Lamar Frocks, Inc.* Doc. 5/356, *P. Eisenstadt et al.* v. *Classy Dress Co.*

Des. 113,929, M. Langbaum, Mirror lamp, filed Sept. 19, 1939, D. C., S. D. N. Y., Doc. 5/358, *M. Langbaum et al. (Nova Mfg. Co.)* v. *World Trading Corp.*

Des. 116,124, S. Novak, Dress ensemble, filed Sept. 26, 1939, D. C., S. D. N. Y., Doc. 5/400, *J. White et al. (Flora Dress Co.)* v. *Varsity Dress Co., Inc.*

Des. 116,125, A. Ruchman, Dress, filed Sept. 20, 1939, D. C., S. D. N. Y., Doc. 5/368, *Apex Dress Co., Inc.*, v. *P. Eisenstadt et al.* Same, filed Sept. 18, 1939, D. C., S. D. N. Y., Doc. 5/353, *Apex Dress Co., Inc.*, v. *Strand Dress Corp.*

Des. 116,670, H. Roher, Dress, filed Sept. 26, 1939, D. C., S. D. N. Y., Doc. 5/420, *Diana Dean, Inc.*, v. *Josette Frocks, Inc.*

Des. 116,772, M. Extract, Dress, filed Sept. 27, 1939, D. C., S. D. N. Y., Doc. 5/426, *M. & S. Extract, Inc.*, v. *Pearl Dress Co., Inc.*

T. M. 173,760, J. C. Michael Co., Dresses and aprons, D. C., N. D. Ill., E. Div., Doc. 16168, *J. C. Michael Co.* v. *H. Deitchman et al. (Nifty Garment Co.)*. Defendant enjoined June 14, 1939.

T. M. 268,497, H. E. Jacob, Fresh grapes and fresh vegetables; T. M. 361,789, L. L. Jacob, Inc., Fresh grapes, vegetables and citrus fruits, notice filed Sept. 18, 1939, D. C., S. D. Fla. (Jacksonville), Doc. 106, *L. L. Jacob, Inc.*, v. *W. H. Clark Fruit Co.* Defendant enjoined Sept. 26, 1939.

T. M. 361,789. (See T. M. 268,497.)

Changes in Classification

Order No. 3,495, November 29, 1939, directs:

In *class 23, Chemistry* (Division 59), abolish the following subclass with its definition:

Apparatus
Leaching
272.1 Dissolving.

The patents formerly contained in this subclass have been placed for the most part in class 23, subclass 272.

In *class 23, Chemistry* (Division 59), change the title of subclass 267 to read:

Apparatus
267 Extracting or leaching.

In *class 23, Chemistry* (Division 59), establish the following subclasses and definitions:

Apparatus
Extracting and leaching
Countercurrent
270.5 Extraction of liquids with liquids,
Percolators
272.5 Plural,
272.6 With fluid circulating means,
290.5 Cookers or digesters.

270.5. Apparatus under subclass 270 for treating liquids with liquids.
(1) Note.—See class 196, MINERAL OILS, appropriate subclasses, especially subclass 46, for apparatus limited to the extraction of mineral oils.
(2) Note.—See class 210, LIQUID SEPARATION OR PURIFICATION, subclass 47 and indented subclasses, for apparatus for washing liquids to purify or separate the same.

272.5. Apparatus under subclass 272 which includes two or more extraction chambers.
Note.—See this class, subclass 270, for apparatus wherein the extraction chambers or the material contained therein move countercurrent to the extraction medium.

272.6. Apparatus under subclass 272 including positive means to feed treating fluids to or through the treating zone such as, for example, stirring means, pumps, and means for applying pressure or producing a vacuum.
Note.—See this class, subclass 271.

290.5. Cookers or digesters not elsewhere more specifically provided for. Many of the patents herein found are for cotton seed cookers.
(1) Note.—See this class, subclass 280, for rendering tanks not provided for elsewhere; see subclass 290 for autoclaves.
(2) **Search Classes—**
53—DOMESTIC COOKING VESSELS, for domestic cooking vessels.
92—PAPER MAKING AND FIBER LIBERATION, subclass 7 and indented subclasses.
126—STOVES AND FURNACES, appropriate subclasses, for cook stoves or furnaces.
127—SUGAR, STARCH AND CARBOHYDRATES, subclass 28.
196—MINERAL OILS, subclass 51 and indented subclasses.
202—DISTILLATION, subclass 107.

The patents contained in subclass 270.5 have been taken for the most part from class 23, subclass 270; those in subclasses 272.5 and 272.6 from class 23, subclass 272, and class 87, Oils, Fats, and Glue, subclasses 6 and 13, abolished in this order; and those in subclass 290.5 from class 87, subclasses 6 and 13, abolished in this order.

In *class 38, Textiles, Ironing or Smoothing* (Division 27), change the titles and definitions of subclasses 65 and 66 to read:

Smoothing machines
Elements
65 Presser rolls and covers.
66 Platens or beds and covers.

65. Elements under subclass 63 involving (1) the structure of the presser roll, (2) covers therefor, or (3) combinations therebetween.
(1) Note.—See this class, subclass 66, for platen or bed covers, and subclass 140, for ironing table covers.
(2) Note.—See this class, subclass 68, for aprons.

66. Elements under subclass 63 involving (1) the structure of platen or bed, (2) covers therefor, or (3) combinations therebetween.
(1) Note.—See this class, subclass 65, for presser roll covers, and subclass 140, for ironing table covers.
(2) Note.—See this class, subclass 68, for aprons.

In *class 87, Oils, Fats, and Glue* (Division 64), abolish the following subclasses:

28 Extracting
6 Extracting oils.
13 **Rendering.**

The patents formerly contained in these subclasses have been placed into various subclasses in classes 8, 23, 100, 202, 210, 257, 259, and 260.

In *class 99, Foods and Beverages* (Division 63), establish the following subclass and definition:

Processes and products
Beverages
Fermented or alcoholic
Alcoholic type
Preparing materials
50.5 With hop extraction.

50.5. Processes under subclass 50 which are directed to or include the extraction of hops, and the resulting products. This subclass also includes treatments of hop extracts and the products thereof when not more specifically provided for elsewhere.

The patents contained in this subclass have been taken for the most part from class 87, Oils, Fats, and Glue, subclass 28, abolished in this order, and from class 99, subclass 52.

In *class 132, Toilet* (Division 53), change the title of subclass 78.5 to read:

78.5 Powder puffs and cosmetic applicators;

in the definition after "powder" insert *or other cosmetics*; number the existing note (*1*) and add:

(2) Note.—See class 15, BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 208 and indented subclasses, for fabric applicators of general utility.

In *class 202, Distillation* (Division 64), abolish the following subclasses with their definitions:

Processes
Separatory
54 With extraction
55 Extract separation.

The patents formerly contained in these subclasses have been placed for the most part in class 260, Chemistry, Carbon Compounds, especially subclass 107.

In *class 210, Liquid Separation or Purification* (Division 49), abolish the following subclasses with their definitions:

Decanters
59 Heated or cooled.
Filters
Loose material
Open container
125 Systems,
Closed container
132 Systems
133 Alternate cleaning.
136 With storage chamber.

The patents formerly contained in subclass 59 have been placed for the most part in class 210, subclasses 49.5 and 52.5, established in this order, and those in subclasses 125, 132, 133, and 136 have been placed for the most part, respectively, in class 210, subclasses 122.1. 122.3, 122.4. and 122.2, established in this order.

In *class 210, Liquid Separation or Purification* (Division 49), establish the following subclasses and definitions:

Decanter and filter
- 49.5 With heater or cooler
- 49.6 With additional fluid introduction,
- 49.7 With additional fluid.

Decanters
- 52.5 With heater or cooler,
- 52.6 With additional fluid introduction.

Filters
- Porous block
  - 113.5 With heater or cooler,
- Loose material
  - 122.1 Systems
    - 122.2 With storage chamber,
    - 122.3 Closed container
      - 122.4 Alternate cleaning,
    - 122.5 With heater or cooler.
- Strainers
  - 150.8 With additional fluid introduction.

49.5. Decanters and filters under subclass 43 having means for either, or both, heating or cooling the material being decanted and filtered or to interchange heat between incoming and outgoing fluids. Many of the patents herein are for decanters and filters including means for melting out materials, e. g., rendering of fats.

(1) Note.—Patents for passing fluids (in addition to the fluids being decanted and filtered) into the decanter and filter structure are not here but in subclasses 49.6 and 49.7 or other appropriate subclasses under subclass 43, even though the temperature of such fluids be specified and/or even though means for heating or cooling such fluids are provided, unless there are additional means for heating or cooling. Burner means projecting combustion products against the decanter and filter and heat radiating fins are considered as heaters or coolers and are placed in this subclass.

(2) Note.—For other heaters and coolers, see this class, subclasses 14, 15, 52.5, 113.5, 122.5, and 150.5 and indented subclasses.

(3) Note.—**Search class** 23, CHEMISTRY, subclass 280, for apparatus for "melting out" (rendering) solids not including decantation and filtering.

(4) Note.—Processes for "melting out" (rendering) solids not including decantation or filtering or only nominally claiming decantation and filtering are excluded, for which see class 23, CHEMISTRY, appropriate subclasses, especially subclass 229, and class 260, CHEMISTRY, CARBON COMPOUNDS, appropriate subclasses, especially subclasses 412.6 and 412.7 and the notes thereto.

(5) Note.—**Search this class**, subclass 47 and indented subclasses, for washing combined with either heating or cooling, or both.

49.6. Decanters and filters under subclass 49.5 having means to introduce an additional fluid to the material undergoing decantation and filtration. Many of these patents are for apparatus for "melting out" (rendering) substances initially solid.

(1) Note.—By "additional fluid" is meant a fluid which is not added primarily to clean or wash the apparatus or the material being treated, to agitate or cause flotation, to dissolve out a portion of the material, to dry the apparatus or the solids, or cause movement of the material being strained.

(2) Note.—See this class, subclasses 49.7, 52.6, 150.6, 150.8, for other patents involving similar subject matter.

(3) Note.—See class 23, CHEMISTRY, subclass 267 and indented subclasses, for extraction processes and apparatus in general.

(4) Note.—See class 23, CHEMISTRY, subclasses 267 and 269–272.6, for similar apparatus when employed to extract valuables or other components of solid material by means of a solvent.

49.7. Decanters and filters under subclass 43 having means to introduce an additional fluid to the material undergoing decantation and filtration.

(1) Note.—For definition of "additional fluid", see note (1) of subclass 49.6 of this class.

(2) Note.—See the notes to subclasses 49.5 and 49.6 of this class for fields of search.

52.5. Decanters under subclass 51 having means for either, or both, heating or cooling or to interchange heat between incoming and outgoing fluids.

(1) Note.—See notes (1), (3), (4), and (5) of subclass 49.5 of this class. The limitations and searches set forth in these notes as to decanters and filters apply here also.

(2) Note.—For other heaters and coolers, see this class, subclasses 14, 15, 49.5, 113.5, 122.5, and 150.5 and indented subclasses.

52.6. Decanters under subclass 51 having means to introduce an additional fluid to the material undergoing decantation. Many of the patents in this subclass are for apparatus for melting out (rendering) substances initially solid.

(1) Note.—For definition of "additional fluid", see note (1) of subclass 49.6 of this class.

(2) Note.—See the notes to subclasses 49.5 and 49.6 of this class for fields of search.

(3) Note.—See this class, subclasses 49.6, 49.7, 150.6, and 150.8, for other patents involving similar subject matter.

113.5. Filters under subclass 112 having means for either, or both, heating or cooling the material filtered or to interchange heat between incoming and outgoing fluids.

(1) Note.—For definition of "heater or cooler", see note (1) of subclass 150.5 of this class.

(2) Note.—For other heaters and coolers, see this class, subclasses 14, 15, 49.5, 52.5, 122.5, and 150.5 and indented subclasses.

122.1. Filters under subclass 122 including several interconnected filters one or more of which are the open tank type.

122.2. Filters under subclass 122.1 including a tank or chamber for storing filtered water.

Note.—The storage tank may be heated or cooled. Compare subclass 122.5 of this class.

122.3. Filters under subclass 122.1 including a plurality of closed filter tanks or chambers containing filtering materials arranged in series or parallel.

122.4. Filters under subclass 122.3 including a plurality of closed tanks or chambers so arranged and interconnected that filtration takes place through at least one while another is being cleaned.

Search this class, subclasses 128 and 141 and their indented subclasses.

122.5. Filters under subclass 122 having means for either, or both, heating or cooling the material filtered or to interchange heat between incoming and outgoing fluids.

(1) Note.—For definition of "heater or cooler", see note (1) of subclass 150.5 of this class.

(2) Note.—For other heaters and coolers, see this class, subclasses 14, 15, 49.5, 52.5, 113.5, and 150.5 and indented subclasses, of this class.

(3) Note.—See this class, subclass 122.2, for systems including a heated or cooled storage chamber.

150.8. Strainers under subclass 149 having means to introduce an additional fluid to the material being strained. Many of these patents are for apparatus for melting out (rendering) substances initially solid.

(1) Note.—For definition of "additional fluid", see note (1) of subclass 49.6 of this class.

(2) Note.—See notes to subclasses 49.5 and 49.6 of this class for fields of search.

(3) Note.—See this class, subclasses 49.6, 49.7, 52.6, and 150.6, for other patents involving similar subject matter.

The patents contained in these subclasses have been taken for the most part from class 210, subclasses 43, 51, 112, 122, and 149 and their indented subclasses, and from class 87, Oils, Fats, and Glue, subclass 13, abolished in this order.

In *class 260, Chemistry, Carbon Compounds* (Division 63), change the title and definition of subclass 412 to read:

Carbocyclic or acyclic
Fats, fatty oils, ester-type waxes or higher fatty acids
- 412 Recovery or extraction from residues or organic materials.

412. Processes, and the products thereof, under subclass 398 which are directed to or include the recovery, removal, or extraction of fats, oils, waxes or higher fatty acids, or soaps thereof, from vegetable or animal substances or waste materials containing the same.

(1) Note.—For processes limited to the purification of fatty acids or their salts, see this class, subclass 419. For processes of purifying extracted fats, oils, or waxes, see subclass 420 and indented subclasses.

(2) Note.—For processes of treating garbage to particularly fit it for a fertilizer or food, see classes 71, CHEMISTRY, FERTILIZERS, subclass 14, and 99, FOODS AND BEVERAGES, subclass 149, respectively.

(3) Note.—The broad inclusion of separation by pressing, distilling, filtering, or centrifuging is not enough to take the patent from this subclass. Processes which are directed to a significant pressing, distilling, filtering, or centrifuging treatment are classified in classes 100, PRESSES, 202, DISTILLATION, 210, LIQUID SEPARATION OR PURIFICATION, and 233, CENTRIFUGAL BOWL SEPARATORS, respectively.

In *class 260, Chemistry, Carbon Compounds* (Division 50), establish the following subclass and definition:

Natural resins and reaction products
- 97.5 Talloil and reaction products thereof.

97.5. This subclass includes talloil or sulfate black liquor, a by-product obtained in the preparation of wood pulp by the sulfate process consisting mainly of resin acids and fatty acids, and reaction products thereof, and processes of treatment or modification of the same wherein the resin acids or the derivatives of the resin acids are not removed.

(1) Note.—See class 92, PAPER MAKING AND FIBER LIBERATION, for processes which are directed to or include paper pulp preparation or fiber liberation.

(2) Note.—Compositions containing talloil or its reaction products as an ingredient thereof are classified in the appropriate composition class providing therefor.

(3) Note.—See this class, subclass 124, for treatment of sulfite liquor or "black liquor" from the caustic soda process.

(4) Note.—See this class, subclass 666, for turpentine recovered from sulfate liquor and its purification.

The patents contained in this subclass have been taken for the most part from class 260, subclass 97 and indented subclasses.

In *class 260, Chemistry, Carbon Compounds* (Division 59), establish the following subclasses and definitions:

- 236.5 **Extracts or essences of undetermined constitution**
- 236.6 Essential oils and reaction products thereof.

236.5. Extracts or essences consisting essentially of carbon compounds usually derived from naturally occurring substances or residues thereof, whose composition and constitution are not sufficiently determined to enable their classification in the product subclasses of this class (260) or which are not more specifically provided for elsewhere. This subclass also includes processes of preparing and treating said extracts not more specifically provided for elsewhere.

(1) Note.—See class 8, BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclass 80, for organic coloring extracts.

(2) Note.—See class 23, CHEMISTRY, subclass 268, for extraction or leaching processes of general application.

(3) Note.—See class 99, FOODS AND BEVERAGES, appropriate subclasses, for extracts which are foods and beverages or intended for use therewith. Hop extracts are found in subclass 50.5 and licorice extracts in subclass 140.

(4) Note.—See class 127, SUGAR, STARCH, AND CARBOHYDRATES, for the extraction of sugar and starch from natural occurring sources.

(5) Note.—See class 167, MEDICINES, POISONS, AND COSMETICS, subclasses 74 and indented subclasses and 81, for medicinal glandular, vitamin, and animal extracts. Class 167 also includes vegetable extracts when they are employed as ingredients of medicinal or insecticidal compositions.

(6) Note.—See class 195, CHEMISTRY, FERMENTATION, for extraction processes involving fermentative action.

(7) Note.—See class 202, DISTILLATION, appropriate subclasses, for combinations of a significant distillation step and solvent extraction wherein the extraction step is broadly included or no significant aspects or characteristics of the extraction are set forth in the claims.

(8) Note.—Extraction processes for liberating products, provided for in this class, from natural association, are classified therewith when a significant liberation or extraction treatment is claimed. See especially subclasses 107, 112 and indented subclasses, 124, 210, 236, 284, 285, 291, 292, 412 and indented subclasses, 473.5, 473.6, and 816.

(9) Note.—See this class, subclass 705, for extraction processes of general application in the field of carbon compounds.

236.6. Extracts under subclass 236.5 which are essential oils, including reaction products thereof, which are not more specifically provided for below. Essential oil reaction products which are esters, alcohols, ethers, aldehydes, ketones, and acids are under those respective headings in this class (260). See, for example, subclasses 489, 587 and indented subclasses, 630, and 631.

(1) Note.—This subclass includes the removal of odoriferous oils from plants, flowers, etc., by enfleurage.

(2) Note.—See this class, subclass 630, for pine oils per se and their purification treatments; see subclass 666, for turpentines per se and their purification treatments.

(3) Note.—See class 202, DISTILLATION, especially subclass 46 and indented subclasses, for the removal of essential oils from natural sources by distillation.

The patents contained in these subclasses have been taken for the most part from class 87, Oils, Fats, and Glue, subclass 28, abolished in this order, and from class 167, Medicines, Poisons, and Cosmetics, subclass 24.

In *class 260, Chemistry, Carbon Compounds* (Division 63), establish the following subclasses and definitions:

Carbocyclic or acyclic
Fats, fatty oils, ester-type waxes or higher fatty acids
Recovery or extraction from residues or organic materials
- 412.1 From fish livers,
- 412.2 From legumes, nuts, or seeds
  - 412.3 With acidic or basic material,
  - 412.4 Solvent extraction,
- 412.5 Foots, textile treating liquors, absorbents, sludges or industrial wastes,
- 412.6 Rendering
  - 412.7 With acidic or basic material,
  - 412.8 Solvent extraction.

412.1. Processes under subclass 412, and the products thereof, wherein fish livers are employed as the source material.

Note.—See class 167, MEDICINES, POISONS, AND COSMETICS, subclass 81, for medicinal vitamin extracts produced from fish liver oils and their treatment or preparation. Where the preparation involves a significant distillation procedure such as, for example, vacuum distillation, it is in class 202, DISTILLATION, subclass 52.

412.2. Processes under subclass 412, and the products thereof, wherein legumes, nuts, or seeds such as, for example, soya beans, peanuts, flax seed, and cotton seed, or portions thereof, e. g., shells, kernels, germs, and oil cake, are employed as source materials.

(1) Note.—For combined processes wherein extraction is broadly claimed followed by a significant expressing operation, see class 100, PRESSES, appropriate subclasses.

(2) Note.—For combined processes wherein extraction is broadly claimed followed by a significant filtration and/or decantation treatment, see class 210, LIQUID SEPARATION OR PURIFICATION, appropriate subclasses.

412.3. Processes under subclass 412.2, and the products thereof, wherein an added acidic or basic material is employed, e. g., SO_2, sulfuric acid, or alkali metal carbonates.

412.4. Processes under subclass 412.2, and the products thereof, wherein a fluid is employed to dissolve out oils, fats, or waxes.

412.5. Processes under subclass 412, and the products thereof, wherein foots, textile treating liquors, e. g., wool scouring liquors and laundering liquors, spent absorbents, used fatty oils from industrial operations, and sludges, lyes or other so-called industrial wastes are employed as source materials.

(1) Note.—For extraction of oils from seed cake, see this class, subclass 412.2 and indented subclasses; for extraction of oils and fats from garbage or slaughter-house wastes, see subclasses 412.6 to 412.8.

(2) Note.—See class 8, BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclass 141, for waste reclaiming.

(3) Note.—See class 252, SUBSTANCE PREPARATION, for processes directed to the recovery of spent absorbents.

412.6. Processes under subclass 412, and the products thereof, which are directed to or include the melting out of fats, oils, or waxes from animal or vegetable matter by heat.

Note.—See class 210, LIQUID SEPARATION OR PURIFICATION, especially subclasses 49.5 to 49.7, 52.5, 52.6, and 150.5 to 150.8, for processes of rendering broadly accompanied by significant filtration and/or decantation.

412.7. Processes under subclass 412.6, and their products, wherein an added acidic or basic substance is employed.

412.8. Processes under subclass 412, and products thereof, wherein animal or vegetable material is subjected to the action of a fluid to dissolve out oils, fats, or waxes contained therein.

Note.—To complete the search, see this class, subclass 412.4.

The patents contained in these subclasses have been taken for the most part from classes 87, Oils, Fats, and Glue, subclasses 6 and 13, and 202, Distillation, subclasses 54 and 55, abolished in this order, and from class 260, subclass 412.

In *class 260, Chemistry, Carbon Compounds* (Division 6), establish the following subclasses and definitions:

Carbocyclic or acyclic
Esters and processes of making same
Carboxylic acid
Aromatic
Oxy
473.5 Tannins and reaction products thereof
473.6 With extraction from bark or vegetable material.

473.5. Products, and their processes, under subclass 473, which are known as tannins or tannic acids. Chemically they appear to be esters of gallic acid in which the carboxyl group thereof is esterified by the hydroxyl group of a second molecule of gallic acid, or glucosides thereof.

Note.—This subclass includes, for example, tannin extracts together with their preparation, treatment, and purification. Many of these extracts are useful as tanning or mordanting agents. Where the tannin extract is admixed with other ingredients to form a composition having an art use provided for elsewhere, the patent is placed in the other class and cross-referenced to this subclass when desirable. For example, tanning compositions are in class 149, HIDES, SKINS, AND LEATHER, and mordanting compositions are in class 8, BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS.

473.6. Processes under subclass 473.5 which are directed to or include the treatment of bark, shell, galls, or other vegetable material to remove tannins therefrom.

The patents contained in these subclasses have been taken for the most part from class 87, Oils, Fats, and Glue, subclass 28, abolished in this order, and from classes 149, Hides, Skins, and Leather, subclass 4, and 260, subclass 473.

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), subclass 3, cancel note (4); in subclass 6, note (1), cancel "of mineral oils in class 87"; in subclass 18, note (4), cancel "87, Oils, Fats, and Glue"; in subclass 80 cancel the fourth sentence; and in subclass 139, note (2), cancel "class 87, Oils, Fats, and Glue, subclass 6, and", and in the reference to class 260, Chemistry, Carbon Compounds, cancel "and 420".

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), subclass 39, add the following note:

Note.—See class 132, TOILET, subclass 27 and indented subclasses, for other comb cleaners;

and in subclass 208, in note (2) add:

132—TOILET, subclass 78, for fabric powder puffs and cosmetic applicators.

In *class 23, Chemistry* (Division 59), subclass 259.1, cancel note (3); in subclass 267, in the note cancel "87, Oils, Fats, and Glue, subclass 28 and indented subclass; 99, Foods and Beverages, subclasses 14–21"; in the reference to class 210, Liquid Separation or Purification, add *and 149 and indented subclasses*; before the reference to class 259, Agitating, insert *257, Heat Exchange*; number the note (*1*) and add:

(2) Note.—Class 202, DISTILLATION, has distillation apparatus for liquids or solids. Class 34, DRIERS, has drying apparatus which removes an extraneous liquid (e. g., a solvent) which is mixed with or which impregnates a solid even though there is subsequent condensation and recovery of vapors. Class 202 takes leaching or extracting apparatus combined with either of the above, for which see especially subclasses 168–170;

in subclass 268 add the following note:

(3) Note.—Extraction processes which are limited to the production of foods and beverages are in class 99, FOODS AND BEVERAGES; processes which are directed to the preparation of medicinal animal extracts are in class 167, MEDICINES, POISONS, AND COSMETICS; processes of extracting mineral oils are in class 196, MINERAL OILS, subclasses 13 and 14; processes which are drawn to the preparation of other organic extracts are in class 260, CHEMISTRY, CARBON COMPOUNDS, appropriate subclass, see especially subclasses 236.5 and 705 and the notes to the definitions thereof;

in subclass 270 in the definition before "leaching" insert *extracting or*; in subclass 272, note (2), cancel the reference to class 87, Oils, Fats, and Glue, and add the following:

250—RADIANT ENERGY, subclass 44, for methods and apparatus for dissolving radio-active substances in a fluent material;

in subclass 280 cancel the existing definition and notes and substitute the following:

280. Apparatus under subclass 252 for melting out relatively fusible initially solid materials from admixture with other solid materials, such as, for example, the removal of sulfur from a mixture by fusion and the rendering of fats from animal or vegetable materials.

(1) Note.—See this class, subclass 259.4, for similar tanks which are limited to the preparation of fertilizers.

(2) **Search Classes—**

100—PRESSES, appropriate subclasses indented under "Expressing", for press type melting out or rendering apparatus.

210—LIQUID SEPARATION OR PURIFICATION, appropriate subclasses, particularly subclasses 49.5 to 49.7, 52.5, 52.6 and 150.5 to 150.8, for melting out apparatus which includes strainer and/or decanting means.

257—HEAT EXCHANGE, appropriate subclasses, for apparatus which though stated to be a melting out or rendering device is no more than a container with heat exchange means whether or not agitating means is also included therein.

259—AGITATING, appropriate subclasses, for apparatus which is no more than an agitating device;

and in subclass 290 cancel the reference to class 87, Oils, Fats, and Glue.

In *class 38, Textiles, Ironing or Smoothing* (Division 27), subclass 140, number the existing note (*2*) and add:

(1) Note.—See this class, subclass 65, for presser roll covers; subclass 66, for bed or platen covers; and subclass 68, for aprons.

In *class 44, Fuel and Igniting Devices* (Division 64), subclass 8, in the note cancel "87, Oils, Fats, and Glue, subclass 6"; and in subclass 9 cancel the reference to class 87.

In *class 92, Paper Making and Fiber Liberation* (Division 56), subclasses 7 and 18, cancel in each the reference to class 87, Oils, Fats, and Glue.

In *class 93, Paper Manufactures* (Division 17), subclass 2, number note (2) as (*3*) and add:

(2) Note.—For machines and processes for applying tobacco wrappers to cigars, see class 131, TOBACCO, subclass 20 and appropriate indented subclasses, particularly subclass 58 and indented subclasses;

in subclasses 20, 48, 52, and 84 cancel in each the reference to class 131, Tobacco; in subclass 77 add the following note:

Note.—For tube making combined with cigarette making, see class 131, TOBACCO, subclass 73;

in subclass 82 in the reference to class 131, Tobacco, change "43" to *73*; in subclass 93 add the following note:

Note.—For cigar and cigarette bundling, see class 131, TOBACCO, subclasses 25 and 107;

and in subclass 94 number the existing note (*2*) and add:

(1) Note.—For tube making combined with cigarette making, see class 131, TOBACCO, subclass 73.

In *class 99, Foods and Beverages* (Division 63), in the main class definition in note (9) change "87, Oils, Fats, and Glue" to read *260, Chemistry, Carbon Compounds, subclass 412 and indented subclasses*; in subclass 22, note (1), change "87, Oils, Fats, and Glue, subclass 28" to read *260, Chemistry, Carbon Compounds, subclass 412 and indented subclasses*; in subclass 69, in the note cancel "class 87, Oils, Fats, and Glue, subclass 28" and substitute:

classes 23, CHEMISTRY, subclass 268, and 260, CHEMISTRY, CARBON COMPOUNDS, subclass 705;

in subclass 130, note (1), cancel "87, Oils, Fats, and Glue, and"; in subclass 133 cancel note (2); and in subclass 254 change "271.1" to read *272 and indented subclasses.*

In *class 110, Furnaces* (Division 19), in the main class definition in the next to the last sentence of the first paragraph change "87, Oils, Fats, and Glue" to read *23, Chemistry, subclasses 259.1, 262, and 280*; in subclasses 8 and 11 in the reference in each to class 23, Chemistry, change the period to a comma and add *and subclasses 262 and 280*, and cancel in each the reference to class 87, Oils, Fats, and Glue.

In *class 126, Stoves and Furnaces* (Division 19), subclass 37, in the reference to class 312, Supports, Cabinet Structures, change the period to a comma and add:

for cabinets having both storage space and a stove where no structural characteristics of the stove or the control thereof are claimed;

and in subclass 370, cancel the reference to class 87, Oils, Fats, and Glue.

In *class 127, Sugar, Starch, and Carbohydrates* (Division 43), subclass 3, cancel the reference to class 87, Oils, Fats, and Glue.

In *class 132, Toilet* (Division 53), subclass 27, number the existing note (*2*) and add:

(1) Note.—See class 15, BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 39, for comb cleaners of the brushing type.

In *class 134, Liquid Coating Compositions* (Division 64), subclass 23.2, cancel note (2).

In *class 148, Metal Treatment* (Division 3), main class definition, in the note cancel the existing reference to class 29, and substitute:

29—METAL WORKING, for mechanical working or shaping of metal not provided for in other metal working classes, and for the manufacture of articles by a combination of two or more operations where such combination of operations is not provided for in any other metal working class;.

In *class 158, Liquid and Gaseous Fuel Burners* (Division 19), subclass 25, add the following note:

Search Classes—

113—SHEET METAL WARE MAKING, appropriate subclasses, particularly subclasses 93, 94, and 109.

219—ELECTRIC HEATING, subclass 27.

In *class 159, Concentrating Evaporators* (Division 46), subclass 32, note (2), in the reference to class 210, LIQUID SEPARATION OR PURIFICATION, cancel "subclass 59" and substitute *subclasses 49.5 and 52.5.*

In *class 167, Medicines, Poisons, and Cosmetics* (Divisions 43 and 63), in the main class definition in next to the last paragraph cancel "87, Oils, Fats, and Glue"; in subclass 24 cancel the existing note and add:

Note.—For rotenone containing extracts per se, see class 260, CHEMISTRY, CARBON COMPOUNDS, subclass 333; for pyrethrum extracts per se, see class 260, subclass 468. Where there is a product claim, claiming the menstruum specifically and insecticidal properties, the patent is classified in this class (167);

in subclass 34 cancel the second sentence of the definition, and add the following note:

Note.—See class 260, CHEMISTRY, CARBON COMPOUNDS, subclass 291, for tobacco extracts per se and their preparation as well as purification treatments that do not remove or destroy the alkaloids normally present therein;

in subclass 49, note (2), change "87, Oils, Fats, and Glue" to read *134, Liquid Coating Compositions, subclass 23.1 and indented subclasses*; in subclass 50, note (2), cancel "class 87, Oils, Fats, and Glue, and class" and substitute *classes 23, Chemistry; 260, Chemistry, Carbon Compounds, and*; in subclass 66 in the note change "87, Oils, Fats, and Glue" to read *260, Chemistry, Carbon Compounds, subclass 398 and indented subclasses*; in subclass 67, change "87, Oils, Fats, and Glue, subclass 28" to read:

260—CHEMISTRY, CARBON COMPOUNDS, appropriate subclasses, especially subclasses 236, 256, 284, 285, 291, and 292;

in subclass 74, cancel note (2); in subclass 81, in note (1), change "87, Oils, Fats, and Glue" to read *260, Chemistry, Carbon Compounds, subclass 412 and indented subclasses*; and in subclass 94, in note (2), change "87, Oils, Fats, and Glue" to read *260, Chemistry, Carbon Compounds, appropriate subclasses, especially subclass 236.6.*

In *class 195, Chemistry, Fermentation* (Division 63), subclass 135, cancel the reference to class 87, Oils, Fats, and Glue.

In *class 196, Mineral Oils* (Division 31), subclass 13, change "87, Oils, Fats, and Glue, subclass 6" to read *260, Chemistry, Carbon Compounds, subclass 412 and indented subclasses*; in subclass 98 cancel the reference to class 87, Oils, Fats, and Glue and class 260, Chemistry, Carbon Compounds; and in subclass 104 cancel the reference to class 87, Oils, Fats, and Glue.

In *class 202, Distillation* (Division 64), in the main class definition, note (6), change "87, Oils, Fats, and Glue" to read *23, Chemistry, 260, Chemistry, Carbon Compounds*, and cancel "but the combination of extraction and distillation is here"; in subclass 39, add the following notes:

(1) Note.—For processes of separating materials or compounds by distillation which include a significant solvent treatment of the material or compound to be separated, which is more specifically provided for elsewhere, see the appropriate classes providing for such solvent treatment.

(2) Note.—See the notes to the definition of subclass 236.5 of class 260, CHEMISTRY, CARBON COMPOUNDS, for references to classes providing for solvent extraction;

in subclass 46, note (1), change "subclasses" to *subclass*, cancel "54, 55 and", number existing note (2) as (*3*) and add:

(2) Note.—See class 34, DRIERS, subclass 24, for processes directed to the removal by vaporization of residual solvent from residues of extraction processes, whether or not the solvent is recovered, such as, for example, the steaming of cotton seed meal after the oil naturally contained therein has been removed by a volatile solvent;

in subclass 49, cancel the note; in subclass 168, note (1), cancel "54, and indented subclass", in note (2) cancel the reference to class 87, Oils, Fats, and Glue, and substitute:

23—CHEMISTRY, subclass 267 and indented subclasses, for extraction apparatus per se;

and in subclass 169 cancel the reference to class 87, Oils, Fats, and Glue.

In *class 206, Special Receptacles and Packages* (Division 40), subclass 41, cancel note (2).

In *class 210, Liquid Separation or Purification* (Division 49), main class definition, in the second paragraph in the reference to class 233, Centrifugal Bowl Separators, after "centrifugal force" insert *in a rotary container*; in subclass 17, note (1) change the period to a comma and add *for proportional feeders per se*; in subclass 18 add:

Note.—See this class, subclass 30, for such proportional feeders per se;

in subclass 19 add:

Note.—See this class, subclass 32, for such proportional feeders per se;

in subclass 20 add:

Note.—See this class, subclass 42, for such proportional feeders per se;

in subclass 21 add:

Note.—See this class, subclass 41, for motor operated valve proportional feeders per se;

in subclass 22 add:

Note.—See this class, subclass 40, for such proportional feeders per se;

in subclass 29 add:

Note.—See this class, subclass 17 and indented subclasses, for proportional feeders with features forming a system;

in subclass 30 add:

Note.—Complete the search in subclass 18 of this class;

in subclass 32 add:

Note.—Complete the search in subclass 19 of this class;

in subclass 40, number the existing note (*2*) and add:

(1) Note.—Complete the search in subclass 22 of this class;

in subclass 41 add:

Note.—Complete the search in subclass 21 of this class;

in subclass 42 number the existing note (*2*) and add:

(1) Note.—Complete the search in subclass 20 of this class;

in subclass 51 in note (2) add:

233—CENTRIFUGAL BOWL SEPARATORS, for devices causing stratification in rotary containers by centrifugal force;

in subclass 128 add:

Search this class, subclass 122.4;

in subclass 141 add:

Search this class, subclass 122.4;

and in subclass 150.5 in the definition change the period to a comma and add:

or to interchange heat between incoming and outgoing liquids;

cancel note (2) and substitute:

(2) Note.—For other heaters and coolers, see this class, subclasses 14, 15, 49.5, 49.6, 52.5, 113.5, and 122.5.

In *class 211, Supports, Racks* (Division 8), subclass 30, add the following note:

(4) Note.—See class 223, APPAREL APPARATUS, subclass 66, for hat supports fitting inside of a hat and having form or shape imparting characteristics.

In *class 233, Centrifugal Bowl Separators* (Division 25), in the main class definition, note (2), cancel the existing reference to class 210, and substitute:

210—LIQUID SEPARATION OR PURIFICATION, subclass 51 and indented subclasses, for separators which cause stratification by centrifugal force in which the bowl is stationary, and subclass 63 and indented subclasses, in which centrifugal force causes material to pass through a filter.

In *class 250, Radiant Energy* (Division 54), subclass 44, note (2), in the reference to class 23, Chemistry, cancel "272.1" and substitute *272 and indented subclasses.*

In *class 260, Chemistry, Carbon Compounds* (Divisions 6, 50, and 59), in the main class definition cancel note (10) and substitute:

(10) Note.—Class 87, OILS, FATS, AND GLUE, includes compositions of matter containing carbon compounds such as, for example, detergent and lubricant compositions;

in subclass 124 add the following notes:

(3) Note.—See this class, subclass 97.5.
(4) Note.—See class 92, PAPER MAKING AND FIBER LIBERATION, subclass 2;

in subclass 210 number the existing note (*1*) and add:

(2) Note.—See this class, subclasses 473.5 and 473.6, for tannins, some of which are probably glucosides;

in subclass 236, in the definition insert a period after "same" and cancel the remainder of the sentence, and cancel note (1) thereto; in subclass 291, in the note cancel "See class 87, subclass 28, for extraction processes";

in subclass 327 add the following note:

Note.—For sulfurized oils, fats, ester-type waxes, or higher fatty acids, wherein the only sulfur ring present is introduced by sulfurization of these substances, see this class, subclass 399;

in subclass 333 add the following note:

(3) Note.—See class 167, MEDICINES, POISONS, AND COSMETICS, subclass 24, for insecticidal compositions containing rotenone or rotenone-containing natural extracts as an ingredient thereof;

in subclass 468 add the following note:

(3) Note.—This subclass also includes pyrethrum extracts per se which contain pyrethrins, which latter are apparently esters of alicyclic carboxylic acids and their preparation. For insecticidal compositions containing a pyrethrin or a pyrethrum extract as an ingredient thereof, see class 167, MEDICINES, POISONS, AND COSMETICS, subclass 24;

in subclass 704, in note (2) in the first line cancel "or to extraction followed by distillation"; in subclass 705 cancel the existing note and substitute:

(1) Note.—To complete this search, see the subclasses in this class providing for the particular extract or compound, especially subclasses 46, 97.5, 107, 112 and indented subclasses, 124, 210, 236, 256, 284, 285, 291, 292, 412 and indented subclasses, 473.5, 473.6, and 627.
(2) **Search Classes—**
8—BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclass 80, for extracts which have been specially prepared or treated to fit them for use as organic coloring material.
23—CHEMISTRY, subclass 268, for extracting or leaching processes, particularly manipulative, which are of general application to inorganic or organic materials.
99—FOODS AND BEVERAGES, for extracts which are beverages or foods and are not definite carbon compounds, especially subclasses 14–22, 27, 50 and indented subclasses, 71, 73, 110, 133, 140 and indented subclasses, and 148.
167—MEDICINES, POISONS, AND COSMETICS, subclasses 74 and indented subclasses, and 81, for medicinal animal extracts;

and in subclass 708 in the note cancel "class 87, appropriate subclasses".

In *class 266, Metallurgical Apparatus* (Division 3), subclass 12, change the first part of note (2) to read:

23—CHEMISTRY, subclass 267 and indented subclasses, for leaching apparatus.

In *class 294, Handling, Hand and Hoist Line Implements* (Division 4), in the main class definition, note (4), change the reference to class 22, Metal Founding, to read:

22—METAL FOUNDING, subclass 82, for hoist line and hand barrow type devices (but not other hand type devices, for which see the appropriate subclasses in class 294), adapted to hold a crucible or ladle and designed for tilting the crucible or ladle for the pouring of hot metal; and subclass 186, for pattern lifters and draw plates;

and in subclass 87 in the note cancel "and 87".

In *class 302, Conveyers, Fluid Current* (Division 4), subclass 14, in the reference to class 210, Liquid Separation or Purification, cancel "125" and substitute *appropriate subclasses.*

In *class 312, Supports, Cabinet Structures* (Division 8), subclass 167, in the note change the period to a comma and add *and see the line note thereunder.*

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 19, 1939

[VOL. 509. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

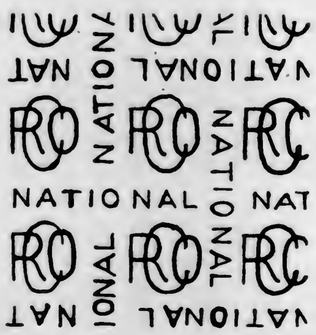
Raw or Partly Prepared Materials

Ser. No. 422,772. CRESCENT COAL COMPANY, INCORPORATED, Bevier, Ky. Filed Aug. 19, 1939.



The word "Coal" is disclaimed apart from the mark.
For Coal.
Claims use since Jan. 1, 1935.

Ser. No. 424,131. JACOBS LEATHER COMPANY, Boston, Mass. Filed Oct. 2, 1939.



For Rubber Slabs.
Claims use since Sept. 1, 1939.

Ser. No. 424,265. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Oct. 6, 1939.

ALKYPHEN

For Artificial Resins in the Form of Solids, Solutions or Emulsions Suitable for Various Uses in the Industrial Arts.
Claims use since July 5, 1939.

CLASS 2

Receptacles

Ser. No. 411,705. PECTIN INDUSTRIES, INC., Chicago, Ill. Filed Oct. 17, 1938.

Jolly Gulp

For Tubular Containers for Frozen Confections, and Sold Empty in Trade.
Claims use since Oct. 1, 1938.

Ser. No. 423,930. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Filed Sept. 25, 1939.

SHELL-MARK

For Bags Made from Transparent Sheet Material.
Claims use since Mar. 16, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 424,697. ROBBINS & WEITZ, INC., New York, N. Y. Filed Oct. 19, 1939.

YEAR-ROUNDER

For Ladies' Pocketbooks, Purses, and Handbags.
Claims use since July 1, 1937.

Ser. No. 424,786. ROBBINS & WEITZ, INC., New York, N. Y. Filed Oct. 21, 1939.



For Ladies' Purses, Pocketbooks, and Handbags.
Claims use since Oct. 12, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 423,833. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 21, 1939.

SURFRENU

For Lacquer for Resurfacing Rubber Footwear.
Claims use since July, 1937.

Ser. No. 424,463. CHAPMAN & RODGERS, INC., Philadelphia, Pa. Filed Oct. 12, 1939.

CRYST-O-KLEER

Applicant disclaims the word "Kleer" apart from the mark.
For Window Cleaning Preparation.
Claims use since May 16, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 408,716. KARWENDEL GESELLSCHAFT NACHF. RENTSCHLER & CIE, Lauphelm/Wurttemberg, Germany. Filed July 20, 1938.

KARWENDOL

For Chemical Insecticides and Plant Life Destroyers, Disinfectants, Preservatives for Foods, Perfume, Face and Body Powder, Hair Tonic, Skin Ointment, Skin Paste, Skin Cream, and Rust Preventatives of a Chemical Nature.
Claims use since November, 1931.

Ser. No. 416,107. MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Filed Feb. 16, 1939. Under 10-year proviso.

Moor Man's

For Stock Dips.
Claims use since May, 1894.

Ser. No. 421,399. E. R. SQUIBB & SONS, New York, N. Y. Filed July 8, 1939.

SOLEDRIN

For Ephedrin Preparations for Nasal Administration.
Claims use since Jan. 21, 1939.

Ser. No. 421,701. GERALD L. HUDSPETH, doing business as Hudspeth Chemical Company, Springfield, Ill. Filed July 18, 1939.



No claim is made to the word "Original" apart from the mark.
For Embalming Fluid.
Claims use since February, 1938.

Ser. No. 422,071. ROGER & GALLET, New York, N. Y. Filed July 28, 1939.

ŒILLET BLEU

For Perfumes, Toilet Waters, Powder and Rouge Containers, Rouges, Lipsticks, Bath Salts, Lotions for the Skin and Hair, and Sachets.
Claims use since January, 1939.

Ser. No. 423,927. MINERVA RUSS, San Francisco, Calif. Filed Sept. 25, 1939.

KUR-LES

For Special Preparations Consisting of a Liquid and a Pomade for Applying to the Hair for Removing Kinks and Frizz from the Same.
Claims use since Feb. 15, 1928.

Ser. No. 424,215. ARTHUR L. WAUGH, Chicago, Ill. Filed Oct. 4, 1939.



Applicant disclaims the words "Efficient" and "Detergent" except in conjunction with the other features of the mark.
For Germicides.
Claims use since Feb. 1, 1936.

Ser. No. 424,433. CHARLES D. MURRAY, doing business as Dapper Dan Company, Chicago, Ill. Filed Oct. 11, 1939.



The words "Hair Dressing Pomade" are disclaimed except as used in the mark.
For Hair Dressing Pomades.
Claims use since Aug. 27, 1938.

Ser. No. 424,548. DR. LORENZ & CO., Vienna, Germany. Filed Oct. 14, 1939.

LEPTOSPRIT

For Preparation for the Treatment of Leptospiroris.
Claims use since October, 1938.

Ser. No. 424,621. ELMO, INC., Philadelphia, Pa. Filed Oct. 17, 1939.

Elmo

"Secrets of Loveliness"

For Toilet Creams, Face Lotions, and Face Powders.
Claims use since Aug. 7, 1939.

Ser. No. 424,890. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Oct. 25, 1939.

LIPSTICK PLUS

The word "Lipstick" is disclaimed apart from the mark.
For Lipstick for Cosmetic Purposes.
Claims use since Oct. 13, 1939.

Ser. No. 424,935. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Oct. 26, 1939.

BIXATAL

For Elixir Vitamin B_1 Preparation.
Claims use since Oct. 17, 1939.

Ser. No. 424,936. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Oct. 26, 1939.

LIXA-BETA

For Elixir Vitamin B_1 Preparation.
Claims use since Oct. 17, 1939.

Ser. No. 425,175. CHARLES H. WISSINGER, Logansport, Ind. Filed Nov. 2, 1939.

WAKUTO

For Salve for Cancer Treatment.
Claims use since Oct. 23, 1939.

Ser. No. 425,274. COFFEE PRODUCTS OF AMERICA INC., LTD., doing business as Ben-Hur Laboratories, Los Angeles, Calif. Filed Nov. 6, 1939.



For Tooth Powder.
Claims use since Aug. 1, 1939.

Ser. No. 425,295. NYAL COMPANY, Detroit, Mich. Filed Nov. 6, 1939.

IMPULSE

For Perfume.
Claims use since Oct. 24, 1939.

Ser. No. 425,296. NYAL COMPANY, Detroit, Mich. Filed Nov. 6, 1939.

SPARK

For Dentifrice.
Claims use since Oct. 24, 1939.

Ser. No. 425,418. MELVIN CO., South Pasadena, Calif. Filed Nov. 8, 1939.

RASEMA

For Salve for Relief of Eczema and Similar Skin Eruptions.
Claims use since June 30, 1932.

CLASS 11

Inks and Inking Materials

Ser. No. 425,066. SLEIGHT METALLIC INK COMPANY OF ILLINOIS, INCORPORATED, Chicago, Ill. Filed Oct. 30, 1939.

METALITE

For Printing, Lithographing, Die-Stamping, and Plate Printing Inks.
Claims use since Mar. 17, 1939.

CLASS 12

Construction Materials

Ser. No. 424,599. THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Oct. 16, 1939.

KURO

For Materials for Curing, Hardening, and Improving Concrete Surfaces.
Claims use since July 1, 1930.

Ser. No. 424,624. INSURO CHEMICAL COMPANY, Lawrence, Mass. Filed Oct. 17, 1939.

INSURO

For Liquid Preparation for Hardening, Waterproofing, and Accelerating the Setting of Portland Cement.
Claims use since Aug. 10, 1938.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 423,442. SOCIÉTÉ DES SOUDURES CASTOLIN, S. A., Lausanne, Switzerland. Filed Sept. 8, 1939.



Applicant disclaims the words "Trade Mark" apart from the mark.
For Metal Alloys in Rod and Wire Form Used in Welding and for Core Solder.
Claims use since 1906.

CLASS 15

Oils and Greases

Ser. No. 404,778. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 1, 1938.

PENN MEDAL

Applicant disclaims the word "Penn" apart from the mark.
For Motor Oil.
Claims use since Feb. 18, 1937.

Ser. No. 420,087. BRADFORD OIL REFINING COMPANY, Bradford, Pa. Filed June 2, 1939.



The words "Permit No. 166" and "Quality" are disclaimed apart from the mark.
For Lubricating Oils.
Claims use since Apr. 15, 1939.

Ser. No. 424,446. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Oct. 11, 1939.

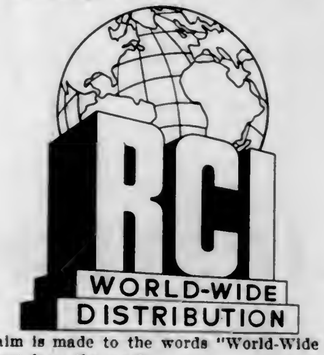
RPM DELO

For Lubricating Oils and Greases.
Claims use since Apr. 5, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 422,598. REICHHOLD CHEMICALS, INC., Detroit, Mich. Filed Aug. 14, 1939.



No claim is made to the words "World-Wide Distribution" apart from the mark.
For Resins, Including Synthetic Resins and Processed Natural Resins; Resin Solutions, Including Plastic Resin Solutions; and Oils, Including Processed Oils and Synthetic Oils, All the Above Being Ingredients for Use in Paints, Lacquers, Varnishes, Enamels.
Claims use since June 20, 1939.

Ser. No. 424,710. ATLAS POWDER COMPANY, Wilmington, Del. Filed Oct. 20, 1939.

ZATONE

For Wood Stain.
Claims use since Aug. 17, 1939.

Ser. No. 424,927. O-CEDAR CORP'N, Chicago, Ill. Filed Oct. 26, 1939.

NYRONE

For Polishes and Waxes for Polishing Furniture, Walls, Floors, and Automobiles.
Claims use since Oct. 2, 1939.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 419,793. CHECKER CAB MANUFACTURING CORPORATION, Kalamazoo, Mich. Filed May 25, 1939.

AER-O-LITE

For Motor Vehicle Bodies.
Claims use since Apr. 23, 1937.

Ser. No. 423,417. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 8, 1939.



The drawing is hatched for red and gold.
For Bicycles and Structural Parts Thereof.
Claims use since Aug. 1, 1939.

Ser. No. 423,544. ARNOLD, SCHWINN & CO., Chicago, Ill. Filed Sept. 13, 1939.

ADMIRAL

For Bicycles.
Claims use since Sept. 1, 1919.

Ser. No. 424,289. AUTOMOTIVE IMPROVEMENT CO., INC., Manteno, Ill. Filed Oct. 7, 1939.

A.I.C.

For Front Brake Plate and Radius Arm Tension Springs, and Foot Pedal Extension Attachments for Securing Normal Clutch Operation, All for Motor Vehicles.
Claims use since July 18, 1938.

CLASS 21

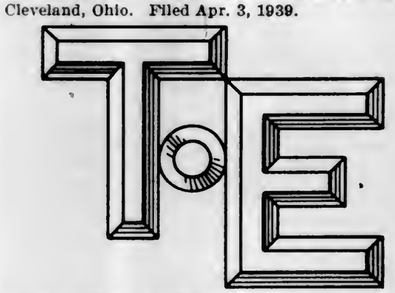
Electrical Apparatus, Machines, and Supplies

Ser. No. 412,173. C. CONRADTY, Nuremberg, Germany. Filed Oct. 29, 1938.

Nunega

For Electrical Apparatus and Supplies—Namely, Carbons with and without Lighting Compositions for Arc Lamps and Projectors; Carbon Rods; Carbon Cylinders; Carbon Plates for Cells and Batteries; Carbon Electrodes for Electro-Chemistry and Metallurgy; Carbon Brushes for Dynamos, Motors, Starters, and Ignition Apparatus; Copper and Other Metal Brushes; Sliding and Pressing Contacts; Carbon Packing Rings; Sliding Bows of Carbon for Current Collectors of Electrical Vehicles; Incandescent Carbons and Heating Rods for Heating Apparatus; Resistances of Carbons for Protection Against Lighting and for Electrothermic Purposes; Plates, Electrodes, Rods and Other Members of Artificial Graphite.
Claims use since Dec. 17, 1932.

Ser. No. 417,827. THE THOMPSON ELECTRIC COMPANY, Cleveland, Ohio. Filed Apr. 3, 1939.



For Fixtures for Adjustable Hanging Electric Lamps—Namely, Lamp Hangers, Lamp Shock Absorbers, Brackets, Mountings, Adapters, Swing Adapters, Radial Adjustment Adapters, Pulleys, Sheave Housings, Clamps, Swivel Fittings, Conduit Fittings, Lock Boxes, and Lamp Suspension Accessories.
Claims use since Feb. 7, 1939.

Ser. No. 421,059. FOSTER L. TALGE, Kansas City, Mo. Filed June 28, 1939.

Broil-O-Mat

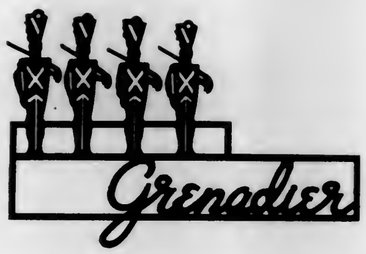
The word "Broil" is disclaimed apart from the mark.
For Electric Broilers.
Claims use since Jan. 16, 1939.

Ser. No. 421,356. SCHWARZE ELECTRIC COMPANY, Adrian, Mich. Filed July 7, 1939.



For Devices Operable for or with Electric Circuits, Including Alarm and Sight Signals, Telephone Apparatus, Wiring, Electric Control Panels, Motors, Switches, and Other Parts Thereof.
Claims use since Nov. 1, 1900.

Ser. No. 423,212. GRENADIER PRODUCTS, INC., New York, N. Y. Filed Sept. 1, 1939.



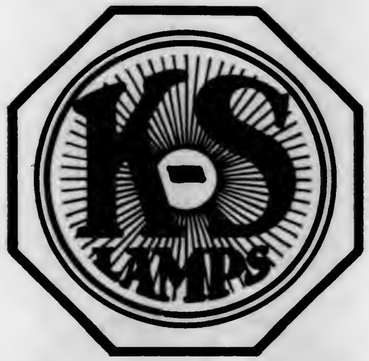
For Radio Receiving Sets.
Claims use since July 28, 1939.

Ser. No. 423,761. THE KILBORN-SAUER COMPANY, Fairfield, Conn. Filed Sept. 20, 1939.

K-S

For Electric Automobile and Marine Lights, Electric Stop Lights for Use on Vehicles, Electric Signal Lights for Use on Vehicles, Electric Light Fixtures, Electric Porch Lights, Electric-Lighted Compass Binnacles, Electric Compass Lights, Portable Electric Search Lights, Electric Trouble Lights, Electric Switches, Electric Fuse Blocks, Electric Plugs and Sockets, and Parts of the Above Cited Electrical Apparatus.
Claims use since 1918.

Ser. No. 423,764. THE KILBORN-SAUER COMPANY, Fairfield, Conn. Filed Sept. 20, 1939.



The word "Lamps" is disclaimed apart from the mark.
For Electric Automobile and Marine Lights, Electric Stop Lights for Use on Vehicles, Electric Signal Lights for Use on Vehicles, Electric Light Fixtures, Electric Porch Lights, Electric-Lighted Compass Binnacles, Electric Compass Lights, Portable Electric Search Lights, Electric Trouble Lights, Electric Switches, Electric Fuse Blocks, Electric Plugs and Sockets, and Parts of the Above Cited Electrical Apparatus.
Claims use since 1918.

Ser. No. 424,996. CUTLER-HAMMER, INC., Milwaukee, Wis. Filed Oct. 28, 1939.



The drawing is lined for red and black.
For Electrical Control Apparatus, Electrical Machines, and Electrical Supplies Consisting of Controllers for Dynamo-Electric Machines—to wit, Starting, Stopping, Reversing, and Speed Regulating Apparatus for Motors, and Voltage and Current Regulating Apparatus for Generators, and Like Control Apparatus for Rotary Converters; Current Breakers; Magnetic Brakes for Various Types of Machines; Lifting and Separating Magnets and Controls Therefor; Solenoids, Safety Switches, Meter Service and Entrance Switches; Float, Pressure and Other Special Switches; Insulating Bases and Supports for Switches and the Like; Automatic Valve Control Units; Solenoid-Operated Valves; Fuse Panels; Terminal Lugs; Wiring Fixtures and Conduit Fittings Comprising Switches, Switch Boxes and Covers, Attachment Plugs, Taps, Receptacles, Caps, Lamp Sockets, and Cord Connectors; Elevator Control Apparatus, Consisting of Limit Switches, Door Switches, Transfer Switches, and Floor Selector Switches; Speed Regulating and Other Current Control Resistors; Rheostats; Relays; Contactors; Switch Panels; Control Panels; Push Button Switches for Machine Tool Controllers; Motor Starters; Speed Controllers and Regulators Especially Adapted for Marine Service; Resistance Units for Space Heaters; Industrial Heaters; Ovens, and Immersion Water Heaters; Theater and Spotlight Dimmers; Battery Chargers; Starters and Speed Regulators for Fire Pumps, Printing Presses, Paper Making Machines, Oil Well Drillers and Pumps; Crane and Hoist Controls; Electronic Control Apparatus; Electric Welding Controllers, and Electric Refrigerator Control Devices.
Claims use since Feb. 1, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 421,942. MYSTIC NOVELTY SALES CO., Sherman, Tex. Filed July 25, 1939.

ASTRO NORTH STAR DIALS

For Game Played with a Movable Dial and Playing Cards.
Claims use since July 15, 1939.

Ser. No. 423,505. FRED MEDART MANUFACTURING CO., St. Louis, Mo. Filed Sept. 11, 1939.

GOAL-HI

For Game Goal Standards and Inflatable Balls.
Claims use since Aug. 24, 1939.

Ser. No. 424,563. HARRIET S. STEVENS, Chicago, Ill. Filed Oct. 14, 1939.

Adda-Bed

Applicant disclaims the word "Bed" except as shown.
For Doll Beds.
Claims use since Oct. 3, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 422,782. METROPOLITAN SEWING MACHINE CORPORATION, Nyack, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York. Filed Aug. 19, 1939.



For Edge Guides, Hemmers, Blind Hemmers, Binders, Belt Loop Folders, Collarette Folders, Folder Brackets, Strip Turners, Edge Turners, Shirt Front Folders, Edge Turners, Lap Seam Folders, Cuff Guides, Strip Guides, Tape Guides, Elastic Hemmers, Adjustable Guides, Drop Down Folders, Barrel Hemmers, Quarter Turn Devices, Swing Brackets, Baby Ruffle Attachments, Ribbon Guides, Strip Formers, Strip Turners, Thread Oilers, Strip Tensions, Bellows Pocket Attachments, Sweater Folders, Sweater Border Guides, and Blanket Binders for Sewing Machines.
Claims use since 1935.

Ser. No. 423,499. HARRIS PRODUCTS COMPANY, Akron, Ohio. Filed Sept. 11, 1939.

TORFLEX

For Mechanical Shaft Couplings, Universal Joints, and Flexible Bushings for Machinery.
Claims use since March, 1936.

Ser. No. 423,666. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Sept. 16, 1939.

LIFT-ALL

For Power Lift Mechanism for Agricultural Implements Drawn by or Carried on Agricultural Tractors.
Claims use since Sept. 6, 1939.

Ser. No. 423,780. THERMO CUBER COMPANY, INC., Chicago, Ill. Filed Sept. 20, 1939.

THERMO CUBER

Applicant disclaims the word "Cuber".
For Ice Cutting Machines.
Claims use since Aug. 26, 1939.

Ser. No. 423,828. PRESSURELUBE, INC., New York, N. Y. Filed Sept. 21, 1939.



For Portable Grease Guns.
Claims use since Sept. 7, 1939.

Ser. No. 423,844. KISTLER, LESH & COMPANY, INCORPORATED, Boston, Mass. Filed Sept. 21, 1939.

CHECKMATE

For Leather and Comparable Straps for Textile Machinery.
Claims use since Sept. 15, 1939.

Ser. No. 423,942. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Sept. 26, 1939.

CEMAC

For Machines for Filling Bottles, Jars, Cans, and Like Containers with Fluids, Such as Milk.
Claims use since Dec. 28, 1938.

Ser. No. 423,994. REINHOLD DORNFELD, doing business as Delmag-Maschinenfabrik Reinhold Dornfeld, Esslingen, Germany. Filed Sept. 27, 1939.

Delmag

For Pile Drivers.
Claims use since August, 1927.

Ser. No. 424,056. NICHOLSON FILE COMPANY G & H BARNETT DIVISION, Philadelphia, Pa., and Providence, R. I. Filed Sept. 29, 1939.

BLACK DIAMOND
MADE IN U.S.A.

Applicant disclaims the expression "Made in U. S. A."
For Files and Rasps.
Claims use since 1865.

Ser. No. 424,609. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio. Filed Oct. 16, 1939.

DRESSMASTER

For Sewing Machines.
Claims use since Sept. 29, 1939.

Ser. No. 424,610. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio. Filed Oct. 16, 1939.

Sewmaster

For Sewing Machines.
Claims use since Oct. 6, 1939.

CLASS 24

Laundry Appliances and Machines

Ser. No. 423,972. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y. Filed Sept. 27, 1939.

Spiralator Spindrier

The word "Spindrier" is disclaimed apart from the mark.
For Laundry Washing Machines.
Claims use since Sept. 6, 1939.

Ser. No. 423,973. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y. Filed Sept. 27, 1939.

Spiralator Streamliner

For Laundry Washing Machines.
Claims use since Aug. 25, 1939.

Ser. No. 423,974. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y. Filed Sept. 27, 1939.

Turbolator Spinner

For Laundry Washing Machines.
Claims use since Sept. 6, 1939.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 420,126. HELEN WILNER, New York, N. Y. Filed June 2, 1939.

Compass

For Binoculars and Field Glasses.
Claims use since Feb. 15, 1939.

Ser. No. 422,797. BACHARACH INDUSTRIAL INSTRUMENT COMPANY, Pittsburgh, Pa. Filed Aug. 19, 1939.



For Draft Gauges, Portable Gauge Analyzers, and Thermometers.
Claims use since Oct. 26, 1935.

Ser. No. 424,011. LACEY-WEBBER CO., Kalamazoo, Mich. Filed Sept. 28, 1939.

FREEZGIDE

For Thermohydrometers, Hydrometers, and Freezing Point Testing Devices.
Claims use since June 20, 1939.

CLASS 27

Horological Instruments

Ser. No. 397,504. LEE ANDREW DUROCHER, Norco, La. Filed Sept. 17, 1937.



No claim is made to the words "Ring Time Keeper" apart from the mark.
For Time Clocks.
Claims use since Oct. 28, 1934.

Ser. No. 420,605. SWARTCHILD & COMPANY, Chicago, Ill. Filed June 16, 1939.

GILVER

For Jewelers' and Watch Makers' Findings—Namely, Swivels, Spring Rings, Jump Rings, and Bows.
Claims use since May 23, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 424,449. TRABERT & HOEFFER INC., New York, N. Y. Filed Oct. 11, 1939.

THE GOLCONDA

For Diamonds and Precious Stones.
Claims use since Sept. 13, 1930.

Ser. No. 424,628. SPORTS VOGUE INC., New York, N. Y. Filed Oct. 17, 1939.

Town Twins

For Jewelry for Personal Wear or Adornment, not Including Watches.
Claims use since Sept. 5, 1939.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 423,640. UNITED BUYERS CORPORATION, Chicago, Ill. Filed Sept. 15, 1939.

Foodcraft

For Brooms, Mops, Scrubbing Brushes, and Dusters.
Claims use since Sept. 1, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 413,227. S. KARPEN & BROS., Chicago, Ill. Filed Nov. 28, 1938. Under 10-year proviso.

KARPEN

For Furniture, Either All-Wood Furniture, All-Upholstery Furniture, Combination Wood and Cane Furniture, Combination Wood and Upholstery Furniture, Combination Cane and Upholstery Furniture, or Combination Wood, Upholstery, and Cane Furniture—Namely, Dining-Room Chairs, Bedroom-Chairs, Office-Chairs of Swivel Type, as Well as Regular Leg-Bases, Restaurant-Chairs, Chairs for Billiard-Rooms, Benches for Use in Bedrooms or Living-Rooms, Typewriter Chairs, Bookkeeping-Chairs, Shoe-Fitting Chairs, Store-Chairs, Jury-Chairs, Revolving Counter-Chairs, Revolving Stools, Costumers, Tablet Restaurant-Chairs, Settees, Sofas, and Davenports; Also Office-Desks, Office and Library and Bedroom Tables, Writing-Desks, End Tables, Davenport-Tables, Fernery, Chaise-Longues, Lounges, Couches of Either Cane and Wood or All Upholstered or in Combination of Cane, Wood, and Upholstery; Also Fiber Rush and Reed Furniture Consisting of Settees, Sofas, Davenports, Armchairs, Rockers, Tables, Desks, Tea-Wagons, Ferneries, Buffets, Chairs, Bedsteads, Mattresses, and Mattress Springs.
Claims use since 1884.

Ser. No. 413,228. S. KARPEN & BROS., Chicago, Ill. Filed Nov. 28, 1938. Under 10-year proviso.

KARPEN
Guaranteed
FURNITURE

For Furniture, Either All-Wood Furniture, All-Upholstery Furniture, Combination Wood and Cane Furniture, Combination Wood and Upholstery Furniture, Combination Cane and Upholstery Furniture, or Combination Wood, Upholstery, and Cane Furniture—Namely, Dining-Room Chairs, Bedroom-Chairs, Office-Chairs of Swivel Type, as Well as Regular Leg-Bases, Restaurant-Chairs, Chairs for Billiard-Rooms, Benches for Use in Bedrooms or Living-Rooms, Typewriter Chairs, Bookkeeping-Chairs, Shoe-Fitting Chairs, Store-Chairs, Jury-Chairs, Revolving Counter-Chairs, Revolving Stools, Costumers, Tablet Restaurant-Chairs, Settees, Sofas, and Davenports; Also Office-Desks, Office and Library and Bedroom Tables, Writing-Desks, End Tables, Davenport-Tables, Fernery, Chaise-Longues, Lounges, Couches of Either Cane and Wood or All Upholstered or in Combination of Cane, Wood, and Upholstery; Also Fiber Rush and Reed Furniture Consisting of Settees, Sofas, Davenports, Armchairs, Rockers, Tables, Desks, Tea-Wagons, Ferneries, Buffets, Chairs, Bedsteads, Mattresses, and Mattress Springs.
Claims use since 1884.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 410,904. GREAT LAKES FURNACE AND INSULATING CORPORATION, Buffalo, N. Y. Filed Sept. 23, 1938.

THERMO-JACKET

No claim is made to the word "Jacket" apart from the mark.

For Hot Air Furnace Covering Jacket Comprising Mineral Wool Insulation and Sheet Metal Sheathing.
Claims use since July 1, 1932.

Ser. No. 423,453. AMERICAN COILS INC., Newark, N. J. Filed Sept. 9, 1939.



For Heat Exchange Coils and Baffles and Air Conditioning Units.
Claims use since July 25, 1939.

Ser. No. 424,391. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Oct. 10, 1939.

NORTH-EAIRE

For Air Cooling and Conditioning Units.
Claims use since Sept. 22, 1939.

Ser. No. 424,392. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Oct. 10, 1939.

NORTHEASTER

For Air Cooling and Conditioning Units.
Claims use since Sept. 22, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 417,069. WEXLER AND SPORTY, INC., New York, N. Y. Filed Mar. 14, 1939.

The Sporty Strat-O-Scope

The expression "The Sporty" is disclaimed apart from the mark.

For Phonograph and Radio Receiving Set Combinations.
Claims use since Mar. 3, 1939.

Ser. No. 421,617. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed July 15, 1939.

Luxury Lightup

For Phonographs.
Claims use since June 15, 1939.

Ser. No. 423,305. KRAUTH & BENNINGHOFEN, Hamilton, Ohio. Filed Sept. 5, 1939.

TRIAD

For Music Stands.
Claims use since July 3, 1939.

Ser. No. 424,876. THE FRED GRETSCH MANUFACTURING CO., New York, N. Y. Filed Oct. 25, 1939.

CALURA

For Fifes, Flageolettes, Metal Flutes, and Whistles.
Claims use since Aug. 7, 1933.

CLASS 37

Paper and Stationery

Ser. No. 412,301. NATIONAL BLANK BOOK COMPANY, Holyoke and Riverside, Holyoke, Mass. Filed Nov. 2, 1938.

NAT-LOCK

No claim is made to the word "Lock" apart from the mark.

For Loose Leaf Binders.
Claims use since Oct. 14, 1938.

Ser. No. 412,363. WITS END, Ardmore, Okla. Filed Nov. 3, 1938.

Wits End

For Writing Paper.
Claims use since Jan. 1, 1936.

Ser. No. 420,889. ASSOCIATED ENTERPRISES COMPANY, Superior, Wis. Filed June 24, 1939.



Applicant disclaims the word "Licence" apart from the mark.

For Record Sheets Sold to the Trade as Such in Connection With a Prize Drawing System.
Claims use since June 19, 1939.

Ser. No. 423,338. MILLER-CRAVEN, INC., New York, N. Y. Filed Sept. 6, 1939.

CHEKORD

For Books of Blank Forms to Be Filled in and Used as Bookkeeping Records.
Claims use since Oct. 12, 1937.

Ser. No. 423,420. THE HAMERSLEY MANUFACTURING COMPANY, Garfield, N. J. Filed Sept. 8, 1939.

HAMERSLEY'S MILEAGE

The name "Hamersley's" is disclaimed apart from the mark.

For Waxed and Unwaxed Paper Intended Primarily for Wrapping Purposes.
Claims use since October, 1934.

Ser. No. 423,985. THE POTTER PRESS, Waltham, Mass. Filed Sept. 27, 1939.

REGISTRET

For Metallic Holder and Support for Manifold Books.
Claims use since Sept. 15, 1939.

CLASS 38

Prints and Publications

Ser. No. 388,903. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

LOOIE

For Series of Cartoons.
Claims use since May 6, 1934.

Ser. No. 412,304. EDWARD J. REEVES, New York, N. Y., assignor to Photo Developing, Inc., Camden, N. J., a corporation of New Jersey. Filed Nov. 2, 1938.

POSTO-PHOTO

Applicant disclaims the word "Photo" except as shown.
For Photographs and Prints.
Claims use since Oct. 28, 1938.

Ser. No. 415,049. METROPOLITAN CREDIT, INC., Cleveland, Ohio. Filed Jan. 20, 1939.



Applicant disclaims the words "Student Finance Plan" apart from the mark.

For Advertising Material Sold as Such to the Trade—Namely, Correspondence Folders, Letters, Circulars, and Pamphlets.
Claims use since Jan. 6, 1939.

Ser. No. 421,540. THE FIRM OF JOHN DICKINSON SCHNEIDER, Chicago, Ill. Filed July 13, 1939.



For Lithographed, Printed, and Gravure Matter Such as Catalogs, Broadsides, Booklets, Pamphlets, and Labels.
Claims use since July 3, 1939.

Ser. No. 422,215. HARRY A. MUNDORFF JR., Wilmington, Del. Filed Aug. 2, 1939.

Adversharе

For Periodical Published From Time to Time.
Claims use since July 22, 1939.

Ser. No. 422,578. DAVID D. FISHBACK, Wichita, Kans. Filed Aug. 14, 1939.

HOW THEY MADE GOOD

For Pictorial Illustration as a News Feature Appearing in Daily, Weekly, or Monthly Publications.
Claims use since Aug. 4, 1939.

Ser. No. 423,624. LESLIE E. BIRGER, Dearborn, Mich. Filed Sept. 15, 1939.

PHYSICAL FITNESS

THE GUIDE to HEALTH STRENGTH and PHYSIQUE

For Periodical.
Claims use since Apr. 11, 1939.

Ser. No. 424,434. WILLIAM H. MYLES, doing business as Billy Bugg Enterprises, Chicago, Ill. Filed Oct. 11, 1939.

BILLY BUGG

For Cartoon Strips.
Claims use since Sept. 27, 1939.

Ser. No. 424,451. WOMEN'S WEAR COMPANY, New York, N. Y. Filed Oct. 11, 1939.

the RETAIL EXECUTIVE

For Newspaper.
Claims use since June 7, 1939.

Ser. No. 424,470. JOHN CWIEKALO, Iselin, N. J. Filed Oct. 12, 1939.

MEN-O-CAL

For Computing Card Device for Menstruation Periods.
Claims use since Aug. 31, 1939.

Ser. No. 424,472. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Oct. 12, 1939.

THRILL COMICS

For Monthly Humorous Periodical.
Claims use since Oct. 9, 1939.

Ser. No. 424,498. JOSEPH W. SCHLOSSER, Grayslake, Ill. Filed Oct. 12, 1939.

Standard Correspondence Club

For Publication Issued From Time to Time.
Claims use since January, 1901.

Ser. No. 424,672. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Oct. 18, 1939.

The Congress Week

For Sections of Periodical Publications.
Claims use since December, 1938.

Ser. No. 424,673. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Oct. 18, 1939.

The President's Week

For Sections of Periodical Publications.
Claims use since December, 1938.

Ser. No. 424,799. EARLE FREDERICK-SON, Seattle, Wash. Filed Oct. 23, 1939.



The Northman

For Historical Monthly News Magazine.
Claims use since Oct. 4, 1939.

CLASS 39

Clothing

Ser. No. 357,745. SAMUELS-KLEINER, LTD., Los Angeles, Calif., assignor, by mesne assignments, to Sam Samuels, Los Angeles, Calif. Filed Oct. 31, 1934.

RENÉE OF HOLLYWOOD

No claim is made to the word "Hollywood" except as shown.
For Brassières.
Claims use since Sept. 7, 1932.

Ser. No. 381,179. WARE, PRATT COMPANY, Worcester Mass. Filed July 18, 1936.

The Wilshire Shoe

WARE PRATT CO.

The words "Shoe" and "Ware, Pratt Co." are disclaimed apart from the mark.
For Men's and Boys' Shoes Made of Leather and Combinations of Leather and Fabric.
Claims use since Sept. 1, 1935.

Ser. No. 411,444. BONWIT TELLER, INC., New York, N. Y. Filed Oct. 10, 1938.

"ANGEL ROBE"

Applicant disclaims the word "Robe" except as shown.
For Women's and Misses' Dresses, Coats, and Suits.
Claims use since Oct. 8, 1938.

Ser. No. 415,206. THE SELBY SHOE CO., Portsmouth, Ohio. Filed Jan. 26, 1939.

SCRAMS

For Shoes of Leather and Fabric and a Combination of These Materials.
Claims use since December, 1934.

Ser. No. 417,621. LORCH MANUFACTURING COMPANY, Dallas, Tex. Filed Mar. 29, 1939.

Hobbies

For Ladies' and Misses' Coats and Suits.
Claims use since Sept. 15, 1938.

Ser. No. 419,949. CHARLES KUM CHAN, Honolulu, Hawaii. Filed May 29, 1939.



The words "Tailored By Honolulu-Hawaii" are disclaimed apart from the mark. The drawing is lined for red.
For Ladies' Wear (One- and Two- and Three-Piece Bathing Suits, Shirts, Slacks, Robes, Pajamas, Play Shorts, Swim Shorts, Underwear, Overalls, Coats, Skirts, Dresses, Jackets, Play Suits, Gowns, Bandanas, Scarfs, Riding Breeches, Housecoats, Kimonos and Holokus—Namely, Ankle Length Dresses with a Train, of Silk, Wool, Linen, Cotton, and Other Fabrics in Plain and Figured Materials); Men's Wear (Shirts, Slacks, Robes, Pajamas, Golf Shorts, Swim Shorts, Underwear, Overalls, Coats, Jackets, Play Suits, Neckties, Scarfs, Riding Breeches, Kimonos and Trousers of Silk, Wool, Linen, Cotton and Other Fabrics in Plain and Figured Materials); Children's Wear (Shirts, Slacks, Robes, Pajamas, Play Shorts, Swim Shorts, Swim Suits, Underwear, Overalls, Coats, Skirts, Dresses, Jackets, Play Suits, Scarfs, Riding Breeches, Housecoats, Kimonos, Holokus and Trousers of Silk, Wool, Linen, Cotton and Other Fabrics in Plain and Figured Materials).
Claims use since Sept. 1, 1938.

Ser. No. 420,300. WEBER & HEILBRONER, INC., New York, N. Y. Filed June 8, 1939.

HIGHGATE

For Men's Hats, Caps, Neckties, Dress, Negligee, and Under Shirts of Knitted and Textile Fabric, Stockings, Socks, Boots and Shoes of Leather, Rubber, and Fabric and Combinations Thereof, Underwear of Knitted and Textile Fabric, Pyjamas, Nightshirts, Bath Robes, Smoking Jackets, and House Gowns.
Claims use since June 1, 1939.

Ser. No. 420,331. M. & M. THOMAS CORP., New York, N. Y. Filed June 9, 1939.

SPRINGER

For Neckties.
Claims use since May 3, 1939.

Ser. No. 420,692. SCOTT-BURR STORES CORPORATION, Chicago, Ill. Filed June 19, 1939.

Sheerene

For Hosiery.
Claims use since Oct. 6, 1937.

Ser. No. 420,745. BALTIMORE TROUSER COMPANY, INC., Baltimore, Md. Filed June 21, 1939.



The word "Sportswear" is disclaimed.
For Sport Shirts, Slacks, and Trousers for Men and Boys.
Claims use since Nov. 15, 1938.

Ser. No. 421,582. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed July 14, 1939.

IRON BUCK

The word "Buck" is disclaimed except in association with the word "Iron".
For Gloves of Leather, Rubber, Fabric, and Combinations of These Materials.
Claims use since June 27, 1939.

Ser. No. 421,693. J. COHEN GARMENT CO., Portland, Oreg. Filed July 18, 1939.



The word "Junior" is disclaimed apart from the mark.
For Women's, Misses', and Children's Overcoats, Reefers, Jackets, and Wraps for Outdoor Wear and for Sport Wear.
Claims use since June 1, 1939.

Ser. No. 422,450. ISIDOR ROSENBERG, New York, N. Y. Filed Aug. 9, 1939.

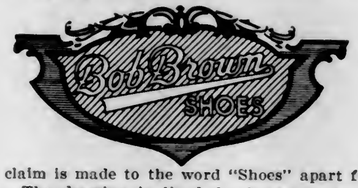
"Panda Plush"

No claim is made to the word "Plush" apart from the mark.

For Ladies' Hats.

Claims use since July 15, 1938.

Ser. No. 422,945. NASSER MIZRACHI, New York, N. Y. Filed Aug. 24, 1939.



No claim is made to the word "Shoes" apart from the mark. The drawing is lined for brown center. Horizontal lines are for shading.

For Men's and Boys' Leather and Canvas Shoes.

Claims use since November, 1938.

Ser. No. 423,191. WRIGHT'S UNDERWEAR COMPANY, INC., New York, N. Y. Filed Aug. 31, 1939.

TRIPPERS

For Men's, Boys', Women's, Misses', and Children's Underwear, Sweaters, Ski Suits, Play Suits, Hosiery, and Socks; Men's and Boys' Outer and Under Shirts, Pajamas, Night Shirts, Lumber Jackets, Jackets for Work and Sports, Vests and Pants; and Women's and Misses' Skirts.

Claims use since Aug. 25, 1939.

Ser. No. 423,273. MAVEST INC., New York, N. Y. Filed Sept 2, 1939.

MAVARDINE

THE FORMAINTAIN COAT

The term "Formaintain Coat" is disclaimed apart from the mark.

For Men's, Women's, Misses', and Children's Coats, Especially Topcoats and Overcoats.

Claims use since July 23, 1939.

Ser. No. 423,332. AUGUST L. EICH, Chicago, Ill. Filed Sept. 6, 1939.



No claim is made to the word "Shoe" and the picture of a shoe apart from the mark.

For Leather Shoes.

Claims use since December, 1924.

Ser. No. 423,336. ALEDA L. LIVINGSTON, doing business as Madame des Lauriers, Hollywood, Calif. Filed Sept. 6, 1939.

Lov-é

For Brassières.

Claims use since 1929.

Ser. No. 423,601. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Sept. 14, 1939.

GRILLE TIP

For Men's and Boys' Hosiery.

Claims use since Aug. 15, 1939.

Ser. No. 423,740. JOSEPH ROSEN, doing business as Manfield Handkerchief Co., New York, N. Y. Filed Sept. 19, 1939.

PRINCESS

For Handkerchiefs.

Claims use since Sept. 18, 1939.

Ser. No. 423,868. WEMBLEY, INC., New Orleans, La. Filed Sept. 22, 1939.

VELV-O-FAILLE

Applicant disclaims the word "Faille" apart from the mark.

For Men's Neckties and Scarfs.

Claims use since Sept. 1, 1939.

Ser. No. 423,869. WEMBLEY, INC., New Orleans, La. Filed Sept. 22, 1939.

VELVAFAILLE

For Men's Neckties and Scarfs.

Claims use since Sept. 1, 1939.

Ser. No. 423,891. MAMMOTH HOSIERY MILLS, Trenton, N. J. Filed Sept. 23, 1939.

NU-MAID

WEAR CONDITIONED

Applicant disclaims the words "Wear Conditioned" apart from the mark.

For Women's Hosiery.

Claims use since Sept. 1, 1939.

Ser. No. 423,961. ULTRAFIT CO., New York, N. Y. Filed Sept. 26, 1939.

ULTRAFIT

For Shirts for Men and Boys, Collars and Cuffs for Shirts for Men and Boys, and for Blouses and Sport Shirts for Men, Women, and Children, Sport Shirts, Under-Shirts and Pyjamas for Men and Boys.

Claims use since Aug. 2, 1939.

Ser. No. 424,014. NEIRING, INC., Chicago, Ill. Filed Sept. 28, 1939.

Gloria Jean Juniors

Applicant disclaims the word "Juniors" apart from the mark.

For Women's, Misses', and Children's Dresses, Coats, Skirts, Blouses, and Ski Suits.

Claims use since Mar. 19, 1939.

Ser. No. 424,393. THE DANIEL HAYS COMPANY, INC., Gloversville, N. Y. Filed Oct. 10, 1939.

Queensuede

For Gloves of Leather, Fabric, or a Combination of Leather and fabric.

Claims use since Oct. 3, 1939.

Ser. No. 424,425. FRANCO CORSET COMPANY, New York, N. Y. Filed Oct. 11, 1939.

Francoat

For Corsets.

Claims use since Sept. 15, 1939.

Ser. No. 424,595. M. I. HUEBSCHMAN & BRO. INC., Cleveland, Ohio. Filed Oct. 16, 1939.

Marian Sue

For Women's Wearing Apparel—Namely, Dresses, Smocks, House Coats, and Maternity Dresses.

Claims use since Dec. 1, 1933.

Ser. No. 424,616. BORGENICHT & SPIRO, INC., New York, N. Y. Filed Oct. 17, 1939.



The figure is fanciful. No claim is made to the word "Frocks" apart from the mark.

For Children's and Misses' Dresses.

Claims use since August, 1939.

Ser. No. 424,915. HENRY HEFTER, doing business as Campbell Hosiery Shops, Chicago, Ill. Filed Oct. 26, 1939.

Miss Secretary

For Hosiery.

Claims use since 1922.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 412,597. ELASTIC S. A., Basel, Switzerland. Filed Nov. 10, 1938.

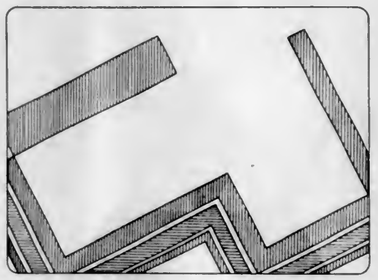
ZIG ZAG



For Narrow Elastic Braids, Cords, Webbings, and Tapes; and Narrow Elastic Suspender Ends.

Claims use since June 25, 1934.

Ser. No. 416,456. CONTINENTAL MERCHANDISE CO., New York, N. Y. Filed Feb. 27, 1939.



The drawing is lined for red and blue. No claim is made to the representation of the label per se.

For Sewing Needles for Hand Use.

Claims use since April, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 424,911. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Oct. 26, 1939.

Repaleen

For Woolen Piece Goods.
Claims use since Oct. 15, 1939.

Ser. No. 424,912. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Oct. 26, 1939.

Sandrosa

For Woolen Piece Goods.
Claims use since Oct. 15, 1939.

Ser. No. 424,957. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Oct. 27, 1939.

Sandrella

For Woolen Piece Goods.
Claims use since Oct. 15, 1939.

CLASS 43

Thread and Yarn

Ser. No. 396,729. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Aug. 25, 1937.

BEMBERG

"Pebbly-Spun"

No claim is made to the words "Pebbly-Spun" apart from the mark.
For Thread and Yarn of Artificial Origin.
Claims use since Aug. 6, 1937.

Ser. No. 420,015. MITSUBISHI SHOJI KAISHA, LTD., Tokyo, Japan, and New York, N. Y. Filed May 31, 1939.



For Silk Yarn, Artificial Silk Yarn, Wild Silk Yarn, Hemp Yarn, Cotton Yarn, and Woolen Yarn.
Claims use since Aug. 4, 1925, on artificial silk yarn; and since Sept. 5, 1918, on remainder of goods.

Ser. No. 420,018. MITSUBISHI SHOJI KAISHA, LTD., Tokyo, Japan, and New York, N. Y. Filed May 31, 1939.

Three Diamonds

For Hemp Yarn, Silk Yarn, Artificial Silk Yarn, and Wild Silk Yarn.
Claims use since July 6, 1926, on Hemp Yarn; and since Aug. 31, 1929, on remainder of goods.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 423,260. THE GLAZO COMPANY, INC., East Rutherford, N. J. Filed Sept. 2, 1939.

KNEE-CAP

For Manicure Sets.
Claims use since Aug. 31, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 423,562. L. HOUSE & SONS CO., INC., Syracuse, N. Y. Filed Sept. 13, 1939.

Syra-up

For Soda Water.
Claims use since Aug. 22, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 416,350. WALTER R. WRIGHT, Oak Park, Ill., assignor, by mesne assignments, to Sally Lee Coffee Co., Inc., Chicago, Ill. Filed Feb. 23, 1939.



The picture of a girl is fanciful.
For Coffee.
Claims use since January, 1935.

Ser. No. 418,341. THE ISMERT-HINCKE MILLING COMPANY, Kansas City, Mo. Filed Apr. 17, 1939.



The words "White Dough" are disclaimed apart from the mark.
For Wheat Flour.
Claims use since Mar. 25, 1939.

Ser. No. 418,553. FRED MEYER, INC., Portland, Oreg. Filed Apr. 15, 1939.



The drawing is lined for green. Applicant disclaims the words "Kitchen Made" and the representation of the label apart from the mark.
For Condiments—Namely, Salad Dressing.
Claims use since Jan. 1, 1933.

Ser. No. 420,786. TRUMAN ELLSWORTH STEPHENS, doing business as Trulyn Shippers, Edinburg, Tex. Filed June 21, 1939.



JAK-A-LAK

Applicant is owner of registered trade-mark No. 270,429 of May 6, 1930.
For Fresh Vegetables—Namely, Turnips, Turnip Greens, Mustard Greens, Endive, Escarolle, Cauliflower, Carrots, Beets, Onions, Lettuce, Cabbage, Beans, Squash, Green Peppers, and Tomatoes.
Claims use since Dec. 1, 1927.

509 O. G.—36

Ser. No. 420,884. E. ELLSWORTH CHASE, JR., doing business as Chevy Chase Co., San Jose, Calif. Filed June 26, 1939.

CHEVY CHASE

For Canned Fruits, Canned Vegetables, Dried Fruits, Canned Fruit and Vegetable Juices for Food Purposes.
Claims use since May 8, 1939.

Ser. No. 420,938. CENTENNIAL FLOURING MILLS CO., Seattle, Wash. Filed June 26, 1939.

GERVITA

For Blended Wheat Flour and Bread.
Claims use since May 1, 1939.

Ser. No. 421,740. H P COFFEE COMPANY, St. Louis, Mo. Filed July 19, 1939.

HAPPY HOST

For Coffee.
Claims use since June 26, 1939.

Ser. No. 421,932. THE EUCLID CANDY CO. OF CALIFORNIA, INC., San Francisco, Calif. Filed July 25, 1939.

SNOWBALLS

For Candy.
Claims use since Apr. 31, 1936.

Ser. No. 423,325. MAURICE H. AUERBACH, doing business as Pasa Pega Sales Co., San Francisco, Calif. Filed Sept. 6, 1939.

Pasa Pega

For Seasoning for Meats, Poultry, Fish, Salads, Made from a Blend of Spices and Herbs.
Claims use since Apr. 12, 1938.

Ser. No. 424,204. PH. ORTH CO., Milwaukee, Wis. Filed Oct. 4, 1939.



REDI-FROST

No claim is made to the notation "Works Like Magic" apart from the mark.
For Prepared Icing for Cakes.
Claims use since July 1, 1939.

Ser. No. 424,565. SUPERIOR BISCUIT CO., Los Angeles, Calif. Filed Oct. 14, 1939.

OVEN TREAT

For Salted Wafers and Graham Crackers.
Claims use since Sept. 20, 1939.

Ser. No. 424,788. SEQUOIA CITRUS ASSOCIATION, Lemon Cove, Calif. Filed Oct. 21, 1939.

TREE TOP

For Fresh Citrus Fruits.
Claims use since Oct. 5, 1939.

Ser. No. 424,815. MELTZER & WIGTON, Philadelphia, Pa. Filed Oct. 23, 1939.

MEL-WIG

For Canned Watermelon Juice for Food Purposes.
Claims use since Sept. 1, 1939.

Ser. No. 424,902. THE CHURNGOLD CORPORATION, Cincinnati, Ohio. Filed Oct. 26, 1939.

Health Guard

For Oleomargarine.
Claims use since Sept. 12, 1939.

Ser. No. 424,970. NATIONAL COAST PRODUCTS CORPORATION, Swedesboro, N. J. Filed Oct. 27, 1939.

SWANKIE

For Canned Dog and Cat Food.
Claims use since Oct. 20, 1939.

CLASS 47

Wines

Ser. No. 423,908. BEAULIEU VINEYARD, San Francisco, Calif. Filed Sept. 25, 1939.

Beaulieu Vineyard

For Wines.
Claims use since 1900.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 421,210. BARNEY STEMPLER & SONS, INC., New York, N. Y. Filed July 1, 1939.

"HANGERS— That's All"

The word "Hangers" is disclaimed apart from the mark.
For Garment Hangers.
Claims use since Sept. 1, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 19, 1939

373,673. MATTRESSES, BOX-SPRINGS, STUDIO-COUCHES, BED-SPRINGS, PILLOWS. BURTON-DIXIE CORPORATION, Chicago, Ill.
Filed August 3, 1937. Serial No. 395,940. PUBLISHED NOVEMBER 1, 1938. Class 32.

373,674. CYMBALS. AVEDIS ZILDJIAN CO., Norfolk Downs, Mass.
Filed November 26, 1937. Serial No. 400,180. PUBLISHED MARCH 29, 1938. Class 36.

373,675. POP CORN IN ITS NATURAL STATE. ELMER J. SCHROEDER, doing business as Elmer Schroeder, Buhl, Idaho.
Filed June 10, 1938. Serial No. 407,333. PUBLISHED SEPTEMBER 6, 1938. Class 46.

373,676. LIQUEURS. CHARTREUSE CORPORATION, New York, N. Y.
Filed June 16, 1938. Serial No. 407,531. PUBLISHED SEPTEMBER 6, 1938. Class 49.

373,677. LIQUEURS. CHARTREUSE CORPORATION, New York, N. Y.
Filed June 16, 1938. Serial No. 407,533. PUBLISHED SEPTEMBER 6, 1938. Class 49.

373,678. FRESH DATES AND FRESH CITRUS FRUIT. IRENE L. JOHNSON, doing business as Sun Gold Gardens, Indio, Calif.
Filed July 29, 1938. Serial No. 409,039. PUBLISHED SEPTEMBER 12, 1939. Class 46.

373,679. DAIRY DRINK HAVING A FLAVORED MILK AS ITS BASE. LESTER S. OLSEN, doing business as The Milcola Co., Milwaukee, Wis.
Filed September 13, 1938. Serial No. 410,517. PUBLISHED NOVEMBER 15, 1938. Class 46.

373,680. LAWN MOWERS. DILLE & MCGUIRE MFG. CO., Richmond, Ind.
Filed September 15, 1938. Serial No. 410,582. PUBLISHED OCTOBER 10, 1939. Class 23.

373,681. MONOLITHIC MASONRY BRICK. JOHN B. KRITZER, doing business as Kritzer Contracting Co., Oak Park, Ill.
Filed October 13, 1938. Serial No. 411,578. PUBLISHED AUGUST 1, 1939. Class 12.

373,682. OFFICIAL MONTHLY PUBLICATION. THE UNITED STATES JUNIOR CHAMBER OF COMMERCE, St. Louis, Mo.
Filed October 24, 1938. Serial No. 412,015. PUBLISHED JANUARY 10, 1939. Class 38.

373,683. COFFEE. GULF CITY COFFEE COMPANY, Pensacola, Fla.
Filed October 27, 1938. Serial No. 412,095. PUBLISHED OCTOBER 10, 1939. Class 46.

373,684. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed December 12, 1938. Serial No. 413,751. PUBLISHED OCTOBER 10, 1939. Class 21.

373,685. GOLF BALLS. THE WORTHINGTON BALL COMPANY, Elyria, Ohio.
Filed December 14, 1938. Serial No. 413,848. PUBLISHED OCTOBER 10, 1939. Class 22.

373,686. WEIGHING SCALES. B. F. GUMP CO., Chicago, Ill.
Filed December 15, 1938. Serial No. 413,868. PUBLISHED OCTOBER 10, 1939. Class 26.

373,687. GENERAL PURPOSE HOUSEHOLD AND INDUSTRIAL CLEANING COMPOUND. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed December 16, 1938. Serial No. 413,919. PUBLISHED OCTOBER 10, 1939. Class 4.

373,688. BOTTLE CLEANING APPARATUS AND BOTTLE WASHING MACHINERY. MICHAEL YUNDT COMPANY, Waukesha, Wis.
Filed December 29, 1938. Serial No. 414,317. PUBLISHED OCTOBER 10, 1939. Class 23.

373,689. REFILLABLE VAPORIZING APPARATUS FOR INSECT REPELLENT. CROWN SPECIALTIES, INC., Newark, N. J.
Filed January 5, 1939. Serial No. 414,519. PUBLISHED OCTOBER 10, 1939. Class 23.

373,690. METAL REFLECTORS. THE BRITISH ALUMINIUM COMPANY LIMITED, London, England.
Filed February 1, 1939. Serial No. 415,469. PUBLISHED OCTOBER 10, 1939. Class 34.

373,691. CONNECTOR-FUSE PROTECTIVE COVERINGS AND ELECTRICAL CONNECTORS. BURNDY ENGINEERING COMPANY, INC., New York, N. Y.
Filed February 16, 1939. Serial No. 416,091. PUBLISHED OCTOBER 10, 1939. Class 21.

373,692. LADIES' APPAREL BELTS. GARAY & CO. INC., New York, N. Y.
Filed February 28, 1939. Serial No. 416,448. PUBLISHED JULY 4, 1939. Class 39.

373,693. AIRPLANES AND STRUCTURAL PARTS THEREOF. DOUGLAS AIRCRAFT COMPANY, INC., Santa Monica, Calif.
Filed February 27, 1939. Serial No. 416,459. PUBLISHED OCTOBER 10, 1939. Class 19.

373,694. SODA CRACKERS. JUNOR BAKING COMPANY, Joplin, Mo.
Filed March 1, 1939. Serial No. 416,567. PUBLISHED APRIL 25, 1939. Class 46.

373,695. THERMOSTATIC HEATING CONTROL UNITS. ANTHRACITE INDUSTRIES, INC., New York, N. Y.
Filed March 11, 1939. Serial No. 416,940. PUBLISHED OCTOBER 10, 1939. Class 26.

373,696. PIPES AND CIGAR AND CIGARETTE HOLDERS. ROGERS IMPORTS, INC., New York, N. Y.
Filed March 15, 1939. Serial No. 417,099. PUBLISHED JULY 4, 1939. Class 8.

373,697. MARBLES, COMBINATION CHECKERS AND CHINESE CHECKERS GAME, SEMI-GYRO METAL TOP, INDOOR BALLS, BASEBALL GLOVES, BOXING GLOVES, SKATES, TARGET SET, SLEEPING DOLL, AND TABLE-TENNIS SET. JOE LOWE CORPORATION, New York, N. Y.
Filed March 27, 1939. Serial No. 417,545. PUBLISHED OCTOBER 10, 1939. Class 22.

373,698. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed March 30, 1939. Serial No. 417,666. PUBLISHED OCTOBER 10, 1939. Class 47.

373,699. SUNGOGGLES AND SUNGLASSES. THE GLEMBY COMPANY, INC., New York, N. Y.
Filed April 4, 1939. Serial No. 417,838. PUBLISHED OCTOBER 10, 1939. Class 26.

373,700. CENTRIFUGAL SEPARATORS — NAMELY, SLUDGE SEPARATORS. KOEFOED, HAUBERG, MARSTRAND OG HELWEG, AKTIESELSKABET TITAN, Copenhagen, Denmark.
Filed April 14, 1939. Serial No. 418,253. PUBLISHED OCTOBER 10, 1939. Class 23.

373,701. PYROPHORIC OR SPARKING METAL ALLOYS. NEW PROCESS METALS CORPORATION, Newark, N. J.
Filed April 21, 1939. Serial No. 418,528. PUBLISHED OCTOBER 10, 1939. Class 14.

373,702. BASE METAL COASTERS. GUSTAV HAFFNER, Cincinnati, Ohio.
Filed April 24, 1939. Serial No. 418,637. PUBLISHED OCTOBER 10, 1939. Class 13.

373,703. EXPOSURE METERS FOR USE IN PHOTOGRAPHY. PHOTO UTILITIES, INC., New York, N. Y.
Filed April 28, 1939. Serial No. 418,850. PUBLISHED OCTOBER 10, 1939. Class 26.

373,704. ARTIFICIAL FERTILIZER, A MIXTURE CONTAINING NITROGEN-PHOSPHORIC ACID AND POTASSIUM. HERMANUS PIETER BENDIEN, Naarden, Netherlands.
Filed May 8, 1939. Serial No. 419,172. PUBLISHED AUGUST 29, 1939. Class 10.

373,705. VEGETABLE PROTEIN IN POWDER OR FLOURLIKE FORM DERIVED FROM COTTONSEED FLOUR AND USED FOR COOKING AND BAKING. TRADERS OIL MILL COMPANY, Fort Worth, Tex.
Filed May 12, 1939. Serial No. 419,406. PUBLISHED OCTOBER 10, 1939. Class 46.

373,706. WIDE ELASTIC FABRIC IN THE PIECE HAVING RUBBER THREADS INCORPORATED THEREIN. JODEL, INC., New York, N. Y.
Filed May 17, 1939. Serial No. 419,520. PUBLISHED OCTOBER 10, 1939. Class 42.

373,707. WHITE CORN MEAL, YELLOW CORN MEAL, DAIRY FEED, HORSE FEED, POULTRY FEED, SCRATCH FEED, HOG FEED, WHEAT FLOUR, AND SELF RISING WHEAT FLOUR. CITY MILLS COMPANY, Columbus, Ga.
Filed May 26, 1939. Serial No. 419,855. PUBLISHED OCTOBER 3, 1939. Class 46.

373,708. CERAMIC TABLE AND COOKING WARE AND CERAMIC JARS AND VASES. TEBOR INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,892. PUBLISHED OCTOBER 10, 1939. Class 30.

373,709. COTTON, RAYON, ACETATE AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed June 1, 1939. Serial No. 420,050. PUBLISHED OCTOBER 10, 1939. Class 42.

373,710. RAYON AND RAYON-WOOL FABRICS IN THE PIECE. GRANITE FABRICS, INC., New York, N. Y.
Filed June 2, 1939. Serial No. 420,100. PUBLISHED OCTOBER 10, 1939. Class 42.

373,711. PIECE GOODS OF SILK, RAYON, COTTON, WOOL, AND MIXTURES THEREOF. M. & W. THOMAS CORP., New York, N. Y.
Filed June 7, 1939. Serial No. 420,270. PUBLISHED OCTOBER 10, 1939. Class 42.

373,712. LUNCHEON MEAT. ARMOUR AND COMPANY, Chicago, Ill.
Filed June 12, 1939. Serial No. 420,397. PUBLISHED OCTOBER 10, 1939. Class 46.

373,713. POWER CHAMBERS USED IN THE OPERATION OF POWER BRAKES ON VEHICLES AND STATIONARY MACHINERY. BESLER SYSTEMS, Emeryville, Calif.
Filed June 12, 1939. Serial No. 420,398. PUBLISHED OCTOBER 10, 1939. Class 23.

373,714. PREPARATIONS FOR TREATING THE SKIN AND CONDITIONING THE BEARD BEFORE SHAVING WITH AN ELECTRIC RAZOR, SUCH PREPARATIONS HAVING INCIDENTAL PROPERTIES AS A SKIN LOTION FOR USE AFTER SHAVING. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn.
Filed June 12, 1939. Serial No. 420,438. PUBLISHED OCTOBER 10, 1939. Class 4.

373,715. BRIDGE-LIKE STRUCTURE ADAPTED TO EXTEND ABOVE AND ACROSS A HIGHWAY ADJACENT A CREST, THE ELEVATED TRANSVERSE PORTION CONSISTING SUBSTANTIALLY OF A PRISMATIC LENS, ETC. TRAFFICSCOPE, INCORPORATED, Minneapolis, Minn.
Filed June 16, 1939. Serial No. 420,606. PUBLISHED OCTOBER 10, 1939. Class 26.

373,716. NUTS IN THEIR NATURAL STATE, SHELLED NUTS, SALTED NUTS, CANDIED NUTS, CANDY, POPCORN IN THE NATURAL STATE, POPPED POPCORN, ETC. HECK SPECIALTY COMPANY, Seattle, Wash.
Filed June 19, 1939. Serial No. 420,676. PUBLISHED OCTOBER 10, 1939. Class 46.

373,717. UNITARY ELECTRIC LIGHTING FIXTURES. GOODRICH ELECTRIC COMPANY, Chicago, Ill.
Filed June 21, 1939. Serial No. 420,758. PUBLISHED OCTOBER 10, 1939. Class 21.

373,718. MOVE-ABOUT CLOSET TYPE STANDS FOR USE AS BUFFET-SERVERS AND AS MERCHANDISE DEMONSTRATOR OR DISPLAY STANDS. J & J TOOL AND MACHINE COMPANY, doing business as Metal Arts Craftsmen, Chicago, Ill.
Filed July 5, 1939. Serial No. 421,289. PUBLISHED OCTOBER 10, 1939. Class 32.

373,719. COMPLETE SUNGLASSES AND SUNGLASS LENSES, AND LENSES FOR SPECTACLE USE ON PRESCRIPTION. SIMPSON-WALTHER LENS, INC., Rochester, N. Y.
Filed July 5, 1939. Serial No. 421,297. PUBLISHED OCTOBER 10, 1939. Class 26.

373,720. ELECTRICAL HEATING AND COOKING APPLIANCES—NAMELY, TOASTERS, HOT PLATES, SAD-IRONS, WAFFLE IRONS. THE NELSON MACHINE & MANUFACTURING CO., Cleveland, Ohio.
Filed July 6, 1939. Serial No. 421,316. PUBLISHED OCTOBER 10, 1939. Class 21.

373,721. LADIES' AND MISSES' SWEATERS, BATHING SUITS, AND SLACKS. CENTRAL KNITWEAR MILLS, INC., New York, N. Y.
Filed July 7, 1939. Serial No. 421,340. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,722. LIVING ROOM FURNITURE. MIDWEST FIBRE COMPANY, Sheboygan, Wis.
Filed July 7, 1939. Serial No. 421,350. PUBLISHED OCTOBER 10, 1939. Class 32.

373,723. PAINTS, VARNISHES, PAINT ENAMELS, AND THE LIKE, IN PASTE AND READY-MIXED FORM. TITANINE, INC., Union, N. J.
Filed July 27, 1939. Serial No. 422,026. PUBLISHED OCTOBER 10, 1939. Class 16.

373,724. DOLLS AND TOY FIGURES. WALT DISNEY PRODUCTIONS, Los Angeles, Calif.
Filed August 26, 1939. Serial No. 423,038. PUBLISHED OCTOBER 10, 1939. Class 22.

373,725. LUBRICATING OILS AND GREASES. BARTON-GRIMSLEY CORPORATION, Los Angeles, Calif.
Filed August 2, 1939. Serial No. 422,194. PUBLISHED OCTOBER 3, 1939. Class 15.

373,726. WOOLEN PIECE GOODS. FORSTMANN WOOLEN COMPANY, Passaic, N. J.
Filed August 2, 1939. Serial No. 422,206. PUBLISHED OCTOBER 10, 1939. Class 42.

373,727. TEA. ALBERT EHLERS, INC., Brooklyn, N. Y.
Filed August 3, 1939. Serial No. 422,240. PUBLISHED OCTOBER 10, 1939. Class 46.

373,728. EVAPORATED MILK. MORNING MILK COMPANY, Salt Lake City, Utah.
Filed July 7, 1939. Serial No. 421,351. PUBLISHED OCTOBER 10, 1939. Class 46.

373,729. CIGARETTE HOLDERS. JOSEPH H. MEYER BROTHERS, Brooklyn, N. Y.
Filed July 8, 1939. Serial No. 421,387. PUBLISHED OCTOBER 10, 1939. Class 8.

373,730. CANNED FISH. WESTGATE SEA PRODUCTS CO., San Diego, Calif.
Filed July 10, 1939. Serial No. 421,444. PUBLISHED OCTOBER 10, 1939. Class 46.

373,731. SORORITY BADGES, LAPEL BUTTONS; SCARF, LAPEL, AND BREAST PINS; CHARMS, FINGER RINGS, AND ORNAMENTAL SHIELDS, ALL OF PRECIOUS METAL. THE ALPHA IOTA SORORITY, Des Moines, Iowa.
Filed July 12, 1939. Serial No. 421,469. PUBLISHED SEPTEMBER 26, 1939. Class 28.

373,732. GARMENT HANGERS. CHARLES SADOWSKY, New York, N. Y.
Filed July 12, 1939. Serial No. 421,494. PUBLISHED OCTOBER 10, 1939. Class 50.

373,733. MATCHES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed July 13, 1939. Serial No. 421,543. PUBLISHED OCTOBER 10, 1939. Class 9.

373,734. WINES. ITALIAN SWISS COLONY, San Francisco, Calif.
Filed July 14, 1939. Serial No. 421,572. PUBLISHED OCTOBER 10, 1939. Class 47.

373,735. READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, AND THE LIKE, AND PARTICULARLY READY-MIXED ALUMINUM PAINT. TITANINE, INC., Union, N. J.
Filed July 15, 1939. Serial No. 421,626. PUBLISHED OCTOBER 10, 1939. Class 16.

373,736. MEN'S AND BOYS' OUTER SHIRTS. I. H. BARNETT, INC., New York, N. Y.
Filed July 17, 1939. Serial No. 421,631. PUBLISHED SEPTEMBER 26, 1939. Class 39.

373,737. PAPER VENEER TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed July 17, 1939. Serial No. 421,664. PUBLISHED OCTOBER 10, 1939. Class 37.

373,738. DRYING OILS FOR USE IN PAINTS, VARNISHES, ENAMELS, AND LACQUERS. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y.
Filed July 21, 1939. Serial No. 421,806. PUBLISHED OCTOBER 10, 1939. Class 16.

373,739. VENEERED DOORS AND PLYWOOD PANELS. UNITED STATES PLYWOOD CORPORATION, New York, N. Y.
Filed July 21, 1939. Serial No. 421,828. PUBLISHED SEPTEMBER 26, 1939. Class 12.

373,740. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. HERMIONE R. PALMER, doing business as Hermione, Berkeley, Calif.
Filed July 21, 1939. Serial No. 421,831. PUBLISHED OCTOBER 3, 1939. Class 28.

373,741. FERROUS METALS AND FERROUS METAL CASTINGS AND FORGINGS. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y.
Filed July 22, 1939. Serial No. 421,832. PUBLISHED OCTOBER 10, 1939. Class 14.

373,742. FERROUS METALS AND FERROUS METAL CASTINGS AND FORGINGS. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y.
Filed July 22, 1939. Serial No. 421,834. PUBLISHED OCTOBER 10, 1939. Class 14.

373,743. NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK. LEROY O. SCHNEEBERGER, doing business as Bubble Up Company, St. Louis, Mo.
Filed July 24, 1939. Serial No. 421,905. PUBLISHED OCTOBER 10, 1939. Class 45.

373,744. ENVELOPES. ISADORE MONTE SILVERBERG, doing business as The Arovelope Company, Chicago, Ill.
Filed July 24, 1939. Serial No. 421,907. PUBLISHED OCTOBER 10, 1939. Class 37.

373,745. ALUMINUM WARE—NAMELY, POTS, PANS, AND OTHER COOKING HOLLOW WARE. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed July 25, 1939. Serial No. 421,945. PUBLISHED OCTOBER 10, 1939. Class 13.

373,746. LUBRICATING OIL AND GASOLINE. MANNING MFG. CO., Rutland, Vt.
Filed July 26, 1939. Serial No. 421,975. PUBLISHED OCTOBER 3, 1939. Class 15.

373,747. SMOKING AND CHEWING TOBACCO. PENN TOBACCO COMPANY, Wilkes-Barre, Pa.
Filed August 3, 1939. Serial No. 422,255. PUBLISHED OCTOBER 10, 1939. Class 17.

373,748. LADIES' GIRDLES. JULIUS KAYSER & CO., New York, N. Y.
Filed August 5, 1939. Serial No. 422,330. PUBLISHED OCTOBER 3, 1939. Class 39.

373,749. PROPHYLACTIC ARTICLES OF RUBBER, ANIMAL TISSUE, OR THE LIKE FOR THE PREVENTION OF CONTAGIOUS DISEASES. JAMES P. ROBINSON, Tokyo, Japan, assignor to Robinson & Cohen, San Francisco, Calif., a copartnership.
Filed August 5, 1939. Serial No. 422,342. PUBLISHED OCTOBER 10, 1939. Class 44.

373,750. FABRICATED COMPRESSED INSULATION BOARD OR WALL BOARD. WEATHERBEST CORPORATION, North Tonawanda, N. Y.
Filed August 5, 1939. Serial No. 422,349. PUBLISHED SEPTEMBER 26, 1939. Class 12.

373,751. PAPER DOILIES, SHELF PAPERS, LACE PAPERS, SHELF LINING PAPERS, PAPER CHOP FRILLS, PAPER TOWELS, AND PAPER TABLECLOTHS. ROYAL LACE PAPER WORKS, Brooklyn, N. Y.
Filed August 10, 1939. Serial No. 422,487. PUBLISHED OCTOBER 10, 1939. Class 37.

373,752. MOTOR OIL, KEROSENE, FUEL OIL, LUBRICATING OILS, AND GREASES. THE OHIO OIL COMPANY, Findlay, Ohio.
Filed August 11, 1939. Serial No. 422,519. PUBLISHED OCTOBER 3, 1939. Class 15.

373,753. METALLIC TOOLS AND MACHINE ELEMENTS—NAMELY, DRILLS, REAMERS, MILLING CUTTERS, COUNTERBORES, HACKSAW BLADES FOR BOTH POWER AND HAND-SAWS, DIES, AND GEARS. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio.
Filed August 15, 1939. Serial No. 422,565. PUBLISHED OCTOBER 10, 1939. Class 23.

373,754. DENTURE BLANKS, DENTAL FORCEPS, STRIPS, CLEANING INSTRUMENTS, BASEPLATE WAX, IMPRESSION TRAYS, BURRS, ELEVATORS, CAVITY PREPARATION INSTRUMENTS, EXPLORERS, PLIERS, GUM SCISSORS, AMALGAM PLUGGERS, EXCAVATORS, AND HAND PIECES. BRIDGES DENTAL SUPPLY COMPANY, Denver, Colo.
Filed August 14, 1939. Serial No. 422,571. PUBLISHED OCTOBER 10, 1939. Class 44.

373,755. ANTIFRICTION COATING COMPOUNDS FOR METALS BEING EXTRUDED AND FOR MACHINE PARTS EMPLOYED IN FORMING METAL BODIES. HERMAN EPSTEIN, doing business as Steel Mills Compounds Company, Kansas City, Mo.
Filed August 14, 1939. Serial No. 422,583. PUBLISHED OCTOBER 3, 1939. Class 15.

373,756. COFFEE. EUGENE KRYWONOS, doing business as Polka Coffee Company, Chicago, Ill.
Filed August 14, 1939. Serial No. 422,588. PUBLISHED OCTOBER 10, 1939. Class 46.

373,757. ICE SKATES AND SKATE OUTFITS, THE LATTER CONSISTING OF ATTACHED SHOES AND SKATES. NESTOR JOHNSON MANUFACTURING COMPANY, Chicago, Ill.
Filed August 15, 1939. Serial No. 422,632. PUBLISHED OCTOBER 10, 1939. Class 22.

373,758. WHISKY. JOHN STEWART & Co. (EDINBURGH) LIMITED, Glasgow, Scotland.
Filed August 15, 1939. Serial No. 422,635. PUBLISHED OCTOBER 10, 1939. Class 49.

373,759. TOMATO CATSUP AND TOMATO JUICE. WINDSOR PRODUCTS COMPANY, INC., Bridgeton, N. J.
Filed August 15, 1939. Serial No. 422,646. PUBLISHED OCTOBER 10, 1939. Class 46.

373,760. MATTRESSES. CLEESCO BEDDING CO., San Francisco, Calif.
Filed August 16, 1939. Serial No. 422,656. PUBLISHED OCTOBER 10, 1939. Class 32.

373,761. KITCHEN FURNITURE—NAMELY, WALL CABINETS AND CUPBOARDS. THE I-XL FURNITURE CO. INC., Goshen, Ind.
Filed August 17, 1939. Serial No. 422,702. PUBLISHED OCTOBER 10, 1939. Class 32.

373,762. PLAYGROUND APPARATUS. LITCHFIELD MANUFACTURING COMPANY, Litchfield, Mich.
Filed August 21, 1939. Serial No. 422,821. PUBLISHED OCTOBER 10, 1939. Class 22.

373,763. BOWLING ALLEY TENPIN SETTERS. BERNARD A. BALL, doing business as Holmes & Gilfillan, Smethport, Pa.
Filed August 23, 1939. Serial No. 422,888. PUBLISHED OCTOBER 10, 1939. Class 22.

373,764. WHISKEY. G. F. HEUBLEIN & BRO., Hartford, Conn.
Filed August 24, 1939. Serial No. 422,933. PUBLISHED OCTOBER 10, 1939. Class 49.

373,765. COGNAC. UNION COOPERATIVE DE VITICULTEURS CHARENTAIS, Cognac, France.
Filed August 25, 1939. Serial No. 423,017. PUBLISHED OCTOBER 10, 1939. Class 49.

373,766. PREPARATIONS UTILIZED IN THE CARE AND MAINTENANCE OF SKIING EQUIPMENT—NAMELY, SKI WAXES, SKI VARNISHES, SKI OILS, ETC. CHEMURGIC CORPORATION, Richmond, Calif.
Filed August 26, 1939. Serial No. 423,023. PUBLISHED OCTOBER 10, 1939. Class 22.

373,767. GAME COMPRISING A GAME BOARD AND MOVABLE PLAYING PIECES TO BE USED ON SAID BOARD. THE VITRO AGATE COMPANY, Parkersburg, W. Va.
Filed August 29, 1939. Serial No. 423,119. PUBLISHED OCTOBER 10, 1939. Class 22.

373,768. PIN BALL GAME. HERO MANUFACTURING COMPANY, Middleboro, Mass.
Filed August 30, 1939. Serial No. 423,135. PUBLISHED OCTOBER 10, 1939. Class 22.

373,769. FURS, SKINS, HIDES, AND PELTS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed September 2, 1939. Serial No. 423,259. PUBLISHED OCTOBER 10, 1939. Class 1.

373,770. INSTRUMENTS AND APPLIANCES FOR TESTING THE HEARING AND FOR AIDING THE HARD-OF-HEARING TO HEAR. ALLEN HEMPEL, doing business as Telex Products Co., Minneapolis, Minn.
Filed September 2, 1939. Serial No. 423,265. PUBLISHED OCTOBER 10, 1939. Class 44.

373,771. BRANDY, WHISKEY, GIN, RUM, AND ALCOHOLIC CORDIALS. NUMBER ONE DISTILLING COMPANY, Philadelphia and Aladdin, Pa., and Lawrenceburg, Ind.
Filed September 7, 1939. Serial No. 423,384. PUBLISHED OCTOBER 10, 1939. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

373,772. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE SRDANOV, East Chicago, Ind. Filed July 20, 1936. Serial No. 381,228.



For Celery Juice.
Claims use since June 25, 1936.

373,773. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) ATLAS LEATHER COMPANY, Caseyville, Ill. Filed May 16, 1938. Serial No. 406,367.

OAK-TAN
LEATHER FIBRE

For Leather Fibre Sheets.
Claims use since 1931.

373,774. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Sept. 13, 1938. Serial No. 410,495.

SHERESPUN

For Piece Goods of Cotton, Rayon, and Combinations of Cotton and Rayon and of Silk and Rayon.
Claims use since Aug. 11, 1938.

373,775. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) AMERICAN NEPHELINE CORPORATION, Rochester, N. Y. Filed Sept. 16, 1938. Serial No. 410,630.

LAKEFIELD

For Feldspathic Material, Particularly Nepheline Syenite.
Claims use since Sept. 7, 1938.

373,776. (CLASS 39. CLOTHING.) FAED ALTSCHULER-PICARD, Lausanne, Switzerland, and New York, N. Y. Filed Sept. 20, 1938. Serial No. 410,764.

PICARD

For Women's and Girls' Dresses and Hats; Ladies' Underwear—Namely, Slips, Chemises, Brassières, Nightgowns, Pajamas; Men's, Women's, and Children's Jackets, Blouses, Ski Suits, Skating Suits, and Sport Suits; Men's, Women's, and Children's Dress Shoes, Ski Shoes and Boots, Slippers, Belts for Outer Wear, Scarfs, Neckties, Gloves Made of Leather, Fabric, and Leather and Fabric; and Men's and Women's Gym Suits.
Claims use since 1888.

373,777. (CLASS 39. CLOTHING.) SCHAINMAN SPORTWEAR CO., New York, N. Y. Filed Oct. 17, 1938. Serial No. 411,714.



For Men's, Women's, and Children's Clothing—Namely, Suits, Pants, Jackets, Caps, Sweaters, Scarfs, Slacks, Coats, Vests, Topcoats, Flying Suits, Outer Skirts, Bloomers, and Jerkins, Made of Various Fabrics and/or Leather.
Claims use since July, 1938.

373,778. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Oct. 27, 1938. Serial No. 412,093.

VERI-THIN

For Bracelets.
Claims use since Oct. 20, 1938.

373,779. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HENRY KELLY & SONS, INC., New York, N. Y. Filed Oct. 27, 1938. Serial No. 412,103.

Spalding's

For Whiskey.
Claims use since Oct. 14, 1938.

373,780. (CLASS 17. TOBACCO PRODUCTS.) THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Nov. 25, 1938. Serial No. 413,103.

YARDLEY

For Cigarettes.
Claims use since Nov. 2, 1938.

373,781. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUGUSTUS H. BELT, doing business as Steak-n-Shake, Bloomington, Ill. Filed Nov. 25, 1938. Serial No. 413,104.

STEAK-n-SHAKE

For Ground Meat Sandwiches, Mixed Ground Meat and Vegetable Sandwiches, Mixed Ground Meat and Cheese Sandwiches, and Malted Milk Shakes, and Milk Shakes.
Claims use since Feb. 1, 1936.

373,782. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GEMEX COMPANY, Newark, N. J. Filed Jan. 4, 1939. Serial No. 414,493.

METALEATHER

For Watch Bracelets, Watch Straps, Neck Chains, Watch Chains, Bracelets, Scarfpins, Finger Rings, Belt Buckles, Ear Ornaments, Hair Ornaments, and Chain Snaps, All of the Foregoing Articles Being Made in Whole or in Part of Precious Metal or Plated with the Same.
Claims use since Oct. 24, 1938.

373,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. F. DRAKE, Mercedes, Tex. Filed Mar. 11, 1939. Serial No. 416,951.

DONALD DRAKE

For Fresh Citrus Fruit, Fresh Vegetables, and Canned Citrus Fruit Juices for Food Purposes.
Claims use since Feb. 1, 1938.

373,784. (CLASS 17. TOBACCO PRODUCTS.) JOHN MIDDLETON, INC., Philadelphia, Pa. Filed May 8, 1939. Serial No. 419,212.

Variety Kit

For Smoking Tobacco.
Claims use since October, 1938.

373,785. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMSTOCK CANNING CORPORATION, Newark, N. Y. Filed June 5, 1939. Serial No. 420,167.



For Canned Beets.
Claims use since Oct. 28, 1938.

373,786. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) KRIKOR D. THOMASIAN, doing business as Thomas Radiator Mfg. Co., San Francisco, Calif. Filed June 19, 1939. Serial No. 420,699.

YUKON

For Radiators for Use in Cooling and Air Conditioning Equipment.
Claims use since Oct. 15, 1938.

373,787. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) INTERNATIONAL CHAIN & MANUFACTURING COMPANY, York, Pa. Filed July 6, 1939. Serial No. 421,307.

LUG-REINFORCED

For Chain.
Claims use since December, 1935.

373,788. (CLASS 38. PRINTS AND PUBLICATIONS.) KINSTON FREE PRESS COMPANY, INC., Kinston, N. C. Filed Aug. 10, 1939. Serial No. 422,477.

KINSTON DAILY FREE PRESS

For a Newspaper.
Claims use since Feb. 9, 1924.

373,789. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PHILIP R. MYERS, New York, N. Y. Filed Aug. 16, 1939. Serial No. 422,671.

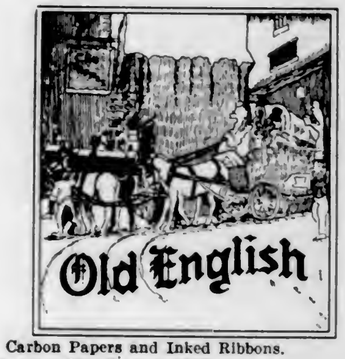
McKibbin's

IRISH WHISKY

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since December, 1933.

373,790. (CLASS 11. INKS AND INKING MATERIALS.) J. C. WATERS, doing business as Waters Manufacturing Co., Los Angeles, Calif. Filed October 14, 1939. Serial No. 424,570.

Register-Rite



For Carbon Papers and Inked Ribbons.
Claims use since Sept. 1, 1937.

TRADE-MARK REGISTRATIONS RENEWED

127,524. **RELIABLE.** VARNISH-BRUSHES. Registered November 11, 1919. UNITED BRUSH MANUFACTORIES, New York, N. Y., a corporation of New York. Renewed November 11, 1939.

127,526. **PERFECTION.** VARNISH AND PAINT BRUSHES AND BRUSHES USED AS SASH-TOOLS. Registered November 11, 1919. UNITED BRUSH MANUFACTORIES, New York, N. Y., a corporation of New York. Renewed November 11, 1939.

127,527. **CHAMPION.** BRUSHES USED AS SASH-TOOLS. Registered November 11, 1919. UNITED BRUSH MANUFACTORIES, New York, N. Y., a corporation of New York. Renewed November 11, 1939.

127,529. **RUBENS.** ARTISTS' BRUSHES. Registered November 11, 1919. UNITED BRUSH MANUFACTORIES, New York, N. Y., a corporation of New York. Renewed November 11, 1939.

127,623. **REVELATION.** CANDY. Registered November 18, 1919. JACOBS CANDY COMPANY, LTD. Renewed November 18, 1939, to Jacobs Candy Company, Inc., New Orleans, La., a corporation of Louisiana, assignee.

127,751. **FLORABELLA.** CANDY. Registered December 2, 1919. JACOBS CANDY COMPANY, LTD. Renewed December 2, 1939, to Jacobs Candy Company, Inc., New Orleans, La., a corporation of Louisiana, assignee.

127,766. **LUSTR-ITE.** CERTAIN NAMED TOILET PREPARATIONS. Registered December 2, 1919. THE LUSTR-ITE CORPORATION. Renewed December 2, 1939, to The Lustrite Corporation, Brooklyn, N. Y., a corporation of New York, assignee.

128,287. **RIPPLEKRAFT.** WRAPPING AND LINING PAPER. Registered January 6, 1920. ANGIER MECHANICAL LABORATORIES. Renewed January 6, 1940, to Angier Corporation, Framingham, Mass., a corporation of Massachusetts, assignee.

128,307. **BAUMANOMETER.** SPHYGMOMANOMETERS. Registered January 6, 1920. W. A. BAUM CO. INC., New York, N. Y., a corporation of New York. Renewed January 6, 1940.

128,581. **VV.** CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. Registered January 6, 1920. VIOLA V. N. WOODRUFF, Flushing, N. Y. Renewed January 6, 1940, to Henri Foods, Inc., Long Island City, N. Y., a corporation of New York, successor.

128,900. **COZY GLOW.** ELECTRIC HEATERS. Registered January 13, 1920. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa., a corporation of Pennsylvania. Renewed January 13, 1940.

128,920. **MECCA.** CIGARETTES. Registered January 20, 1920. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 20, 1940.

128,921. **KARNAK.** CIGARETTES AND SMOKING AND CHEWING TOBACCO. Registered January 20, 1920. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 20, 1940.

129,443. **COROL.** ANTIRUST SLUSHING COMPOUNDS. Registered February 24, 1920. COROL COMPANY. Renewed February 24, 1940, to The Simoniz Company, Chicago, Ill., a corporation of Delaware, successor.

129,547. **DRUM.** COFFEE. Registered February 24, 1920. WM. A. STEWART. Renewed February 24, 1940, to Stewart & Ashby Coffee Co., Chicago, Ill., a corporation of Illinois, assignee.

129,573. **PERMALAWN.** COTTON GOODS IN THE PIECE. Registered March 9, 1920. AMERICAN BLEACHED GOODS COMPANY, New York, N. Y., Chicago, Ill., and St. Louis, Mo. Renewed March 9, 1940, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

129,658. **BEAVER.** CARBON-PAPER. Registered March 9, 1920. THE M. B. COOK COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 9, 1940.

129,731. **GOODYEAR TRIANGLE.** HOUSE ORGANS ISSUED WEEKLY. Registered March 9, 1920. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed March 9, 1940.

129,936. **BRILLANTELA.** COTTON PIECE GOODS. Registered March 9, 1920. WILTON MANUFACTURING CO., INC. Renewed March 9, 1940, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

129,974. **AB.** CERTAIN NAMED IGNITION AND STARTING APPARATUS AND ELECTRIC-LIGHTING SYSTEMS AND PARTS THEREOF. Registered March 16, 1920. AMERICAN BOSCH MAGNETO CORPORATION. Renewed March 16, 1940, to American Bosch Corporation, Springfield, Mass., a corporation of New York, assignee.

130,027. **MASCOT.** PULVERIZED OR GROUND LIMESTONE. Registered April 6, 1920. AMERICAN LIMESTONE COMPANY, Mascot, Tenn., a corporation of Maine. Renewed April 6, 1940.

130,298. **FULCO.** SNAP-FASTENERS. Registered April 20, 1920. FULFORD MFG. CO., Providence, R. I., a corporation of Rhode Island. Renewed April 20, 1940.

130,313. **STA-TI.** NECKTIES. Registered April 20, 1920. GRANVILLE LLOYD HENDRIX, Santa Rosa, Calif. Renewed April 20, 1940, to Maurice L. Samter, San Francisco, Calif., assignee by mesne assignments.

130,437. **WALTHAM.** WATCH MATERIALS—NAMELY, ALL PARTS OF A WATCH—WATCHES, AND WATCHCASES. Registered April 20, 1920. WALTHAM WATCH COMPANY, Waltham, Mass., a corporation of Massachusetts. Renewed April 20, 1940.

130,440. **HONEY SWEETS.** CANNED CORN AND CANNED PEAS. Registered April 20, 1920. WATERLOO CANNING ASSOCIATION, Waterloo, Wis., a corporation of Wisconsin. Renewed April 20, 1940.

130,456. **PERFECTION.** HELICAL WIRE DOOR-SPRINGS. Registered April 27, 1920. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Hoboken, N. J. Renewed April 27, 1940, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey.

130,457. **DOS MUNDOS.** OVAL FENCE-WIRE AND WIRE FENCING. Registered April 27, 1920. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, a corporation of New Jersey. Renewed April 27, 1940.

130,594. **BULLY.** DRESSING TO BE USED ON LEATHER AND ARTICLES MADE THEREFROM. Registered April 27, 1920. WHITTEMORE BROS. CORP., Cambridge, Mass., a corporation of Massachusetts. Renewed April 27, 1940.

130,653. **RESISTEAT.** PROTECTING-TUBES FOR PYROMETERS. Registered May 4, 1920. THE BROWN INSTRUMENT COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 4, 1940.

130,700. **DIAMOND F.** PARCHMENTIZED FIBER, SHEETS, RODS, TUBES, AND DISKS. Registered May 4, 1920. DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa. Renewed May 4, 1940, to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware, assignee.

130,722. **TRIACUP.** TEAS. Registered May 4, 1920. GERTRUDE H. FORD TEA COMPANY, INC., New York, N. Y., a corporation of New York. Renewed May 4, 1940.

130,843. **TRANSIT.** CERTAIN NAMED PUMPS, CONDENSERS, ENGINES, COMPRESSORS, MACHINES, TONGS, WRENCHES, STOCKS, CUTTERS, AND DIES. Registered May 4, 1920. NATIONAL TRANSIT PUMP AND MACHINE COMPANY, Oil City, Pa., a corporation of Pennsylvania. Renewed May 4, 1940.

130,863. **REIGNSKIN.** SHOE FABRICS CONSISTING OF WATERPROOFED, REINFORCED, AND DECORATED COTTON CLOTH. Registered May 4, 1920. PETERS MANUFACTURING CO., Boston, Mass. Renewed May 4, 1940, to Peters Manufacturing Company, Wollaston, Mass., a corporation of Massachusetts.

130,972. **PREFERIT.** PLACKET-FASTENERS, GLOVE-FASTENERS, BUTTONS, SNAP-FASTENERS, AND CLASPS FOR PERSONAL WEAR. Registered May 4, 1920. WALDES & CO., Prague, Bohemia. Renewed May 4, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

130,973. **RIVAL.** PLACKET-FASTENERS, GLOVE-FASTENERS, BUTTONS, SNAP-FASTENERS, AND CLASPS FOR PERSONAL WEAR. Registered May 4, 1920. WALDES & CO., Prague, Bohemia. Renewed May 4, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

130,974. **INSPIRATION.** PLACKET-FASTENERS, GLOVE-FASTENERS, BUTTONS, SNAP-FASTENERS, AND CLASPS FOR PERSONAL WEAR. Registered May 4, 1920. WALDES & CO., Prague, Bohemia. Renewed May 4, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

131,056. **BRIDGEPORT.** CERTAIN NAMED INGOTS, RODS, TUBE-BLANKS, SHEETS, BILLETS, WIRE, AND CASTINGS. Registered May 4, 1920. BRIDGEPORT BRASS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed May 4, 1940.

131,178. **L, ETC.** CERTAIN NAMED MACHINERY. Registered May 4, 1920. LUMMUS COTTON GIN CO., Columbus, Ga., a corporation of Georgia. Renewed May 4, 1940.

131,238. **KIPPY.** BOOTS OR SHOES MADE WHOLLY OR IN PART OF LEATHER, RUBBER, OR TEXTILE MATERIAL. Registered May 4, 1920. SLATER & MORRILL, INCORPORATED. Renewed May 4, 1940. C. B. SLATER COMPANY, South Braintree, Mass., a corporation of Massachusetts, assignee.

131,263. **MASTER.** CERTAIN NAMED NOTIONS. Registered May 4, 1920. WALDES & CO., Prague, Bohemia. Renewed May 4, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

131,345. **COCK.** CERTAIN NAMED FRESH CITRUS FRUITS AND CERTAIN NAMED FRESH FRUITS. Registered May 11, 1920. LATIMER MAXCY. Renewed May 11, 1940. to L. Maxcy, Inc., Frostproof, Fla., a corporation of Florida, assignee.

LABELS

REGISTERED DECEMBER 19, 1939

54,033.—*Title:* NINETY-NINE DEPENDABLE GERMICIDAL SOLUTION. For Germicidal Solution. ALLIED CHEMICAL CO. INC., Seattle, Wash. Published September 4, 1939.

54,034.—*Title:* CHOWDER. For Chowder. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 17, 1938.

54,035.—*Title:* MISSION BELLE ICE CREAM. For Ice Cream. BEVERLY DAIRIES LTD., Los Angeles, Calif. Published September 26, 1939.

54,036.—*Title:* A FRIENDLY NEIGHBOR COFFEE. For Coffee. DIRECT SHIPPING CORPORATION, New York, N. Y. Published October 11, 1939.

54,037.—*Title:* BARNACLE BILL. For Canned Shrimp. C. A. GREINER, doing business as Gulf Packing Company, New Orleans, La. Published November 14, 1939.

54,038.—*Title:* BERKSHIRE. For Ale. OLD READING BREWERY, INC., Reading, Pa. Published November 14, 1939.

54,039.—*Title:* WHITEHALL. For Smoking Tobacco. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo. Published December 11, 1936.

PRINTS

REGISTERED DECEMBER 19, 1939

17,761.—*Title:* ACTION PICTURE SHOWING WHAT HAPPENS WHEN YOU EAT A PIECE OF MACFARLANE CANDY. For Candy. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published November 3, 1939.

17,762.—*Title:* YOU SHOULD HAVE HEARD THEM HOWL AND SQUAWK! (WHEN I BOOSTED THE PRICE TO 69¢). For Candy. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published November 10, 1939.

17,763.—*Title:* OIL OF LEMON. For Oil of Lemon. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published August 5, 1939.

17,764.—*Title:* DO YOUR CHRISTMAS SHOPPING EASY (BORDER OF HOLLY). For Whiskey. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Published October 27, 1939.

17,765.—*Title:* NUGRAPE. For a Soft Drink. NATIONAL NU-GRAPE COMPANY, Atlanta, Ga. Published July 28, 1939.

17,766.—*Title:* PARKER'S BLUE DIAMOND MARK MEANS YOU'LL NEVER AGAIN HAVE TO BUY A PEN. For Fountain Pens and Mechanical Pencils. THE PARKER PEN COMPANY, Janesville, Wis. Published November 11, 1939.

REISSUES

DECEMBER 19, 1939

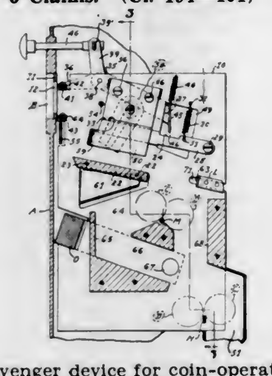
21,301

COIN SELECTOR FOR VENDING MACHINES

Benjamin W. Fry, University City, and John Gottfried, St. Louis, Mo., assignors to National Slug Rejectors, Inc., St. Louis, Mo., a corporation of Missouri

Original No. 2,094,788, dated October 5, 1937, Serial No. 79,409, May 13, 1936. Application for reissue August 28, 1939, Serial No. 292,340

6 Claims. (Cl. 194—101)



6. A scavenger device for coin-operated mechanisms, comprising a stationary plate, a movable plate, a lower coin runway mounted on said movable plate and, together with said movable and stationary plates, forming a coin raceway, a magnet mounted on said stationary plate above said coin runway and having its poles arranged to create a magnetic field across said coin raceway so that discs containing magnetic material will be attracted to and held within said magnetic field, a movable blade mounted on said stationary plate and arranged to move across said magnetic field and thereby remove any object lodged within said magnetic field, actuating means for said movable plate and said movable blade comprising an arm pivoted on the other side of said stationary plate from said movable plate, means for actuating said arm, said stationary plate having an opening therethrough near the end of said arm, and a projection on said arm extending through said opening and having portions engaging both said movable plate and said movable blade, said projection portions, upon actuation of said arm, engaging said movable plate to move it away from said stationary plate, thereby opening said raceway at the bottom thereof, and also engaging said movable blade to sweep it across said magnetic field.

21,302

PROCESS OF IMPROVING CARBON BLACK

Walther H. Grote, New York, N. Y., assignor to United Carbon Company, Inc., a corporation of Maryland

No Drawing. Original No. 2,066,274, dated December 29, 1936, Serial No. 707,417, January 19, 1934. Application for reissue September 27, 1937, Serial No. 165,944

7 Claims. (Cl. 134—60)

1. The process of improving carbon black by reducing the oil adsorption without substantially lowering the tinctorial value of the carbon black, which comprises subjecting the same to attrition in a non-oxidizing atmosphere at elevated temperatures.

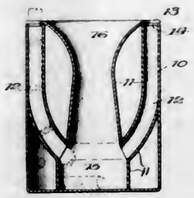
21,303

ASHTRAY AND CIGARETTE EXTINGUISHER

Ewing Harper, San Francisco, Calif.

Original No. 2,093,657, dated September 21, 1937, Serial No. 699,043, November 21, 1933. Application for reissue September 17, 1938, Serial No. 230,514

9 Claims. (Cl. 131—235)



1. In an article of the class described, the combination of inner and outer members, said outer member having a closed bottom and said inner member being loosely and removably supported in said outer member, portions of the walls of said members being spaced a fixed distance apart and forming restricted passages in which cigarettes are extinguished and held until advanced by a subsequently inserted cigarette and said inner member having an opening therein in which ashes may be deposited, the entire area of the bottom of the outer member being fully exposed when the inner member is removed.

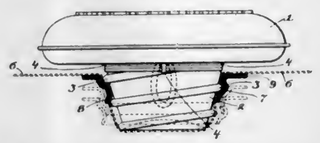
21,304

BUTTON FASTENER

Arthur Illsche, Rye, N. Y., assignor, by direct and mesne assignments, to Ardon Co., Inc., Wilmington, Del., a corporation of Delaware

Original No. 2,075,722, dated March 30, 1937, Serial No. 98,153, August 27, 1936. Application for reissue January 11, 1939, Serial No. 250,455

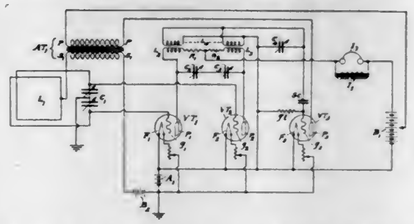
14 Claims. (Cl. 24—105)



11. A fastener for detachably securing a button, ornament or the like, comprising two separably engaged counterpart members adapted for use with materials of different thickness to which the fastener is removably attached by engaging the members thereof from opposite sides of the material without puncturing the same, one of the fastener members being of conical form terminating in a blunt end and threaded for engagement with its counterpart member, said counterpart member being relatively shallow and open at its smaller end and having a comple-

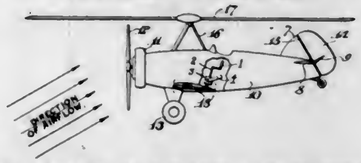
mentary internally threaded portion to engage the thread of the other member to a depth determined by the thickness of the material interposed between the members.

21,305
APPARATUS FOR AMPLIFYING ELECTRICAL CURRENTS
James E. Parker, Washington, D. C.
Original No. 1,672,037, dated June 5, 1928, Serial No. 698,680, March 12, 1924. Application for reissue May 28, 1930, Serial No. 456,741
20 Claims. (Cl. 250—20)



10. In a reflex circuit including a reflex coupling, means for eliminating the flow of high frequency currents between the points at which said coupling is connected to the high frequency circuit.

21,306
AIRCRAFT
Edward Burke Wilford, Merion, Pa.
Original No. 2,068,616, dated January 19, 1937, Serial No. 680,694, July 17, 1933. Application for reissue May 6, 1938, Serial No. 207,407
14 Claims. (Cl. 244—18)



1. In aircraft, a stationary wing system, a normally aerodynamically driven rotor of a substantially fixed coning angle in which part at least of the thrust load is carried by moments in the spars and in which the revolutionary speed varies as the load carried thereby relative to that of said fixed wing, the stationary wing system so set that the no-lift line thereof is angularly rearwardly divergent from the substantial plane of said rotor, the whole so constructed and arranged that when the craft is flow in its higher speed range a considerable portion of its load is carried on the fixed wing system and the rotor is at such an angle that the autorotative speed and hence the rotor drag is materially and safely reduced, and whereby efficient high speed flight is enhanced.

PLANT PATENTS

GRANTED DECEMBER 19, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

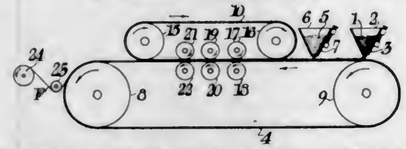
350
ROSE
Hendrikus Antonie Verschuren, Haps, near Uden, Netherlands, assignor to Henry A. Dreer, Incorporated, Philadelphia, Pa., a corporation of New Jersey
Application April 18, 1939, Serial No. 268,612
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose, characterized particularly by its free and vigorous growth, and its distinctive and brilliant two-toned blossoms having petals with their inner surface principally orange and their outer surface vivid yellow, substantially as shown and described.

PATENTS

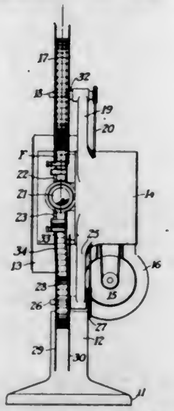
GRANTED DECEMBER 19, 1939

2,183,520
FILM FORMING PROCESS AND PRODUCT
Henry E. Van Derhoef, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 15, 1936, Serial No. 64,104
5 Claims. (Cl. 18—57)



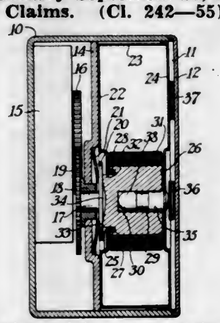
1. The process of making sheets or films having a surface to which a gelatin emulsion may be made to adhere without the use of substrata which comprises depositing an extremely thin discontinuous layer of finely divided water-soluble or water-swellable material on the surface of one of two parallel bands disposed in close proximity to one another and moving in the same direction, depositing over the first layer a layer of thermo-plastic cellulose derivative material in finely divided form and colloidizing the material into a sheet by applying thereto a progressively increasing pressure for a predetermined length of travel of the bands and at a temperature sufficient to colloidize the cellulose derivative.

2,183,521
MOTION PICTURE APPARATUS
Howard C. Wellman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 6, 1937, Serial No. 129,416
9 Claims. (Cl. 242—55)



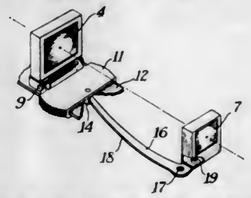
1. In a motion picture apparatus, a driven film supporting reel, a spindle on which said deel is mounted in a definite position, and driven film directing and feeding means rotatable about and concentric with an axis which is parallel to the axis of said spindle, said means being offset axially relative to said reel so as to direct a film strip at an angle onto said reel in said position.

2,183,522
ANTIFRICTION SUPPORT FOR A FILM HOLDER AND A DRIVING CLUTCH FOR MOTION PICTURE APPARATUS
Otto Wittel and Carter J. Hughey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 23, 1937, Serial No. 165,374
In Germany September 25, 1936
6 Claims. (Cl. 242—55)



1. In a motion picture apparatus, the combination with a supporting spindle having an antifriction end, and a film holder having on one end an engageable face, provided in its other end with an axial bore for fitting over said spindle, and having a flat wall closing the inner end of said bore, of a driving means including a rotatable driven part mounted for axial movement into driving engagement with the face on said film holder, axial movement of the film holder by said driving means being limited by the single point contact between the antifriction end of said spindle and the flat wall in said film holder.

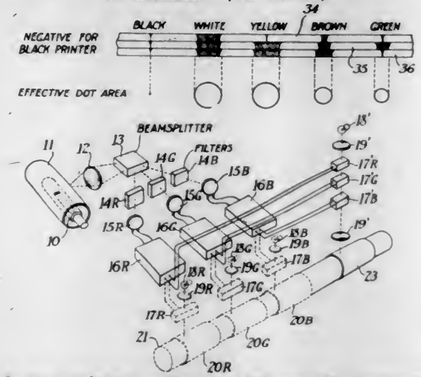
2,183,523
VIEW FINDER
Donald L. Wood, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 8, 1937, Serial No. 167,991
3 Claims. (Cl. 88—1.5)



1. A view finder system for viewing a subject and adapted to have an adjustable field of view to correspond to camera lenses of different focal lengths comprising two separately and axially movable dispersive components spaced between two fixed collective components, the front pair of collective and dispersive components forming a virtual image of the subject at a distance varying with the spacing between the two front components and the rear pair of components reimaging said virtual image to form another virtual image, and means controlling the spacing

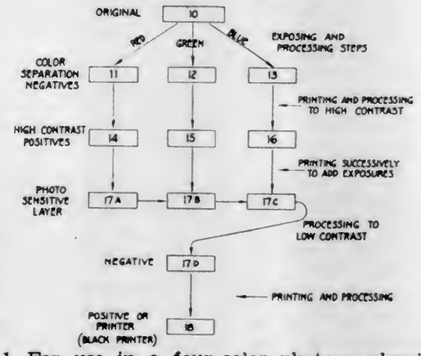
of the front pair of components and the spacing of the rear components in predetermined relation whereby said other virtual image remains at a fixed distance from the rear fixed component.

2,183,524
BLACK PRINTER FOR PHOTOMECHANICAL PROCESSES
John A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 22, 1937, Serial No. 138,351
13 Claims. (Cl. 95—2)



9. In a photomechanical process for reproducing a multicolored original, the method of making a black printer which comprises illuminating the original with white light comprising the three primary colors, exposing respectively to the three primary colors from the original, three photosensitive surfaces whose responses are directly in accordance with the intensities of the respective primary colors incident thereon, blocking the two lesser responses by the greatest of the three responses and forming at each point on the printer in accordance with the greatest response, a printing density proportional to the density of the corresponding point of the original with respect to the predominant primary color of that point of the original.

2,183,525
BLACK PRINTER
John A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 18, 1939, Serial No. 257,227
17 Claims. (Cl. 95—2)



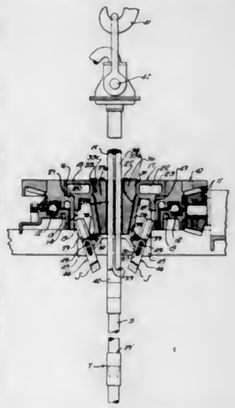
1. For use in a four-color photo-mechanical process corresponding to a three-color process in which the blue-green, magenta and yellow printers have respective printing transparencies at corresponding points with values Tbg, Tm, and Ty, a black printer whose printing transparency at each corresponding point is

$$\sqrt[N]{T_{bg}{}^N + T_{mN} + T_y{}^N}$$

when N is a number greater than 1.

16. In an electro-optical system carrying three primary color signals in separate channels for color reproducing, the method of making a black printer including the step of forming a black printer signal which step comprises amplifying an equal portion of each of the three primary color signals by an Nth power amplifier where N is a number greater than 1, adding the amplified signals linearly to form a combined signal and amplifying the combined signals by a 1/N power amplifier to give a black printer signal, the step of operating a light valve by this signal and the step of forming a black printer separation record in accordance with the response of the light valve.

2,183,526
ROTARY TABLE BUSHING AND MEANS FOR HANDLING SAME
Walter A. Abegg, Los Angeles, Calif., assignor of one-half to B. Reinhold, Los Angeles, Calif.
Application October 29, 1937, Serial No. 171,759
9 Claims. (Cl. 255—23)

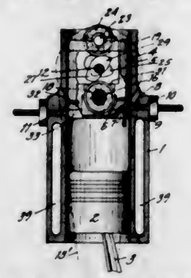


3. A bushing for the bore of a rotary table and embodying a body having a vertical bore adapted to take a pipe therethrough, and a pipe engaging member pivotally mounted on the body and movable pivotally upwardly from non-pipe-engaging position into pipe-engaging position.

2,183,527
INTERNAL COMBUSTION ENGINE
Frank C. Alarie, Miami, Fla.
Application August 16, 1937, Serial No. 159,224
12 Claims. (Cl. 123—78)

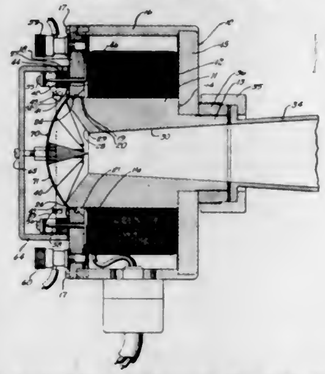
1. An internal combustion engine comprising a cylinder having a power piston therein and provided with a combustion chamber and inlet and exhaust port above said power piston, means for opening and closing said ports, and means for timing the operation of the inlet port opening

means so that said port is open to a substantial



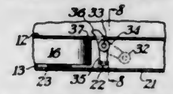
degree before fuel is drawn therethrough by the downward movement of the power piston.

2,183,528
LOUDSPEAKER
John F. Blackburn, Hollywood, Calif.
Application August 14, 1937, Serial No. 159,063
16 Claims. (Cl. 181—31)



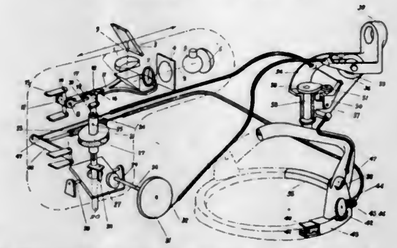
1. An acoustic transformer for use within a sound translating device having a dome shaped piston diaphragm and a converging sound channel leading from the concave side of said diaphragm to a constricted horn throat, comprising a device formed with a convex rear surface of substantially the same radius of curvature as said diaphragm mounted within said sound channel concentric with and closely adjacent to the concave surface of said diaphragm, the forward surface of said device sloping inwardly toward a central axis passing through the center of the diaphragm, and said device having a plurality of substantially radial sound duct slits disposed substantially at right angles to the diaphragm.

2,183,529
MAGAZINE EJECTORS
Henry N. Fairbanks, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 19, 1938, Serial No. 185,706
In Germany January 20, 1937
7 Claims. (Cl. 88—17)



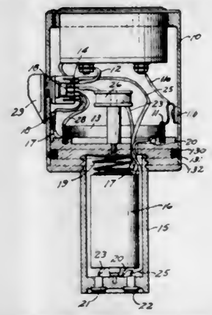
1. In a photographic apparatus of the magazine type, the combination with a casing providing a chamber in which a film magazine may be positioned, a cover associated with said casing for enclosing said chamber, and a locking means movably mounted on said casing, movable into a locking position to fasten said cover to said casing, and alternatively movable to an ejecting position, of an ejecting means connected to said locking means and movable thereby in said chamber into an operative position corresponding to the ejecting position of said locking means for displacing said magazine with respect to said chamber for removal therefrom.

2,183,530
SIGHTING APPARATUS WITH AUTOMATIC CORRECTION
Robert Alkan, Paris, France
Application January 26, 1937, Serial No. 122,464
In France February 7, 1936
17 Claims. (Cl. 33—49)



16. In combination with a universal gun mount carrying a gun for movement in elevation and in azimuth, sighting means for said gun comprising an optical system including a reticule, means for forming an image of said reticule in the field of view in which the target is observed, and means responsive to the movement of said gun in elevation and azimuth for moving said image in coordination with the movements of said gun.

2,183,531
pH METER
Donald K. Allison, Beverly Hills, Calif., assignor to National Technical Laboratories, Pasadena, Calif., a corporation of California
Application December 7, 1936, Serial No. 114,610
4 Claims. (Cl. 175—183)



1. A pH meter which includes: a housing and a head associated together and rotatable with respect to each other, the housing carrying one relatively movable part of a potentiometer and the head carrying the other relatively movable part of said potentiometer so that rotation of said housing and head with respect to each other will

vary the output of said potentiometer; a pair of terminals adapted to be connected to a pair of electrodes; a galvanometer; an electrical circuit connecting said potentiometer, galvanometer and terminals in such a manner that the output of said potentiometer can be balanced against the E. M. F. generated by said electrodes when they are in contact with a solution whose pH is to be measured; and means for determining said pH values as a function of the balanced output of said potentiometer.

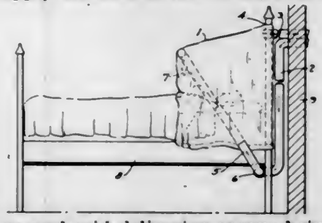
2,183,532
PREGUMMED HANGING PAPER
Hans F. Bauer, Chicago, Ill., assignor to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application January 23, 1939, Serial No. 252,457
9 Claims. (Cl. 91—68)



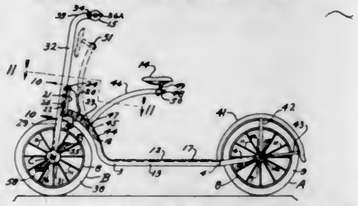
1. A pregummed wall-paper having a dried coating of adhesive thereon formed from a plurality of amylaceous substances, one of said substances being a substantially undegraded starch, substantially insoluble in water at 75° F. and the other of said amylaceous substances being a degraded amylaceous material having a fluidity from 6 seconds to 650 seconds, as determined by the low water absorptive capacity test herein described, and a solubility in water at 75° F. less than about 30%, the undegraded amylaceous substance being present in amounts within the range of about 5% to about 30% by weight of the total solids in said adhesive and in amounts corresponding to about 5% to about 50% by weight of the degraded amylaceous substance, said amylaceous substances being intimately dispersed with sodium acetate and urea, the total amount of urea and sodium acetate being not more than about 45% of the total solids, the minimum and maximum amounts of sodium acetate being 5% and 30%, respectively, and the minimum and maximum amounts of urea being about 5% and 40%, respectively on the basis of the total solids, said adhesive also containing a small amount of sulfonated oil on the basis of the normally solid ingredients.

2,183,533
VENTILATING MEANS FOR BEDS AND THE LIKE
Anthony C. Benedict, Rockville Centre, N. Y.
Application May 31, 1935, Serial No. 24,450
11 Claims. (Cl. 98—89)

9. Apparatus in combination with a bed or the like comprising mounting means attached to the head of the bed, an enclosure supported by said mounting means and enclosing a space about the head of the bed, means adjacent the head of the bed for delivering air to and removing it from said enclosure, said means communicating with an air supply exterior to the room, said mounting means and said delivering means being movably attached to the head of the bed and foldable to a collapsed position against said head when not in use, and said delivering means also serving to support the enclosure.



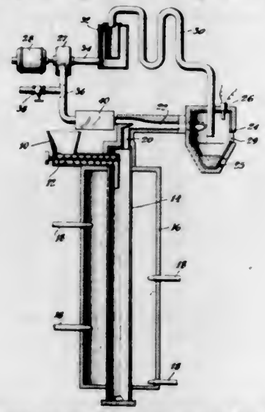
2,183,534
VEHICLE
Adler H. Bernier, Detroit, Mich.
Application April 3, 1937, Serial No. 134,848
2 Claims. (Cl. 280—87.04)



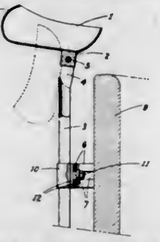
1. In a vehicle, the combination of a front wheel assembly, a rear wheel assembly, a steering means connected with said front wheel assembly, a platform supported by said rear wheel assembly and said steering means and provided with a portion extending substantially in a horizontal plane together with a front end portion extending upwardly adjacent and conforming to the shape of said front wheel assembly, a lever arm pivotally supported adjacent the end of said front end portion of said platform, said lever arm having a curved shape, and a seat member supported by said lever arm, said lever arm and said seat member being adapted to be pivotally moved adjacent said steering means, said lever arm having a concave surface extending substantially tangent to the rear surface of said front end portion of said platform when said lever arm and said seat member are adjacent said steering means to provide increased clearance space above said portion of said platform extending substantially in said horizontal plane together with symmetrical appearance of the vehicle.

2,183,535
RECOVERING ZINC
Jesse O. Betterton, Metuchen, and Melville F. Perkins, Elizabeth, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application February 18, 1938, Serial No. 191,144
2 Claims. (Cl. 75—26)

2. The process for producing zinc which consists in subjecting a charge comprising zinc oxide and carbonaceous reducing agent to a flash reduction, directly intermixing the gaseous products of reduction containing the zinc vapor with a cold stream of carbon monoxide gas without prior conditioning of the former thereby to immediately quench the zinc vapor to a temperature at which reactions conducive to zinc reoxidation proceed only at harmless rates, and recovering zinc from the quenched vapor.



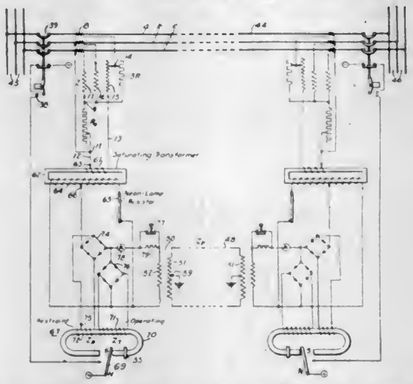
2,183,536
TRAY UNIT FOR BEAUTY PARLOR CHAIRS
John A. Borges, Newman, Calif.
Application September 12, 1938, Serial No. 229,517
3 Claims. (Cl. 155—123)



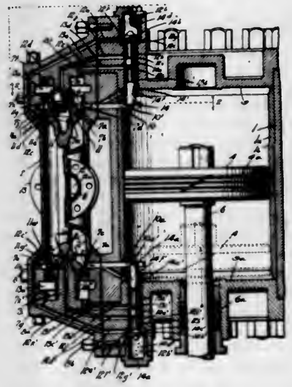
1. A tray unit for a beauty parlor chair, said unit comprising a tray, a supporting member depending from the tray, a mounting bar adapted for connection with the back of the chair, in spaced relation thereto, said bar being slotted lengthwise, a yoke, elements securing the yoke on the bar and slidably engaging in the slot, the tray supporting member being frictionally engaged between the yoke and bar whereby to yieldably maintain the member in any selected vertical position.

2,183,537
PILOT WIRE RELAYING
Myron A. Bostwick, Budd Lake, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 3, 1938, Serial No. 182,980
9 Claims. (Cl. 175—294)

1. A voltage-transforming device comprising means for providing an input-circuit subjected to a variable alternating voltage, means for providing an output-circuit for supplying an altered voltage, and voltage-modifying means for connecting said input- and output-circuits, said voltage-modifying means comprising a saturating inductance device for producing, from said input-voltage, a peaked voltage-wave of limited magnitude, in combination with a parallel-connected space-current discharge-device for reducing the peak in the output voltage-wave.

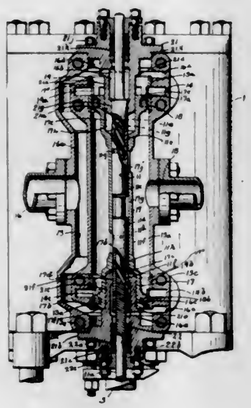


2,183,538
EXPANSIVE FLUID-ACTUATED PILOT-CONTROLLED VALVE MECHANISM FOR MOTORS OF RECIPROCATING PUMPS
Frank David Butler, United States Navy
Application January 21, 1938, Serial No. 186,058
8 Claims. (Cl. 121—157)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a motor for a pump having a cylinder containing a reciprocable piston member actuated within the cylinder by expansive fluid, a valve chest extending parallel to and secured to the cylinder, said chest having a cylindrically shaped bore, a main valve member slidably mounted in said bore of said valve chest to control the supply and exhaust of the expansive fluid to actuate the piston in the cylinder, said main valve member having a pair of cylindrically shaped recesses, one in each outer end thereof, said recesses forming the actuating motor cylinders therefor, each of said recesses having two diametrical sizes, a pair of covers, one for each end of said valve chest bore, and an inwardly extending projection on each cover having a slidable fit to the two sizes of its mate recess in the end of said main valve member, said projections providing the sole supporting means for said main valve member centrally within the bore of said valve chest.

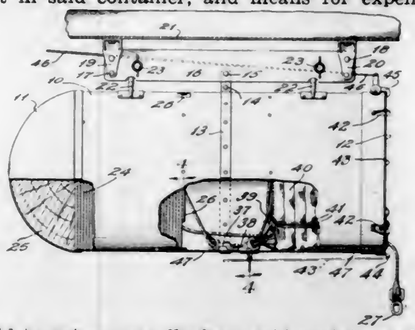
2,183,539
VALVE MECHANISM FOR MOTORS OF PUMPS
Frank David Butler, United States Navy
Application January 21, 1938, Serial No. 186,250
5 Claims. (Cl. 121—157)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an expansive fluid actuated, pilot controlled valve mechanism for a motor cylinder, a valve chest and a valve chest bore, said valve chest adjoining said motor cylinder, an elongated spool shaped expansive fluid actuated main valve controlling the actuating expansive fluid supply to and exhaust from the motor cylinder, a pair of annular shaped chambers, one adjoining each end of said main valve and both being of appreciably smaller outside diameter than the spool portions thereof providing motor cylinders for actuating said main valve, a cylindrical shaped pilot valve slidably mounted centrally within said main valve, said pilot valve having a plurality of valve ports extending diagonally therethrough to intermittently and alternately control the expansive fluid supply to and exhaust from each of said main valve actuating motor cylinders, and cooperative means between said main valve and said valve ports in said pilot valve forming dashpot cushioning chambers of said main valve motor actuating cylinders to cushion said main valve at the ends of its actuated stroke travel.

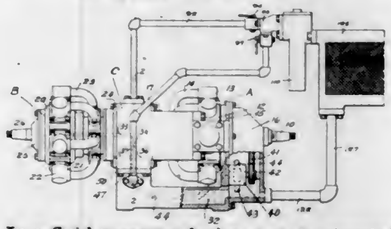
2,183,540
TARGET TOWING DEVICE
Dwayne H. Campbell and Harold H. England, United States Navy
Application December 20, 1938, Serial No. 246,786
7 Claims. (Cl. 273—105.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Aircraft target towing device comprising a cylindrical container adapted to be secured horizontally to the under rigging of an aircraft and within the slipstream thereof, a coil of line disposed in the forward end of said container and having one end thereof fixed with respect to said aircraft, a flexible target folded into the rear end of said container and fixed to the other end of said line, means for releasably retaining said target in said container, and means for expelling



said target rearwardly from said container when said retaining means is released.

2,183,541
FLUID PRESSURE POWER SYSTEM
Hugo A. Centervall, Brooklyn, N. Y., assignor to Manly Corporation, New York, N. Y., a corporation of Delaware
Application February 13, 1936, Serial No. 63,712
20 Claims. (Cl. 60—53)

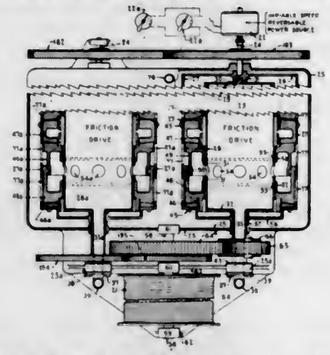


1. In a fluid pressure device, a main circulatory system having two portions either of which may be a high pressure portion and the other of which will then be a low pressure portion, closable means for the admission of fluid in each of said portions, closable means for the escape of fluid in each of said portions, an auxiliary circulatory system connected with each of said admission and exhaust means and means for automatically opening the admission and exhaust means connecting said auxiliary circulatory system with whichever of said portions of said main circulatory system is at that time the low pressure portion.

2,183,542
HOISTING APPARATUS
Allan J. Chantry, United States Navy
Application October 4, 1935, Serial No. 43,558
20 Claims. (Cl. 254—173)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

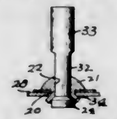
1. In a hoisting apparatus, the combination of hoisting means including an element adapted to be connected to the object to be hoisted, said object being liable to impairment due to shock incident to sudden motion, the support of said object being subject to sudden variable movement coincident with the direction of hoist, a source of power, means having juxtaposed friction surfaces for drivingly connecting the hoisting means and said source of power, means for applying power from said source to the friction surfaces in the direction of hoist, means for contacting said friction surfaces with forces of different

magnitude, one of which forces when applied to said friction surfaces being sufficient only to maintain the element of the hoisting means free from objectionable slack while admitting of movement of said element by a part of the force of gravity of the object in an opposite direction and against



the force of said applied power to compensate for such movement of the support, the second of said forces contacting said friction surfaces being of such magnitude as to afford sufficient friction to hoist the object, and means for increasing the magnitude of said power for hoisting the object.

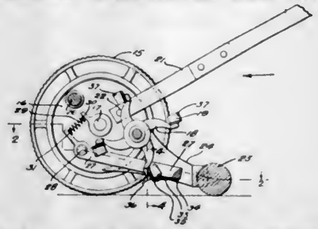
2,183,543
RIVET AND METHOD OF APPLYING THE SAME
Carl W. Cherry, Carmel, Calif.
Application June 21, 1937, Serial No. 149,331
5 Claims. (Cl. 218—29)



4. The method of riveting which consists in providing a rivet having an aperture through from its head to its tail, slidably assembling a tension member through said rivet, said tension member having a fixed former head thereon for forming a head on the tail end of the rivet, forming an engagement head on the tension member outside of the head of the rivet, introducing the rivet and its tension member together through an opening in a structure with a portion of the rivet and tension member extending beyond both sides of the structure, applying an axial force to the engagement head of the tension member and also applying a reactionary axial force simultaneously and continuously to the head of the rivet until after a rivet head is completely formed at the tail end of the rivet and the rivet is secured to said structure.

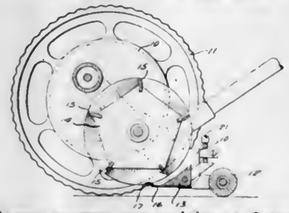
2,183,544
SHEARING DEVICE
Richard D. Clemson, Middletown, N. Y., assignor to Clemson Bros., Inc., Middletown, N. Y., a corporation of New York
Application December 4, 1935, Serial No. 52,757
11 Claims. (Cl. 56—294)

5. A rotary reel mower which comprises cooperating shear blades, a reel on which at least one of said blades is mounted, rotatably positioned relative to another of said blades so that their edges are adapted progressively to cross one another at a shearing angle as rotation of the reel occurs, driving means for rotating said reel adapted to transmit a limited torque thereto, means for resiliently mounting one of said blades pressed into shearing relation to the other, said mounting means having such elasticity as to permit its yielding under normal conditions of use without permanent deformation, but having a load-deflection characteristic such that elastic



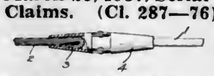
deformation results in greatly increasing the resistance to the driving torque so that such resistance overbalances the limited driving torque before permanent deformation of either shear blade or said mounting means occurs, and means for holding off the part of the resiliently mounted shear blade which first meets its cooperating blade until the edges of said blades have crossed.

2,183,545
MOWER
Richard D. Clemson, Middletown, N. Y., assignor to Clemson Bros., Inc., Middletown, N. Y., a corporation of New York
Application June 18, 1937, Serial No. 148,837
8 Claims. (Cl. 56—294)



1. A lawn mower comprising a frame, a rotating reel mounted thereon and having spiral fly knives, and a bed knife; and which is characterized by its bed knife comprising a resilient metal strip secured to a longitudinally rigid frame member at a distance from the reel, said strip being resiliently flexible away from and toward the reel with an amplitude more than twice its thickness but having a lip adjacent its shearing edge which is adapted to render said edge inflexible.

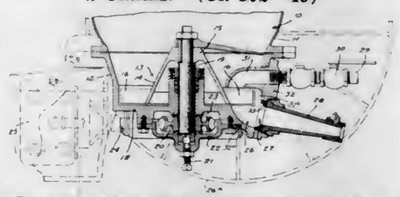
2,183,546
COUPLING
Robert D. Colgrove, Los Angeles, Calif., assignor to John Thorne Lane, Los Angeles, Calif.
Application March 26, 1937, Serial No. 133,206
2 Claims. (Cl. 287—76)



1. A coupling for cable ends comprising two members and two hinge pins, each member consisting of a conically perforated body portion from which extend two identical parallel perforated lips, one lip being in line with the body outer surface and the other being set in substantially the thickness of the lip, the two members

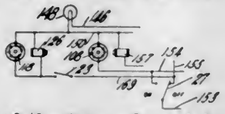
being assembled by placing their lips side by side, one of the hinge pins being rotatably fixed in the perforations of each pair of adjoining lips, the space between the pairs of lips being unobstructed.

2,183,547
APPARATUS FOR PLACING CEMENTITIOUS MATERIAL
Bryan C. Collier, Allentown, Pa., assignor to Cement Gun Company, a corporation of Delaware
Application Ocotber 26, 1938, Serial No. 237,073
2 Claims. (Cl. 302—49)



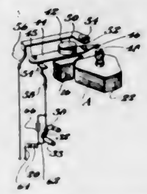
1. In apparatus of the class described, a feed wheel having a central portion with a conical exterior, and blades projecting radially from the lower part of said conical exterior to provide a plurality of circumferentially arranged pockets, a receptacle into the lower part of which said feed wheel fits so that said pockets are normally closed at their outer sides and bottoms, a compressed air duct with a downwardly directed outlet immediately above the level of the tops of said pockets so that the pockets may be brought in succession into registry therewith, and a discharge duct in the bottom of said receptacle and comprising a passage with an entrance immediately beneath the outlet of the compressed air duct and a discharge end below the general level of the pockets directing the flow smoothly to said discharge end, and a gasket, at said discharge end, having a conical passage therethrough to contract the cross section of the stream passing therethrough.

2,183,548
TIMING DEVICE
Wilbur C. Crisp and William E. Barnes, Little Falls, N. Y.
Application August 16, 1935, Serial No. 36,532
9 Claims. (Cl. 161—17)



7. A timer of the type adapted for the timing of games and contests which comprises a spectator's clock having visual time indicating means and a synchronous motor for operating it to indicate the passage of time from a starting position, a monitor unit disposed at a substantial distance from the spectator's clock and having visual time indicating means and a synchronous motor for operating it to indicate also the passage of time, a source of alternating current, circuit means from said source for operating and stopping said motors in unison, a magnetic brake operable on the rotor of each motor to stop its operation and prevent drift of said rotors, a circuit also from said source for the brakes of both motors, a switch controlling said motors and said brakes and causing operation of said motors when in "on" position and stopping said motors and causing operation of said brakes when in "off" position, a resetting motor at said spectator's clock, automatic means for coupling said resetting motor to the time indicating means of said spectator's clock whenever said resetting motor is rendered operative, and a circuit including said source of current, a switch at said monitor unit and said switch for said synchronous motors for controlling the activity of said resetting motor, said switches in said last named circuit being in series with one another and connected to close the circuit to said resetting motor solely while said synchronous motor switch is in said "off" position.

2,183,549
ELECTRIC MOTOR
Godfrey Dalkowitz, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application October 26, 1936, Serial No. 107,544
17 Claims. (Cl. 172—36)



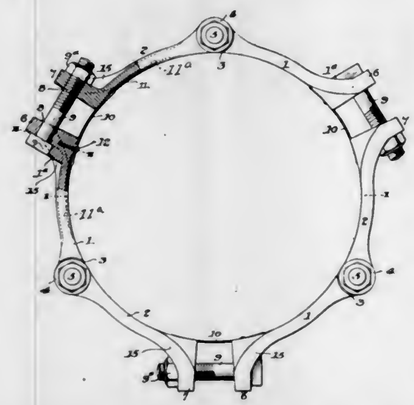
1. In a starter for a magnetic motor, means for bringing the armature shaft into a starting position, said means comprising a multiple V-shaped cam surface on the armature shaft of the motor, with the bottom of each V thereof substantially in radial alignment with the median radial line of each pole of the armature, a circuit make-and-break device for causing the intermittent energization of the field of said motor, and means for timing the initial point of each circuit closing interval of said make-and-break device to correspond with a starting position of the armature, and a movable member for closing and opening the field circuit of the motor in series with said make-and-break device, said member being adapted to return automatically to a circuit closing position, and said member having portions thereof adapted to cooperate with said cam surface so that when it is moved away from its circuit closing position it may move into one of said V's and move said armature shaft and armature into a starting position.

2,183,550
ELECTRICAL CONDENSER
Arnold Deutschmann, Boston, Mass., assignor to Tobe Deutschmann Corporation, Canton, Mass., a corporation of Delaware
Application July 24, 1931, Serial No. 552,985
3 Claims. (Cl. 175—41)



1. The method of finishing paper electrical condensers in which the condenser is made of wound rolls of sheets of metal foil and paper dielectric or the like which comprises dipping the wound condenser in an impregnating wax, removing the condenser after impregnation and allowing it to dry, placing a flexible wrapper about the condenser, said wrapper having an offset to space it away from the condenser side and having a wall extending beyond the condenser ends, and filling first one end with wax applied at a temperature higher than the melting point of the wax used in the dipping and allowing said wax to flow down around the side of the condenser between the sides and the wrapper and then filling the other end after the first end has congealed and in the same manner allowing the wax to flow down around the side.

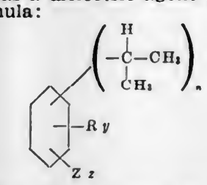
2,183,551
HOSE CLAMP
Alfred L. Dold, Drexel Hill, Pa.
Application July 22, 1936, Serial No. 91,944
2 Claims. (Cl. 24—19)



2. Flexible clamping means for complete encirclement of hose sections and the like, comprising a plurality of sets of independent and independently operable hinged elements of uniform size; each of said hinged elements consisting of a pair of members of arcuate contour and of substantially similar shape with one end of each member of the hinged elements in pivotal engagement with the end of an adjacent member and the opposite end of each member terminating in an outwardly-arranged substantially radial apertured flange for disposal in spaced relationship with respect to the substantially similar flange of an adjacent member, bolts connecting said flanged ends, and arcuate members bridging the gaps between the adjacent flanged ends of the members of the hinged clamping elements and permanently connected to one of said members; each of said members being internally recessed longitudinally of same to collectively provide space for the reception of said arcuate members.

2,183,552
ALKYLATED POLY-ISOPROPYL HALO-BENZENES
Robert R. Dreisbach and George Beal Heusted, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 15, 1937, Serial No. 130,895
2 Claims. (Cl. 260—650)

1. A liquid alkylated polyisopropyl-halobenzene useful as a dielectric agent and having the generic formula:

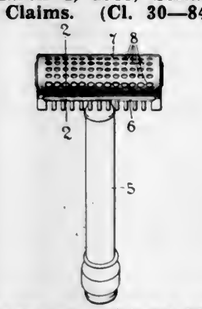


wherein R is an alkyl group other than the isopropyl group, Z is a halogen, n is an integer not less than 3 nor more than 4, and y and z are integers not greater than 2 and the sum of which is not greater than 3.

2,183,553
METHOD OF TESTING TUBERS FOR VIRUS INFECTION
Franz Erich Eidmann, Eberswalde, near Berlin, Germany
No Drawing. Application January 23, 1939, Serial No. 252,508. In Germany January 28, 1938
6 Claims. (Cl. 23—230)

1. A method of testing and segregating diseased from sound tuber-seedlings which comprises the steps of steeping longitudinal slices from the body of the tuber, immersing the same in an aqueous solution of a salt of selenious acid at least until a maximum red coloration is attained, noting the difference in coloration of the different specimens, further subjecting the slicings to the action of the solution to note further differentiation in color reaction, and then identifying and separating the specimens showing a grey discoloration from those retaining the original red coloration.

2,183,554
SAFETY RAZOR
James C. Evans, East Aurora, N. Y.
Application March 4, 1938, Serial No. 193,973
3 Claims. (Cl. 30—84)

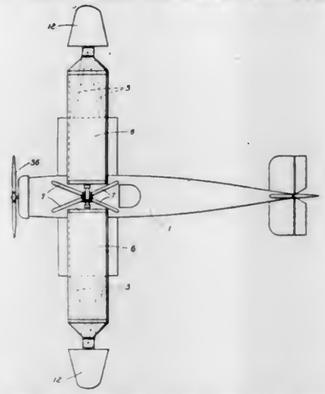


1. A safety razor comprising a blade, a cap on the face contacting side of said blade, and a series of capillary depressions on the face contacting side of said cap, said depressions being laterally closed on all sides.

2,183,555
AIRCRAFT
Delmer S. Fahrney, United States Navy
Application September 18, 1937, Serial No. 164,489
5 Claims. (Cl. 244—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an aircraft, an auto-rotative wing structure comprising at least one lifting unit mounted

for rotation about an axis longitudinally thereof, said unit including a plurality of airfoils positioned about said axis of rotation, the leading edge of each airfoil following the trailing edge



of the next preceding airfoil in the direction of rotation of the unit and the outer surfaces of said airfoils conforming substantially to the surface of a cylinder the axis of which substantially coincides with the aforesaid axis of rotation.

2,183,556

HALOGENATED SOLID ETHYLENE POLYMER

Eric William Fawcett, Northwich, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 10, 1937, Serial No. 163,326. In Great Britain September 11, 1936

17 Claims. (Cl. 260—94)

1. The halogenated product obtained by halogenating a polymer of ethylene which is a solid at normal temperatures, has a melting point within the range of 100° to 120° C., has a molecular weight in excess of 2000, and corresponds in composition substantially to $(CH_2)_x$.

2,183,557

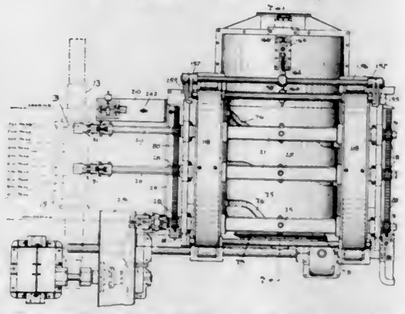
APPARATUS FOR MAKING ROLL-FORGED ARTICLES

John F. Ferm, Midland, Pa., assignor to Mid-West Forge Company, Cleveland, Ohio, a corporation of Ohio

Application September 22, 1936, Serial No. 102,008

Renewed March 17, 1939

27 Claims. (Cl. 80—26)



1. In combination with a mill for roll-forging bar blanks, said mill including a pair of cooperating dies providing a plurality of passes, a spindle provided with a blank-holding chuck arranged to be successively aligned with each of said passes, means for moving said spindle transversely of said passes, and means independent of said last-named means for returning the spindle to its initial position after said transverse movement is completed.

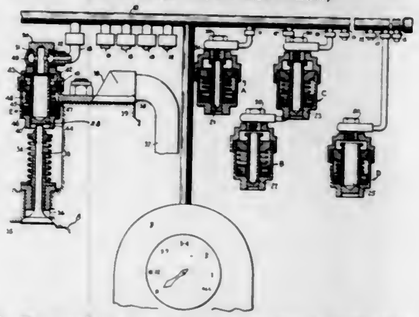
2,183,558

DECOMPRESSION DEVICE

Edwin H. Godfrey, Wenonah, N. J., assignor to Godfrey Manufacturing Corporation, New Brunswick, N. J., a corporation of New Jersey

Application March 6, 1937, Serial No. 129,486

18 Claims. (Cl. 123—182)



1. In combination with an internal combustion engine, and with valves on two cylinders of said engine connecting the chambers of said cylinders with the atmosphere, a fluid pressure controlled decompressor on each of said valves, each decompressor opening or closing the respective valve when actuated or released, respectively, a control device for regulating the flow of a pressure fluid, fluid conduit means connecting said decompressors with said control device, and means on said device for releasing one of said decompressors at will after the other.

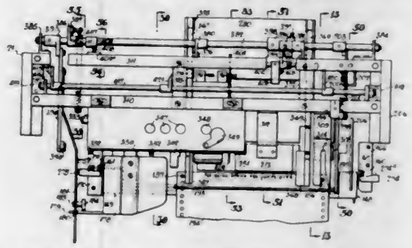
2,183,559

TRANSMITTING APPARATUS

Buford L. Green, Charlotte, N. C.

Application January 10, 1935, Serial No. 1,148

52 Claims. (Cl. 178—17)



1. Apparatus for transmitting electrical impulses for actuation of a character reproducing machine having shift and unshift mechanisms, a control record having control areas thereon, and each area having a plurality of sections, some sections differing from the others in their controlling properties, means for scanning the sections, means controlled by said scanning operation to actuate the character reproducing machine, means controlled by the scanning means upon the scanning of an area having a predetermined one of its sections alone exercising control over the scanning means for reproducing a character in the character reproducing machine, and means controlled by the scanning means upon the scanning of an area having said predetermined section and at least one other section jointly exercising control over the scanning means for actuating the shift mechanism of the character reproducing machine and then transmitting impulses to cause the reproducing machine to print a character.

2,183,560

PUMPING SYSTEM

Arnold M. Gurley and James M. Gurley, Fort Worth, Tex.

Application April 7, 1938, Serial No. 200,763

4 Claims. (Cl. 103—44)



1. In a pumping system of the type wherein a fluid pressure pump of the reciprocating plunger type is provided with two lines leading thereto and adapted to alternately supply pressure fluid to said pump and withdraw fluid which has been acted on by the pump plunger, and valve means are provided for alternately connecting one of said pipes to a source of pressure and the other to a discharge line; means, for shifting the valve at the end of each stroke of the pump plunger, automatically initiated by the back pressure developed at the end of the plunger stroke, said means comprising a continuously rotating power wheel, a valve control wheel having a pitman connecting the same to said valve for rotating the same, and means actuated by the back pressure built up in one or the other of said pump lines at the end of each plunger stroke for automatically connecting said valve control wheel to said power wheel, and mechanical means for disengaging the valve control wheel when the valve has reached the position to permit pressure fluid to be supplied to the second of the pump lines.

2,183,561

MECHANICAL FOAM GENERATOR

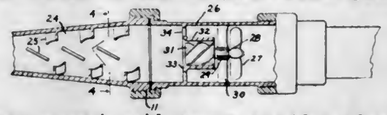
Clyde M. Hamblin, Washington, D. C.

Application March 17, 1938, Serial No. 196,411

6 Claims. (Cl. 261—76)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An apparatus for the production of fire extinguishing foam comprising a tube having an entrance end and an exit end, a conduit for quenching liquid connected to the entrance end of the tube, a foam promoting agent reservoir, said reservoir being connected to discharge into said tube, said tube having means for gas to enter therein, means in said tube to produce a turbulent mixture of the gas, foam producing agent and quenching liquid, said turbulent mixture producing means comprising a plurality of disconnected staggered vanes extending inwardly from the outlet side of said tube, a restricted passage,



a worm screw in said passage, a spider, a bearing in said spider, a shaft journaled in said bearing, said worm screw being mounted on said shaft at one end thereof and extending into said restricted passage, and a mixing wheel of a substantially greater diameter than said worm screw mounted at the other end of said shaft within said tube to beat the turbulent mixture into a foam.

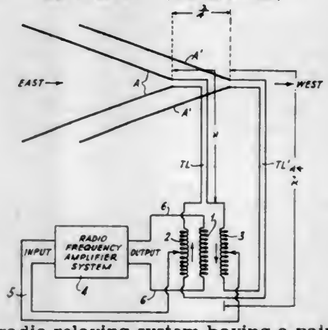
2,183,562

RADIO RELAYING SYSTEM

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 1, 1938, Serial No. 199,420

13 Claims. (Cl. 250—15)



1. A radio relaying system having a pair of antennas spaced apart from one another in the direction of transmission by an odd multiple of one-quarter the length of the operating wave, an amplifier, and individual transmission lines extending from said antennas toward said amplifier, said lines differing from each other by an odd multiple of one-quarter the length of the operating wave, and means for coupling the input of said amplifier to said transmission lines in like polarity and the output of said amplifier to said lines in unlike polarity.

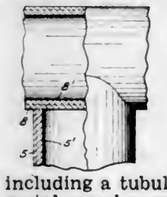
2,183,563

FABRICATED STRUCTURE

Kenneth V. Hart, Cleveland, Ohio

Application August 26, 1937, Serial No. 161,072

5 Claims. (Cl. 287—54)



1. A structure including a tubular metal member, an opposed metal member and a resistance

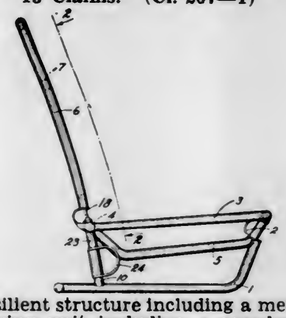
surface weld uniting an end of said tubular member to said opposed member, said weld being characterized by the absence of material flash metal extending beyond the outer surface of said end of said tubular member and by the heat lines being disposed a distance away from the weld line less than approximately one-half of the wall thickness of the tubular member adjacent the weld.

2,183,564

FABRICATED SPRING STRUCTURE AND METHOD OF MAKING SAME

Kenneth V. Hart, Cleveland, Ohio

Application August 26, 1937, Serial No. 161,073
13 Claims. (Cl. 267—1)



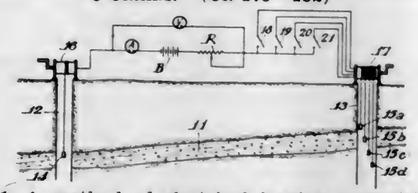
1. A resilient structure including a metal member, a spring unit including a member having spring characteristics and an annular resistance surface weld uniting said unit and said metal member, the effect of the heat of welding being insufficient to affect materially the spring characteristics of said unit.

2,183,565

TWO-WELL METHOD OF ELECTRICAL LOGGING AND APPARATUS THEREFOR

Paul F. Hawley, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application May 27, 1938, Serial No. 210,458
6 Claims. (Cl. 175—182)



1. A method of electrical logging comprising establishing a current flow between a point in one well and a point in another well, and adjusting the vertical position of at least one of said points while measuring the current flow through a circuit including said points and the geological stratum or strata therebetween to determine at least one position of said points for minimum or maximum current flow between said two points.

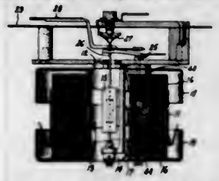
2,183,566

REPULSION-ATTRACTION TYPE CURRENT RESPONSIVE INSTRUMENT

Stephen C. Hoare, Manchester, Mass., assignor to General Electric Company, a corporation of New York

Application September 29, 1937, Serial No. 166,360
5 Claims. (Cl. 171—95)

2. A current responsive instrument comprising a pair of relatively movable magnetizable members and a current conducting coil in inductive relation to said members, one of said members comprising a movable vane, and the other of said members comprising a repulsion iron located near



the path of the said vane and lying along the path of said vane, and an attraction iron also near and lying along the path of said vane and having a pole face progressively varying in distance from the actual path of said vane.

2,183,567

TREATMENT OF RUBBER

Louis H. Howland, Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 10, 1935, Serial No. 20,830
13 Claims. (Cl. 18—50)

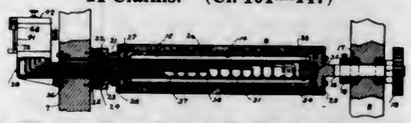
11. A process of preserving rubber which comprises incorporating therein an age-resister comprising a preponderant proportion of the product of reaction of an aliphatic ketone with an arylamine and in addition thereto an activating amount of an aromate diamino compound selected from the class consisting of N,N'-di-aryl-p-phenylene diamines and quinonoid di-imine oxidation products thereof, and N-aryl-N'-acidyl-p-phenylene diamines.

2,183,568

MOISTURE DISTRIBUTING MECHANISM FOR PRINTING MACHINES

William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application August 20, 1937, Serial No. 160,037
11 Claims. (Cl. 101—147)



1. The combination with the moistening apparatus of a lithographic printing machine, said apparatus having a plurality of manually-adjustable pumps and a conduit for each of said pumps; of a moisture distributing roller, and means connecting said plurality of conduits with ducts in the roller, whereby liquid in regulated amounts and from any preselected conduit may be applied to various predetermined peripheral portions of the roller.

2,183,569

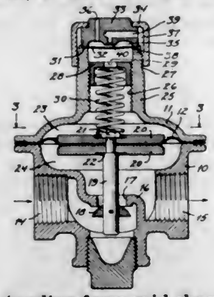
PRESSURE REGULATOR

Ralph C. Hughes, Anderson, Ind., assignor to Reynolds Gas Regulator Company, Anderson, Ind., a corporation of Indiana

Application September 24, 1937, Serial No. 165,537
3 Claims. (Cl. 50—4)

1. A safety seal for a gas pressure regulator of the type having a casing and a substantially enclosed chamber, one wall of which comprises a

pressure responsive diaphragm adapted and arranged to actuate a valve member, said seal comprising a supplemental gas impervious diaphragm closing the upper end of the chamber in the regulator casing, a hollow cap, a sleeve secured to said casing and adapted and arranged to clamp said cap and supplemental pressure responsive diaphragm thereon, a restricted but normally open



passageway extending from said chamber through said casing and sleeve into said hollow cap, a second passageway extending through the hollow cap and communicating with open air, said supplemental diaphragm being actuatable consequent upon the presence of gas pressure in said chamber between such diaphragm and the regulator diaphragm to be moved to a position to stop the flow of gas through said passageway.

2,183,570

PROCESS FOR THE PRODUCTION OF YEAST

Robert Roy Irvin and Morris W. Mead, Jr., Bloomfield, N. J.

No Drawing. Application July 28, 1937, Serial No. 156,232
13 Claims. (Cl. 195—93)

13. A process of making yeast by the aeration method which comprises setting a fermenter with a solution of yeast nutrients, seeding the wort with seed yeast in an amount from 3.5% to 15% of the total nutrients used, commencing propagation of yeast by aerating at a comparatively low rate while adding a further quantity of nutrients in an amount such that 20% to 45% of the total nutrients are in the fermenter when 35% to 50% of the total time of the process has elapsed, then adding water to the fermenter, and thereafter continuing propagation by aerating more rapidly and by adding the remainder of the nutrients during the remaining period of time.

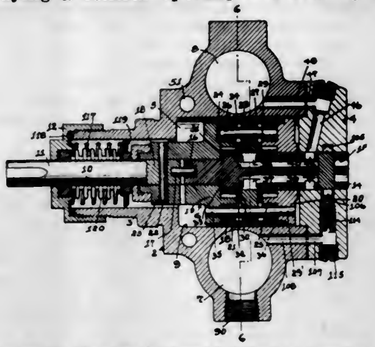
2,183,571

ROTARY PUMP

Joseph F. Jaworowski, Cleveland, Ohio

Application September 25, 1936, Serial No. 102,473
8 Claims. (Cl. 103—161)

4. In a rotary pump a housing, a stationary shaft secured with one end to said housing having an eccentric between its opposite ends, and a rotary pump unit axially shiftably mounted for concentric rotation on said stationary shaft, bearing means upon the end face of said stationary shaft for axially supporting said unit, and means for yieldingly forcing said unit into contact with said bearing means, said rotary pump unit consisting of a housing having spaced members mounted for concentric rotation on said shaft and rigidly connected by tubular means with each other to provide a cylindrical chamber enclosing the eccentric of said shaft, a cylinder block with a plurality of endwise slotted cylinders radially extended therefrom rotatably mounted in said cylindrical chamber on the eccentric of said shaft, pistons for said cylinders, an actuating and supporting shoe for each of said pistons embodying a central opening and slidably con-



tacting with the wall of said tubular means, and a single pin in each of said shoes cross-wise of its opening, said pin effecting a pivotal and slidable connection between a piston and its shoe and being slidably engaged with the slotted end of a cylinder sleeved into the opening of said shoe.

2,183,572

METHOD OF MAKING PENS, AND STRIP FOR PEN BLANKS

David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J., a corporation of New Jersey

Application October 18, 1935, Serial No. 45,664
10 Claims. (Cl. 113—32)



1. The method of forming pens having a solid ball point integral therewith comprising reducing the thickness of a chrome steel strip at intervals in one pass between a smooth roll and a roll having depressions on the periphery thereof, while forming at intervals on said chrome steel strip projections of the shape of the solid ball point of the pen substantially of the original thickness of the strip, cutting blanks from the strip and integral therewith with each projection cut to form the point portion of the pen, bending each blank transversely of its length to the shape of the finished pen with the projection at the point on the inner side of the arc of curvature, and slitting the forward end of the pen.

9. A strip for pen blanks consisting of an elongated strip of metal substantially the thickness of the pen body portion of a pen having relatively thick portions forming projections extending from one face at intervals of its length, the opposite face of the strip being a plane surface, said projections being integral throughout their base with the remainder of the stock and being shaped to correspond to the shape of the writing surface of a finished pen.

2,183,573

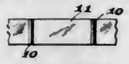
PRODUCTION OF PENS

David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J., a corporation of New Jersey

Application January 18, 1936, Serial No. 59,768
10 Claims. (Cl. 113—32)

1. The method of making pens having a solid ball point integral therewith comprising producing a ball-forming

projection composed of a solid integral mass of stock metal substantially the shape of the said solid ball point on one face of metal stock of substantially the original thickness of the stock while reducing the stock to a thickness suitable for the pen body, cutting blanks from the stock with the ball-forming projection cut to form the point portion of the pen, and forming a finished pen therefrom with the ball projection at the point on the inner side of the arc of curvature.



6. A blank strip for pens having a body of substantially the thickness of the pen body portion of a finished pen and having a relatively thick ball-forming rib extending centrally of the strip and substantially the shape of the ball of a finished pen, and composed of a solid mass of stock metal integral throughout its base with the remainder of the stock.

2,183,574

PREPARATION OF UNSATURATED CYCLIC COMPOUNDS

Arthur A. Levine and Oliver W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 27, 1936, Serial No. 71,318

2 Claims. (Cl. 260—666)

1. A process which comprises reacting cyclohexane with an amount of chlorine only sufficient to convert a minor proportion of the cyclohexane to monochlorocyclohexane and passing the resultant mixture of cyclohexane and monochlorocyclohexane over a dehydrogenchlorination catalyst at a temperature of 400–500° C.

2,183,575

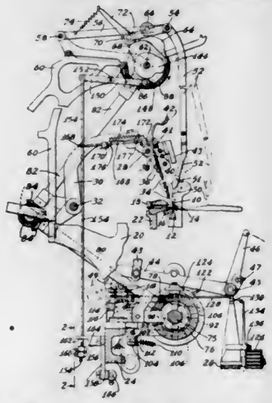
KNITTING MACHINE

Karl Richard Lieberknecht, Oberlungwitz, Germany, assignor to Knitting Machines Corporation, a corporation of Delaware

Application May 26, 1938, Serial No. 210,193

In Germany May 29, 1937

16 Claims. (Cl. 66—96)



1. In a flat knitting machine have knitting devices including a needle series, a plurality of operating instrumentalities constructed and arranged to cooperate with the needles for the performance of diverse machine operations auxiliary to knitting, including instrumentalities for turning a welt, actuating means for said welt instrumentalities, and other instrumentalities for the performance of other of said auxiliary operations, means for supporting said other instrumentalities adapted for positioning the same in an inoperative position out of the path of movement of the welt instrumentalities, and a safety device controlled by said other instrumentalities to prevent movement of said welt instrumentalities into interfering engagement therewith.

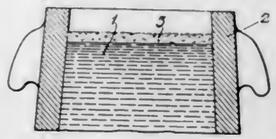
2,183,576

CASTING STEEL INGOT

Lewis B. Lindemuth, Port Washington, N. Y.

Application May 26, 1936, Serial No. 81,806

9 Claims. (Cl. 22—216)



1. The method of casting steel ingots which includes pouring the molten steel into the ingot mold and applying to the top a layer of ground cork to retard the cooling of the top of the cast metal.

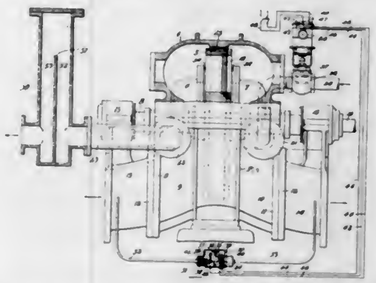
2,183,577

STRAINING EQUIPMENT

Daniel Raymond McNeal, Abington, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 30, 1936, Serial No. 77,110

8 Claims. (Cl. 210—152)



1. In straining equipment wherein the straining element is composed of a plurality of sections which may be successively isolated and removed from service and then cleaned by reversal of fluid flow without interruption of service through the remaining sections, the combination of a line for supplying cleaning fluid, a line for discharging the material removed by the straining element, a booster pump in the cleaning fluid supply line for controlling the flow therethrough, a motor for operating said pump, and a pilot mechanism subject to the difference in pressure between the two sides of the straining element, said pilot mechanism being adapted to initiate operation of said motor so as to cause said pump to deliver cleaning fluid through said supply line when the difference in pressure exceeds a predetermined standard and to stop the motor so as to discontinue said supply when said standard is again attained.

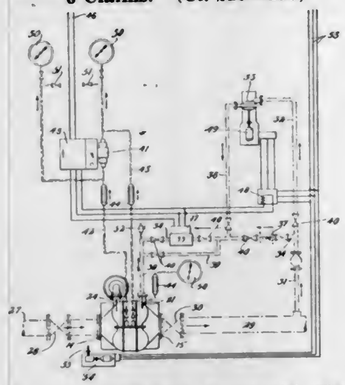
2,183,578

STRAINING EQUIPMENT

Daniel Raymond McNeal, Abington, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 27, 1938, Serial No. 237,163

6 Claims. (Cl. 210—196)



1. In rotary straining equipment wherein the straining element is cleaned by reversal of fluid flow without interruption of service, the combination of a line for supplying cleaning fluid, a line for discharging the material removed by the straining element, motor actuated means in the cleaning fluid supply line for controlling the flow which passes therethrough, a pilot mechanism for controlling the motor of said control means, said pilot mechanism being subject to the difference in pressure between the two sides of the straining element whereby said control means may be opened when the difference in pressure exceeds a predetermined standard and closed when the difference in pressure falls below said standard, and timing mechanism for periodically actuating said motor actuated controlling means regardless of pressure conditions in the strainer.

2,183,579

GUITAR

Joseph W. Neal, Springfield, Oreg., assignor of one-fourth to Theodore S. Dayton and Gordon V. Dayton, and fifty-five per cent to Harry C. Kendall, all of Portland, Oreg.

Application January 19, 1935, Serial No. 2,535

11 Claims. (Cl. 84—317)



1. In a device of the class described, a pair of parallelly disposed guides running longitudinally of and superposed the neck of the instrument, a second guide disposed below and in spaced relation with the pair of guides, the second guide uniformly increasing in spaced relation with the pair of guides rearwardly from the head of the instrument, a plurality of stop pin holders movable relative to the guides and for being automatically moved toward each other when the assembly is moved in one direction and for being moved away from each other when the assembly is moved in the opposite direction, a keyboard, key manipulative stems secured to the keyboard, and means effecting communication with the strings of the instrument when certain ones of the keys are manipulated.

2,183,580

CARBON PAPER

Allan K. Ohashi, Babylon, N. Y.

Application May 25, 1937, Serial No. 144,743

7 Claims. (Cl. 91—68)



1. A process for making manifold sheets comprising coating and impregnating a sheet of paper on and through one of its surfaces with a suitable normally solid carbon-containing color composition and then impregnating said sheet through its other surface with a plasticized cellulose nitrate composition which solidifies on standing, to form a highly flexible impregnation.

2,183,581

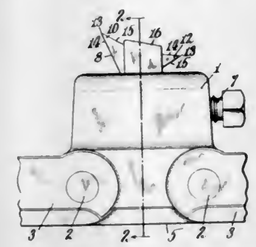
CUTTER CHAIN

Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application May 29, 1933, Serial No. 673,483

Renewed February 24, 1937

12 Claims. (Cl. 262—33)



3. In a cutter chain, the combination of a bit block having a socket, a cutter bit having more than two radially located equi-distantly spaced projections each presenting a cutting point, one of said projections extending within said bit block socket, a bit holder receivable in said bit block socket and having a socket for receiving portions of said cutter bit, said bit holder engaging all of said projections to the rear of the active cutting point of said bit for holding said bit in cutting position on said bit block.

2,183,582

ELEVATOR GATE AND LATCH

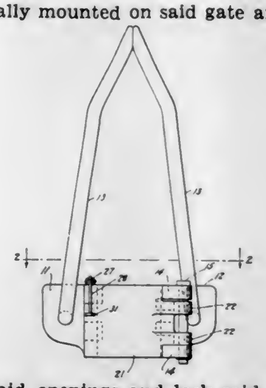
Thaddeus Patin, Anaheim, Calif., assignor to Byron Jackson Co., a corporation of Delaware

Refiled for abandoned application Serial No. 652,600, July 19, 1923. This application March 22, 1938, Serial No. 197,445

8 Claims. (Cl. 294—90)

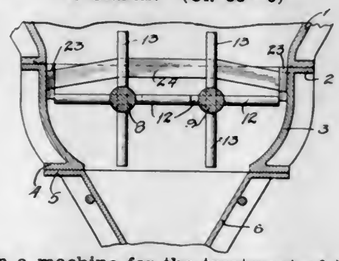
1. An elevator comprising a body, a gate hinged thereto so as to permit limited axial movement, a bevelled projection on said gate, said body being provided with a keeper for said projection, said keeper and projection being so shaped as to be disengageable only upon upward movement of said gate, said gate and body being provided with openings registering when the gate is closed, and a

pin pivotally mounted on said gate and disposed



to enter said openings and lock said gate when closed against upward opening movement.

2,183,583
APPLICATION MACHINE FOR INSULATING MATERIAL
Richard B. Patterson, Chicago, Ill., assignor to Patterson Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 19, 1937, Serial No. 131,870
4 Claims. (Cl. 83—6)



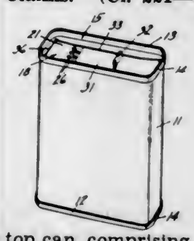
1. In a machine for the treatment of insulating material, a casing, a pair of horizontally spaced parallel shafts journaled in said casing, cylindrical fingers upon each of said shafts including a set of fingers on one shaft that travel in the same plane of rotation as the fingers of a corresponding set upon the second shaft but in angularly spaced relation thereto, said shafts being sufficiently closely spaced to cause the fingers upon different shafts in each of said sets to rotate in overlapping relationship, shear bars secured in said casing above said shafts and positioned to be overlapped by said fingers and means for rotating said shafts in opposite directions in synchronism.

2,183,584
ELECTRICAL INDICATOR AND CONTROL MEANS FOR IMPURITIES IN SOLUTION
Bjarne Pedersen, West New York, N. J.
Application January 23, 1936, Serial No. 60,525
1 Claim. (Cl. 175—183)



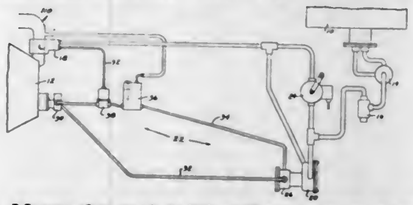
The combination of a coupling adapted to be attached to a tank containing liquid, and into which coupling the liquid from the tank flows, and an electric contact assembly including an insulating tube having a fluid-tight connection with the coupling at an angle which will permit the liquid to freely enter the end of the tube attached to the coupling, a conducting element fitted in the tube and extending throughout a part only of the length of the latter whereby an open space is left at one end of the tube to receive liquid from the coupling, an outwardly extending projection, and a cap having a hole therein through which the projection extends, said cap embracing the projection and attached to the tube for holding the conducting element and projection in electrical contact.

2,183,585
CONTAINER
John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 8, 1935, Serial No. 35,365
3 Claims. (Cl. 221—62)



1. A dredge top can, comprising a drawn metal end member having an outer and an inner sunken panel vertically spaced apart by an inwardly projecting continuous peripheral wall integral with said panels and overhanging said inner panel for the greater portion of the marginal area of the latter, the bottom wall of said inner sunken panel having a dispensing opening and providing a seat, and a flat slide member located on said seat and movably retained within said inner sunken panel by frictional engagement with the lower surface of said overhanging continuous peripheral wall, whereby in one position the said slide closes the can by covering said dispensing opening and in another position uncovering said opening to permit dispensing of the can contents.

2,183,586
FUEL FEEDING SYSTEM
Ewell C. Phillips and Leslie L. Aspelin, Dayton, and Ralph E. Grey, Osborn, Ohio
Application March 30, 1938, Serial No. 199,042
23 Claims. (Cl. 158—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Means for maintaining the pressure of the fuel in the carburetor substantially constant at a predetermined value, said means comprising a power actuated pump means for supplying fuel

to said carburetor, means for regulating the power supplied to said pump means including a power control device and means responsive to changes in the pressure of said fuel in said carburetor for controlling said device to maintain said fuel pressure substantially constant at a predetermined value and means for damping said regulating means.

2,183,587
EXOTHERMIC MIXTURE
Ferdinand Racen, St. Louis, Mo., and Walter M. Bruner, New Haven, Conn., assignors to W. G. Shelton Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application December 4, 1936, Serial No. 114,204
16 Claims. (Cl. 44—3)

1. A composition for producing heat by chemical action, comprising a mixture of a primary metal and a secondary metal, said primary metal being from the group of stable metals positioned above the secondary metal in the electromotive series of metals, said secondary metal being from the group of stable metals no more active than zinc and active alloys thereof, a substance stable in a dry state and capable when in solution of furnishing an acidic medium, and an oxidizing agent sufficiently active in the acidic medium and in quantity sufficient to oxidize both said primary and said secondary metal.

2,183,588
COLLAR DECAPPER
Robert Edwin Reardon, Camden, N. J.
Application March 28, 1936, Serial No. 71,481
1 Claim. (Cl. 215—46)



An individual bottle decapper comprising an arcuate collar of thin sheet material made substantially rigid vertically and resilient laterally to embrace and clamp the neck and head finish of a bottle or the like and provided with a segment at its upper edge to contact the lip of said bottle, and means formed on said collar for manual engagement for decapping use.

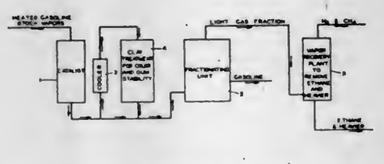
2,183,589
DERIVATIVES OF COMPOUNDS OF THE SUPRARENAL CORTICAL HORMONE SERIES AND PROCESS OF MAKING SAME
Tadeus Reichstein, Zurich, and Emil Schlittler, Basel, Switzerland, assignors, by mesne assignments, to the firm Roche-Organon Incorporated, Nutley, N. J.
No Drawing. Application December 20, 1937, Serial No. 180,918. In Switzerland December 23, 1936
16 Claims. (Cl. 260—397)

1. Process for producing and purifying compounds of the suprarenal cortical hormone series, comprising treating a compound of the group of suprarenal cortical hormones and preparations containing the same with an agent capable of converting a hydroxyl group into a group which is reconvertible to a hydroxyl group by a hydrolizing agent.

2,183,590
METHOD OF DECOLORIZING OILS
Ernest Wayne Rembert, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 24, 1934, Serial No. 727,341. Renewed April 2, 1938
1 Claim. (Cl. 196—147)

In a method of decolorizing oils involving mixing therewith a hydrous, precipitated, absorbent magnesium silicate, heating the mixture, and separating the silicate and adsorbed decolorizing constituents from the oil, the improvement which consists in adjusting the moisture content of the silicate to a quantity predetermined in accordance with the temperature to which the mixture is treated, said moisture content being adjusted to a minimum of 18% by weight of the silicate for treatments at temperatures in excess of 400° F., and to a content of 12 to 18% for treatments at 220 to 400° F., and 6% to 12% for treatments at temperatures between 100 to 220° F.

2,183,591
PROCESS FOR TREATMENT OF HYDROCARBONS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 20, 1936, Serial No. 106,697
5 Claims. (Cl. 196—52)

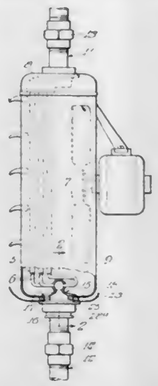


2. The process of treating a gasoline stock to increase its octane number, which comprises contacting said gasoline stock in the vapor form at pressures in the range of atmospheric to 100 pounds per square inch with a bauxite catalyst impregnated with a solution of a chromium compound subsequently converted to the oxide, the catalyst containing a major proportion of bauxite and a minor proportion of chromium oxide, at a temperature in the range of 800 to 1100° F. and a flow rate of about 1 to 10 liquid volumes of gasoline stock per hour per volume of catalyst, separating the decomposed impurities and the light gas fraction containing a substantial proportion of hydrogen from the hydrocarbons boiling within the gasoline range, and thereby obtaining a gasoline stock with a higher octane number than the untreated gasoline stock boiling within the same temperature range.

2,183,592
ELECTRICAL CONDUCTOR
Horace F. Silliman, Waterbury, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application July 20, 1938, Serial No. 220,334
6 Claims. (Cl. 174—134)

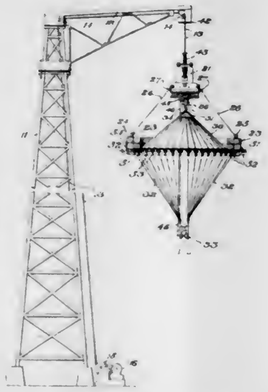
1. A conductor for electricity formed from an alloy composed of boron .01% to 0.15%, and balance copper.

2,183,593
COOLING UNIT
Benjamin Spieth, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application August 21, 1936, Serial No. 97,224
15 Claims. (Cl. 62—140)



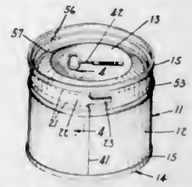
1. In a cooling unit having a fluid circulating core supported on and between adjacent ends of vertically aligned inlet and outlet conduits and adapted to rotate with respect thereto around the axes of said conduits, the combination of a drip pan beneath said core and rotatable therewith, and a drain pipe communicating with said drip pan in relatively fixed position with respect to portions of said conduits.

2,183,594
PARACHUTE TRAINING AND AMUSEMENT DEVICE
James H. Strong, Hightstown, N. J.
Application February 17, 1938, Serial No. 191,063
20 Claims. (Cl. 35—12)



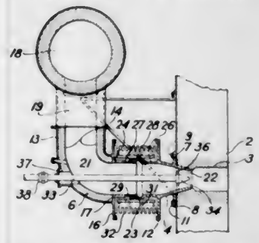
1. A parachute device including a canopy, a carrier having a lifting means attached thereto, detachable means for laterally extending the skirt of the canopy, and means attached to the peak and the skirt of the canopy to suspend the canopy from said carrier and to extend the canopy completely vertically while it is being lifted.

2,183,595
CONTAINER
Russell C. Taylor, Greenwich, Conn., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 5, 1938, Serial No. 239,138
2 Claims. (Cl. 220—54)



2. A sheet metal container, comprising a body having a side seam, an annular collar disposed in said body, and a double step and member secured to said body by an end seam, said body being provided with score lines setting off a tearing strip extending entirely therearound adjacent said end closure member, said body also having a hinge portion thereof partially cut out of its side seam and set off below said tearing strip, said hinge portion being folded upwardly across said tearing strip and against said body wall and having its free end where it extends above the tearing strip secured in said end seam thereby providing a hinge connecting the body with a reclosure cover produced from the part of said container above the tearing strip when said tearing strip is removed, said hinged reclosure cover utilizing said collar as a friction base when the reclosure cover is in closed position on the container.

2,183,596
BURNER CONSTRUCTION
Willibald Trinks, Pittsburgh, Pa., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 28, 1938, Serial No. 187,445
12 Claims. (Cl. 158—99)

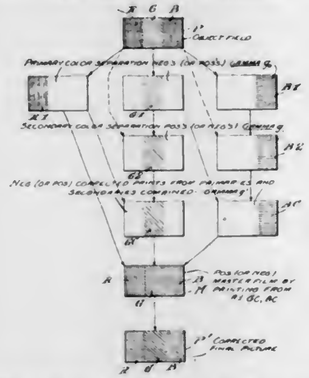


2. A burner adapted for use under conditions involving the production of temperatures in excess of 1000° C., which comprises an inlet conduit for fuel, a second conduit at least partially embracing the first conduit and positioned therefrom to form a passageway, the conduits terminating in conical members to form a burner orifice, blades attached to both conduits for positioning the first conduit in the second, the burner being characterized in that the second conduit comprises a plurality of parts including a bell and spigot construction, in which the internal member of the bell and spigot does not touch the external member thereof, therebetween, insulating neans enveloping said construction, and the aforementioned insulating means being enveloped by a flexible bellows construction attached to each of said parts.

2,183,597
STABILIZED SUGAR SIRUP
Daniel V. Wadsworth and Leonard Wickenden, Manhasset, N. Y., assignors to John J. Naugle, New York, N. Y.
No Drawing. Application June 4, 1938, Serial No. 211,801
6 Claims. (Cl. 99—142)

1. The method of preparing a stock stabilizer for use in connection with dairy products which consists in the steps of extracting the soluble gums from Irish moss, adding an activated carbon as a filtering agent to the extract, adding sugar to the mixture of extract and filtering agent, and thereafter filtering the mixture to obtain a deodorized, deflavorized and decolorized sirup.

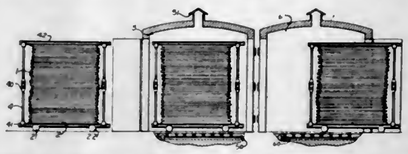
2,183,598
MAKING COLOR PICTURES
Eastman A. Weaver, Winchester, Mass., assignor to Comstock & Wescott, Inc., Boston, Mass., a corporation of Massachusetts
Application August 8, 1935, Serial No. 35,323
21 Claims. (Cl. 95—2)



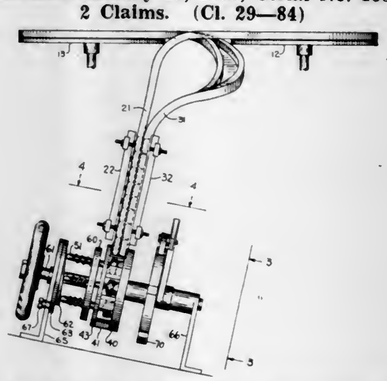
11. The method of making an accurate reproduction of an object field with the aid of color aspect records, by using several coloring-matters, at least one coloring-matter being deficient because having an improper absorptivity for light of a color which should properly only be absorbed by a second coloring-matter corresponding to another color aspect, which method comprises the steps of producing positive and negative prints of different color aspects including those corresponding to said coloring-matters, the contrast values of said positive and negative prints, respectively, being made proportionate to said proper and improper absorptivities of said coloring-matter, and producing a composite record from one of said positive prints of one color aspect and one of said negative prints of another color aspect, thereby subtracting at each point of the reproduction as much of said second coloring-matter density as corresponds to said improper absorption at that point by said first coloring-matter.

2,183,599
PROCESS OF MAKING PANELS
Arthur R. Welch, Hoquiam, Wash.
Application February 1, 1937, Serial No. 123,551
1 Claim. (Cl. 144—309)

A process of manufacturing panels from materials incorporating a binder setting under heat and pressure, which comprises disposing such materials in side-by-side relation, interposing between selected panels a cool, loose plate of heat-conductive metal which is independent of all other such plates, subjecting all such panels and plates to pressure, thereafter surrounding the panels and plates, while under pressure, with a heated fluid, thus by conduction to heat the plates, and hence the panels, from the edges inwardly, and for a time sufficient to set the binder in the center of each panel, surrounding the panels and plates, while still under pressure, with a cooling fluid, thus by conduction to cool the plates, and hence the panels, and finally releasing the pressure from the cooled panels, after cooling to a degree low enough to prevent formation of steam after such release.



2,183,600
ASSEMBLY
Stanton E. Werner, Highland Park, and Carl F. Mathisen, Milltown, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application January 15, 1938, Serial No. 185,244
2 Claims. (Cl. 29—84)

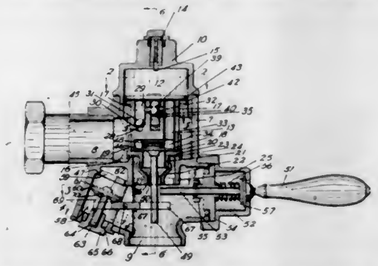


1. Apparatus for assembling concentric cooperating elements comprising a pair of channels for holding and axially aligning a supply of pairs of elements, said channels descending obliquely to a common terminus, with one channel above the other, an intermittently rotating wheel having pockets adapted to receive aligned pairs by gravity from said common terminus, a plunger in each of said pockets, and a cam for sequentially actuating said plungers to force the elements of a pair into mutual frictional engagement.

2,183,601
FLUSHING VALVE
William S. White, Denver, Colo.
Application May 8, 1934, Serial No. 724,483
18 Claims. (Cl. 137—93)

6. A flush valve comprising, a housing having an inlet and an outlet, there being a valve seat between the inlet and the outlet, a flushing-valve fitted in the housing and cooperating with the seat to control the flow of fluid therethrough, a

chamber communicating with the housing on the outlet-side thereof, the chamber having a normally-open air-port, a valve in the chamber controlling the passage of air through the air-port,



and mechanism in the chamber extending into the housing in a position to be acted upon by a flow of fluid therethrough to close the air-port during the fluid-flow.

2,183,602

FABRICATING VINYLIDENE CHLORIDE POLYMERS

Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 4, 1937, Serial No. 162,553

4 Claims. (Cl. 18—55)

1. The method which includes heating a body of a material selected from the group consisting of polymeric vinylidene chloride and co-polymers thereof which contain vinylidene chloride as the major component, to a temperature between its softening point and its decomposition temperature, rapidly chilling to super-cool the same, and subjecting the super-cooled polymeric product to plastic deformation.

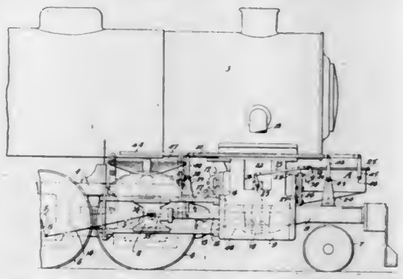
2,183,603

LOCOMOTIVE VALVE GEAR

William E. Woodard, Forest Hills, N. Y.

Application February 19, 1937, Serial No. 126,587

17 Claims. (Cl. 105—37)



1. In a locomotive having a boiler, cylinders, smoke-box and framing, a box-like saddle structure mounted to occupy the space between said cylinders, and rigidly interconnecting said cylinders, smoke-box and framing, and thus supporting said boiler, steam distribution valve means for each cylinder, a valve motion mechanism for actuating the valve means of both cylinders, the said mechanism being arranged as a compact unit removably secured to the saddle structure between the planes of the cylinders.

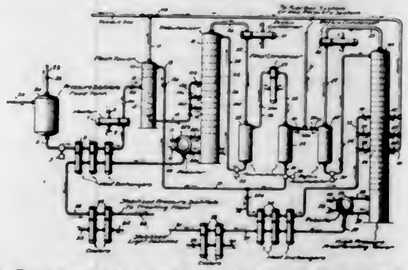
2,183,604

METHOD OF STABILIZING VOLATILE LIQUIDS

Paul D. Barton, Philadelphia, Pa., and Karl Finsterbusch, Scarsdale, and Nathaniel M. Floyd, Larchmont, N. Y., assignors, by mesne assignments, to American Locomotive Company, New York, N. Y., a corporation of New York

Application November 28, 1934, Serial No. 755,152

12 Claims. (Cl. 196—8)



8. In a process wherein a hydrocarbon mixture including gasoline-like hydrocarbons is fractionated in a first fractionating zone to separate the heavier from the lighter hydrocarbons of the mixture, and wherein certain of said lighter hydrocarbons are then fractionated in a higher pressure fractionating zone to recover a stabilized light motor fuel; the improvements comprising removing such a portion of the lighter hydrocarbons from the mixture before the first fractionating step is performed that hydrocarbons uncondensed by the first fractionating operation are substantially completely condensable under a pressure no higher than exists in said first fractionating zone and at normal atmospheric temperature, then performing said first fractionating operation on the balance only of said mixture, and, subjecting the initially removed portion of lighter hydrocarbons to fractionation in the higher pressure fractionating zone with the lighter hydrocarbons from the first fractionating zone.

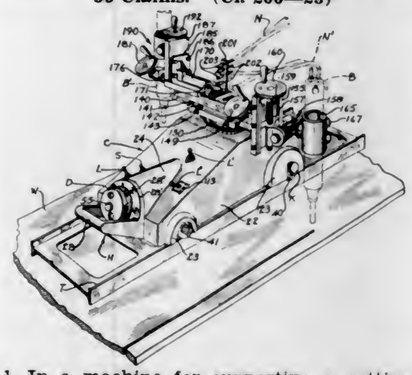
2,183,605

CUTTING AND WELDING MACHINE

James H. Bucknam and Alfred J. Miller, Cranford, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application January 12, 1935, Serial No. 1,470

36 Claims. (Cl. 266—23)



1. In a machine for supporting a cutting or welding blowpipe or similar tool, a box-like cas-

ing supported by wheels and comprising a base and a cover telescoping over and interfitting with said base, a partition in said base having an edge in the same plane and continuous with a peripheral edge of said base, a partition in said cover having an edge abutting the edge of the partition in said base, a ledge or wall around a portion of the inside of said cover having an edge in the same plane and continuous with the edge of the partition in said cover and abutting the peripheral edge of said base, and means for securing said cover to said base to form a dust-proof compartment.

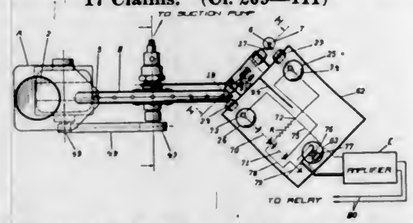
2,183,606

HIGH SPEED DIFFERENTIALLY FUNCTIONING ARTICLE SORTING

Leonard Day, New York, N. Y.

Application September 1, 1932, Serial No. 631,321

17 Claims. (Cl. 209—111)



2. In an article sorter, a rejector; means for obtaining an electrical differential between the same light reflected from an article of comparison and an article to be sorted; means for amplifying the same; electrical means for operating said rejector solely in response to said electrical differential from a difference in reflected light values.

5. In article sorting, the method of compensating for irregularities of sorting light which comprises causing light from a single source to impinge upon two shaded articles for the same unit of time, to be reflected therefrom upon a pair of photocells and the further step of operatively differentiating the effect of light upon the respective photocells upon an amplifier system and subsequently to said unit of time moving a massful ejector solely in response to an amplified difference in the light value from said two articles.

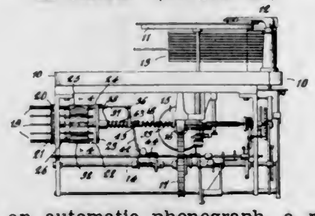
2,183,607

SEQUENCE SELECTOR MECHANISM FOR AUTOMATIC PHONOGRAPHS

Edward A. Ebert and Nelson J. Gleiser, Buffalo, N. Y., assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application June 3, 1938, Serial No. 211,620

11 Claims. (Cl. 274—10)



7. In an automatic phonograph, a rotatable shaft for controlling the selection of records having a stop member mounted thereon for rotation therewith for stopping its rotation at selected positions and free to slide axially thereof, a spring for normally urging said stop member in one direction axially of the shaft, a plurality of selector elements corresponding in number to the records and each projectible individually to a predetermined initial selecting position and successively to other positions for sequential operative relation with said stop member to arrest the rotation of said shaft, a shiftable coupling member disposed in operative relation with the selector elements for actuation thereby and having means thereon for interlocking engagement with said elements for bodily and successively advancing initially selected elements a given distance toward said stop member at each projection of subsequent selector elements to their initial selecting positions, whereby a pre-selected group of such elements are selectively disposed with their stop-member engaging ends in receding spaced relation at different predetermined distances from the stop member to control the sequence playing of the corresponding records, and means applied to said stop member and engageable with said selector elements for successively returning them to their non-selective positions after their corresponding records have been selected for play.

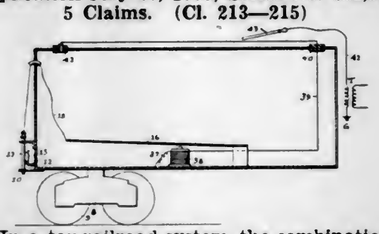
2,183,608

AUTOMATIC COUPLING FOR TOY TRAINS

Arthur Erb, Paterson, N. J.

Application July 27, 1938, Serial No. 221,515

5 Claims. (Cl. 213—215)



1. In a toy railroad system, the combination of a traveling unit, an electrically energizable device thereon, a stationary elongated conductor element adapted to extend lengthwise of the path of travel of the unit, a stationary source of electrical energy, said unit having a portion thereof electro-conductive and in permanent electrical contact with said element, and means to form with said portion of the unit and said element an electric circuit including said device and energy source, said means having a portion forming one terminal of the circuit and arranged on and in exposed relation to the unit and a flexible portion forming the other terminal of the circuit and movable into contact with the portion forming the first circuit terminal.

2,183,609

AUTOMATIC VOLUME CONTROL CIRCUIT

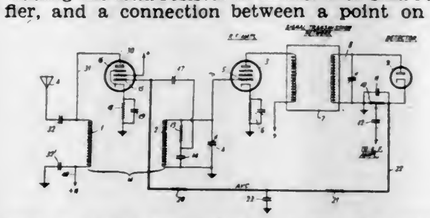
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 5, 1937, Serial No. 172,874

4 Claims. (Cl. 250—20)

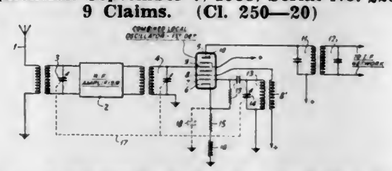
1. In a radio receiver of the type including an antenna circuit, a radio frequency amplifier having a tunable input circuit, a coil in said antenna circuit reactively coupled to said input circuit, a rectifier having an input circuit coupled to the said amplifier, means common to the amplifier input circuit and said antenna circuit for impressing upon said antenna circuit signal voltage derived from said amplifier input circuit but in degenerative phase with respect to the signal voltage at the antenna circuit, means, responsive to the

variation in magnitude of the direct current voltage at said rectifier, for varying the magnitude of said degenerative voltage, said last means including the load resistor in circuit with said rectifier, and a connection between a point on the



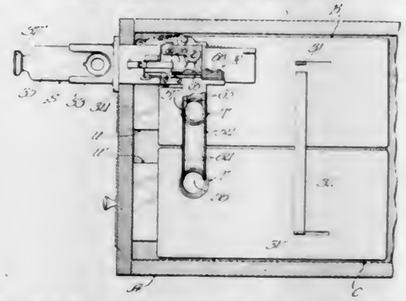
resistor, which assumes an increasingly positive potential as the carrier amplitude increases, and said common means, said common means comprising a tube which includes said antenna coil in its space current path.

2,183,610
CONVERTER HARMONIC REDUCTION CIRCUIT
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 7, 1938, Serial No. 228,752
9 Claims. (Cl. 250—20)



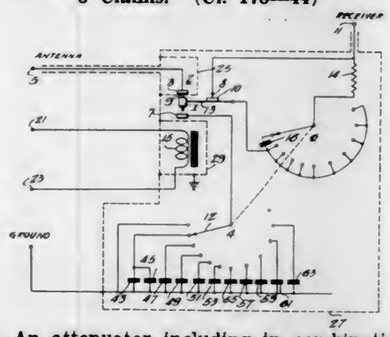
1. In a converter of the type including a tube having local oscillation and signal input electrodes spaced apart in a common electron stream to an output electrode, the method comprising impressing signal and local oscillation voltages on said respective electrodes, deriving voltages from said stream at the signal and local oscillation frequencies, and impressing said derived voltages in degenerative phase upon said respective electrodes thereby to reduce the effect of the non-linearity of the tube characteristic.

2,183,611
TOKEN OR COIN HANDLING APPARATUS
Emil Goodman, Chicago, Ill., assignor, by mesne assignments, to James E. Johnson, Chicago, Ill.
Application November 8, 1935, Serial No. 48,807
6 Claims. (Cl. 194—10)



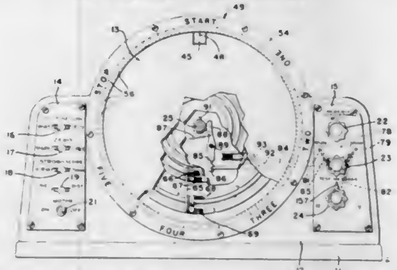
3. In a token or coin handling apparatus, magazine means for tokens or coins of various sizes, token or coin removing means for removing the tokens or coins of the various sizes from said magazine means, means for predetermining the number of tokens or coins removed from said magazine means, and token or coin operable selector means responsive to the size of the operating token or coin for predetermining the size of the tokens or coins removed from said magazine means.

2,183,612
SHIELDED RELAY ATTENUATOR
Samuel Gubin, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 22, 1938, Serial No. 236,436
8 Claims. (Cl. 178—44)



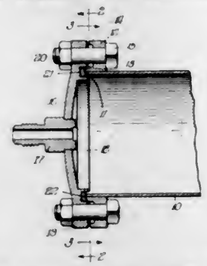
1. An attenuator including in combination a pair of fixed contacts and a movable contact, a shielding compartment, said shield enclosing the first of said fixed contacts, means for bringing said movable contact either into direct electrical engagement with said first fixed contact within said compartment or into direct electrical engagement with the other fixed contact, a selector switch having a movable arm for engaging one of a plurality of contact points, said arm being connected to said last named contact, a plurality of capacitors respectively connected between said contact points and ground, an input terminal connected to said first contact within said shield, and an output terminal connected to said movable contact.

2,183,613
BIAS TRANSMITTER
Edwin William F. Hanke, Chicago, and Walter J. Zenner, Des Plaines, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 3, 1937, Serial No. 162,328
16 Claims. (Cl. 178—69)



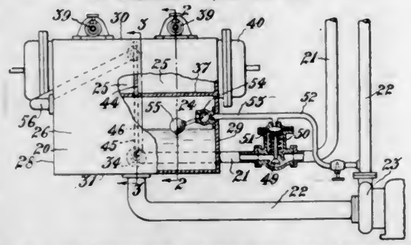
1. In a telegraph transmitter, a pair of segmented rings, collector rings associated with said segmented rings, a single brush carrier common to all of said collector and segmented rings, means for displacing one of said segmented rings with respect to the other angularly, means for projecting transmission signals through said segmented rings parallelly, and switch controlled apparatus for varying the timing between impulse intervals of each signal.

2,183,614
COUPLING STRUCTURE
Guy J. Henry, Chicago, Ill.
Application December 22, 1937, Serial No. 181,170
1 Claim. (Cl. 285—130)



A coupling structure comprising two members having annular flanges adapted to be drawn together, said members having complementary tongue and groove portions adjacent the inner edges of the flanges, a compressible gasket between the tongue and groove portions, an axially extending annular rib adjacent the outer edge of one of the flanges for abutment with a corresponding portion of the other flange to prevent the flanges from being drawn together except at the location of the rib, and clamping bolts passing through the flanges in the spaced portions thereof between the outer rib and the inner tongue and groove portions, said gasket and tongue and groove portions being so proportioned with respect to said rib as to result in compression of the gasket upon the bolts being drawn up before abutment of the rib with the opposed portion of the other flange, and said rib upon engagement with the opposed portion of the other flange providing a fulcrum for further compression of the gasket through the tongue upon further tightening of the bolts.

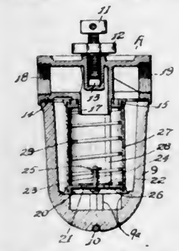
2,183,615
REFRIGERATING APPARATUS
John Kirgan, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application September 10, 1937, Serial No. 163,187
4 Claims. (Cl. 62—2)



1. In refrigerating apparatus, an evaporator wherein liquid is treated, inlet means to admit liquid to the evaporator, a pump, conduit means for the treated liquid leading from the evaporator to the pump, means interposed in the conduit means and defining a reservoir in the path of liquid flow and through which all the treated liquid flows, pressure-responsive means actuated by liquid discharged by the pump to control the flow of liquid through the inlet means, and means acting responsively to variations in the level of the liquid in the reservoir to control the pressure of the liquid actuating said pressure-responsive means.

4. In refrigerating apparatus, a vessel having a plurality of vaporization chambers in the upper part thereof and a reservoir chamber beneath the vaporization chambers, inlet means to admit liquid to the vaporization chambers, vapor evacuators for the vaporization chambers, a condenser to which the evacuators discharge, means extending into the reservoir chamber to convey all unvaporized liquid from the vaporization chambers into the reservoir chamber, an outlet conduit from the reservoir chamber, and a conduit connecting the condenser and common reservoir to subject the common reservoir to condenser pressure whereby a liquid seal may be maintained in said means extending into the reservoir chamber at all times.

2,183,616
FUEL FILTER
Alfred C. Korte, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application November 27, 1937, Serial No. 176,778
1 Claim. (Cl. 210—165)

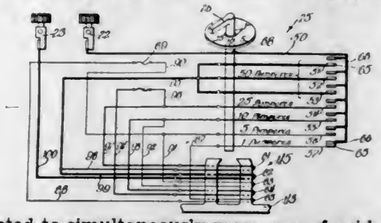


In a filter, a head member formed with inlet and outlet ports, a bowl removably fixed to the head member and through which liquid is passed, said bowl having annularly spaced projections, a tubular filtering element secured to said head member, a perforated cap for the lower end of said tubular filtering element normally resting on said projections, the perforated portion of said cap being off-set upwardly to form a recess, one wall of which is in substantial vertical alignment with the inner faces of said projections and cooperates therewith to define a lower sediment chamber, a screen arranged in said recess and extending across the bottom face of the perforated portion of said cap, and means supported upon the upper face of the perforated cap portion normally closing the perforations against passage of fluid, said means being responsive to pressure accumulated outside of the confines of the tubular filter and opening inward to relieve such pressure.

2,183,617
METER CONSTRUCTION
Fred Kurz, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application June 15, 1938, Serial No. 213,765
12 Claims. (Cl. 171—34)

1. In a portable test watthour meter, in combination, a current element having a plurality of windings, a switch means for selectively connect-

ing said windings into circuits of different current capacities including stationary contact means and a plurality of cooperating contact fingers, and manually operable means arranged and



adapted to simultaneously move one of said contact fingers toward and another away from said stationary contact means in a predetermined sequence.

2,183,618

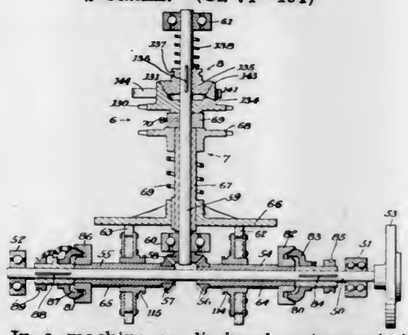
MACHINE FOR CLEARING OUT PIPE

John O. Magruder, Los Angeles, Calif.

Application August 5, 1936, Serial No. 94,325

Renewed May 5, 1939

2 Claims. (Cl. 74—194)



1. In a machine as disclosed, a transmission shaft, a transmission sleeve journaled on said transmission shaft, a friction disc secured on one end of said sleeve, a drive shaft, a pair of sleeves journaled on said drive shaft, beveled pinions secured on the inner ends of said sleeves respectively, a beveled pinion secured on said transmission shaft in mesh with said beveled pinions on said sleeves, clutches for clutching said sleeves respectively to said drive shaft, a pair of friction discs splined on said sleeves respectively in frictional contact with said friction disc on said transmission sleeve, at opposite sides of and equidistantly from the center of said latter disc, and means for shifting said pair of discs equidistantly toward or away from the center of said transmission sleeve disc, for varying the speed of rotation of said transmission sleeve with relation to said drive shaft.

2,183,619

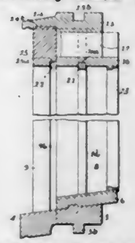
DOOR AND WINDOW FRAME STRUCTURE

Raymond I. Myers and Harold A. Myers, Hawthorne, N. J.

Application May 10, 1938, Serial No. 206,979

6 Claims. (Cl. 20—11)

1. The hereindescribed frame including a sill having an elongated body section and an elongated frontal section whose top face is below the top face, and whose ends project beyond the ends, of the body section, a stile upstanding from each end of the sill and including an upright plate section seated on and having one broad upright face thereof substantially flush with the corresponding end face of the sill body section and an upright post section having an upright face thereof substantially flush with the corresponding end face of the sill frontal section, said stile post sections having their tops below those of the stile plate sections, and a head including a body section seated on and having its ends substantially flush with said broad



faces of the stile plate sections and a panel section depending from said head body section and seated on and having its end faces substantially flush with said faces of the stile post sections, whereby the post sections together with the ends of the sill frontal section and the ends of the head panel section together form lateral flanges on the frame adapted to lap the building wall in which the frame is positioned.

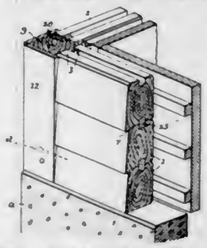
2,183,620

BUILDING CONSTRUCTION

Harold A. Myers, Hawthorne, N. J.

Application March 30, 1938, Serial No. 198,919

2 Claims. (Cl. 20—5)



1. A building timber including, with a body portion having substantially parallel top and bottom faces and an inner upright face and means at its top and bottom to interlock with adjoining timbers and means at its ends to interlock with uprights and also having a bevel at the outer margin of said top face and extending substantially from end to end of the timber, a panel portion next adjoining the outer side of said body portion and extending lengthwise thereof to near but short of each end of said body portion and also extending from substantially the bevel downwardly and depending below the bottom face of said body portion, the thus depending part of the panel portion forming a depending flange on the timber.

2,183,621

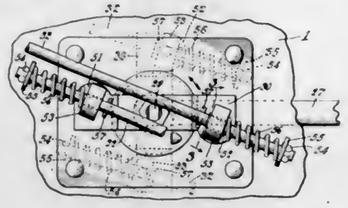
HOOD LATCH

Arthur E. Peterson, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original application January 23, 1937, Serial No. 121,944. Divided and this application December 24, 1938, Serial No. 247,669

4 Claims. (Cl. 292—48)

1. In a hood latch for automobile vehicles, a hinged closure, a single exterior handle therefor, an interior double arm crank located in the closure and mounted for rotation in unison with the exterior handle, the axis for rotation of the handle and crank being generally perpendicular to the face of the closure, a bearing member swiveled upon each arm of said crank, a latch actuating rod slidable in the aperture of each said bearing



member, interior latch members movably mounted upon the hinged closure, and an actuating connection between one of said latch members and the outer end of each said rod, a coil spring surrounding the inner end of each said rod and an abutment member adjacent the inner end of each said rod, one of said coil springs being compressed between each said abutment member and one of said swiveled bearing members.

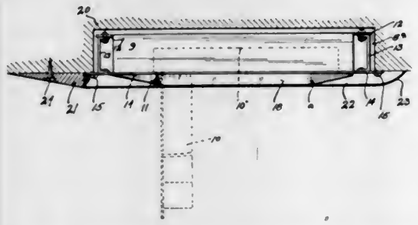
2,183,622

DIRECTION TURN INDICATOR FOR VEHICLES

Carl M. Roan, Oliver E. Kaupang and Arthur W. Rohlen, Minneapolis, Minn., assignors to Beacon Safety Signal Co.

Application May 31, 1938, Serial No. 210,833

5 Claims. (Cl. 116—52)



1. In a direction turn indicator, a casing, a signal arm connected to said casing by a hinge located outward of the face of said casing, said casing on its outer face having a rearwardly and outwardly inclined cam surface, a longitudinally extended guard rail, and a rearwardly and outwardly oblique front end cam surface, which cam surface and the outer edge of said guard rail extend outward of the hinge connection between said casing and arm.

2,183,623

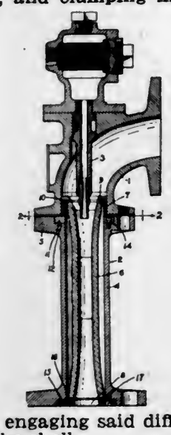
STEAM EJECTOR

Elmer G. Ross, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application August 20, 1938, Serial No. 225,878

4 Claims. (Cl. 230—95)

1. In a steam jet exhauster, a metal diffuser shell, a head, a vitreous diffuser in said shell and being entirely free from any direct contact with the shell, and clamping means carried by



said shell and engaging said diffuser for holding it in place in the shell.

2,183,624

LAMINATED BITE WAFER

Jacob R. Schwartz, Brooklyn, N. Y.

Application June 10, 1938, Serial No. 212,936

2 Claims. (Cl. 32—19)



1. An occlusal bite wafer, having a shape readily adapted to fit into the mouth, comprising a pair of soft wax layers, a layer of relatively harder wax disposed between said pair of layers, a sheet of Cellophane adhering to the adjacent faces of each pair of soft and hard wax layers thereby binding the three layers into a single body adapted to be bitten without piercing of any of said layers or Cellophane sheets.

2,183,625

REDUCTION PRODUCTS OF BZ-2, BZ-2'-DIHYDROXYDIBENZANTHRONE AND PROCESS FOR PREPARING THE SAME

Otto Stallmann, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 25, 1938, Serial No. 209,990

5 Claims. (Cl. 260—355)

1. The process for preparing a stable reduction product of Bz-2,Bz-2'-dihydroxydibenzanthrone which comprises preparing an alkaline hydrosulfite vat of Bz-2,Bz-2'-dihydroxydibenzanthrone, carefully reducing the alkalinity of the vat to a pH of from 9 to 12 while maintaining the temperature of the vat at from 60 to 90° C., until the precipitation of the monoalkali-metal salt is completed.

2,183,626

COMPOUNDS OF THE DIBENZANTHRONE SERIES

Otto Stallmann, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 25, 1938, Serial No. 209,991

5 Claims. (Cl. 260—355)

1. Compounds of the class consisting of beta-

hydroxyalkyl and beta-hydroxycyclo-alkyl ethers of leuco dibenzanthrone compounds and the beta-hydroxyalkyl and beta-hydroxycyclo-alkyl ethers of the stable reduction derivatives of leuco dibenzanthrones in which the alkyl radical bearing the OH group is attached to the leuco oxygen, and their esters.

2,183,627
COMPOUNDS OF THE DIBENZANTHRONE SERIES

Otto Stallmann, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 25, 1938, Serial No. 209,992
10 Claims. (Cl. 260—355)

1. The compounds of the class consisting of the alkylol and cyclo-alkylol ethers of Bz-2,Bz-2'-dihydroxydibenzanthrone and Bz-2,Bz-2'-dihydroxyisodibenzanthrone which carry at least one group of the class consisting of beta-hydroxyalkyl ether and beta-hydroxycycloalkyl ether groups in one of the Bz-2 positions, and their sulfonation products.

2,183,628
ALKYL ESTERS OF LEUCO DIBENZANTHRONE

Otto Stallmann, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 25, 1938, Serial No. 209,993
4 Claims. (Cl. 260—355)

1. Aliphatic acid esters of leuco dibenzanthrone compounds and their stable derivatives in which the aliphatic ester side chain contains at least 8 carbon atoms and is attached through the leuco oxygen in the dibenzanthrone nucleus.

2,183,629
COMPOUNDS OF THE DIBENZANTHRONE SERIES

Otto Stallmann, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 25, 1938, Serial No. 209,994
6 Claims. (Cl. 260—355)

1. Aliphatic acid esters of alkylol ethers of the class consisting of beta-hydroxyalkyl and beta-hydroxycyclo-alkyl ethers of the dibenzanthrone and isodibenzanthrone series, said aliphatic acid ester group being attached to the hydroxy radical of the alkylol ether side chain.

2,183,630
COMPOUNDS OF THE DIBENZANTHRONE SERIES

Otto Stallmann, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 25, 1938, Serial No. 209,995
8 Claims. (Cl. 260—355)

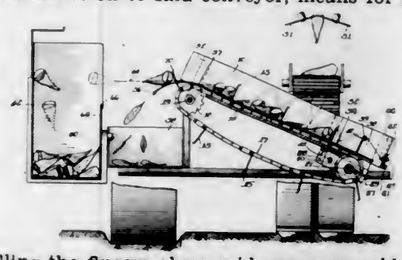
1. The aliphatic acid esters of compounds of the class consisting of a Bz-2-hydroxydibenzanthrone and a Bz-2-hydroxyisodibenzanthrone in which the aliphatic acid radical contains at least 8 carbon atoms.

2,183,631
APPARATUS FOR SEPARATING BEETS FROM BEET LEAVES

William E. Urschel, Valparaiso, Ind.

Application October 30, 1935, Serial No. 47,365
2 Claims. (Cl. 209—120)

1. In a beet harvesting machine, the combination of an upwardly inclined conveyor comprising a plurality of spaced apart, longitudinally extending supports forming the bottom of said conveyor, the supports at the end of said conveyor being bent arcuately downwardly, a plurality of spaced apart fingers adapted to travel along said supports and between the spaces occupied thereby, said fingers being of considerable height as they travel along said conveyor, means for discharging an intermingled mass of loose beets and loose leaves on to said conveyor, means for pro-

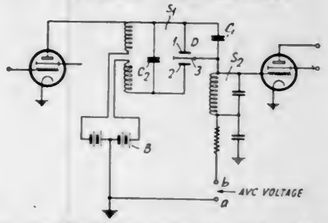


pelling the fingers along said conveyor, said fingers as they pass the arcuately downwardly curved supports being constructed and arranged to accelerate said beets and leaves with sufficient speed to project the beets and leaves outwardly from the end of said conveyor, and a receptacle disposed below the horizontal plane of the rear end of said conveyor a substantial distance whereby beets projected from said fingers will be discharged into said receptacle and whereby leaves will fall short of said receptacle.

2,183,632
CAPACITIVE COUPLING ARRANGEMENT

Karl Wilhelm, Berlin-Tempelhof, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 30, 1938, Serial No. 216,761
In Germany July 1, 1937
7 Claims. (Cl. 250—20)



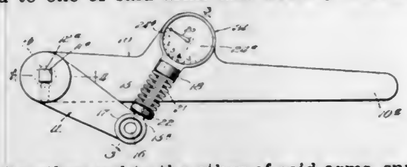
1. In combination with a pair of cascaded signal oscillatory circuits, the first of said circuits including a coil, a condenser in shunt with the coil and consisting of a pair of relatively fixed spaced plates and a foil intermediate said plates, said foil being connected to the second of said circuits, a source of direct current potential connected between said plates and establishing them at different potentials, and means connected between said foil and an intermediate point of said potential source for varying the direct current potential of said foil.

2,183,633
TORQUE MEASURING WRENCH

Herman W. Zimmerman, Highland Park, Ill., assignor, by mesne assignments, to Frederick G. Wacker and Grace J. Wacker, Lake Forest, Ill.

Application April 12, 1937, Serial No. 136,308
10 Claims. (Cl. 265—1)

1. A torque measuring wrench comprising a pair of arms, means adapted for engagement with the work and also for rotatably connecting said arms at one end thereof, and means connecting said arms for measurement of the force or torque applied therethrough to the work including a link member pivotally connected at one end to one of said arms and slidably connected

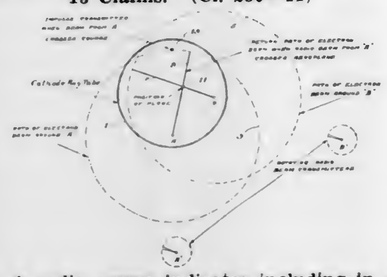


at its other end to the other of said arms, spring means between said two arms and associated with said link member and yieldably opposing movement of said arms toward each other, and means connected to said link member for indicating the extent of compression of said spring means and extent of movement of said two arms toward each other in terms of pressure.

2,183,634
RADIO COURSE INDICATOR

Vladimir K. Zworykin, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application September 24, 1937, Serial No. 165,454
13 Claims. (Cl. 250—11)



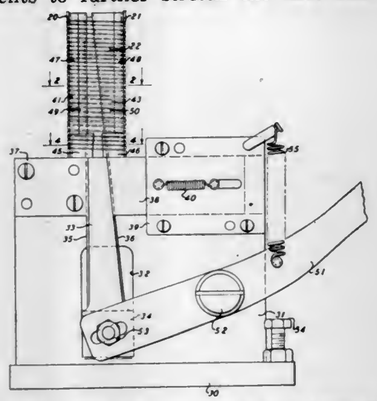
1. A radio course indicator including in combination a cathode ray tube which includes a cathode ray generator and a fluorescent screen, means for focusing said ray at points on said screen corresponding to the locations of a pair of rotating beam transmitters, means for receiving said rotating beams, means for rotating said ray about said points in synchronism with the rotation of respective rotating beams, and means for moving said ray towards said points in response to respective rotating beams crossing said receiving means.

2,183,635
METHOD OF AND APPARATUS FOR MAKING ARTICLES

Virgil D. Barker, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 10, 1937, Serial No. 130,070
2 Claims. (Cl. 140—71)

1. An apparatus for treating a grid electrode comprising a metal strand formed in connected loops substantially equal in size secured to spaced supporting members, which apparatus comprises spaced elements to receive a grid electrode and having wide portions and narrow portions, and means to move the elements relative to each other a sufficient distance to simultaneously stretch the loops adjacent the wide portions without decreasing their width and decrease the width of the loops adjacent the narrow portions without stretching them and continue to move the elements to further stretch the first stretched

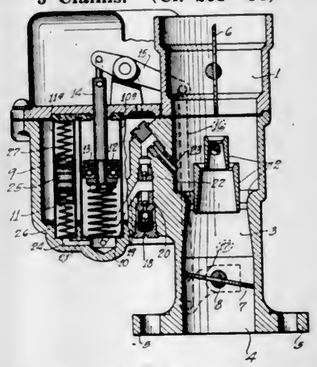


loops and stretch the narrowed loops beyond their elastic limits.

2,183,636
CARBURETOR MECHANISM

Russell G. Berry, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application May 28, 1937, Serial No. 145,239
3 Claims. (Cl. 261—34)



1. In a carburetor, a main fuel chamber, an accelerating pump comprising a cylinder having a restricted communication with said chamber and a piston therein, a restricted outlet nozzle for said pump, an auxiliary cylinder communicating with said pump cylinder, a plunger in said auxiliary cylinder, and opposing springs normally maintaining said plunger in an intermediate rest position in said auxiliary cylinder, said plunger and auxiliary cylinder forming a resiliently expansible chamber for receiving a part of the normal pump discharge and for producing a delayed discharge therefrom and also forming a contractible chamber for supplying fuel to said pump cylinder during rapid charging movement of said piston.

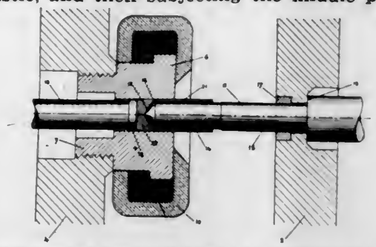
2,183,637
PRODUCTION OF TUBULAR METAL CASES SUCH AS CARTRIDGE CASES

Oreste Biginelli, Clermont-Ferrand, France

Application June 23, 1937, Serial No. 149,856
In France August 1, 1936
2 Claims. (Cl. 29—1.3)

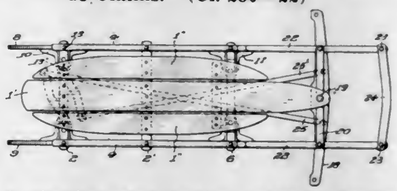
1. The method of forming a metallic case from

a solid piece of metal by reverse extrusion, said method comprising in combination, the steps of placing said piece of metal in contact with a heated body to heat said piece until it becomes plastic, and then subjecting the middle portion



of the heated piece of metal to pressure to cause the edge portions thereof to flow in a direction opposite to that of said pressure and to form a tubular member, such as a cartridge case, and then removing said tubular member from contact with said body while the latter is heated.

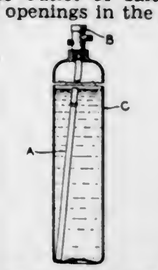
2,183,638
SLED
James Monroe Bowen, Cape May Court House, N. J., and Frank G. Birkhead, Philadelphia, Pa., assignors to S. L. Allen & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 30, 1936, Serial No. 118,276
18 Claims. (Cl. 280—22)



1. A steering sled having laterally bendable runners, a deck disposed therebetween, means for holding a part of each runner laterally fixed with respect to the deck, brackets carried by the runners remote from said means, a slidable cross bench carried by one of the brackets on each runner affording vertical support to the forward part of the deck, a second bench rigidly secured to the deck in rear of the first bench having pivotal connections with another bracket on each runner, a steering bar pivoted to the forward end of the deck and means interposed between the steering bar and the pivoted brackets adapted to oscillate said brackets in correspondence with movements of the steering bar to thereby bend the runners laterally to slide the first bench transversely of the deck.

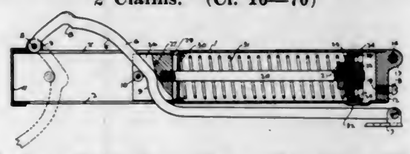
2,183,639
EDUCTION DEVICE
John N. Burdick and Eric E. Sommer, Buffalo, N. Y., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application January 6, 1937, Serial No. 119,285
11 Claims. (Cl. 62—1)

1. Means for educting a uniform mixture of compressed liquefied gases having different vapor tensions from a pressure vessel container, comprising; an eductor within said vessel having an inner and outer chamber formed by a tube enclosed in a concentric jacket member, said jacket member being spaced from said tube to provide in said outer chamber a capacity substantially twice that of said inner chamber; means connecting the inner chamber provided by said tube with the outlet of said vessel; vertically spaced outlet openings in the otherwise impervi-



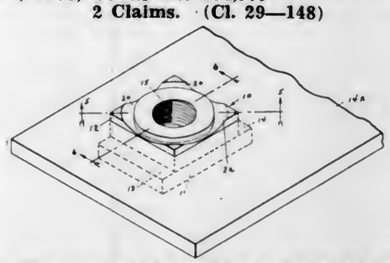
ous wall of said jacket member, and fluid communication between the inner and outer chamber in the lower end of said tube.

2,183,640
DOOR CLOSER
Leroy Cornwell, Spokane, Wash.
Application January 31, 1938, Serial No. 187,919
2 Claims. (Cl. 16—70)



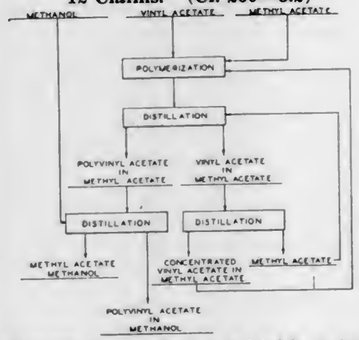
1. In a door closer the combination with a slotted pivotally mounted cylinder having an interior annular shoulder, and a perforated washer at one side of the shoulder, of a slotted block reciprocable in the cylinder and located at the other side of the shoulder, said annular shoulder forming a stop for the washer and for the block, a piston in the pivotal end of the cylinder, a stem for the piston passing through the washer and fixed to the block, a spring interposed between the piston and the washer, an angular lever having a rigid pivotal mount adjacent one side of the cylinder and passing through the slotted cylinder and the slotted block and a pivotal connection for the other end of the lever mounted on the cylinder at its opposite side.

2,183,641
METHOD OF ATTACHING CLINCH NUTS
Plummer E. Double, Detroit, Mich.
Original application May 26, 1936, Serial No. 81,887, now Patent No. 2,110,039, dated March 1, 1938. Divided and this application January 12, 1938, Serial No. 184,579
2 Claims. (Cl. 29—148)



1. The method of attaching a flat sided flanged nut to a plate-like member which consists of perforating said plate with an aperture adapted to receive the body of said nut, extending the body of the nut through said aperture, pressing the inner sides of the laterally extending flanges against the said plate-like member, and then slightly expanding the flat sides of the nut and simultaneously expanding the corners of the nut and aperture to permanently secure the parts together.

2,183,642
PROCESS FOR THE POLYMERIZATION OF VINYL ESTERS
Alfred W. Downes, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application October 29, 1937, Serial No. 171,606
12 Claims. (Cl. 260—3.2)

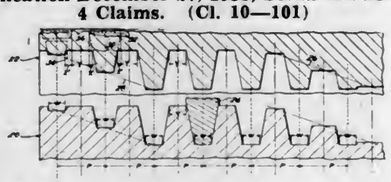


1. Process for producing a highly polymerized vinyl resin which comprises polymerizing a single vinyl ester of a lower saturated aliphatic acid when dissolved in methyl acetate, the presence of the methyl acetate permitting a high proportion of the vinyl ester to become highly polymerized.

2,183,643
MANUFACTURE OF CELLULOSE
Henry Dreyfus, London, England
No Drawing. Application May 5, 1937, Serial No. 140,895. In Great Britain May 5, 1936
6 Claims. (Cl. 92—9)

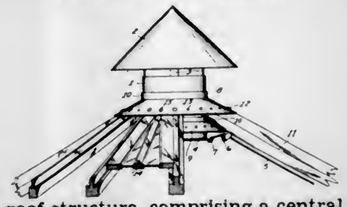
1. In a process for obtaining cellulose from wood and other lignin-containing cellulosic materials by treating the materials at elevated temperatures with nitric acid in amount sufficient to convert all the lignin into alkali-soluble oxidation products and subsequently washing the materials with alkali to dissolve such products out of the materials, employing the nitric acid in admixture with at least 10 times the weight of the materials of an aqueous lower fatty acid of concentration between 15 and 75%.

2,183,644
THREADED JOINT AND APPARATUS FOR MAKING IT
William M. Frame, Ben Avon, Pa., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 27, 1938, Serial No. 247,782
4 Claims. (Cl. 10—101)



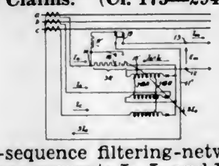
3. A thread chaser for cutting a modified Acme-type thread, said chaser having thread teeth cut thereon on a constant pitch, the said thread teeth having roots of a constant width and crests of a progressively greater width outwardly of the thread run-outs.

2,183,645
VENTILATOR AND ROOF SUPPORT
Ray C. Hansen, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application February 6, 1939, Serial No. 254,789
2 Claims. (Cl. 108—32)



2. A roof structure, comprising a central ventilator element having spaced flanges inclined at an angle corresponding to the pitch of said roof, aligned openings in said flanges, a plurality of radially extending rafters having lateral roof supporting means thereon received between said flanges and rigidly secured by means extending through certain of said openings, and triangular roof panels received between said flanges and between said rafters and secured solely by means extending through other of said openings.

2,183,646
RELAYING APPARATUS
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a croporation of Pennsylvania
Application January 3, 1938, Serial No. 183,044
25 Claims. (Cl. 175—294)



1. A phase-sequence filtering-network responsive to the three currents I_a, I_b and I_c in a three-phase device, comprising a plurality of means including impedance devices and circuits for obtaining responses to the several functions I_aZ_a, I_bZ_b, I_cZ_c and $(I_a+I_b+I_c)Z_n$, respectively, where Z_a, Z_b, Z_c and Z_n are impedances, and means for producing, in effect, a measuring circuit in which are vectorially added the impedance-drops I_aZ_a, I_bZ_b, I_cZ_c and $\pm(I_a+I_b+I_c)Z_n$, characterized by such values of the impedances Z_a, Z_b and Z_c that the negative-sequence responses make

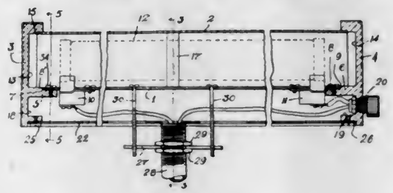
$$I_{2a}Z_a+I_{2b}Z_b+I_{2c}Z_c=0$$

where I_{2a}, I_{2b} and I_{2c} are the negative-sequence symmetrical components of I_a, I_b and I_c, Z_n having such a value that the network has a resultant zero-sequence response.

2,183,647
LIGHTING FIXTURE
Dean H. Holden, Cleveland, Ohio
Application August 5, 1937, Serial No. 157,580
4 Claims. (Cl. 240—6)

1. In a lighting fixture, the combination of a

base member, a lamp disposed longitudinally of said base member, and a cover member of curved cross-section and adapted to partially enclose said lamp, end members extending transversely from each end of said base member, said end members having recesses for the reception of the ends of said cover member, said recesses being of



a greater depth than the difference between the length of said cover member and the distance between the opposing surfaces of said end members, whereby said cover member is removably insertable between said end members, and resilient means for urging said cover member against the side walls of said recesses.

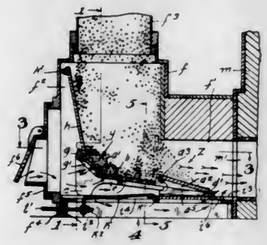
2,183,648

GRATE FOR SAWDUST BURNERS

Erik H. Johnson, Portland, Oreg.

Application June 20, 1938, Serial No. 214,675

2 Claims. (Cl. 110—7)



1. In a burner of the character described comprising a housing, a fuel feed chute therefor, a damper door, a grate positioned within said housing consisting of an inclined perforated bed plate provided at its outer end with a greater inclined slotted portion against the top of which rests the lower end of a fuel guiding plate which in turn is hingedly mounted within said housing, a base for said grate, a cross bar at the inner end thereof, a plate slidably mounted on said base and controlled from without said housing, whereby a flow of air may be directed and controlled between the inner end of said plate and said cross bar and into the furnace.

2,183,649

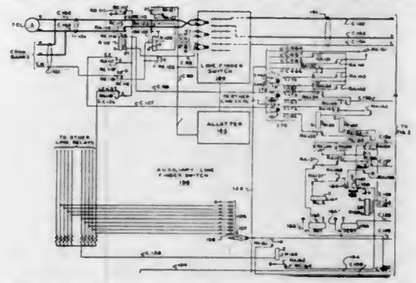
AUTOMATIC TELEPHONE SYSTEM

Frederick Ludwig Kahn, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application January 8, 1938, Serial No. 184,043

28 Claims. (Cl. 179—27)

1. In an automatic telephone system, a plurality of subscribers' lines, each of said lines being identified by a particular character, a plurality of subscriber-controlled automatic switches for setting up connections between said lines, an operator's station, means for establishing a connection between a calling one of said lines and said operator's station, and means controllable from said station for locking out said call-



ing line and for indicating the character identifying said calling line.

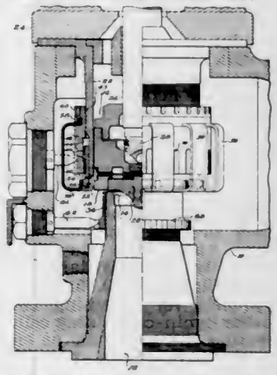
2,183,650

RELIEF VALVE

Erling Klafstad, Melrose, and Gordon L. Gundersen, Wollaston, Mass., assignors to Crosby Steam Gage & Valve Company, Boston, Mass., a corporation of Massachusetts

Application November 16, 1937, Serial No. 174,816

13 Claims. (Cl. 137—53)



9. A relief valve, comprising a casing having a fluid discharge orifice terminating in a seat, a closure member cooperating with the seat to control flow through the orifice, means for loading the member, and thermally responsive means for variably defining the discharge path of escaping steam annularly about the seat in accordance with variations in temperature of the escaping fluid.

2,183,651

MULTIPLE CONTACT CONNECTOR

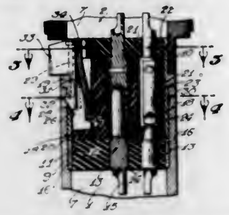
Arthur L. Langston and James I. MacDonald, Los Angeles, Calif.; said Langston assignor to said MacDonald

Application August 24, 1936, Serial No. 97,518

2 Claims. (Cl. 173—328)

1. A cable connector for multiple conductor cables, comprising: a body of insulation material having a plurality of terminal receiving chambers and a latch receiving recess; terminals fitting in said chambers; a housing enclosing an end of said body and incorporating a reinforcing shell closely fitting and supporting said body throughout its length, there being a guard flange at the base end of said shell; a catch member set in said latch receiving recess and including a thumb

button and catch element; said shell having openings therein to receive said thumb button and catch element, the thumb button being positioned adjacent to and partially protected by said



flange and the catch element being positioned outwardly therefrom; and a coacting terminal receiving housing including a portion adapted to telescope over said shell and having an internal groove to receive said catch element.

2,183,652

MANUFACTURE OF AMINO COMPOUNDS OF THE ANTHRAQUINONE SERIES

Geoffrey Lord and George Reeves, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 11, 1938, Serial No. 184,397. In Great Britain January 20, 1937

10 Claims. (Cl. 260—378)

1. Process for the manufacture of amino and aliphatically substituted amino derivatives of anthraquinone, which comprises reacting with an agent selected from the group consisting of ammonia and aliphatic amines, in the presence of a compound of a metal capable of forming a complex nitrogenous compound with a nitrogenous base, and in a reaction medium which consists apart from the reactants substantially entirely of a dilute aqueous solution of caustic alkali, an anthraquinone compound which is at least slightly soluble in dilute aqueous solutions of caustic alkali and which contains in one of the 1- and 4- positions a substituent hydroxy radicle and in the other of such positions a radicle selected from the group consisting of the hydroxy, amino and substituted amino radicles, so as to replace a hydroxy radicle by a residue of the agent employed.

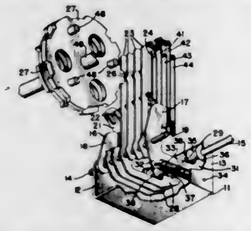
2,183,653

CONTROL SWITCH

Tony P. Miller, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application October 18, 1937, Serial No. 169,625

10 Claims. (Cl. 178—69)



1. In a transmitting apparatus, a set of transmitting contacts, a set of transmitting contact controlling members, a cylinder having control characteristics thereon for establishing a fixed setting of said controlling members, and a set of code discs having miscellaneous message matter stored therein for effecting a progressively changeable setting upon said controlling members.

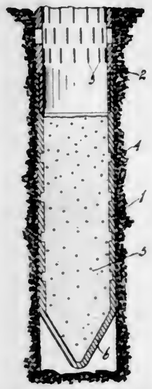
2,183,654

SAFETY LINER SHOE

George W. Moore, Long Beach, Calif.

Application July 11, 1938, Serial No. 218,579

10 Claims. (Cl. 166—1)



1. The method of indicating the bottom of the perforated pipe section of a fully drilled well to the operator of a bailer consisting of placing frangible or recoverable material at the lower end of an oil well liner.

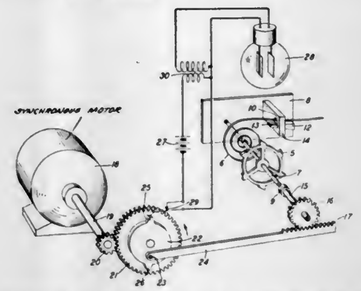
2,183,655

MEANS FOR ADJUSTING VIBRATING SYSTEMS

Edmund R. Morton, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

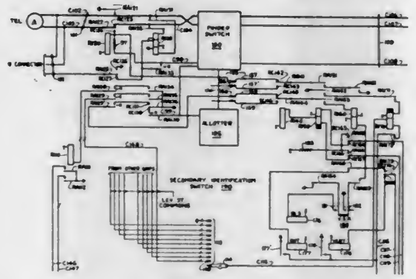
Application May 7, 1936, Serial No. 78,360

5 Claims. (Cl. 73—51)



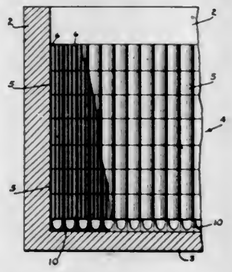
1. Apparatus for adjusting a vibrating system to a desired frequency, comprising means independent of the vibrating system to be adjusted for driving said vibrating system at a constant predetermined frequency, a loose coupling between said vibrating system and said driving means, stroboscopic means for observing the phase angle between said driving means and vibrating system, and means engaging said vibrating system for adjusting said phase angle to a predetermined value.

2,183,656
AUTOMATIC TELEPHONE SYSTEM
John Ellis Ostline, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 12, 1938, Serial No. 190,181
32 Claims. (Cl. 179—27)



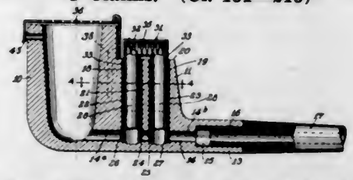
1. In an automatic telephone system, a plurality of subscribers' lines, each of said lines being identified by a particular character, a plurality of subscriber controlled automatic switches, including a group of selector switches, for setting up connections between said lines, an operator's station, each of said selector switches including a set of bank contacts terminating a trunk line extending to said operator's station, whereby a connection may be established by way of said trunk line between a calling one of said lines and said operator's station, line lockout means associated with the calling line, indicating means commonly associated with said plurality of lines, and means controllable from said operator's station for causing said indicating means to indicate the character identifying said calling line and for causing said lockout means to lock said calling line out of service.

2,183,657
AEROBIC FILTER
Arthur A. Page, Red Wing, Minn.
Application November 26, 1934, Serial No. 754,811
3 Claims. (Cl. 210—7)



1. A trickling filter open to atmosphere for purifying sewage water by aerobic bacterial action, comprising a bed composed of a plurality of superposed and laterally adjacent prefabricated units arranged in predetermined relationship, each unit having a plurality of holes extending therethrough and all of said units being arranged with their holes disposed in substantially the same direction, the superposed units being arranged with the walls of their holes in substantially vertical alignment.

2,183,658
SMOKING PIPE
Milton Schnaier, New York, N. Y.
Application July 16, 1937, Serial No. 153,933
3 Claims. (Cl. 131—213)



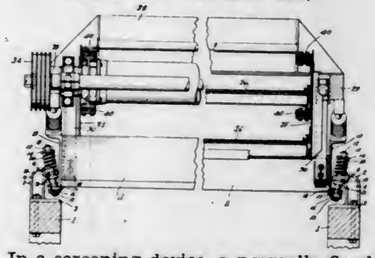
2. A smoking pipe comprising a bowl having an extended wall portion, a stem, a smoke conducting passage including a portion in said stem and ascending and descending portions in said extended wall portion open at the outer ends to provide sockets, a tubular bridging member including an intermediate portion and depending end portions removably disposed in said sockets for communicatively connecting said ascending and descending portions, said end portions serving to removably receive absorbent elements, and means for maintaining the inner ends of the absorbent elements spaced from the opposing wall of the intermediate portion.

2,183,659
NEEDLE LUBRICATOR
Elias Stein, Boston, Mass.
Application June 16, 1939, Serial No. 279,424
5 Claims. (Cl. 112—256)



1. A lubricating device for use in a sewing machine of the kind in which a needle moves up and down through an opening in a work support, said device comprising an applicator disposed beneath the work plate and so located with respect to the needle path as to be engaged by the needle while the latter is below the work plate, and means for supporting the applicator in operative position.

2,183,660
SCREEN
Loren G. Symons, Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 12, 1936, Serial No. 100,417
2 Claims. (Cl. 209—409)



2. In a screening device, a normally fixed base, an intermediate frame member positioned above said base, a plurality of yielding supporting connections between said base and said intermediate frame member, aligned along a pair of opposite sides only of said frame member, said yielding connections including stems secured to said intermediate frame member, abutments on said base, and coil springs surrounding said stems and compressed against said abutments, whereby a substantially longitudinal vibratory movement of the intermediate frame member in relation to the base, and relative vertical movement of the frame member in relation to the base are permitted, a screen deck yieldably mounted on said intermediate frame member for longitudinal vibratory movement in relation thereto, and means for vibrating said screen deck.

2,183,661
PROCESS OF COLORING PHOTOGRAPHIC IMAGES
Lyne Starling Trimble, Los Angeles, Calif., assignor to Cinecolor, Incorporated, Los Angeles, Calif., a corporation of California
No Drawing. Application January 3, 1938, Serial No. 183,121
18 Claims. (Cl. 95—88)

4. The process of producing a Prussian Blue photographic image from a silver image which includes: treating said silver image with a solution containing ferric ions and halide ions; treating the resultant image with a solution of soluble ferrocyanide; converting said image thus formed to ferrous ferrocyanide; oxidizing the resultant image to ferric ferrocyanide; and removing the silver salt present in said image.

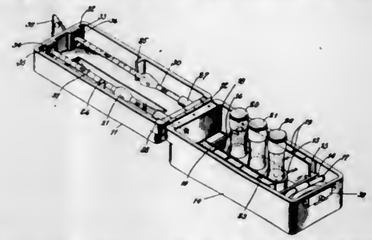
2,183,662
NAIL-POLISH REMOVER DISPENSER
Harry E. Warr, Wilkinsburg, and Earl H. Schwab, Pittsburgh, Pa.
Application December 14, 1938, Serial No. 245,596
3 Claims. (Cl. 221—85)



1. In a pump-operated fluid dispenser including a tubular plunger rod, a dished receiver attached to the discharge end of said rod and being formed with a pocket to receive the fluid ejected from said rod by the operation of the pump, and an absorbent element mounted in said pocket for confining the ejected fluid to said receiver.

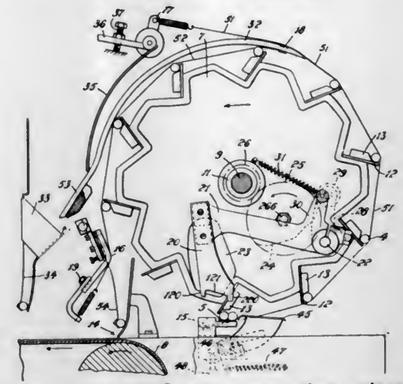
2,183,663
HEMATOLOGICAL CASE
James Alfred Wilson and Norman S. Hobson, Meriden, Conn., assignors to Bard-Parker Company, Inc., Danbury, Conn., a corporation of New York
Application September 10, 1937, Serial No. 163,255
3 Claims. (Cl. 206—12)

3. A hematological case comprising an elongated box, a cover hinged to the box and provided with a broad enclosure and a narrow recess opening into the broad enclosure, an upstanding boss secured to the bottom of the box



and provided with a series of open sockets disposed beneath the narrow recess in the cover, and means disposed in the broad enclosure of the cover for holding a plurality of pipettes.

2,183,664
CONVEYANCE OF CIGARETTES
Cyril Best, Deptford, London, England, assignor to Molins Machine Company Limited, Deptford, London, England
Application May 31, 1938, Serial No. 210,977
In Great Britain June 30, 1937
5 Claims. (Cl. 131—25)

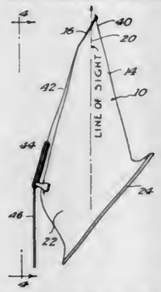


1. In apparatus for conveying cigarettes through a curved path, a conveyor comprising two adjoining surfaces disposed in non-parallel planes, a thin smooth flexible band which partly encircles the path of the conveyor and relatively to which a cigarette engaged by the conveyor is movable, a rigid anchorage for that end of the band which is adjacent the part thereof which is first engaged by a cigarette, and an adjustable anchorage connected with the opposite end of the band to tension the band in the direction of movement of the conveyor to an extent such that movement of a cigarette into engagement with the band by the conveyor causes the band to yield and to retain the cigarette against said surfaces of the conveyor so that movement of the cigarette relatively to the conveyor is substantially avoided.

2,183,665
PEEPERS
Thomas D. Blue, Charlottesville, Va.
Application March 15, 1939, Serial No. 262,035
17 Claims. (Cl. 54—11)

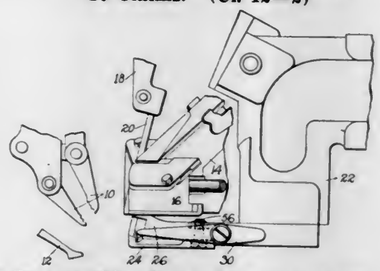
1. Animal blinkers comprising a mount for

connection with the head of the animal, sight tubes carried by the mount axially aligned with



the eyes of the animal, and means for closing the sight tubes.

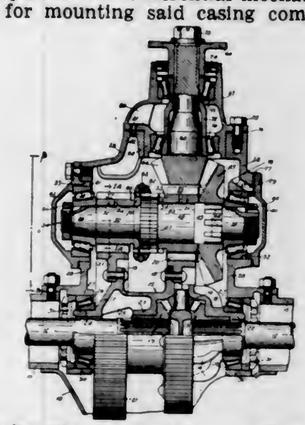
2,183,666
LASTING MACHINE
William Neil Bray, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 7, 1939, Serial No. 260,355
In Great Britain March 30, 1938
10 Claims. (Cl. 12—2)



1. In a machine for working uppers over lasts, a tack block and wiper arranged for movement from a rearward position where the tack block receives a tack to a forward position where the wiper wipes the upper over the last bottom, means for supplying tacks to the tack block when in its rearward position, and means for driving a tack when the tack block is in its forward position, the tack block and wiper having a removable end piece which can yield forwardly in case the driver or a part thereof remains projecting from the tack block and hits the separator when the tack block is returned to its rearward position.

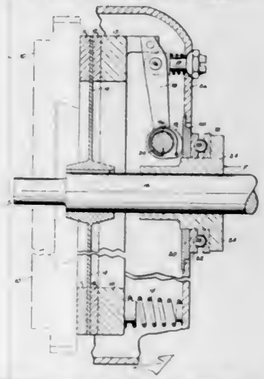
2,183,667
DUAL RATIO DRIVE AXLE
Lawrence Ray Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application May 28, 1936, Serial No. 82,357
9 Claims. (Cl. 74—327)

1. In a dual ratio axle, a differential unit comprising an outer wall and three axially spaced sleeves rigidly joined together by said outer wall, the middle sleeve and one of the end sleeves cooperating to form a chamber, a differential mechanism mounted in said chamber and having side gears journalled in the middle sleeve and said one end sleeve, a pair of ring gears secured to said outer wall, one of said ring gears being adjacent the other of said end sleeves and the other of said ring gears being substantially centered with respect to said differential mechanism, and means for mounting said casing comprising a



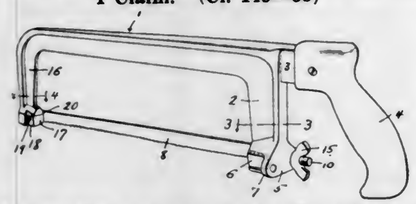
pair of bearing members surrounding the end sleeves.

2,183,668
AUTOMATIC ADJUSTMENT MEANS
Otto M. Burkhardt, Euclid, Ohio
Application July 5, 1935, Serial No. 29,804
5 Claims. (Cl. 192—111)



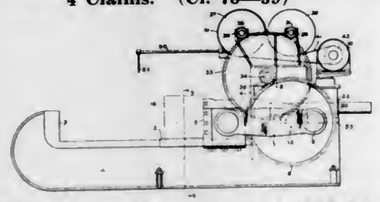
4. In a clutch mechanism including a pair of coaxial relatively rotatable members having coacting friction clutch surfaces, means supporting the elements for axial movement relatively toward and away from each other, resilient means urging the elements relatively together, means including a lever for moving the elements relatively apart, a prime moving element controllable by an operator for moving the lever, a fixed abutment on the lever, a movable abutment mounted on the fixed abutment and having a surface engaged by the prime moving element for operation of the lever by the prime moving element, means including the configuration of the abutments operative in a manner tending to cause successive slight uniform increments of movement of the movable abutment relative to the fixed abutment irrespective of wear on the friction clutch surfaces upon successive applications and release of the pressure applied by the prime moving element to change very slightly and progressively the relative distance between the instantaneous contacting portion of said surface, with the prime moving element, and the fixed abutment.

2,183,669
HACKSAW
Theodore Chucto, Rockaway Park, N. Y.
Application July 18, 1939, Serial No. 285,150
1 Claim. (Cl. 145—33)



A hacksaw comprising a substantially U-shaped frame including an enlargement on one end, said enlargement having open channels in its side portions extending thereinto from the forward end thereof, laterally projecting, apertured ears integral with the enlargement and closing the channels at their rear ends, a connector for adjustably and detachably securing a blade to the enlargement, said connector comprising a head selectively engageable in the channels and slidable therein, a shank on the head insertable through the apertured ears, a nut threaded on said shank and engageable with the ears for tightening the blade, and means on the head for connection with the blade, and means for connecting the blade to the other end of the frame.

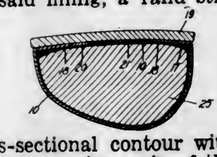
2,183,670
BULLDOZER
William W. Criley, Cleveland, Ohio
Application January 17, 1938, Serial No. 185,260
4 Claims. (Cl. 78—39)



1. A bulldozer comprising a rigid frame, a slideway on the frame, a slide reciprocable along and guided laterally by the slideway, spaced main cranks having a common rotatable axis disposed normal to the direction of reciprocation of the slide, spaced arms connecting the cranks and slide in spaced relation to each other, a rigid guide bar extending from the slide toward and beyond the rotatable axis of the cranks, a rigid guide bearing carried by the frame and positioned beyond the rotatable axis of the crank shaft from the slide and between the crank arms, and slidably accommodating the bar and constraining the bar and slide from tilting action relative to the slideway.

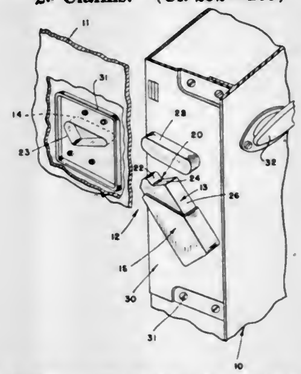
2,183,671
FLEXIBLE SHOE
Michele Cuozzo, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 24, 1938, Serial No. 186,549
3 Claims. (Cl. 36—12)

1. An unwelted single-sole shoe comprising a shank piece, an upper having its margin secured to the shank piece in the heel and shank portions of the shoe and having a full vamp lining, said lining extending across the bottom of the shoe from opposite sides thereof and having its opposed marginal portions overlapping and adhesively connected together along a central longitudinal portion of the forepart, the forepart margin of the upper being connected in secured relation to said lining, a rand strip of wedge-



shaped cross-sectional contour within the shoe overlying the forepart margin of the upper, said strip having a thick outer edge and a thin inner edge and extending to reinforce the edge of the shoe, and a tread sole cement attached in underlying relation to the upper margin.

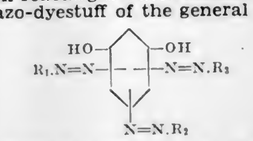
2,183,672
LATCH MECHANISM
William C. Devereaux, Detroit, Mich.
Application September 2, 1938, Serial No. 228,202
20 Claims. (Cl. 292—169)



1. In a latch mechanism for a door hinged at one edge for swinging movement, a bolt mounted on the swinging edge face of a door for sliding movement in a plane parallel to the swinging edge face of the door and in a direction extending generally transversely of the plane of the door, means on the swinging edge face of the door restraining sliding movement of the bolt in directions extending generally transversely of the plane of the door, and means on the bolt cooperating with a keeper to positively hold the door in a partially closed position.

2,183,673
COPPER COMPOUNDS OF PRIMARY RESORCINOL TRISAZO-DYESTUFFS AND THEIR MANUFACTURE
Fritz Dobler and Hans Buess, Basel, Switzerland, assignors to the firm J. R. Geigy S. A., Basel, Switzerland
No Drawing. Application June 29, 1937, Serial No. 151,064. In Switzerland July 13, 1936
18 Claims. (Cl. 260—145)

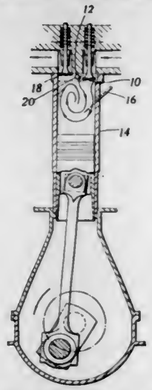
1. A process for the production of copper compounds of primary resorcinol trisazo-dyestuffs, consisting in reacting a water soluble copper salt with a trisazo-dyestuff of the general formula



wherein R_1 means the radical of the first cou-

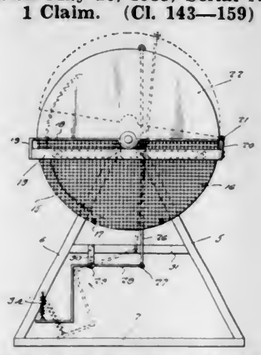
pled diazo-compound made from a negatively substituted orthoaminophenol, R_2 means the radical of the secondly coupled diazo-compound made from any desired aromatic amine and R_3 means the radical of the finally coupled diazo-compound made from an aminodiphenylamine sulphonic acid, the trisazo-dyestuff being made in this order of coupling in alkaline solution.

2,183,674
INTERNAL COMBUSTION ENGINE USING HYDROGEN AS FUEL
Rudolf Arnold Erren, London, England
Application September 10, 1936, Serial No. 100,201
In Great Britain September 12, 1935
1 Claim. (Cl. 123—27)



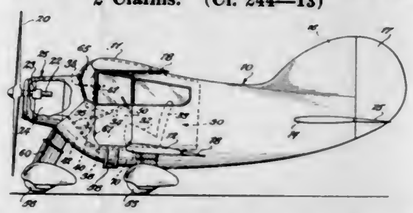
In an internal combustion engine, a cylinder, a piston of uniform diameter throughout reciprocable in said cylinder, said cylinder having a head at one end, valve means at the head end of the cylinder for supplying a mixture of oxygen and an inert gas, said valve means being flared to spread the entering gases and a hydrogen inlet pipe opening into said cylinder at a point traversed by the piston and spaced from the head end of said cylinder, said piston cutting off the inlet of said pipe.

2,183,675
SAW GUARD
Edward William Griebling, Freehold, N. J.
Application May 16, 1938, Serial No. 208,266
1 Claim. (Cl. 143—159)



A saw guard for circular saws comprising an oval shaped guard frame, a pair of flat semicircular screen sections secured to the sides of said frame and positioned in spaced parallel relation at opposite sides of the saw said screen sections being open at their edge portions, a movable guard section including a pair of flat spaced semicircular side walls closed at their edge portions and adapted to enclose the remaining portion of the saw and hingedly secured at one edge to said frame, a link depending from said movable guard section, a bell-crank lever pivotally mounted intermediate its ends, said link being pivotally attached at its lower end to one end of said bell-crank lever, a foot treadle at the opposite end of said bell-crank lever and spring means attached to said bell-crank lever for yieldably maintaining the upper guard section in a lowered position.

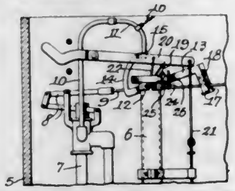
2,183,676
AIRCRAFT
Joseph M. Gwinn, Jr., Buffalo, N. Y.
Application November 20, 1937, Serial No. 175,671
2 Claims. (Cl. 244—13)



1. In an airplane of the tractor type having a fuselage, an engine mounted at the forward end of said fuselage and completely encased by a housing of substantially uniform sectional dimensions throughout its length, said housing joining at its rear end a section of said fuselage which expands both in side view and plan view rearwardly from the junction with said housing to an enlarged portion thereof enclosing a passenger compartment having a floor and a passenger seat, a passenger doorway through a side wall portion of said passenger compartment adjacent said floor and ahead of said seat, a wing extending from opposite side wall portions of said passenger compartment and disposed aft of the rear edge of said doorway, a longitudinal stabilizer for said airplane mounted upon said fuselage and disposed aft of said wing, a tricycle type landing gear including a pair of directionally fixed wheels connected at opposite sides of said fuselage and aft of the center of gravity of the loaded airplane and a single castering wheel forwardly of said center of gravity and along the plan view center line of said fuselage and connected thereto adjacent the junction between the rear end of said engine housing and the forward end of said expanding fuselage portion, a propeller mounted upon a shaft extending forwardly from said engine, the junction between the upper rear portion of said housing and said expanding fuselage portion being a substantial distance aft of the junction between the lower rear portion of said housing and said expanding fuselage portion whereby a space for accommodating the feet of the passengers is provided in said passenger compartment in the region of said expanded fuselage portion and below the rear end portion of said housing and said engine is located close to the center of pressure of said wing without interfering with the comfortable seating accommodation of said passengers, and a door for said passenger doorway hingedly mounted at its forward edge portion upon said fuselage between said engine and said wing and swingable toward open position in such manner

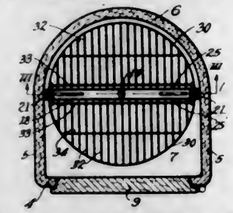
as to constitute a guard between said propeller and the line of passenger approach to said doorway.

2,183,677
WATER CONTROL FOR FLUSH TANKS
Frank M. Heath, Silver Spring, Md.
Application September 2, 1939, Serial No. 293,291
10 Claims. (Cl. 4—18)



1. The combination with a flush tank overflow pipe and water feed pipe for directing water to the overflow pipe, of a flexible pipe section connected to the free end of said water feed pipe and adapted to direct water to said overflow pipe, and means controlled by the action of the water passing into the flush tank for moving said flexible pipe section to discharge water either into said overflow pipe or directly into said tank at predetermined intervals.

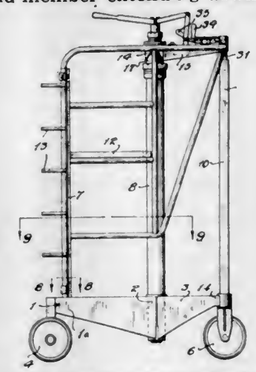
2,183,678
REFRIGERATOR
Clifton E. Herman, Columbus, Ohio
Application October 8, 1938, Serial No. 234,024
6 Claims. (Cl. 62—89)



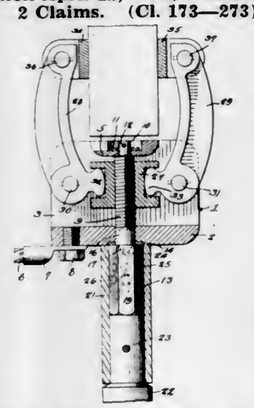
1. A refrigerator comprising a cabinet, cooling means disposed in the upper portion of said cabinet, a vertically extending hollow partition positioned in said cabinet with its open upper end in close proximity to said cooling means, said partition being provided with outlets adjacent its lower end, semicircular shelves supported by the sides of said partition, and means for supporting said partition for swinging movement around its longitudinal axis.

2,183,679
PORTABLE HYDRAULIC HOIST OR MOVABLE SCAFFOLD
David R. Hillis, Detroit, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application July 12, 1938, Serial No. 218,888
7 Claims. (Cl. 304—9)

1. In an apparatus of the kind described, a movable base, a vertically adjustable platform supported on said base, a steering wheel forming part of the support of said base, having a vertical arbor rotatable in a bearing in said base, a hollow member forming an upward extension of said arbor, a member extending downward from said platform into the first mentioned member adapted to slide longitudinally in the same but restrained from turning relative thereto, and means operable from said platform for turning said member extending downward therefrom, means for rotating said wheel to move said base, an extensible means passing axially through said members adapted to actuate said rotating means, and means operable from said platform for actuating said extensible means.



2,183,680
CLAMP FOR GROUNDING ELECTRICAL EQUIPMENT
William T. Kahliff, Elyria, Ohio
Application April 12, 1938, Serial No. 201,614
2 Claims. (Cl. 173—273)



1. A device for grounding electrical equipment, comprising a head, means for attaching a conductor to a part of the device, gripping mechanism carried by the head, a rotatable member journaled in the head and constituting means for operating the gripping mechanism, the rotatable member including a foot disposed below the head, a socket wrench shaped to receive the foot, the wrench and the foot including elements which connect them for rotation together, the head and the wrench having vertically-acting cam parts which connect the wrench releasably to the head and temporarily prevent the rotatable member from being turned, and the gripping mechanism actuated, whilst the device is being raised to working position, the cam parts coacting, when the wrench is turned forcibly, to move the wrench downwardly to a position in which the cam parts will not interfere with a free turning of the rotatable member, by

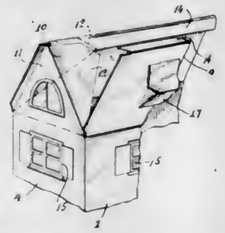
means of the wrench, and an operation of the gripping mechanism, and an automatically-acting latch carried by the foot, the wrench having longitudinally-spaced upper and lower seats, the latch engaging the lower seat whilst the cam parts are interengaged, the latch engaging the upper seat, after the cam parts have been disengaged, to hold the cam parts out of engagement and to permit a free rotation of the wrench and the rotatable member.

2,183,681

FOLDING CONTAINER

Ray W. Krout, Paterson, N. J., assignor to Charms Company, Bloomfield, N. J., a corporation of Delaware

Application November 29, 1938, Serial No. 242,988
2 Claims. (Cl. 46—11)



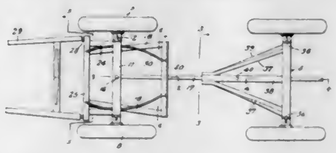
1. A container having four sides, a hinged triangular extension at the top edges of each of two opposite sides of the container, a flexible wing extending from each of said extensions, a hinged cover member attached to the top edge of each of the remaining two opposite sides and each having a flexible portion along its free edge, said extensions and said members being capable of taking overlapped positions to close the top or being set up with said wings projecting inward and said portions inserted between the wings of each extension to cause said members to provide a gable roof for said container.

2,183,682

WAGON

William E. Kudrna, Bunnell, Fla.

Original application June 26, 1937, Serial No. 150,613. Divided and this application September 22, 1938, Serial No. 231,266
2 Claims. (Cl. 280—80)



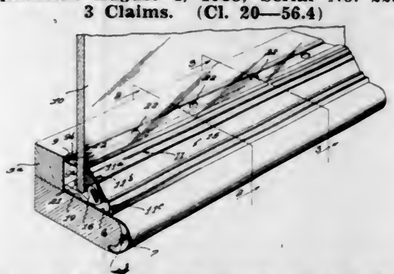
1. In a wagon construction of the character described, a bolster comprising upright members rising adjacent each side of the wagon, a web plate on the lower portion of the opposed faces of said upright members, a horizontal bolster member supported on the upper ends of said web plate, the ends of said horizontal bolster member abutting the respective uprights and a reinforcing web on the outer faces of the upper portion of said uprights above the horizontal bolster member.

2,183,683

WINDOW PANE HOLDING DEVICE AND THE LIKE

Louis Lamer, Ramsey, N. J.

Application August 4, 1938, Serial No. 223,086
3 Claims. (Cl. 20—56.4)



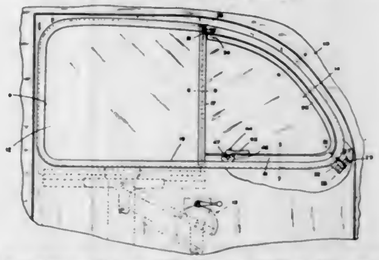
1. In a window construction or the like including a frame and front and rear glass engaging members, the combination of an I-shaped re-inforcing member incorporated in said front member, and frame-carried drawing means positioned inwardly of and concealed by said front member and connected to one edge of the said reinforcing member whereby when the drawing means is operated it will draw the said front member toward the said rear member.

2,183,684

VENTILATING WINDOW CONSTRUCTION

Guy M. Lane, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York

Application February 23, 1937, Serial No. 127,279
4 Claims. (Cl. 296—44)



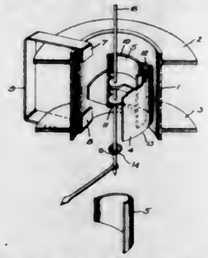
1. A composite ventilating window for vehicle bodies having a window opening, comprising an assembly adapted for insertion as a unit in the window opening from one side of the opening, said assembly having an enclosing border frame for said opening provided with a continuous garnish molding portion extending generally laterally from the plane of the window opening and having an integral channel-shaped portion, a closure panel pivotally mounted in the channel-shaped portion of the border frame on pivots carried by the channel-shaped portion and predeterminedly arranged to effect movement of the top and front edge of the panel in an inward direction from the plane of the channel-shaped portion of the border frame and to effect an outward movement of the rear and bottom edge portions of the panel, said panel effective when swung to its closed position in the border frame to close the portion of the window opening defined by the channel-shaped portion of the frame, and a second panel mounted for vertical sliding movement in the plane of the first panel when the latter is in its closed position to close the remaining portion of the window opening.

2,183,685

CURRENT RESPONSIVE APPARATUS

Gustav Lingg, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application January 8, 1938, Serial No. 184,079
In Germany January 11, 1937
2 Claims. (Cl. 171—95)



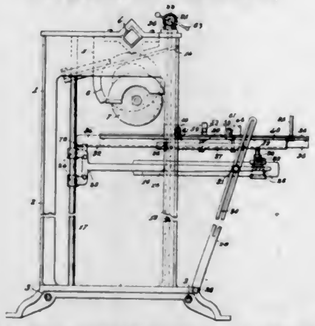
2. A current responsive instrument comprising a current conducting coil, a movably mounted vane of magnetizable material in inductive relation to said coil and tapering in the upscale direction, an attraction iron extending into said coil mounted at the upscale end of the path of said vane and means for resiliently opposing movement of said vane in the upscale direction.

2,183,686

ATTACHMENT FOR GRINDING MACHINES

Harry W. Miller, Lancaster, Pa.

Application January 20, 1939, Serial No. 252,019
8 Claims. (Cl. 51—122)



1. In a grinding machine of the class described, a frame, a rotary tool and a vertically adjustable support comprising a pair of substantially horizontal arms and a transverse bar connecting said arms, in combination with guide ways having one end secured to one of said arms and the opposite end adjustably secured to said transverse bar, a carriage slidably mounted on said ways and a work holder on said carriage, substantially as described.

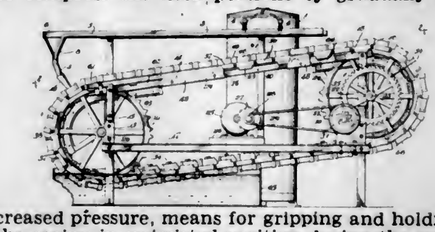
2,183,687

SAUSAGE LINK FORMING MACHINE

Joseph H. Miller, San Diego, Calif.

Application January 27, 1937, Serial No. 122,634
6 Claims. (Cl. 17—34)

1. A sausage link forming machine comprising a supporting frame, an endless conveyer of chain formation mounted on said frame, and composed of pivotally connected links, a series of arcuately formed drums carried by said conveyer and arranged and adapted for the reception of stuffed sausage casings in untwisted lengths, means for feeding said casings to said drums, means for pinching said casing at determined points to initially segregate the sausage units and form neck contractions between the same, said pinching means being arranged and adapted to compress the neck portions by gradually increased pressure, means for gripping and holding the casing in untwisted position during the neck formation by the pinching means, automatic means for partially releasing said casings from the gripping devices, and means for rotating the drums in successive order to twist the neck portions of the contained units while the other units are under restraint.

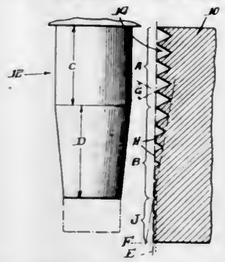


2,183,688

MEANS FOR AND METHOD OF ROLLING SCREW THREADS

Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application April 24, 1937, Serial No. 138,757
17 Claims. (Cl. 80—9)



1. Thread rolling means including die means adapted to roll a thread upon a screw blank, said die means having a working surface including a zone comprised of elongated die teeth of constant cross-sectional height and a second zone provided with elongated die teeth which, in cross-section, decrease in height as they digress laterally from the first zone for rolling the entering portion of a screw body, the outermost portions of the die teeth in the first zone lying in a common plane and the outermost portions of the die teeth in the second zone positioned so as not to extend beyond the above mentioned plane, the bottom areas between said die teeth being of uniform cross-section.

2,183,689

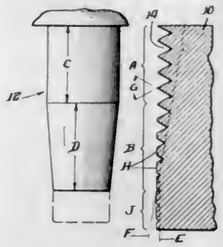
THREAD FORMING MECHANISM

Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application July 7, 1937, Serial No. 152,328
5 Claims. (Cl. 80—9)

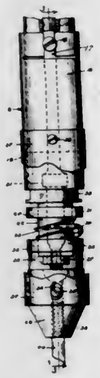
1. Thread forming mechanism including a metallic block having a working surface, said working surface including a zone comprised of elongated thread rolling die teeth of constant height

and a second zone for rolling the entering portion of a screw body and provided with elongated die teeth which longitudinally decrease in height and which decrease in height as they digress lat-



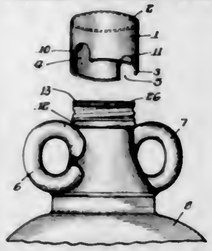
erally from the first zone, the outermost portions of the die teeth in the first zone lying in a common plane and the outermost portions of the die teeth in the second zone positioned so as not to extend beyond the above mentioned plane.

2,183,690
DENTAL INSTRUMENT
Bernard S. Ostrom, Cincinnati, Ohio
Application February 4, 1939, Serial No. 254,548
1 Claim. (Cl. 32—26)



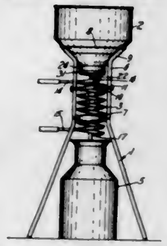
A dental instrument for removable attachment on a burr holder comprising a shaft driven by the holder, a cam positioned on the end of the shaft and comprising a flat disk mounted centrally on and at an acute angle to the shaft and having an annular groove formed in its periphery and disposed in a plane parallel to the opposed faces of said disk, cylinders mounted coaxially on the shaft and provided with adjacent and transversely inclined ends which abut the faces of the disk and means for fastening the cylinders to said shaft, a tool head adapted for reciprocation longitudinally of the shaft and comprising an exposed tool engaging portion and a carriage portion, two spaced ring members on the carriage portion which encircle the cam, a resilient cam follower mounted longitudinally on one ring member and having a horizontal spring finger disposed between the ring members and at its outer end engaging the grooved periphery of the disk, a tubular housing rigidly fastened at one end to the holder and having a longitudinal slot formed therein and a pin on the tool head extending into the slot.

2,183,691
CONTAINER CLOSURE AND METHOD FOR MAKING SAME
Howard Vencint Owens, Madison, Wis., assignor to The Celon Company, Madison, Wis., a corporation of Wisconsin
Application May 21, 1936, Serial No. 80,991
2 Claims. (Cl. 18—47.5)



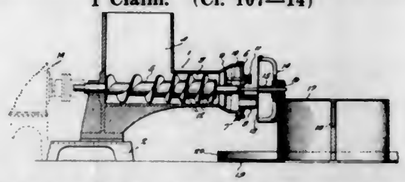
1. The method of making a closure member for containers comprising extruding a solution of viscose through a suitable orifice to form a continuous tube thereof, coagulating the viscose thus extruded, cutting open-ended cylindrical segments off of the tube thus formed, flattening the segments, superposing a plurality of segments upon one another to form a stack, and cutting away a corner of said stacked segments.

2,183,692
COMBINED STRAINER AND COOLER
Paul Potocek, Hebron, Conn.
Application January 23, 1936, Serial No. 60,467
20 Claims. (Cl. 31—4)



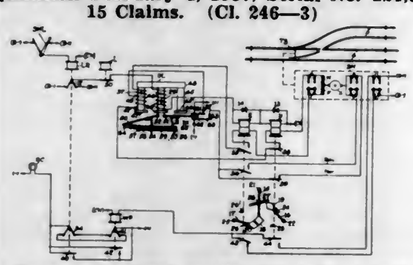
5. In a liquid straining device, a frame, a strainer thereon, a cooling unit beneath said strainer, a valve between said strainer and unit controlling the flow of strained liquid to said unit, said strainer and unit being relatively rotatable, and means automatically operative to control said valve upon such relative rotation.

2,183,693
DOUGH CUTTING MACHINE
Henry Nicklous Rasch, Milwaukee, Wis.
Application September 19, 1938, Serial No. 230,710
1 Claim. (Cl. 107—14)



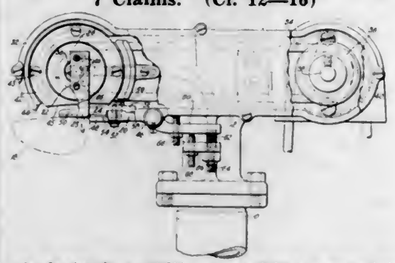
A device of the class described comprising a cylinder, a hopper at one end of the cylinder, a spiral coveyor in the cylinder and passing through the lower end of the hopper, means for rotating the conveyor, a barrel at the rear end of the cylinder through which the dough is forced by the conveyor, a knife for cutting the dough into slices as it passes from the barrel and means for regulating the flow of dough through the barrel such means including an enlarged rear end of the cylinder, a plate movable therein, means for adjusting the plate longitudinally of the cylinder and said conveyor having recesses in its threads.

2,183,694
TRAFFIC CONTROL SYSTEM FOR RAILROADS
Frank X. Rees, Albany, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 4, 1937, Serial No. 124,060
15 Claims. (Cl. 246—3)



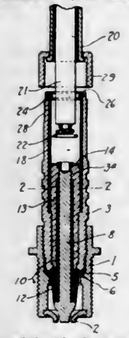
1. In a centralized traffic controlling system for railroads; a track switch; power operated means for the switch; slow acting normal and reverse relays for controlling the power operated means; a control lever; a line circuit including a lock contact through which the lever can selectively energize the control relays; and mechanical lock means for the relays which, if both relays are released, locks down the relay that released first, and including; a pendant pivoted lock arm, a swinging pivoted arm for each relay and operable by its relay from a lower to an upper position upon the relay picking up its armature and through a path including the pendant arm and requiring movement of the pendant arm to one side, each swinging arm when in released condition above the pendant arm operating to lock the pendant arm against swinging to its side, whereby to prevent the other relay from picking up its armature.

2,183,695
FASTENING PULLING MACHINE
Charles A. Robinson, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 25, 1938, Serial No. 186,867
7 Claims. (Cl. 12—16)



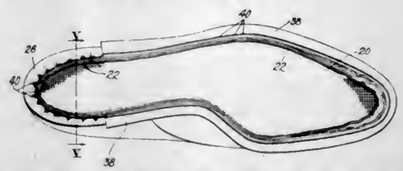
1. A fastening pulling machine comprising a fastening pulling tool, a gage extending transversely of the path of movement of the tool and having a portion constructed and arranged to contact with the side of a shoe to guide the same past the tool with a row of fastenings in the shoe directed toward the plane of the path of movement of the tool, an abutment located adjacent to the plane of the path of movement of the tool for engaging the bottom of the shoe and constructed and arranged to extend across the row of fastenings in the shoe for locating successive fastenings in the path of movement of the tool as the shoe is advanced past the gage.

2,183,696
RADIO SHIELDED SPARK PLUG
Otto C. Rohde, deceased, late of Toledo, Ohio, by Edith E. Rohde, executrix, Toledo, Ohio, assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware (1938)
Application September 23, 1938, Serial No. 231,410
2 Claims. (Cl. 123—169)



1. In a radio shielded spark plug having a metallic shell and a jacket functionally integral with said shell, a center electrode, a mica sleeve surrounding said center electrode for a portion of its length, and means to fix said center electrode in said jacket comprising a body of compacted powder surrounding said sleeve and electrode, said powder being of a nature such that the particles interlock when subjected to pressure and remain interlocked when the pressure is released, whereby said mica sleeve is held in tight engagement with said center electrode.

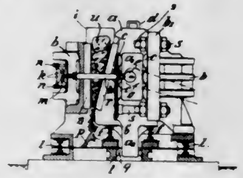
2,183,697
SHOE
Leroy W. Rollins, Medford, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 1, 1938, Serial No. 188,102
3 Claims. (Cl. 36—12)



1. In a shoe, an insole having a rib extending around its entire margin including its heel portion, an upper, and a welt extending around the forepart and shank portions of the shoe and

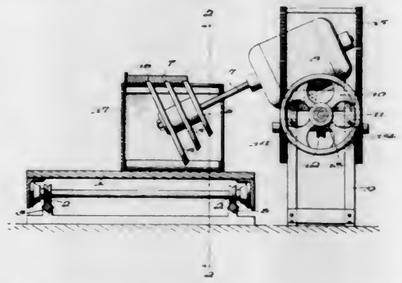
terminating at the heel breast line thereof, said upper and welt being secured to said rib by stitches forwardly of said heel breast line, and said stitches continuing around the heel portion of the shoe and securing the upper only to said rib around said heel portion.

2,183,698
STONE CRUSHER
Georg Heinrich Schieferstein, Berlin-Charlottenburg, Germany
Application February 8, 1937, Serial No. 124,764
In Germany February 14, 1936
8 Claims. (Cl. 83—53)



8. In a stone crushing machine as claimed in claim 6 all of said resilient means being resilient rubber domes the elasticity of which increases on deformation in more than linear proportion.

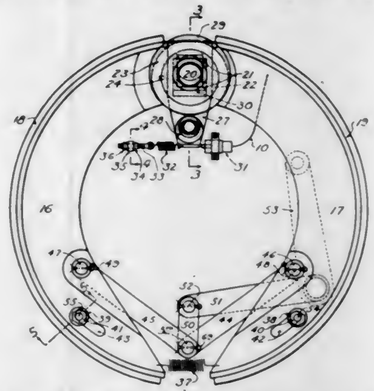
2,183,699
METHOD OF FASHIONING TILES
Malcolm A. Schweiker, Lansdale, Pa., assignor to Franklin Tile Company, Lansdale, Pa., a corporation of Pennsylvania
Application April 14, 1936, Serial No. 74,371
4 Claims. (Cl. 51—278)



1. An improved method of forming separated grids, pads or islands on the surface of a tile or the like, which consists in dovetailing or undercutting the said surface on all of the edges of said grids, pads or islands, by removing the material from the edges thereof, and from all of the surrounding surface of the tile intervening between said grids, pads or islands, thus leaving them as isolated and separated projections with undercut edges.

2,183,700
BRAKING INDICATOR
Jesse H. Sinclair, Burlington, Vt.
Application January 26, 1933, Serial No. 653,739
11 Claims. (Cl. 73—51)

4. In a device for measuring the movement of a brake shoe due to its braking force, comprising an eccentric pin for mounting the shoe in braking position, the eccentricity of said pin being substantially normal to the direction of the braking force whereby said force tends to turn the pin, means for resisting the turning



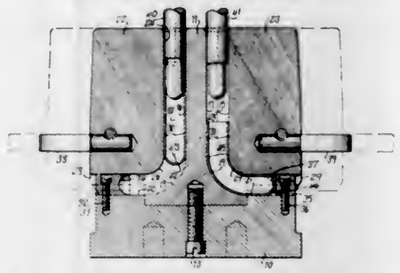
of the pin with a predetermined force and means for indicating the resultant turning of the pin.

2,183,701
TOE PROTECTOR
John Aloysius Toner, London, England
Application June 25, 1938, Serial No. 215,895
In Great Britain July 7, 1937
6 Claims. (Cl. 128—153)



2. As an article of manufacture, a friction preventer for the protection of the toes and toe joints, consisting of a block of soft, resilient material having at least two mutually perpendicular and intersecting through apertures, either of said apertures serving to receive a toe so that at least one end of the other aperture is locatable over an affected part of the toe and the block bears on the toe around said affected part which is thereby entirely relieved of pressure.

2,183,702
DIE ASSEMBLY FOR FORMING HOLLOW METAL ARTICLES
Frans Bertil Wendel, Waterbury, Conn.
Original application May 11, 1937, Serial No. 141,936. Divided and this application December 9, 1938, Serial No. 244,781
2 Claims. (Cl. 153—48)



1. A die assembly for forming hollow metal articles comprising: two similarly-constructed

guide-die units, and a single deflecting-die unit; each of the former having angularly-related faces substantially coextensive with angularly-related face-portions of the latter; the said deflecting-die unit including oppositely-extending base-faces arranged below and respectively facing one of the angularly-related faces of each of said guide-die units, and the said deflecting-die unit also including oppositely-facing side-faces interposed between said guide-die units and respectively facing the other angularly-related face of each of the said guide-die units; the latter being each provided with a groove extending from end to end thereof in its said angularly-related faces and providing one complemental half of an article-forming channel therein; and the said deflecting-die unit having a groove extending from the outer end of each of said oppositely-facing side-faces to the outer end of each of said oppositely-extending base-faces, the grooves of the said deflecting-die unit each providing one half of an article-forming channel and respectively complementing the half of the article-forming channel in each of the said guide-die units.

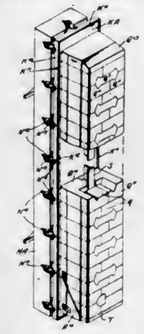
2,183,703
METHOD OF MAKING COMBINATION YARN
Fred C. Werber, Philadelphia, Pa.
Application June 14, 1939, Serial No. 279,075
6 Claims. (Cl. 57—162)



1. A method of making a combination yarn which consists in helically assembling a covering yarn which has been colored with a permanent dye with a core yarn, said core yarn being an undyed hard-twisted crepe yarn and having a size, the twist of the covering yarn being lower than the twist of the core yarn, the turns of the covering yarn being spaced from each other, and then de-sizing the core yarn so as to diminish the length thereof and to bring the turns of the covering yarn close to each other so that said turns substantially cover the core yarn, the coloring of the covering yarn being substantially unaffected by the de-sizing step.

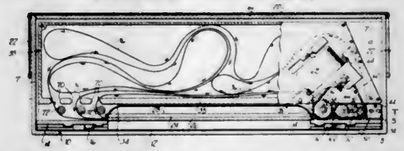
2,183,704
COKE OVEN DOOR
Louis Wilputte, New Rochelle, N. Y.
Application July 30, 1937, Serial No. 156,453
13 Claims. (Cl. 202—248)

6. In a plug type coke oven door, the combination with an outer metallic door portion, of a self-sustaining inner plug section unit, comprising a columnar mass of refractory material, metallic reinforcing and supporting means for said mass including a post extending longitudinally through said mass, and means detachably securing said



supporting means to said metallic door portion adjacent the top and bottom of said plug section.

2,183,705
DISPLAY DEVICE
Carrol R. Wooten, New York, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application February 23, 1939, Serial No. 257,794
8 Claims. (Cl. 40—32)

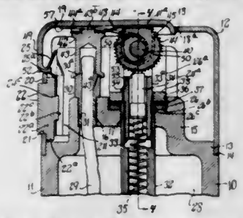


1. In a display device of the class described, the combination of a casing having a window therein, a plurality of endless strips of flexible transparent material having corresponding portions thereof arranged in upright position transversely of the window and one behind the other, said portions of the strips being visible through said window and the other portions of the strips being hidden from view, and means for traversing said strips longitudinally at different speeds, the several strips bearing illustrations of racing figures so arranged as to simulate a race between the figures as the strips are thus traversed.

2,183,706
LIGHTER
Russell B. Bass, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application May 11, 1938, Serial No. 207,212
6 Claims. (Cl. 67—7.1)

2. A lighter including in combination: a lighter-body carrying a projecting wick, a pyrophoric-member, and a sparking-wheel having a toothed-portion and a flat connecting-portion; a snuffer-cap for the wick; a closure-member normally urged to open and having a connecting-portion spaced from the connecting-portion of said sparking-wheel; and a flexible-arm having a free forward supporting-portion carrying said snuffer-cap and bent and spaced from said closure-member, and also having a rear coupling-portion fitted between and engaging the respective connecting-portions of the closure-member and sparking-wheel and providing a coupling-connection therewith; the latter acting in opening of the closure-member to cause said arm and

sparking-wheel to move therewith to expose said wick for ignition of fuel therein, and also acting in closing of the closure-member to cause the return of said arm and tensioning of its free sup-



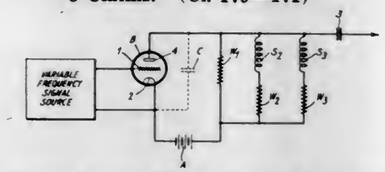
porting-portion, the said supporting-portion exerting its tension on the snuffer-cap carried thereby to urge the same downwardly and provide a vapor-seal about the said wick.

2,183,707

RESISTANCE-COUPLED AMPLIFIER

Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 8, 1936, Serial No. 104,632
In Germany October 17, 1935
5 Claims. (Cl. 179—171)



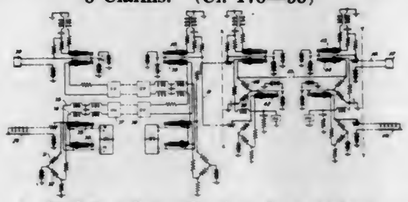
1. Means for amplifying electrical currents of varying frequency comprising an electron discharge tube having a cathode, a control grid and a plate, said tube having inherent capacity between the plate and cathode, a circuit connecting the cathode and plate and including a resistor having one end directly connected to the plate, and a circuit conductive to direct current shunted directly across the ends of said resistor and comprising the series connection of a resistor and an inductance coil, said coil being dimensioned in respect to the resistor so that its inductive reactance becomes high in comparison with the resistance of said resistor at frequencies of the electrical currents where degeneration caused by said inherent capacity between the anode and cathode of the tube is substantial.

2,183,708

SIGNALING SYSTEM

George C. Cummings, Orange, N. J., and Richard B. Hearn, Hollis, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 3, 1938, Serial No. 193,650
8 Claims. (Cl. 178—58)



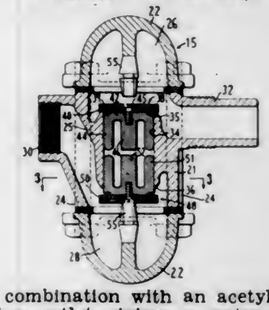
1. A duplex telegraph signaling system comprising an established connection from one station over a line circuit to another station, means at each said station for normally impressing a potential of one polarity on said line, sending means at each said station for reversing the polarity of the potential impressed on said line for signaling the other of said stations and a condenser type relay comprising crystal elements interleaved with conducting elements at each said station responsive to said potential changes for receiving said signals.

2,183,709

DOUBLE-ACTING CHECK VALVE

George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Original application January 12, 1933, Serial No. 651,249. Divided and this application October 16, 1936, Serial No. 105,874
7 Claims. (Cl. 48—38)



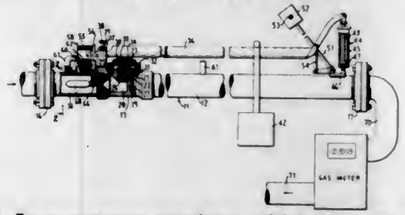
3. The combination with an acetylene generator having outlet piping, a water-seal flash-arrester, and a service line into which gas flows from the flash-arrester, of a double-acting check valve connected in the piping between the generator and the flash-arrester, said valve comprising one valve element constructed and arranged to act as a check valve against back flow from the flash-arrester toward the generator, and a second valve element that limits the outflow of gas from the generator, said second valve element being normally open and constructed and arranged to close in response to a sudden increase in the rate of flow toward the flash-arrester or a velocity of flow above a given value.

2,183,710

TEMPERATURE COMPENSATION FOR GAS METERS

George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application August 16, 1937, Serial No. 159,223
7 Claims. (Cl. 50—17)



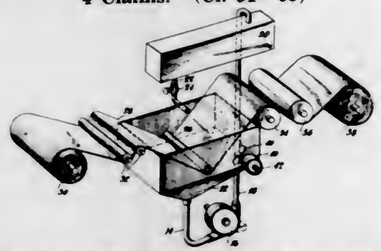
1. In a pressure regulator which receives gas at high and variable pressure and delivers it at a reduced and substantially constant pressure, a chamber through which the gas flows, a temperature-responsive device in said chamber in position to be influenced by the temperature of the gas flowing through the chamber, a valve for controlling gas flow through the regulator, a diaphragm operatively connected with the valve, apparatus loading the diaphragm, compensating apparatus outside of said chamber, and a conduit through which the temperature-responsive device is connected to said compensating apparatus by a fluid column, the compensating apparatus including means responsive to the fluid column and constructed and arranged to change the loading of the diaphragm in the direction to cause an increase in the delivery pressure of the regulator in response to increase in the temperature of the gas.

2,183,711

METHOD OF TREATING PAPER

Francis De Witt, New York, N. Y., assignor to Pervel Corporation, New York, N. Y., a corporation of Delaware

Application January 7, 1938, Serial No. 183,756
4 Claims. (Cl. 91—68)



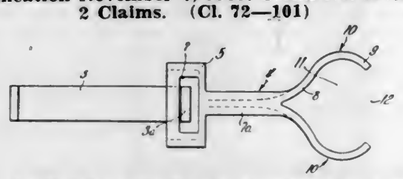
1. The process of treating paper to render it soft and flexible comprising the steps of applying to the paper a solution containing, in the following proportions, about 72 to 80 fluid ounces of water and about 28 fluid ounces of a paper softening agent of the class of compounds consisting of water soluble, stable polyhydroxy alcohols and ethers and esters of polyhydroxy alcohols having boiling points higher than water and containing about 14 to 16 ounces avoirdupois of finely divided water-insoluble mineral filler capable of adsorbing the paper softening agent, and thereafter removing the water from the paper.

2,183,712

WALL ANCHOR

Charles W. Dunlap, Chicago, Ill., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill., a corporation of Illinois

Application November 7, 1938. Serial No. 239,306
2 Claims. (Cl. 72—101)



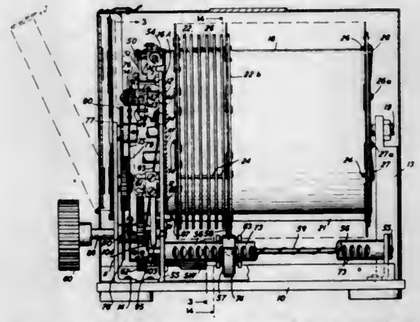
1. An anchor member for anchoring to a furnace retaining wall a lining therefor originally formed of plastic material pounded into place, said anchor member comprising a shank provided at one end with two opposed arms each comprising in plan a first arcuate element and a second arcuate element, said first element being curved on an arc inwardly of said shank transversely thereof merging at one end into said shank tangent thereto and projecting outward beyond said shank at one side thereof, said second element being curved on an arc outwardly of said shank merging at one end into the other end of said first element and projecting from the latter inwardly of said shank transversely thereof, said arms defining between them a substantially elliptical space with the distance between the ends of said arms remote from said shank less than the major axis of said space.

2,183,713

CALL TRANSMITTER

Joseph C. Field, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 28, 1938, Serial No. 216,224
6 Claims. (Cl. 179—90)



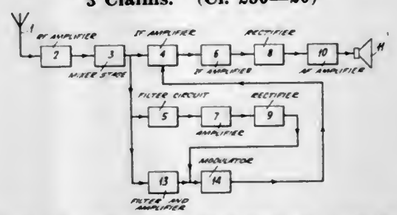
1. In a call transmitter, a pulsing contact, a motor, a cam actuated by said motor, means actuated by said cam for actuating said contact, a code element, a ratchet mechanism actuated by the operation of said cam for rotating said element in timed relation with the movement of said means and means actuated by said element for controlling the operation of the first mentioned means relative to said contact.

2,183,714

INTERFERENCE ELIMINATOR

Ernst Franke and Wolfgang-Felix Ewald, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, a corporation of Germany

Application May 4, 1938, Serial No. 205,880
In Germany May 13, 1937
3 Claims. (Cl. 250—20)



1. In a method of suppressing interference currents in a receiver produced by an interfering station whose channel is located with respect to the channel of a desired station so that one set of sidebands of the interfering station overlaps the channel of the desired station and the other set of sidebands of the interfering station is outside the desired channel, said method including the steps of filtering out the carrier and the non-overlapping sideband of the interfering station, detecting the filtered energy to produce therefrom currents representative of the modulation of the interfering station, utilizing the resultant currents to modulate an oscillation synchronous with the carrier of the interfering station and thereby produce a pair of sidebands

identical with the received sidebands of the interfering station and combining in the receiver the newly produced sideband which lies in the channel of the desired station in opposition to the originally received sideband of the interfering station which lay within the desired channel.

2,183,715
CORROSION RESISTANT STEEL ALLOY
Russell Franks, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application May 21, 1938, Serial No. 209,380
4 Claims. (Cl. 75—126)

1. Alloy ferritic steel comprising 15% to 35% chromium, 1% to 5% molybdenum, 0.01% to 3% manganese, 0.01% to 3% silicon, 0.01% to 0.35% carbon, 0.01% to 0.5% nitrogen, and columbium in an amount at least four times the carbon content but not exceeding eight times the carbon content by more than 1.5%, the remainder iron.

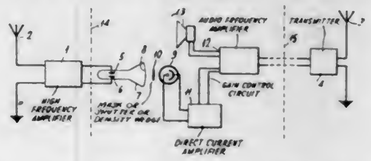
2,183,716
RELOOPING NEEDLE FOR WOVEN AND KNITTED GOODS
Bedri Hussein Gostkowski, Geneva, Switzerland
Application May 10, 1938, Serial No. 206,972
In Germany May 24, 1937
13 Claims. (Cl. 66—117)



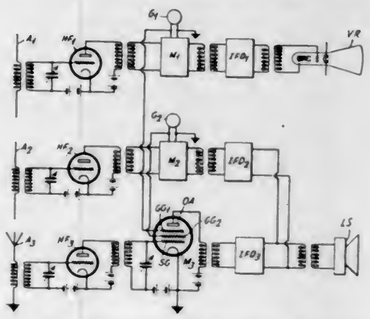
1. A relooping needle for woven and knitted fabrics, having located in a longitudinal groove in the shank of the needle near the hook ending said shank a member lying free and rolling between two end positions, which when touched tangentially by the loops sliding along the shank is taken along in rolling movement and in one of its end positions closes the hook opening and brings the loop taking it along over said hook, and in the other end position, on the contrary, lies at a short distance from the bent back part of the hook.

2,183,717
MODULATION CONTROL SYSTEM
Oswold Edward Keall, Essex, England, assignor to Radio Corporation of America, a corporation of Delaware
Application October 26, 1937, Serial No. 171,053
In Great Britain November 5, 1936
1 Claim. (Cl. 179—171.5)

In a modulation control system to be used with signaling means wherein wave energy is modulated as to amplitude by signal wave energy, a transmitter, a source of modulating potentials, a modulating potential amplifier connecting said source of modulating potentials to said transmitter, a gain control circuit for said amplifier, amplifying means excited by modulated energy radiated from said transmitter, a cathode ray tube having deflecting plates connected with said amplifying means, said cathode ray tube producing a ray the extent of deflection of which is a function of the amplitude of the amplified wave energy radiated from the transmitter, a light sensitive device adjacent said cathode ray tube to be controlled by the ray produced thereby, a direct current amplifier connecting said light sensitive device to said gain control circuit of said modulating potential amplifier, and a light control device in the form of a density wedge interposed between said light sensitive device and said cathode ray tube for limiting the time during which said ray produced in said cathode ray device reaches said light sensitive device to thereby control the gain of said modulating potential amplifier.

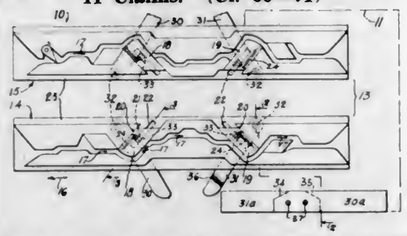


2,183,718
MODULATED CARRIER WAVE RECEIVING INSTALLATION
Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application September 9, 1937, Serial No. 162,976
In Great Britain September 18, 1936
2 Claims. (Cl. 250—20)



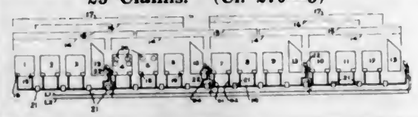
2. In a superheterodyne receiver, a mixer tube having an anode, a cathode and at least three grid electrodes, a source of signal frequency energy, means for impressing signal energy from said source on one of said grid electrodes, a first source of local oscillations and a second source of local oscillations, means for impressing oscillations from said first source on one of the other grid electrodes and oscillations from the second source on still the other of said grid electrodes, an intermediate frequency amplifier, and means for coupling said amplifier between the anode and cathode of said tube.

2,183,719
KNITTING MACHINE
Benjamin Lippman and Julius Lippman, Brooklyn, N. Y.
Application July 1, 1938, Serial No. 216,882
11 Claims. (Cl. 66—71)



10. A knitting machine including a reciprocatory cam head having spaced settable cams for actuating the needles of the machine to govern the size of stitches formed by the needles, the cams being operable in different respective directions of movement of the cam head, and means for controlling the setting movement of the cams according to the direction of movement of the cam head to control the stitch sizes, said means being so related in position to the said cams that the paths of control for the different cams by said means are offset in overlapping relation to each other longitudinally of the path of the cam head.

2,183,720
INKING MECHANISM FOR PRINTING MACHINES
Frederick Grafton Lougee, New Malden, England, and Albert J. Horton, White Plains, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 25, 1937, Serial No. 160,792
25 Claims. (Cl. 270—5)

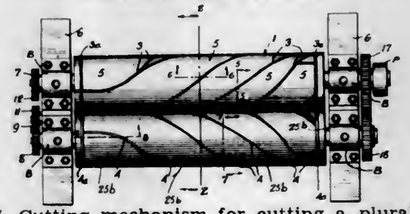


23. In combination with a printing machine, a plurality of printing units, each unit having a printing member and an ink supply mechanism, each ink supply mechanism having means to feed ink to any one of a plurality of areas on said printing member and including separately adjustable parts for varying the amount of ink fed by each of said means, an electrically operated device for each ink supply mechanism adapted to adjust each of said adjustable parts, a plurality of electrical circuits to each of which a device of each mechanism is connected, and a disconnecting switch operable to interrupt the said circuits simultaneously.

2,183,721
SOFTENING AGENT
Herbert A. Lubs and Luther B. Arnold, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1938, Serial No. 215,924
4 Claims. (Cl. 28—1)

1. A process of imparting an improved softened finish to a fibrous material selected from the group consisting of textile fabrics, paper, and leather which comprises applying to said material an aqueous medium containing a sulfamate having the general formula: H_2NSO_3X, wherein X is a substituent selected from the group consisting of hydrogen and a salt forming radical, and a long chain alcohol sulfate ester salt containing 8 or more carbon atoms.

2,183,722
MECHANISM AND METHOD FOR CUTTING BLANKS FOR NECKTIES
Max M. Newman, New York, N. Y.
Application April 10, 1939, Serial No. 267,156
7 Claims. (Cl. 164—28)

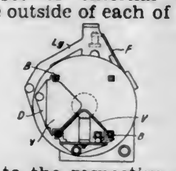


7. Cutting mechanism for cutting a plurality of blanks out of a sheet of material, comprising a first roll, a second roll, means adapted to turn said rolls in opposite directions, the first roll having a plurality of projecting cutting dies located at its periphery, each said cutting die being tapered so that it has a narrow end and a wide end, the dies being located in continuous succession between the end faces of said first roll, each cutting die having a cutting member at each of its edges, each cutting die having its narrow end located at the wide end of an adjacent cutting die, each cutting die having at least one cutting member in common with an adjacent cutting die, said cutting members being shaped and located to abut corresponding portions of the second roll in linear contact with said corresponding portions, when said rolls are turned, each alternate cutting die having at least one of its respective cutting members which extend to its narrow end, intersecting a cutting member of the adjacent cutting die intermediate the ends of said cutting member of the adjacent die, the cutting members of said succession of cutting dies including edge-cutting members which are located respectively at the respective edges of said succession, said edge cutting-members having continuous circular peripheries which are perpendicular to said axis of rotation and being located between the end-faces of the first roll and the other cutting-members, said cutting dies having their wide and narrow ends alternating adjacent one of said edge cutting-members, some of said cutting dies having their wide ends located at the other edge cutting-member, the narrow ends of the cutting dies which are located adjacent the respective edge cutting member being spaced from said edge cutting-member and having linear extensions which extend to said respective edge cutting-member.

2,183,723
TUNING MEANS OF COMMUNICATION OR SIGNAL EQUIPMENT
Erich Paschke, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
Application February 16, 1937, Serial No. 125,993
In Germany February 20, 1936
2 Claims. (Cl. 250—40)

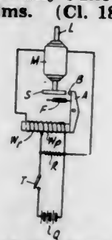
1. In a device of the kind described, a frame, a cylindrical framework rotatably mounted on

said frame, wedge shaped shielding containers adapted to be individually radially inserted within the framework and attached thereto for rotation therewith, each of said containers having mounted therein an inductance coil and a trimmer condenser, each of said coils and condensers being completely shielded by their respective containers, a set of external contact pieces mounted on the outside of each of said containers



and connected to the respective coil within the container for providing means to connect the inductance coil to external circuits, contact brushes mounted on the frame in alignment with the said contact pieces and arranged so as to sequentially contact each set of contact pieces as the framework is rotated to thereby provide for selective connection of any of said inductance coils to said brushes.

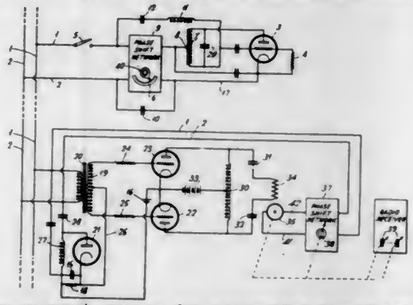
2,183,724
REMOTE CONTROL DEVICE
Heinrich Schröder, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 24, 1938, Serial No. 215,574
In Germany June 24, 1937
4 Claims. (Cl. 188—172)



1. In a device of the kind described, an electric motor, a source of voltage, an electromagnetically operated brake provided with a bipartite winding characterized in that one partial winding is joined in series with the motor winding across the voltage source while the other partial winding is shunted across the voltage source, said two windings being dimensioned and arranged so that with the voltage source connected to the circuit the magnetic fields produced by the two parts of the winding produce substantially equal and aiding magnetic inductions.

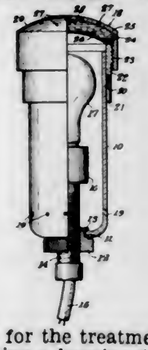
2,183,725
REMOTE CONTROL SYSTEM
Stuart W. Seeley, Bayside, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 23, 1937, Serial No. 170,575
11 Claims. (Cl. 172—239)

9. In an arrangement for remotely controlling the operation of an electric motor over an alternating current electric power supply line from a point which is remote from the motor, means at the remote point for generating carrier oscillations of a predetermined frequency, means for modulating the carrier oscillations by alternating current derived from the power supply line, means for shifting the phase of the modulating current in accordance with the motor controlling action desired, means for transmitting the modulated carrier oscillations over the power supply line to the motor, means at the motor for intercepting the transmitted modulated carrier oscillations and deriving therefrom the modula-



tion current, means for comparing the phase of the modulation current and the phase of the power supply line current and producing from said comparison motor operating current and means for applying the motor operating current to the motor.

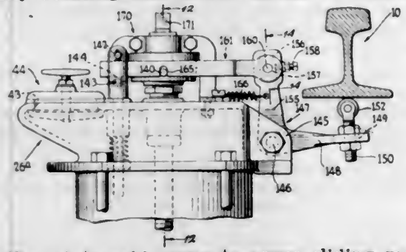
2,183,726
APPARATUS FOR THE TREATMENT OF THE SKIN OR THE LIKE
Victor Sommer and Bruno R. Roberts, Jamaica, and Fritz M. Faust, St. Albans, N. Y.
Application February 17, 1939, Serial No. 256,980
4 Claims. (Cl. 128—24.1)



1. An apparatus for the treatment of the skin or the like comprising a housing forming a handle, a removable head for said housing, a translucent partition in said head, a device within said housing for emitting heat and light to said skin, and a reservoir in said head for holding skin treating matter, said partition forming a wall of said reservoir, the surface of said head being provided with means for discharging said matter and massaging the same into the skin while said skin is under heat and light treatment through said device.

2,183,727
RAIL LUBRICATING APPARATUS
Charles Stern, Jersey City, N. J.
Application July 8, 1936, Serial No. 89,499
16 Claims. (Cl. 184—3)

1. Rail lubricating apparatus comprising a vertical tank, an axial screw therein, a piston nonrotatably and slidably mounted in said tank, the upper end of said screw projecting above said tank, clutch means carried wholly by the projecting portion of said screw and means carried by said tank and controlled by the wave of a rail when a train passes thereover, for intermittently rotating said clutch means to intermit-



tently rotate said screw to cause sliding movement of said piston, and means controlled by said piston to disconnect said clutch rotating means from said clutch means to render said clutch means inoperative.

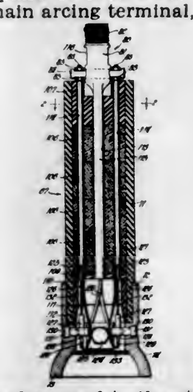
2,183,728
FUSE
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application June 17, 1936, Serial No. 85,700
Renewed October 17, 1938
42 Claims. (Cl. 200—117)



1. In combination a housing having fixed terminals, a tension spring in one end of the housing, a body of arc extinguishing material in the other end of the housing having a main bore and a separate parallel auxiliary bore, a rod-like terminal in the main bore connected to the tension spring, a main fusible element connected between the rod-like terminal and the adjacent fixed terminal, and an auxiliary fusible element of less current carrying capacity than said main fusible element disposed in the auxiliary bore, said main fusible element being free of the tension of said tension spring.

2,183,729
FUSE CONSTRUCTION
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Original application August 13, 1938, Serial No. 224,696. Divided and this application May 8, 1939, Serial No. 272,341
28 Claims. (Cl. 200—120)

6. In a circuit interrupter, in combination, a housing, an arcing terminal carried by said housing, a filling of solid arc extinguishing material in said housing having a main bore and a plurality of auxiliary bores, a main arcing terminal and a plurality of auxiliary arcing terminals in said main and auxiliary bores, respectively, a plurality of pairs of fuse wires secured at one end to said main arcing terminal, a relatively in-



fusible terminal secured to the other end of each pair of fuse wires, means individually securing each relatively infusible terminal to said arcing terminal carried by said housing, and a plurality of strain wires interconnecting said auxiliary arcing terminals and said arcing terminal carried by said housing for relieving said fusible means of stress otherwise imposed thereon.

2,183,730
CLOTHESPIN
William W. Vander Clute, Elizabeth, N. J.
Application March 27, 1936, Serial No. 71,273
Renewed May 16, 1939
5 Claims. (Cl. 24—255)

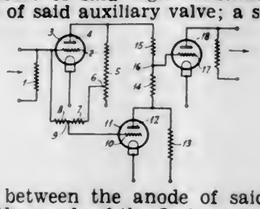


3. A clothespin including a substantially flat non-metallic elongated headpiece of substantial area and a pair of spaced oppositely disposed resilient legs of flat strip metal lying flat against the opposite surfaces of said flat headpiece at one end thereof and means secured to each of said resilient legs and extending through said headpiece and the other leg and contacting the other leg for securing said leg to said headpiece.

2,183,731
ELECTRON DISCHARGE DEVICE AMPLIFIER
George Maurice Wright, Woodham Ferrers, England, assignor to Radio Corporation of America, a corporation of Delaware
Application June 6, 1936, Serial No. 83,872
In Great Britain June 21, 1935
6 Claims. (Cl. 179—171)

1. In combination a thermionic valve having an effective magnification (ignoring departures from rectilinearity of characteristic) m; an impedance in the anode circuit of said valve; a tap on said impedance such that the ratio of said impedance to the portion thereof on the side of the tap remote from the anode is m; a high

resistance between said tap and the input grid of said valve; an auxiliary valve arranged to have a magnification factor $2m$; a connection between the mid-point of said high resistance and the input grid of said auxiliary valve; a second high



resistance between the anode of said auxiliary valve and the anode of the first mentioned valve; means for applying signals to be amplified to the input grid of said first mentioned valve; and means for taking off corrected amplified signals from the mid-point of said second high resistance.

2,183,732

FRAME FREEZING

Mikail T. Zarotschenzeff, New York, N. Y., assignor to Z. Pack Corporation, Jersey City, N. J., a corporation of Delaware

Application August 11, 1937, Serial No. 158,536
7 Claims. (Cl. 62—104)



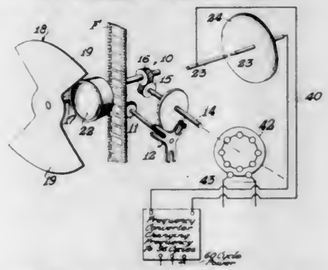
1. A method of freezing food products characterized by the steps of placing the same in a frame composed of relatively movable sections, pressing the frame against the products to shape and restrain the products therein in a desired fashion and subjecting the products within the frame to a refrigerant.

2,183,733

METHOD AND APPARATUS FOR THE PROJECTION OF MOTION PICTURES

Clarence S. Ashcraft, Bayside, Long Island, N. Y.

Application October 21, 1938, Serial No. 236,142
6 Claims. (Cl. 88—18)



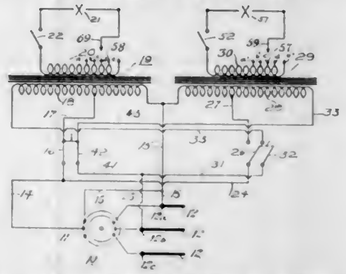
1. In combination with a motion picture projector having film moving means adapted to intermittently move a film, a source of light, optical means for casting a beam of light from said source through the film, shutter means providing light passing openings adapted to project and intercept said light beam for substantially like duration periods moving in the path of said light beam and driven in synchronism with the film moving means so that the film is moved during predetermined periods of light interception and said light beam is projected through said shutter openings during stationary periods of the film, means for driving the projector at a speed such as to move the film at the required number of frames per second, and a source of alternating current supplying to said light source an alternating current of a frequency to provide said light source with substantially one cycle of said current during each shutter open period and a like cycle of current during each period of light interception.

2,183,734

METHOD AND APPARATUS FOR SUPPLYING ALTERNATING CURRENT TO ELECTRIC ARCS

Clarence S. Ashcraft, Bayside, Long Island, N. Y.

Application October 21, 1938, Serial No. 236,143
14 Claims. (Cl. 176—12)



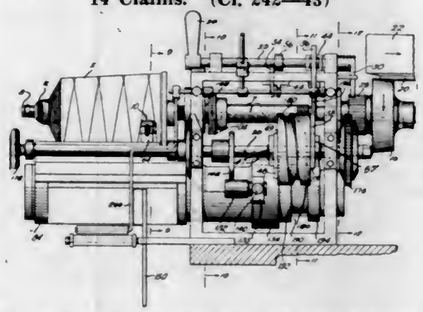
1. In combination, an electric power line, a frequency changer, a first transformer, a second transformer, a light source connected to the output of each transformer, an electrical circuit, and interconnected switches, whereby current may be supplied direct from said power line to either of said transformers, and simultaneously current may be supplied from said frequency changer to the other of said transformers.

2,183,735

THREAD WINDING MACHINE

Dickerson G. Baker, Holyoke, Mass., assignor to The American Thread Company, Jersey City, N. J., a corporation of New Jersey

Application January 24, 1935, Serial No. 3,335
14 Claims. (Cl. 242—43)



12. In a winding machine, the combination of a spindle, a thread guide for traversing the thread longitudinally of the spindle so as to cause the thread to be cross wound on the spindle, a cam, connections between the cam and thread guide for thus traversing the guide during the rotation of the cam, a casing enclosing the cam having means for guiding the thread guide during its traversing movement, means for shifting the casing to shift the path of movement of the thread guide to progressively displace the layers of winding in a direction longitudinally of the spindle, and means operable independently of the accumulation of thread about the spindle for turning said casing to retract the thread guide from the spindle during the winding operation while maintaining the thread guide substantially in contact with the thread.

2,183,736

COMPOSITIONS PREPARED FROM AMYLACEOUS SUBSTANCES

Hans F. Bauer, Chicago, Ill., assignor to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application January 14, 1938, Serial No. 184,929. Renewed July 22, 1939
11 Claims. (Cl. 134—23.4)

11. A re-moistening adhesive composition formed from a dispersed amylaceous substance, urea and an alkali metal acetate, the urea and alkali metal acetate each being present in amounts in excess of about 5% by weight of the total solids, the proportions of the ingredients in said composition being such as to produce flexible, clear, dried films thereof having re-tack properties when moistened.

2,183,737

VACUUM CLEANER FILTER

Tord Erik Daniel Bilde, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application March 3, 1937, Serial No. 128,705
In Germany March 6, 1936
3 Claims. (Cl. 183—71)



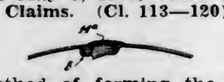
1. In a filter for a vacuum cleaner, a pair of spaced discs formed with notched edges, and filter material supported between said edges, whereby said material is formed with an undulated surface one of said discs being perforate and the other disc being imperforate.

2,183,738

METHOD OF MAKING CAN BODIES

Julius Brenzinger, Fairfield, Conn.

Application May 5, 1936, Serial No. 77,939
2 Claims. (Cl. 113—120)



1. The method of forming the longitudinal seam of a sheet-material body which consists in: providing the opposite edges of a blank with opposed hooks; forming the blank into a body with the hooks interengaged; interlocking the hooks under tension; and clinching the hooks, while under tension, into a seam and during the action of clinching partially severing the material of the seam at one or more points at spaced intervals and displacing the layers thereof inwardly.

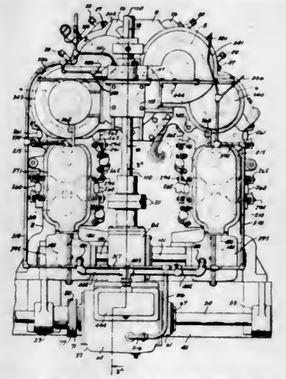
2,183,739

PRINTING PRESS

Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Original application September 15, 1933, Serial No. 689,512. Divided and this application January 6, 1936, Serial No. 57,681
10 Claims. (Cl. 101—350)

1. In an inking mechanism for printing presses, the combination of ink drums and bearings for rotatably supporting them in a frame, means for vibrating said drums, a plurality of oil cups communicating with the bearings and ar-



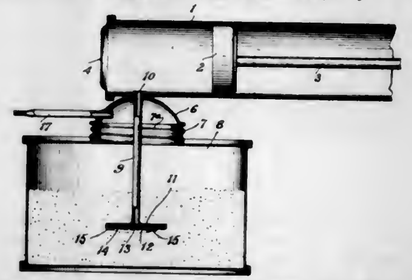
ranged at different levels, means for circulating oil and supplying it to certain of said uppermost cups and means for conducting the overflow from said uppermost cups to the remaining cups.

2,183,740

VALVE FOR SPRAYERS

John Fitch, Bloomfield, N. J., assignor to Standard Container, Inc., Bloomfield, N. J., a corporation of New Jersey

Application December 13, 1938, Serial No. 245,373
1 Claim. (Cl. 251—119)



In a sprayer of the character described including a piston chamber and an insecticide receptacle, and having an air tube extending from the piston chamber with one end of the tube located within the insecticide receptacle, a flat, rigid, apertured disc adapted to surround the end of the tube within the receptacle, a flat, flexible member overlying the disc and normally closing the aperture therein, a plurality of spaced prongs integrally formed on the disc and extending from the periphery thereof and bent over to overlie the flexible member and form the sole means for holding the same flatwise against the disc but permitting flexing movement of said member away from the disc under air pressure exerted through the aperture, whereby air may be ejected from between the disc and flexible member at points between the prongs.

2,183,741

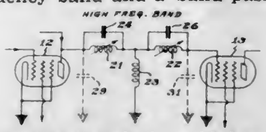
RADIO RECEIVING SYSTEM

Gustave L. Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 21, 1937, Serial No. 160,200
7 Claims. (Cl. 250—20)

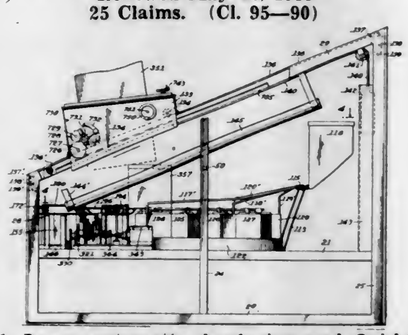
1. An amplifier for passing signals in a com-

paratively high frequency band and for passing signals in a comparatively low frequency band, said amplifier comprising a plurality of amplifier tubes connected in cascade through coupling networks, each tube having a plate circuit and a grid circuit, each of said networks including a band pass filter for passing only the signals in said high frequency band and a band pass filter for



passing only the signals in said low frequency band, said band pass filters being of the tuned transformer type each having a tuned primary and a tuned secondary, the primaries being connected in series with the plate circuit of one amplifier tube and the secondaries being connected in series with the grid circuit of the succeeding amplifier tube.

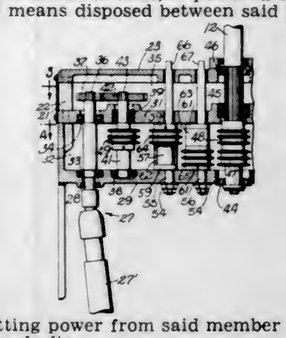
2,183,742
PHOTOGRAPHIC DEVELOPING MACHINE
Samuel Hershberg, Brooklyn, N. Y.
Application September 21, 1934, Serial No. 744,886
Renewed May 12, 1939
25 Claims. (Cl. 95—90)



1. In an automatic developing and finishing machine for exposed sensitized material, a casing therefor having front, side, rear and bottom walls, an upper wall having a movable aperture for the receipt of exposed sheets of sensitized material, a feeder continuous with the path of travel of the said movable aperture to carry said sheets to the developing apparatus, said aperture being independently movable with relation to said feeder.

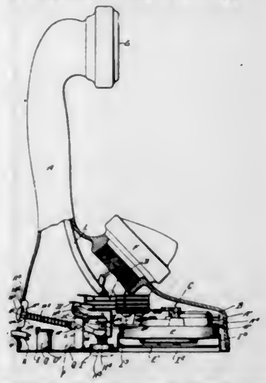
2,183,743
MULTIPLE SPINDLE MACHINE TOOL
Chester A. Hoefer, Freeport, Ill., assignor to Hoefer Mfg. Co., Inc., Freeport, Ill., a corporation of Illinois
Application June 26, 1937, Serial No. 150,490
2 Claims. (Cl. 77—22)

1. In a multiple spindle machine tool, the combination of two spaced bearing plates, a plurality of tool spindle driving shafts journaled in said plates each with its opposite ends projecting beyond the respective plates, a plurality of idler shafts journaled in said plates and each extending parallel to and disposed adjacent one of said shafts with one end projecting beyond one of said plates, means providing driving connections between each pair of projecting ends of said driving and idler shafts, each of said connections comprising a pair of pick off gears readily removable from said ends, a power driven member, and means disposed between said plates and



transmitting power from said member to each of said idler shafts.

2,183,744
TELEPHONE INSTRUMENT
Jesse P. Hubbell, Fanwood, N. J.
Application January 13, 1936, Serial No. 58,878
4 Claims. (Cl. 179—100)

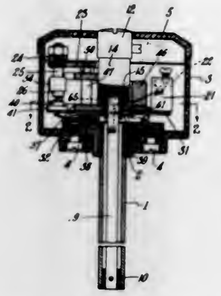


3. A telephone instrument comprising a supporting member adapted to be held in the hand of the user when in use and to rest upon a supporting surface when not in use, and including a hollow base portion with a bottom wall formed with an aperture adjacent said surface when said supporting member is resting on the latter, a transmitter, a receiver, dialing switch mechanism supported by said member, said dialing mechanism being mounted in said base portion and including a dialing member manually operable through said aperture when said supporting member is held in the hand of the user, and a switch including an operating member extending through said bottom wall at one side of said dialing member and operable for adjustment of the instrument between its signalling and conversation conditions.

2,183,745
THERMOSTATIC TEMPERATURE REGULATOR
Ernst Huber, Zug, Switzerland, assignor to Landis & Gyr, A.-G., a corporation of Switzerland
Application July 14, 1937, Serial No. 153,480
In Switzerland July 31, 1936
13 Claims. (Cl. 200—137)

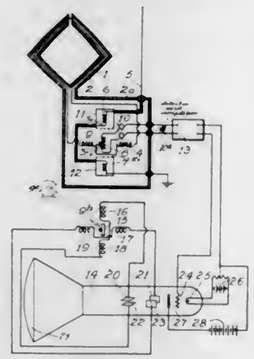
1. A thermostatic temperature regulating device including in combination a temperature re-

sponsive device comprising a movable rod, a pair of circuit terminals, side-by-side resilient arms of different lengths, a central arm being of greater length and carrying at its free end one of said circuit terminals and a magnet armature, a magnet supported on shorter resilient side arms and



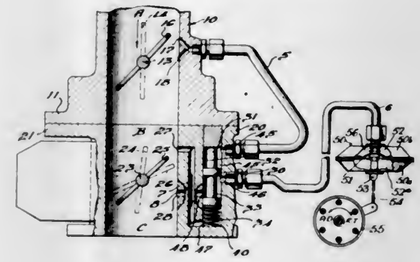
having its poles adjacent to said armature and terminal, and connections from said rod whereby movement of the rod will flex said central arm in one direction and said side arms in the opposite direction to effect opposite relative movement of the magnet poles and of the armature and terminal in response to temperature changes.

2,183,746
RADIO APPARATUS
Lawrence A. Hyland, Washington, D. C.
Application August 3, 1935, Serial No. 34,611
8 Claims. (Cl. 250—11)



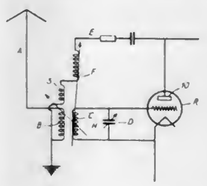
7. In radio receiving apparatus the combination of a directional antenna system, variable coupling means connected to said antenna system, a generator for generating polyphase electric currents, means for coupling the rotor of said generator to said variable coupling means for operating said generator in predetermined time relation with said variable antenna coupling means, an electric discharge device having a plurality of electrodes, means for impressing said polyphase electric currents on said electrodes for producing a rotating electric discharge in said discharge device and means connected to said directional antenna variable coupling means for controlling said electric discharge in accordance with signaling energy intercepted by said antenna.

2,183,747
SPARK CONTROL MECHANISM
Jarvis S. Jennings, Jr., Detroit, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan
Application May 6, 1936, Serial No. 78,217
Renewed May 19, 1939
11 Claims. (Cl. 123—117)



1. In a spark control device for an engine provided with an intake passage having a carburetor throttle valve and a governor valve therein, spark control means responsive to the pressure in the intake passage, and a control valve for varying the zone of pressure in said passage to which said means is subjected, said control valve being movable under engine idling conditions in response to pressures at opposite sides of the carburetor valve upstream from the governor valve thereby subjecting said spark control means to a pressure greater than that existing at the engine side of the governor valve.

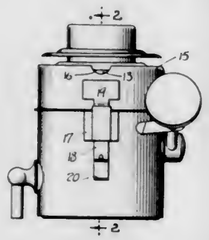
2,183,748
AMPLIFIER DEVICE
Friedrich Kreienfeld, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 22, 1936, Serial No. 81,203
In Germany July 19, 1935
2 Claims. (Cl. 250—20)



1. In an amplifying device, the combination of a vacuum tube having an anode circuit and a resonant grid circuit, said resonant grid circuit including a transformer secondary winding, an antenna circuit including a primary winding adjustably coupled to said secondary winding, and a feedback circuit connected between said anode circuit and said resonant grid circuit, said feedback circuit including two series connected windings, one of said windings being adjustably coupled to said transformer secondary winding, the other of said series connected windings being mounted in fixed relationship with respect to said primary winding and coupled to said secondary winding whereby adjustments in the coupling between the secondary winding and the primary

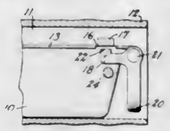
winding also affect the coupling between said secondary winding and said last named series connected winding.

2,183,749
PILOT LIGHT FOR OIL BURNERS
Donald H. Lapointe, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application November 1, 1937, Serial No. 172,123
4 Claims. (Cl. 158—94)



1. In an oil stove, in combination, a wick, a wick tube having a notch in its side wall adapted to expose a portion of wick surface when the remainder of the wick surface is withdrawn into the wick tube, whereby a pilot light may be maintained, and a movable cover for the notch.

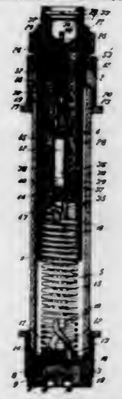
2,183,750
ICE TRAY
Alvar Lenning, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 12, 1936, Serial No. 68,466
In Germany March 14, 1935
17 Claims. (Cl. 62—108.5)



1. In combination with an ice tray having a removable grid, an improved force multiplying device for breaking the grid loose from the tray and including a bell-crank lever pivoted on the tray, with the short arm adapted to engage the grid and operable to exert a removing force substantially perpendicular to the force exerted on the long arm.

2,183,751
CIRCUIT INTERRUPTER
George F. McMahon, Chicago, and Allan Ramsey, Evanston, Ill., assignors to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application February 3, 1936, Serial No. 62,118
88 Claims. (Cl. 200—117)

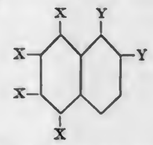
8. In a fuse device, the combination of a tubular housing comprising a ferrule at each end, an extensible spring link having a spring and having terminals for cooperating with said ferrules, the first terminal and the first ferrule having cooperating threads for closing the ferrule and anchoring the said first terminal, the second ferrule having spring fingers and the second terminal having a shoulder which is adapted to be



engaged by the spring fingers when the second terminal is drawn through the second ferrule.

2,183,752
DYEING OF FURS
Mordecai Mendoza and George Stuart James White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 6, 1937, Serial No. 141,092. In Great Britain May 27, 1936
5 Claims. (Cl. 8—10)

1. The process of dyeing fur which comprises pre-treating the fur by the chrome tannage process, giving the fur a pH value between 6 and 7, immersing the pretreated fur in an approximately neutral solution of a dye heated to about 40° to about 90° C., said dyes being made by coupling diazotized 4:6-dinitro-2-aminophenol and a coupling component represented by the formula

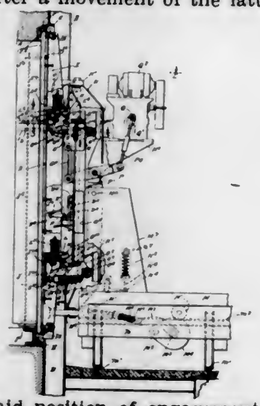


in which one X is hydroxy and the other X's are hydrogen and one Y is hydrogen and the other Y is one of the group consisting of amino, NH-alkyl, NH-aryl, NH-hydroxyalkyl, dialkylamino and NH-acyl; and continuing the immersion with periodic additions of small amounts of organic acids until the dyeing of the fur is completed.

2,183,753
COKE OVEN DOOR MACHINERY
Joel Sanford Potter, Valley Cottage, N. Y., assignor to Louis Wilputte, New Rochelle, N. Y.
Application August 13, 1936, Serial No. 95,806
21 Claims. (Cl. 202—248)

1. A door machine for removing and replacing doors normally closing the ends of horizontal coke oven chambers, comprising in combination a door engaging member adapted for movement upward to engage a door occupying its normal closed position and lift the door to a higher level, means for moving said member upward from an initial position fixed by the door machine and independent of the door position and below its

position of engagement with the door, and means for interrupting the upward movement of said member after a movement of the latter upward

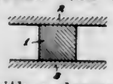


from its said position of engagement, which is predetermined and independent of the distance between said initial position and said position of engagement.

2,183,754
PROCESS OF DYEING
Paul Schlack, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application February 19, 1936, Serial No. 64,776. In Germany February 21, 1935
8 Claims. (Cl. 8—57)

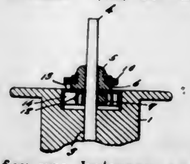
1. In a process of dyeing a fibrous textile material, selected from the group consisting of those which contain non-basic radicals capable of being converted into basic condition and those which contain basic radicals capable of being converted into more strongly basic condition, by treatment with a medium containing a dyestuff having an acid group, the improvement which consists in adding to said medium a substance which will produce at least one of the above mentioned conversions of such of the aforesaid radicals as are contained in said textile material.

2,183,755
THERMONEGATIVE RESISTOR
Walter Schottky, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application April 25, 1935, Serial No. 18,082
In Germany April 30, 1934
5 Claims. (Cl. 201—63)



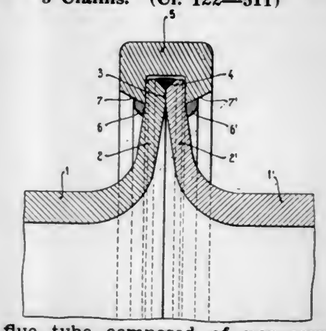
1. A resistor with a descending characteristic, comprising a conductor having a negative temperature coefficient, said conductor consisting of a solid, homogeneous, coherent material and having the diameter of its current-traversed cross section of a size approximately 1/10 mm. and less, an insulating enclosure covering the side surfaces of said conductor, and metallic electrodes of relatively large proportions with respect to those of said conductor, said electrodes being secured to said conductor at its end faces and having at their surfaces contacting said conductor a larger diameter than said end faces, said insulating enclosure and said electrodes being disposed for dissipating the heat produced within said conductor, chiefly by heat conduction.

2,183,756
FLIER BLOCK BRAKE
Wilson Woodrow Tew, Elon College, N. C.
Application July 25, 1939, Serial No. 286,464
2 Claims. (Cl. 57—116)



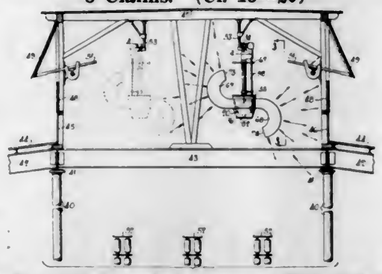
1. A brake for use between a spinner bobbin and a flier block, relatively rotatable about the axis of a common spindle, comprising a circular cup-like housing adapted to be countersunk in fixed inverted position in the top of said bobbin concentrically of said axis, an axial sleeve adapted to extend from said block into said housing and having a radial lug thereon rotatable on said housing about said axis, and a band of flexible metal fitting in said housing, said band being diametrically split for reaction into frictional engagement with the inner circumferential wall of said housing and terminating in a pair of laterally spaced arms extending inwardly of the band upon opposite sides of the sleeve, respectively, in the plane of rotation of said lug, said arms normally reacting toward said sleeve to frictionally engage opposite sides of said lug and brake rotation thereof and being movable outwardly under rotation of said bobbin and the action of centrifugal force away from said sleeve out of braking position.

2,183,757
FLUE TUBE FOR STEAM BOILERS
George A. van der Graaf, Voorburg, Netherlands, assignor to Anne J. M. A. van der Does de Bije, The Hague, Netherlands
Application June 23, 1938, Serial No. 215,444
In the Netherlands November 24, 1937
5 Claims. (Cl. 122—511)



1. A flue tube composed of non-corrugated tubular elements, wherein adjacent ends of said elements are outwardly flanged and the flanges are connected together, characterised in that the flanges are reduced in thickness, contiguous only through a small radial width and welded together around their marginal edge portions only.

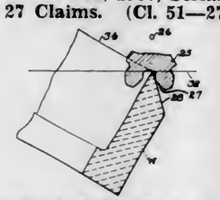
2,183,758
CLEANING APPARATUS
William B. Walker, Roxboro, N. C.
Application November 12, 1936, Serial No. 110,503
8 Claims. (Cl. 15—20)



1. In apparatus for removing lint and other foreign particles from the sidewalls and top of roof structure for buildings employing a trackway disposed below the said top and between the said sidewalls, blast producing and directing means mounted for travel along said trackway, said directing means having oppositely directed orifices arranged at different levels for permitting air issuing therefrom to strike selected portions of the roof and sidewalls, and means for turning said directing means approximately 180 degrees at specified points along the trackway so that when the blast producing and directing means passes again along the trackway the portions which were missed by the blasts issuing from the directing means on a previous lap will be swept thereby.

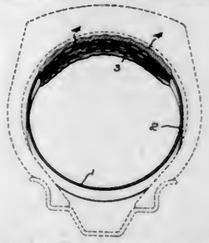
8. In apparatus for removing lint and other foreign particles from the sidewalls and the roof and roof supporting structure of a building, employing a trackway disposed below the roof and between the sidewalls, blast producing means mounted for travel on said trackway and arranged to discharge two oppositely directed blasts of air at different levels to strike against the roof supporting structure and sidewalls, and means for turning the blast producing means approximately 180 degrees at specified points as it travels along the trackway.

2,183,759
METHOD AND APPARATUS FOR GRINDING GEARS
Ernest Wildhaber, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 11, 1937, Serial No. 147,682
27 Claims. (Cl. 51—278)



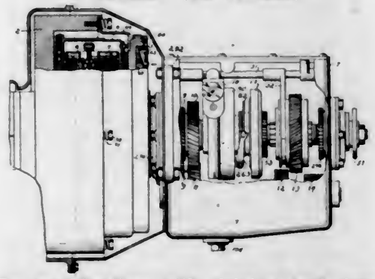
17. The method of grinding a gear which comprises employing an annular grinding wheel whose active surface is inclined to the axis of the wheel at other than right angles and at an angle greater than the pressure angle of the tooth surfaces to be ground, positioning said wheel relative to the gear so that said active surface is inclined to the root plane of the gear at an angle equal to the pressure angle of the tooth surfaces to be ground, and effecting a relative rolling movement between the wheel and gear to generate the tooth profiles while producing a relative movement between tool and gear in the direction of the axis about which said rolling motion takes place and in time with the rolling movement.

2,183,760
PNEUMATIC TUBE
Edwin T. Wyman, Boston, Mass.
Application August 1, 1936, Serial No. 93,834
7 Claims. (Cl. 152—348)



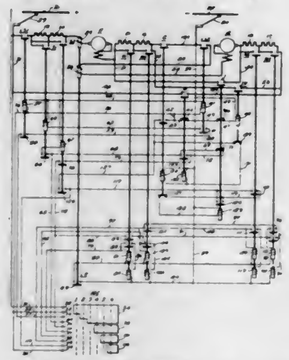
4. An inner tube for pneumatic tires made of elastic and readily deformable tire material, having a corrugated tread, in which the corrugations are spaced apart from one another by distances between corresponding points less than six times the thickness of the tread material and the height between ridges and valleys of the corrugations is less than such spacing, whereby said tread, when distended by pneumatic pressure within the tube to an extent less than sufficient to obliterate the corrugations, and forced by such pressure against a confining wall, is forced toward conformity with such confining wall, with compression of the material in all of the corrugations and without substantial change from the original spacing between the chests of the corrugations.

2,183,761
TORQUE CONVEYING AND CONVERTING APPARATUS
Robert B. Aspinwall and Tracy B. Tyler, Detroit, Mich., assignors to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Application December 10, 1934, Serial No. 756,900
47 Claims. (Cl. 74—336)



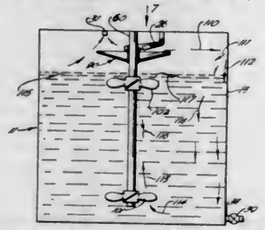
1. In combination with driving and drivable torque transmitting elements, power transmission means including a clutch, operating means for the clutch responsive to speed change of the driving element, for coupling one element to the other upon attainment of a predetermined speed by the former, additional transmission means including a fluid pressure operable clutch for connecting said elements at a different ratio, said clutches being engageable in overlapping relation whereby the transmission of torque between said elements may be uninterrupted, and means responsive to speed variation of the driven shaft for controllingly actuating said fluid-pressure operable clutch.

2,183,762
MOTOR CONTROL SYSTEM
Bascum O. Austin, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 28, 1938, Serial No. 216,279
7 Claims. (Cl. 172—179)



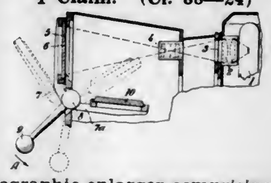
7. In a motor control system, in combination, a pair of electric motors, power conductors, switching means for connecting the motors to the power conductors in series-circuit relation, a plurality of switches for controlling the acceleration of the motors, said accelerating switches having closing coils and holding coils disposed thereon, interlocking means on the accelerating switches for controlling their sequence of operation, a relay responsive to the motor current for controlling the energization of the closing coils of the accelerating switches, transition means for changing the motors from series to parallel-circuit relation, and interlocking means for controlling the operation of said transition means independently of said relay.

2,183,763
SLIP DEAERATOR
Davis Brown, Los Angeles, Calif.
Application September 23, 1938, Serial No. 231,371
3 Claims. (Cl. 183—2.5)



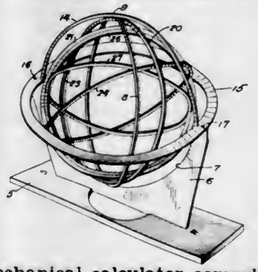
1. In a device as described, the combination of a closed tank, a suction means connected to said tank to create a partial vacuum therein, a feed means for slip adjacent the top of the tank, a vertical shaft depending in the tank, there being a clearance below the lower end of the shaft and the bottom of the tank, a plurality of propeller type of agitators mounted on the shaft, means located above the tank to rotate said shaft, a disk mounted on the shaft above the uppermost propeller, a discharge means for the slip depositing the slip on the disk whereby the slip develops a rotation with the disk and is discharged at its periphery by centrifugal action above the surface of the slip in the tank, the propellers being operated to produce an upward and a downward circulation of the body of the slip as it fills the tank, the suction means being operative to remove occluded air and gases separated from the slip.

2,183,764
PHOTOGRAPHIC ENLARGING APPARATUS
Ferdinand Busse, Munich, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
Application December 7, 1937, Serial No. 178,479
In Germany December 7, 1936
1 Claim. (Cl. 88—24)



A photographic enlarger comprising means for projecting an enlarged image to a fixed image plane, a unitary carrier having extensions disposed at substantially right angles to each other, said carrier being pivoted substantially at its center adjacent the fixed image plane, a platen for photographic material on one of said extensions and a viewing screen on the other of said extensions, and means for rocking said carrier on its pivot to selectively bring said platen and said screen into said image plane, each extension moving out of alignment with said plane as the other moves into the plane, said platen also being transparent for viewing a projected image therethrough.

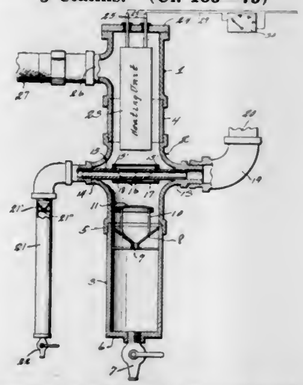
2,183,765
SPHERICAL TRIANGLE MEASURING INSTRUMENT
John H. Coleman, Asheville, N. C.
Application December 6, 1938, Serial No. 244,252
6 Claims. (Cl. 33—1)



1. A mechanical calculator comprising a base, a meridian plate extending perpendicularly from one side of said base and provided with a circular aperture and having shoulders substantially in alignment with the diameter of said aperture parallel to said base, a first combined azimuth and right ascension circle seated on said shoulders and having its inner edge substantially flush with the edge of said aperture, said first

circle being reversible end-for-end on said shoulders, and a second circle pivoted to rotate on said meridian plate within said aperture about a diameter perpendicular to the plane of said first circle, said second circle being graduated for altitudes and zenith distances.

2,183,766
AIR TREATING DEVICE
Armand J. Desautels and Louis L. Levesque, Nashua, N. H.
Application November 26, 1938, Serial No. 242,620
3 Claims. (Cl. 183—75)



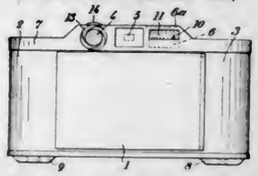
1. A device of the character described, comprising an elongated hollow body designed when in use to be vertically arranged in an air pipe line, means intermediate the ends of the body for introducing air thereinto, a tube disposed transversely within the body and connected at one end with the air inlet means, the other end of the tube being closed from connection with the interior of the body, said tube being provided with upwardly directed air outlet apertures, a cylinder encircling the tube and connected at its ends therewith, said cylinder having spirally extending slots therethrough, said slots being arranged whereby said tube apertures are directed toward a solid wall surface of the cylinder, and air outlet means at the upper end of the body.

2,183,767
FRAMED PASTRY CLOTH
Ebenhard S. Gandrud, Owatonna, Minn.
Application November 25, 1938, Serial No. 242,298
9 Claims. (Cl. 107—46)



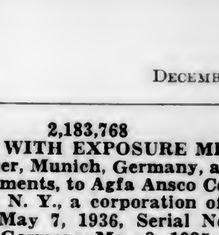
1. A portable, collapsible, framed pastry device comprising a flexible pastry sheet, bars applied to the upper and lower edges of said sheet, and stretcher rods connected to the corresponding ends of said bars and separating the same to hold the sheet spread, said stretcher rods being applied to hold one of said bars above and the other below the plane of the spread sheet.

2,183,768
CAMERA WITH EXPOSURE METER
Leo Goldhammer, Munich, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
Application May 7, 1936, Serial No. 78,414
In Germany May 8, 1935
2 Claims. (Cl. 88—23)



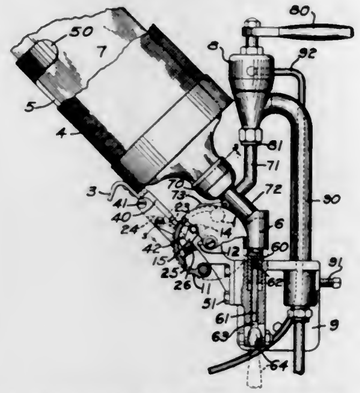
1. In a roll film camera in combination a casing having a narrow side wall, a cap on said wall, two spool chambers in said casing, a photo-electric exposure-meter comprising a photo-electric cell, a measuring instrument, and a variable resistance, said measuring instrument comprising a directly readable scale in substantially parallel relationship with said wall, a second scale forming an angle with the first named scale, a pointer cooperating with said first scale and movable in response to the current of said cell, said pointer having its free end bent to make said end cooperate with said second scale, and optical means for observing said free end of said pointer and said second scale.

2,183,769
PEA AND BEAN SHELLER
James M. Hawkins, Browns Summit, N. C., assignor of one-half to Laurie B. King, Greensboro, N. C.
Application July 28, 1938, Serial No. 221,788
1 Claim. (Cl. 130—30)



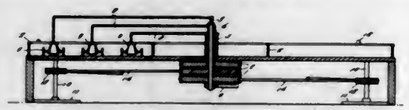
In a green pea and bean sheller, a framework having a pair of parallel sidewalls, each of said sidewalls having a pair of inclined slots therein, the upper ends of the slots being closer together than the lower ends, a pair of squeeze rolls mounted in one pair of slots in each of the side walls and having their peripheries spaced a short distance from each other, a pair of feed rolls mounted in the other pair of slots for feeding peas and beans between the squeeze rolls, the lower of said feed rolls having a plurality of disk knives forming a part thereof, and extending beyond the main periphery of the lower feed roll a distance just sufficient to slit the pea and bean hulls but without mutilating the peas and beans contained within the hulls, means for rotating the squeeze rolls and means for driving the uppermost feed roll at substantially the same surface speed as that of the squeeze rolls, and means for driving the lowermost feed roll having the disk knives at a substantially greater surface speed than the upper feed roll to thereby slit the hulls of the peas and beans before they are engaged by the squeeze rolls.

2,183,770
CARBONATED WATER BOTTLE FILLER
Robert J. Helberg, Seattle, Wash., assignor to Sy-fil Corporation, Seattle, Wash., a corporation of Washington
Application March 9, 1938, Serial No. 194,961
14 Claims. (Cl. 226—67)



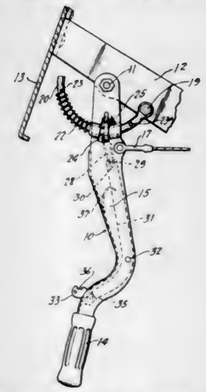
1. A carbonated bottle filler, comprising means to support a bottle in charging position and to charge water and gas under pressure thereinto, means to swing the valve lever of the bottle, when in charging position, to open the bottle's valve, a cage guided for movement through a fixed path to cover and to uncover a bottle supported in charging position, means to lock the cage in bottle-covering position, and means releasable by movement of the locking means into cage-locked position, to interdict opening movement of the valve-opening means except when the cage is thus locked.

2,183,771
RACING GAME
Thomas T. Hill, Beloit, Wis.
Application August 13, 1938, Serial No. 224,800
1 Claim. (Cl. 273—86)



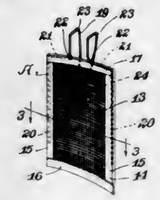
In a game apparatus of the character described, a body having a top constituting a running surface, a center post and concentric tubular posts fitting about said center post, said posts being rotatable relative to each other and being disposed vertically through an opening formed in said top centrally of the running surface, each post having its upper and lower end portions projecting beyond ends of the posts surrounding it, arms extending from upper ends of said posts radially thereof one above another and of progressively greater lengths, objects carried by outer ends of said arms adjacent the upper surface of the top and spaced from each other radially of the running surface, pulleys fixed to the lower end portions of said posts and disposed one above another, a bracket for rotatably supporting said posts straddling said pulleys diametrically thereof with its end portions secured to the under face of said top and its intermediate portion rotatably receiving the center post, drive shafts journaled vertically in said body with their upper ends protruding through the top and provided with turning means, pulleys carried by said shafts within the body, and belts trained about the pulleys of the shafts and companion posts in frictional engagement therewith for individually transmitting rotary motion to the posts, slippage between the pulleys and the belts permitting movement of the objects at speeds relative to each other.

2,183,772
EMERGENCY BRAKE HANDLE FOR AUTOMOBILES
Alvin L. Johnson, Toledo, Ohio, assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application November 25, 1936, Serial No. 112,691
10 Claims. (Cl. 74—531)



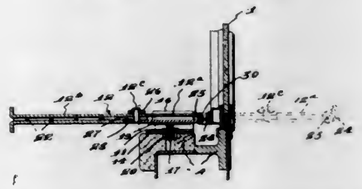
1. In combination with a hand lever for an emergency brake, a stationary rod along which said lever is movable, a locking member pivoted to said lever and having an opening through which said rod passes, said locking member being adapted in one position to enable the lever to move freely with respect to said rod and in another position to cramp against said rod to lock the lever against movement to brake releasing position, a pivotally mounted arm carried by said lever, a yielding connection between one end of said arm and said locking member, and means engageable with the opposite end of said arm for actuating and retaining same in the adjusted position.

2,183,773
REMOVABLE SPOUT STRAINER
Robert E. Lehman, St. Paul, Minn.
Application March 5, 1938, Serial No. 194,093
3 Claims. (Cl. 210—162)



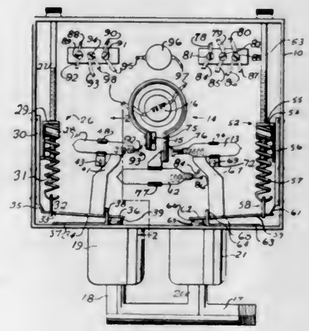
1. A strainer comprising an arcuated screen, a channel-shaped frame marginally enclosing said screen, and supporting clip means partially enclosed by said frame and extending therefrom to provide a resilient supporting means.

2,183,774
OPERATING MECHANISM FOR WINDSHIELDS AND THE LIKE
John F. Levan, Elkhart, Ind., assignor to Excel Curtain Company, Elkhart, Ind., a corporation of Indiana
Application May 5, 1937, Serial No. 140,970
3 Claims. (Cl. 296—84)



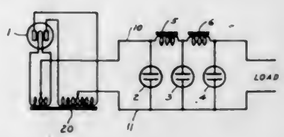
1. The combination with a windshield having outward and inward opening and closing movements; of an operating mechanism therefor including a guide in the form of a channel formed with a lug extending into the channel, an operating member slidable endwise through the channel, the operating member including two sections arranged end to end, one section being U-shaped in cross section and connected to the windshield, the other section being hinged to said first-mentioned section by a stop joint connection, and notches in both sections for receiving the lug, the sections being provided with means for locking the sections in end to end position.

2,183,775
CIRCUIT CONTROLLING SYSTEM
Theodore F. Pike, St. Paul, Minn., assignor to Automatic Control Company, St. Paul, Minn., a corporation of Minnesota
Application July 5, 1938, Serial No. 217,578
8 Claims. (Cl. 175—320)



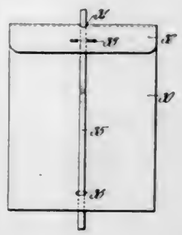
1. A motor circuit controlling system operative in response to alterations in pressure of a pressure system, comprising a first switch adapted to be closed by decrease of pressure and to be opened by increase of pressure in said pressure system, a second switch, a circuit controlled by said first switch including means for controlling said second switch, a third switch adapted to be closed by decrease of pressure and to be opened by increase of pressure in said pressure system, an operating relay for said motor circuit, a main circuit for said relay controlled by said second switch, and a holding circuit for said relay controlled by said third switch.

2,183,776
ELECTROLYTIC DEVICE
Preston Robinson, Williamstown, and Joseph L. Collins, North Adams, Mass., assignors to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts
Application May 27, 1938, Serial No. 210,533
9 Claims. (Cl. 175—315)



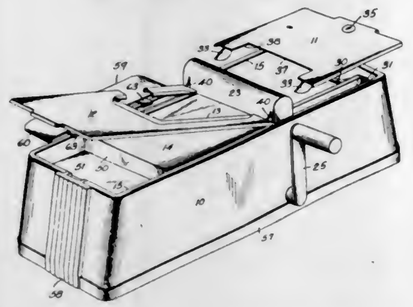
6. An electrolytic condenser comprising an electrolyte and an aluminum electrode immersed in said electrolyte, said electrode provided with a layer of substantially unhydrated aluminum oxide adjacent to the surface of the electrode and adjacent to said unhydrated aluminum oxide a layer of hydrated aluminum oxide effectively blocking the surfaces of said unhydrated layer, said electrolyte being incapable of forming an unhydrated film on the electrode, said condenser being adapted to operate at a greatly increased leakage current at a voltage exceeding that at which said electrode has been formed without exhibiting sparking.

2,183,777
SOUND REPRODUCING DEVICE
Edward Schwartz, New York, N. Y., assignor to The Sound Publicity Corp., New York, N. Y., a corporation of New York
Application February 7, 1939, Serial No. 255,037
3 Claims. (Cl. 274—11)



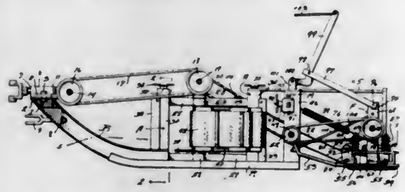
1. A sound-reproducing device comprising in combination, a card member of foldable material folded upon itself along a transverse line so as to have a flap portion thereof foldable into contiguous relation with a main body portion thereof and provided with a primary slot extending through the transverse line and with a secondary slot through said member at a distance away from the transverse line, a record strip member extending through each of the slots and movable longitudinally thereof between the flap portion and the body portion of said card member, and a means associated with the contiguous portions of said card member arranged whereby when the flap portion is manually pressed against said means and the body portion of said card member and the portion of said strip member disposed therebetween said strip member moving through the contiguous portions produces sounds.

2,183,778
AUTOGRAPHIC REGISTER
Joel F. Sheppard and Charles J. Manuel, Dover, N. H., and William A. Pringle, deceased, late of Niagara Falls, N. Y., by Henry Durk, executor, Niagara Falls, N. Y., assignors to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Original application April 4, 1935, Serial No. 14,664. Divided and this application November 22, 1937, Serial No. 175,812
33 Claims. (Cl. 282—16)



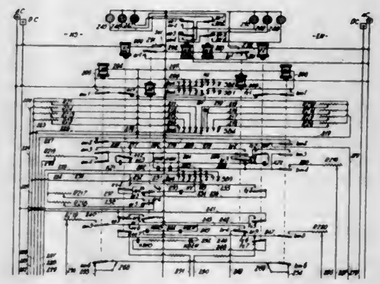
2. In a machine of the character described, in combination, a feed roll carrier, means movably mounting said carrier on the machine for movement to and from operative position, a cover for the machine pivoted to said carrier, and means for holding said carrier in operative position and connected for operation by movement of said cover.

2,183,779
BEET TOPPING MACHINE
Harry V. Shuler, Ontario, Oreg., assignor of forty per cent to Frank Miller, Ontario, Oreg.
Application October 2, 1937, Serial No. 167,049
3 Claims. (Cl. 55—107)



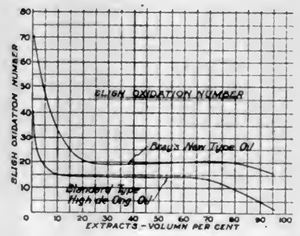
1. A machine of the class described comprising a portable supporting structure, a rotary cutter carried thereby and rotating about a vertically disposed axis, a horizontally disposed plate carried by the structure and positioned above the rotary cutter, said plate being mounted for limited movement in a vertical direction, yieldable means resisting the upward movement of said plate, guide rollers carried by the plate and positioned fore and aft of the axis of the cutter, an endless belt extending between the plate and cutter and operatively engaging the guide rollers, said belt being disposed in the general direction of travel of the machine, said belt extending a material distance in advance of the plate, the stretches of the belt being vertically spaced, the lower stretch in advance of the plate being upwardly and forwardly directed, and means for operating the cutter and belt.

2,183,780
TRAFFIC ACTUATED CONTROL SYSTEM AND APPARATUS
Harry A. Wilcox, Bronxville, N. Y., assignor to Automatic Signal Corporation, New York, N. Y., a corporation of Delaware
Application April 15, 1936, Serial No. 74,422
23 Claims. (Cl. 177—337)



1. In a traffic control system for use at the intersection of two lanes including "stop" and "go" signals adapted to be displayed to the traffic thereon, vehicle actuated means in both lanes, means for according right-of-way alternately to the two lanes including means for timing the display period of a "go" signal to one lane and a "stop" signal to the other lane and means included in said timing means for extending the display period of the "go" signal in said one lane by a small increment of time in response to each actuation of the vehicle actuated means in said one lane during the display of the "go" signal therein and means included in said timing means for decreasing the amount of such increment of extension of said "go" signal display period, in response to actuation of the vehicle actuated means in said other lane while the "stop" signal is being displayed therein.

2,183,781
SPRAY OIL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application January 27, 1936, Serial No. 60,941
12 Claims. (Cl. 196—149)



1. A spray oil in the form of an extracted petroleum fraction having an A. P. I. gravity in the vicinity of 23 to 27, an overall Sligh oxidation number in excess of about 20 of which approximately 80% possesses a Sligh oxidation number between 15 and 25 and averaging about 20, the oil having a de Ong number less than about 80.

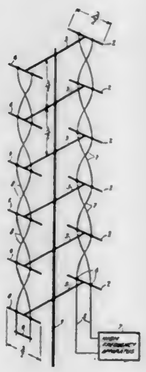
2,183,782
PROCESS FOR DESULPHURIZING OIL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application September 28, 1936, Serial No. 102,978
9 Claims. (Cl. 196—28)

1. A method for treating light petroleum oil distillates of the type of gasoline and kerosene containing objectionable organic sulphur compounds which comprises vaporizing the distillate and contacting the vapors with a porous oxide of zinc at a temperature to react some of the oxide with said organic sulphur compounds to produce a catalytic metal sulphide and continuing the contact at temperatures wthin the range of 400° F. to 650° F. to convert the organic sulphur compounds into organic sulphides and separating the distillate from said metal oxides and sulphides.

2,183,783
LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application August 2, 1937, Serial No. 156,959
7 Claims. (Cl. 196—151)

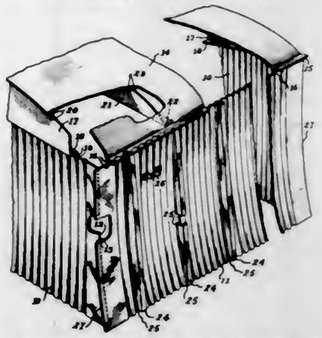
1. A lubricating oil comprising as important constituents a large proportion based on the total composition of a highly refined mineral spray oil having a high deOng number and low viscosity, and a highly refined paraffinic viscous lubricating oil fraction of relatively greater viscosity.

2,183,784
DIRECTIONAL ANTENNA
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 4, 1935, Serial No. 342
Renewed September 29, 1938
19 Claims. (Cl. 250—11)



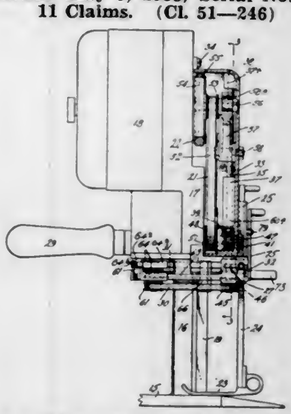
15. An antenna comprising a series of parallel antenna elements substantially in the same plane, each of said antenna elements having a voltage nodal point at the frequency of the operating wave, a metallic mast at relatively zero radio frequency potential, and means fixing said elements to said mast at said voltage nodal points.

2,183,785
ANNEALING COVER
Carleton C. Clark, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application March 10, 1939, Serial No. 261,041
2 Claims. (Cl. 263—49)



1. An annealing cover comprising vertically corrugated side walls of plate metal, and vertically corrugated end walls of plate metal, an arc shaped top of plate metal welded to said side walls and arch members welded to said end walls and to said arc shaped top to close the ends of the cover above said end walls, at least one of said walls being curved throughout its vertical extent to flare outwardly at the bottom.

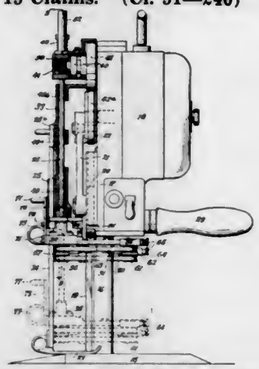
2,183,786
KNIFE-SHARPENING MECHANISM FOR CUTTING MACHINES
Frederick J. Clark, Buffalo, N. Y., assignor to Eastman Machine Company, Buffalo, N. Y.
Application May 9, 1938, Serial No. 206,752
11 Claims. (Cl. 51—246)



1. In a cutting machine, the combination with a knife which has a substantially upright cutting edge and is reciprocated substantially in the lengthwise direction of said edge, of knife-grinding flexible abrasive band-means arranged to contact opposite sides of the edge portion of the knife, a carriage supporting said grinding means, means for moving said carriage and grinding means lengthwise along the knife edge, two laterally spaced apart shafts extending from said carriage upwardly parallel with the knife edge and movable up and down with said carriage, supporting and driving pulleys for said band-means

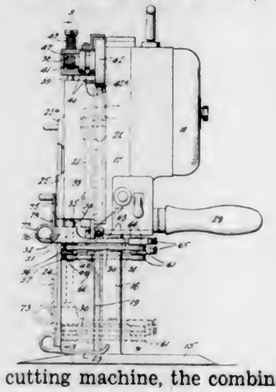
fixed directly on said shafts, a gear train comprising pinions to each of which one of said shafts is slidably connected to rotate with and move axially of said pinion, a motor, and a belt drive mechanism operatively connecting said motor with said gear train for rotating said shafts.

2,183,787
KNIFE-SHARPENING MECHANISM FOR CUTTING MACHINES
Frederick J. Clark, Buffalo, N. Y., assignor to Eastman Machine Company, Buffalo, N. Y.
Application March 9, 1938, Serial No. 194,895
15 Claims. (Cl. 51—246)



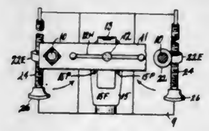
3. In a cutting machine, the combination with a vertically reciprocating knife having a substantially vertical cutting edge, of flexible sharpening belts for the knife at its opposite sides, a vertically movable carriage supporting said belts, and drive mechanism for said belts comprising a shaft extending in an up and down direction above said carriage, a driving motor for said belts operatively connected with the upper portion of said shaft, a vertical shaft rotated by gear wheels connecting it with the lower portion of said first shaft and arranged to move with said carriage relatively to said gear wheels lengthwise of the knife edge, and drive connections from said vertical shaft to said belts.

2,183,788
KNIFE-SHARPENING MECHANISM FOR CUTTING MACHINES
Frederick J. Clark, Buffalo, and Carl F. Hilgeman, Williamsville, N. Y., assignors to Eastman Machine Company, Buffalo, N. Y.
Application March 26, 1938, Serial No. 198,298
11 Claims. (Cl. 51—246)



1. In a cutting machine, the combination with a knife having a substantially upright cutting edge and which is reciprocated substantially in the lengthwise direction of its edge, of knife-grinding means comprising flexible abrasive band means arranged to contact opposite sides of the edge portion of the knife, a supporting carriage for said grinding means, drive mechanism for said grinding means comprising two shafts extending side by side above said carriage parallel with the knife edge, a power-operated driving motor geared to said shafts, a pair of shafts extending downwardly from and slidable lengthwise of and driven by said first two shafts, a pulley fixed directly on each of said slidable shafts and engaging said flexible band means for driving the same, and means for moving said carriage with said grinding means and last mentioned shafts lengthwise along the knife edge.

2,183,789
SHOE HEEL NAILER
William W. De Rusha, St. Paul, and Lewis L. Gish, Minneapolis, Minn.
Application June 9, 1937, Serial No. 147,282
3 Claims. (Cl. 1—32)



1. A shoe-heel building and repairing device comprising a base, an upright frame on said base, support means in said upright frame for removably holding the heel part of a shoe in inverted position, means mounted on the frame for adjustably and frictionally engaging and clamping the shoe heel from opposite sides and corresponding adjustable means over the heel lift for engaging the latter downwardly, a nail driver member below said shoe heel support comprising in part a plurality of upwardly directed plungers guided in bores in the shoe heel support each bore adapted to retain a nail, point up, and said driver comprising further a vertically actuated driver member in which said plungers are retained, said driver member to be actuated upwardly to drive the nails into the shoe heel, said upright frame comprising a pair of upright posts, said nail driving means mounted intermediate said posts, a cross bar connecting the upper ends of the posts, said shoe heel clamping and lift contact means comprising a pair of threaded rods, one for each post, a sleeve on each post movable longitudinally and rotatably within predetermined limits thereon and having a threaded extension lug for the threaded rod, one end of the latter having a foot piece adapted to be adjusted by rotation of the rod toward and into engagement with a side of the shoe heel, and a single vertically adjustable screw rod threaded through the top cross bar of the frame and its lower end adaptable for frictional engagement with the lift of the shoe heel.

2,183,790
OPAQUE MATERIALS FOR X-RAY AND RADIUM WORK OR THE LIKE
Edward R. Dillehay, Glen Ellyn, and George M. McFedries, Oak Park, Ill., assignors to The Richardson Company, a corporation of Ohio
Application March 21, 1935, Serial No. 12,272
2 Claims. (Cl. 250—108)

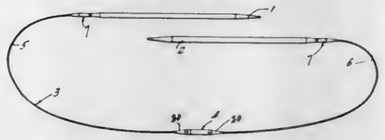
1. In combination, a layer of lead and a dec-

orative panel of condensation resinous composition, said lead being coated with an adhesion



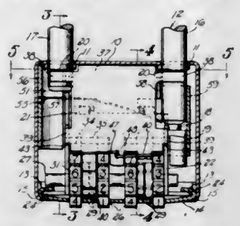
promoting metal and bonded to said panel by a bonding substance.

2,183,791
KNITTING NEEDLE CONNECTOR
William Henry Robert Dunn, Los Angeles, Calif.
Application March 24, 1939, Serial No. 263,930
4 Claims. (Cl. 66—117)



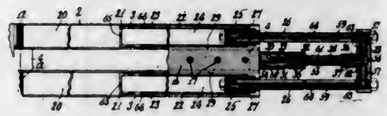
4. In a knitting needle, the combination of a pair of points, a flexible cable, means for releasably connecting the points to the flexible cable, and a releasable connecting and swivel member mounted in the cable including swivel means whereby one section of the cable may be rotated with reference to the other, and including a releasable connection between the connector and one cable section whereby the number of cable sections interposed between the knitting points may be varied at will.

2,183,792
PERMUTATION LOCK
James A. Eden, Springfield, Mass., and Porter Chase, West Hartford, Conn., assignors, by mesne assignments, to Bemis & Call Company, Springfield, Mass., a corporation of Massachusetts
Application October 14, 1937, Serial No. 168,878
6 Claims. (Cl. 70—25)



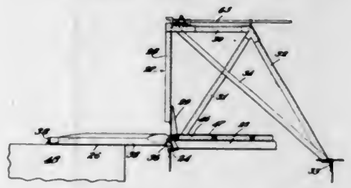
1. In a lock, a casing having a closed end and an open end, the closed end having a pair of aligned openings therein, a shackle receivable in said opening and having an effective and an ineffective position, a chassis within said casing, said chassis having side walls and a cross wall, said cross wall being adapted to abut the front end of the casing to position the chassis therein, an outwardly projecting lug formed integral with each of the side walls at the base thereof, means carried by the chassis for controlling the position of said shackle, a closure member for the open end of the casing, said closure member having outwardly extending tongues adapted to be bevelled over and secured to said outwardly extending lugs for securing the chassis to the closure member, and an inturned flange on the lower end of the casing for securing said closure member and chassis inside the casing.

2,183,793
ROCK DRILLING MECHANISM
James G. Graham, Butte, Mont., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 6, 1936, Serial No. 94,501
3 Claims. (Cl. 121—9)



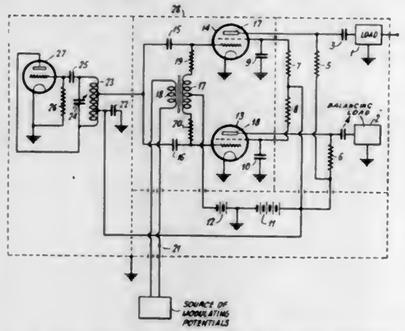
1. In a rock drilling mechanism, in combination, guiding means comprising a pair of tubular guide members arranged in rigid parallel side by side relation, a rock drill guided on said guiding means for feeding movement longitudinally along said parallel guide members therebetween, and means for feeding said rock drill along said guiding means comprising stationary feed cylinders arranged in said guide members respectively, feed pistons reciprocable in unison within said feed cylinders and having parallel tubular piston rods arranged within said guide members, said tubular piston rods having parallel feed cylinders formed therein, feed pistons reciprocable in unison within said last mentioned feed cylinders and having parallel piston rods projecting outwardly from said guide members, a connecting rod parallel with said last mentioned piston rods and arranged longitudinally between said guide members, said connecting rod secured to the rock drill, and a transverse connection between the outer ends of said last mentioned piston rods and said connecting rod, said guide members slotted longitudinally along the adjacent inner sides thereof to receive said transverse connection, said slots permitting longitudinal movement of said transverse connection relative to said guide members as the rock drill is fed along said guiding means.

2,183,794
FREIGHT CONTAINER
Donald W. Perin, Greenfield, Mass., assignor to Roloff Inc., of Mass., Cambridge, Mass., a corporation of Massachusetts
Application August 17, 1935, Serial No. 36,665
7 Claims. (Cl. 105—366)



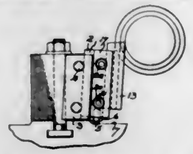
1. In a car having side gates and adapted to transport a plurality of freight containers, means for locking said gates in closed position comprising a plurality of posts mounted within the car, elements mounted on the corners of the gates and locking means carried by said posts for engagement with said gate elements, said elements including blocks and said means including blocks and angle members, spaced apart to form pockets which receive the blocks of the gate elements, and pins which secure the gate blocks in the pockets, and means carried by said posts for securing the containers in position in the car.

2,183,795
MODULATOR SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 15, 1937, Serial No. 120,672
6 Claims. (Cl. 250—17)



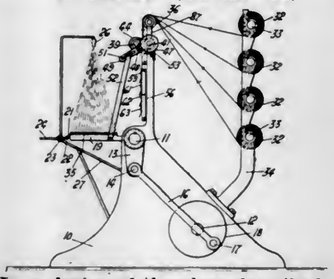
1. In a system for modulating wave energy and for maintaining the frequency of the wave energy constant during such modulation, a source of wave energy of substantially constant frequency, a modulator system comprising a pair of electron discharge tubes having control electrodes connected in phase to said source of wave energy, means connecting corresponding electrodes of said tubes in phase opposition to a source of modulating potentials, a signaling circuit connected to the output electrodes of one of said tubes and a circuit having characteristics similar to said signaling circuit connected to the output electrode of the other of said tubes, said tubes and circuits presenting a substantially constant total impedance to said source of wave energy during operation of said system.

2,183,796
FORMING TOOL
Thomas F. Saffady, Detroit, Mich.
Application March 14, 1938, Serial No. 195,844
5 Claims. (Cl. 29—96)



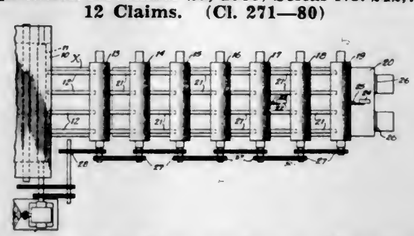
1. A forming tool comprising a base having means thereon for attachment to a machine, one side of the base having serrations thereon, a stop extending forwardly from the serrated side along one margin which is angularly disposed to the serrations, the inner edge face of the stop being undercut, a cutter portion having a profile formed upon one side and serrations upon its opposite side, the serrations being angularly disposed to said profile and adapted to coact with the base serrations, one margin of the cutter portion which is angularly disposed to its serrations being undercut to provide a bearing which rests against the undercut portion of the stop, and a lock member removably mounted upon the edge face of the base parallel with and remote from the stop, and means on said lock member adapted to retain the undercut portions of the stop and the cutter portion in engagement.

2,183,797
METHOD OF AND APPARATUS FOR MAKING COLOR CARDS
Samuel H. Smith, Olmsted Township, Cuyahoga County, Ohio
Application January 9, 1937, Serial No. 119,826
17 Claims. (Cl. 216—14)



17. In a device of the class described, a member adapted to support color strips, a member adapted to support a blank, said members being movable into pressure transmitting relationship, and means operable to sever color chips from the color strips as said members are brought into pressure transmitting relationship, said means serving to hold severed chips against the blank and thereby attaching the severed chips to the blank to form a color card.

2,183,798
SHEET CATCHING AND STACKING MECHANISM
Harry W. Theiss, Louisville, Ohio, assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana
Application November 28, 1938, Serial No. 242,760
12 Claims. (Cl. 271—80)

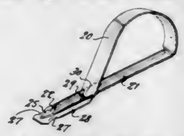


1. In sheet stacking mechanism of the class described, the combination of a plurality of magnetizable rolls arranged in overhanging relation to the sheet feeding plane and adapted in sequence to magnetically engage, suspend and advance the sheets to the point of deposit, automatic means located at an intermediate point and actuated by the arrival of a sheet at said point for demagnetizing certain of the magnetizable rolls while leaving other rolls magnetized, and automatic means located adjacent the point of final deposit and actuated by the arrival of a sheet at that point for demagnetizing the remaining rolls to effect release and deposit of the sheets.

2,183,799
TAGGING SEAL
Henry L. C. Wenk, Jr., Jamaica, N. Y.
Application December 6, 1938, Serial No. 244,165
5 Claims. (Cl. 292—315)

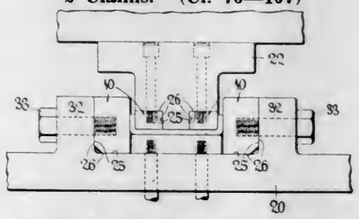
1. A seal device of the kind described comprising, a bendable portion, a relatively rigid needle element connected therewith, a needle receiving section also connected with said bendable portion and adapted to be opposed to said needle element

by flexing said bendable portion, said receiving section including an opening through which the needle element may be projected and a raised inwardly open sheath means spaced outwardly beyond and in line with said opening and conformably shaped to receive the point of said



needle element, whereby the end portion of said needle element, when engaged through said opening and its point entered in said sheath means, is disposed in superposed relation to said receiving section subject to interlocking deformation by a suitable sealing tool.

2,183,800
METHOD OF TREATING AND ASSEMBLING DIE ELEMENTS
Lawrence V. Whistler and Sanford A. Whistler, Kenmore, N. Y.
Application October 16, 1937, Serial No. 169,503
2 Claims. (Cl. 76—107)

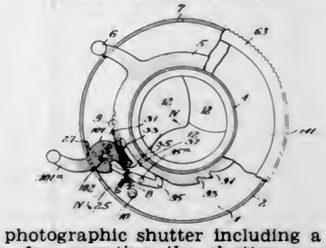


1. A method of making die structure having spaced sets of openings for receiving fastening elements and adapted to have a plurality of die members fitted into the structure of a die shoe or punch holder with a portion of each die member exposed for dieing out operations, which comprises bringing together a plurality of substantially uniformly shaped die members substantially polygonal in cross section with sides thereof in face to face contact, subjecting the assembled die members to carburizing process while maintaining said sides in face to face contact whereby said sides remain free from carburizing action, said sides being adapted to be fitted in facing contact against companion surfaces of said die structure, grinding the carburized sides of the die members to finish them, subsequently forming sets of openings in uncarburized sides of the die members in spaced relation according to the spacing of the sets of openings in said die structure, and rigidly assembling the die members in said die structure by securing the fastening elements in said openings with the hardened surfaces exposed to contact work to be operated upon and with the unhardened surfaces disposed against companion surfaces of said die structure.

2,183,801
PROCESS FOR REMOVING ACID COMPONENTS FROM HYDROCARBON DISTILLATES
David Louis Yabroff, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 7, 1939, Serial No. 255,100
6 Claims. (Cl. 196—32)

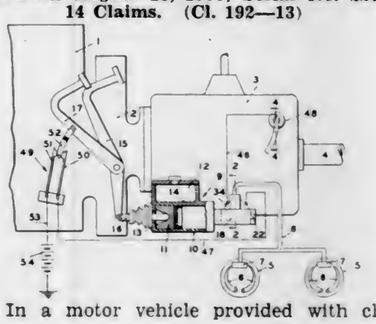
1. In the process of separating organic acid reacting substances contained in a water-insoluble neutral or basic organic liquid, the steps comprising treating said liquid with an aqueous solution of a strong base containing a substantial amount of dissolved propylene glycol, said solution containing from 15 to 70% water, under conditions to absorb at least a portion of said acid reacting substances in said aqueous solution and to form two liquid layers, one comprising the aqueous solution containing absorbed acid reacting substances, and the other consisting essentially of the treated organic liquid, and separating the layers.

2,183,802
PHOTOGRAPHIC SHUTTER
Hans Zizelsberger, Munich, Germany, assignor to Friedrich Deckel, Munich-Prince Ludwigshohe, Germany
Application August 11, 1938, Serial No. 224,327
7 Claims. (Cl. 95—63)



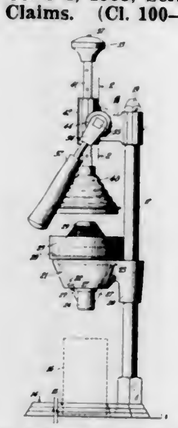
1. A photographic shutter including a master member for operating the shutter, means for moving said master member from a rest position to a tensioned position ready to operate said shutter to make an exposure, and a release member movable to release said master member for exposure-making movement from said tensioned position back to said rest position, characterized by the fact that said release member has an integral portion which moves in a general direction toward the central part of said master member when said release member moves in a releasing direction, and that said master member has a portion so shaped as to lie in the path of movement of said portion of said release member to block releasing movement thereof when said master member is in said rest position, movement of said master member to its tensioned position being effective to withdraw said blocking portion from said path of movement of said release member so that said release member may be moved to release said master member.

2,183,803
BRAKE CONTROL MECHANISM
Laurance M. Betts, Seattle, Wash., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application August 15, 1938, Serial No. 224,919
14 Claims. (Cl. 192—13)



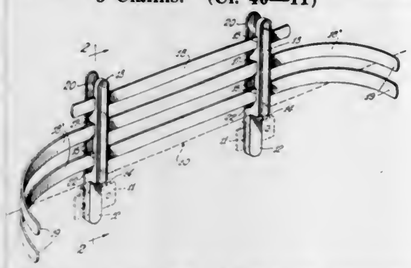
1. In a motor vehicle provided with clutch mechanism and clutch operating means and with braking apparatus, means for holding the brakes applied, control means therefor comprising an element actuated by the clutch operating means and a rotatable element responsive to the speed of the vehicle and preventing said holding means from being effective when the vehicle speed is in excess of a predetermined rate.

2,183,804
FRUIT PRESS
Samuel Bloomfield, Chicago, Ill.
Application June 4, 1938, Serial No. 211,873
7 Claims. (Cl. 100—42)



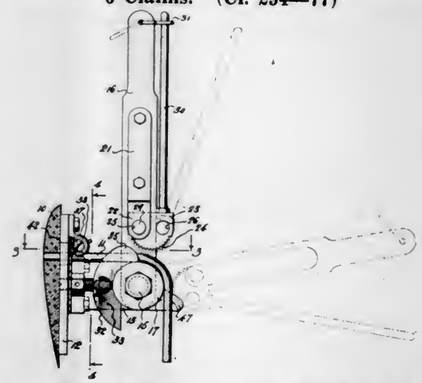
5. In a fruit juicer including a reciprocable rack for driving a pressing member and a driving pinion for said rack, the combination with said driving pinion of coaxially rotatable handle means arranged to shift in the direction of its axis of rotation toward and away from said driving pinion, clutch members respectively coacting with said driving pinion and handle means and operable when the handle means is shifted into a normal position toward said driving pinion to drivingly interconnect the handle means and driving pinion, spring means normally shifting said handle means into said normal position, and means engaged by said handle means when the latter is rotatably moved into a certain position to shift the same axially and disengage said clutch members so that said pinion means may be moved independently of the handle means.

2,183,805
COUNTER RACK
Samuel Bloomfield, Chicago, Ill.
Application July 9, 1938, Serial No. 218,438
3 Claims. (Cl. 40—11)



1. In a counter rack of the type including a pair of fork-shaped uprights arranged for mounting along the edge of a counter, and means joining said uprights, card holding means comprising the provision on each of said uprights of a protuberance formed on the inner side of one of the fork portions thereof, the other fork portion of each upright being constructed to bear yieldingly against the corresponding protuberance, whereby to provide card-retaining means, each of said protuberances having a downwardly curved portion directed toward the opposite fork portion of the corresponding upright to guide the lower edge portion of a card between said protuberance and said opposite fork portion, and each upright further having a downwardly curved portion in the lower part thereof for guiding the lower edge of a card toward said opposite corresponding fork portion.

2,183,806
FORM TIE EXTRACTING MEANS
Samuel S. Colt, West Orange, N. J.
Application April 11, 1939, Serial No. 267,241
6 Claims. (Cl. 254—77)

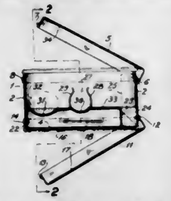


1. In a tool for the purposes described, a foot plate structure having a way for the extension of a tie rod or the like therethrough, supporting means fulcrumed in connection with said foot plate structure, a winch-roll axially aligned with the fulcrum of said supporting means, gripper means pivotally carried by said supporting means for cooperation with said winch-roll, lever means for actuating said gripper means and supporting means relative to said winch-roll, a sheer cam block cooperative with said winch-roll, means engageable with a tie rod extending through said foot plate structure operative to fulcrum the tool on said tie rod for lateral bodily turning movement, and bender means carried by said foot plate structure to engage and bend an angularly downturned end portion of the tie rod to a horizontally laterally projecting position when the tool is bodily turned laterally.

2,183,807
COMBINATION RECEPTACLE
Harry B. Dickson, New York, N. Y., assignor of one-half to Eleanor Austin Dickson, New York, N. Y.
Application July 23, 1938, Serial No. 220,927
9 Claims. (Cl. 132—81)

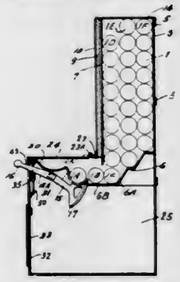
1. An article of the character described comprising a receptacle with a removable cover on one side thereof, a removable member engaged within said receptacle, providing a closed compartment

within said receptacle, a wall of the receptacle having an opening providing access to said compartment, and a removable cover engaged over



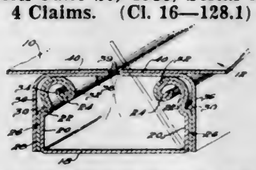
said receptacle opposite said first mentioned cover and serving as a closure for said opening into said compartment.

2,183,808
VENDING MACHINE
Walter Alexander Gentry, San Antonio, Tex., assignor of five-twelfths to R. B. Shoop and one-sixth to Henry Meckel, both of San Antonio, Tex.
Application May 27, 1937, Serial No. 144,999
1 Claim. (Cl. 312—63)



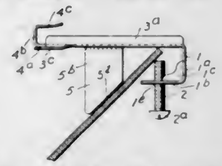
In a dispensing cabinet having an article chute, an ejector for the chute and an open top trough for receiving the ejected articles; closure means for the trough comprising a hinged cover having a dependent rod with an aperture therein, operating means for the ejector comprising an oscillating lever pivoted in the cabinet below the trough and having a handle extending through a slot in the cabinet, locking means for the cover and lever comprising a lockable member movably carried by the cabinet, having projections adapted to simultaneously enter the aperture in the rod and to engage the edge of the lever and hold it against the end of the slot, whereby the cover is held closed and the lever is held against movement.

2,183,809
HOOD CONSTRUCTION
William J. Hall, Detroit, Mich., assignor, by mesne assignments, to William J. Hall, Ollie L. Herron, Wilma M. Zimmers and R. C. Schemmel
Application June 20, 1936, Serial No. 86,299
4 Claims. (Cl. 16—128.1)



4. In a hood construction for motor vehicles, means forming an upwardly opening channel longitudinally of said hood, said means having longitudinally extending side portions in which one of said side portions includes a member having a straight portion and an inwardly bent curved portion intermediate its upper edge and said straight portion, said member terminating at its upper edge in an inwardly and then downwardly curved portion defining a hinge part, a second hinge part having a straight portion and an inwardly bent curved portion engaging the corresponding straight portion and inwardly bent curved portion of said member and having a second inwardly and then downwardly curved portion forming a hinge part receiving the inwardly and downwardly curved portion of said member, a hood wing fixed to said second hinge part for pivotal movement therewith, said hinge wing having a portion which extends beyond said hinge parts toward the center of the hood construction, and another hood wing connected to said means having its longitudinal inner edge parallel and adjacent to the inner edge of said first named hood wing, thereby concealing said channel means.

2,183,810
CHECK-PAD HOLDER
Evangel A. Haveles, Los Angeles, Calif.
Application March 16, 1938, Serial No. 196,220
10 Claims. (Cl. 281—1)



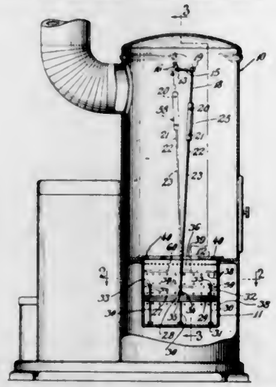
1. In a check-pad holder, the combination with a diagonal shield, of a check-pad holder provided with a screw clamp member at one end adapted to engage and clamp against the upper edge of said diagonal shield and provided with a downwardly extending support intermediate its ends of sufficient length to engage the upper side of said diagonal shield and hold said check-pad holder in a substantially horizontal position on said diagonal shield.

2,183,811
ELECTRICAL INSULATION MATERIAL
Edward C. Homan, East Orange, N. J., assignor to Irvington Varnish & Insulator Co., Irvington, N. J., a corporation of New Jersey
Application September 20, 1938, Serial No. 230,822
3 Claims. (Cl. 154—2.6)



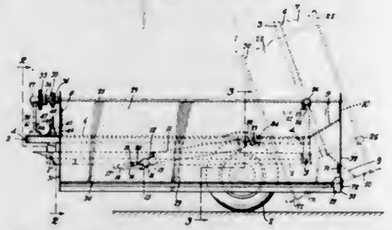
1. Bus bar insulation comprising an enveloping sheet of fabric coated with waterproofing material and faced on its external side with an adhered layer of flexible thermoplastic electrical insulating compound of high fire and water proof characteristics comprising 40 percent copolymerized vinyl chloride and vinyl acetate, 26 percent tricresyl phosphate, 13 percent chlorinated diphenyl, 19 percent filler material and 2 percent lead oxide as a stabilizing agent, these ingredients in such proportions being adapted to become adhesively tacky under applied pressure and heat upwards of 250 degrees F. but which will remain set and non-dripping under bus bar operating temperature, said sheet having overlapped meeting marginal portions bonded together by said compound.

2,183,812
OIL HEATER
Martin Horns, Chicago, Ill.
Application May 20, 1938, Serial No. 209,025
7 Claims. (Cl. 158—91)



1. A device of the character described adapted for use with an oil burner, comprising a baffle plate structure made up of at least two baffle plates adapted to be collapsed or extended in a predetermined spaced relationship, and crank means mounted in the body of said oil burner connected to said baffle plate structure adapted to collapse or extend the said baffle plate structure in a predetermined spaced relationship.

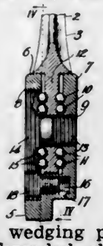
2,183,813
RAISING AND TIPPING VEHICLE
Richard R. Howard and William C. Anthony, Streator, Ill., assignors to Anthony Company, Inc., Streator, Ill., a corporation of Illinois
Application November 30, 1938, Serial No. 243,072
13 Claims. (Cl. 214—67)



1. In combination in a tipping assembly, a body receptacle mounted for tipping, a pressure source, means actuated by pressure from said source for tipping said body, a cover element movably positioned upon said body, and means actuated by the pressure from said pressure source for positively and directly moving said cover element.

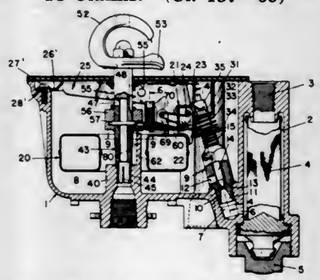
2,183,814
NUT AND BOLT LOCK
William E. Isle, Kansas City, Mo.
Application October 24, 1938, Serial No. 236,631
2 Claims. (Cl. 151—25)

1. In a device of the character described, a structural member having a pair of parallel threaded openings, the outer end of one opening being counter-bored to provide an unthreaded socket intersecting the wall of the other opening, a member threaded into the socketed opening and having a locking head formed with a plurality of annular wedge surfaces projecting into the other opening, and a clamping member threaded into the second opening and enmeshed with the locking head, said locking head being



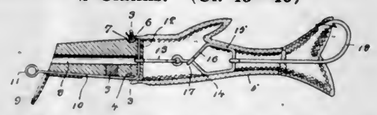
adapted to apply wedging pressure against the threads of the threaded clamping member to lock the parts against rotation after the clamping member has been adjustably positioned, by threading a short distance in or out.

2,183,815
OIL CONTROL DEVICE
Roy W. Johnson, Milwaukee, Wis.
Application February 7, 1938, Serial No. 189,111
14 Claims. (Cl. 137—68)



1. An oil control device of the character described comprising a casing having a liquid supply chamber provided with an inlet, an inlet valve regulating flow through said inlet, a float in said chamber and cooperable with said inlet valve to maintain a constant level in said chamber, said chamber having an outlet, an outlet valve regulating flow through said outlet and operable to shut off flow therethrough in its closed position, and means controlled by the outlet valve and cooperable with the inlet valve to close the inlet valve independently of the action of its float when the outlet valve is moved to closed position.

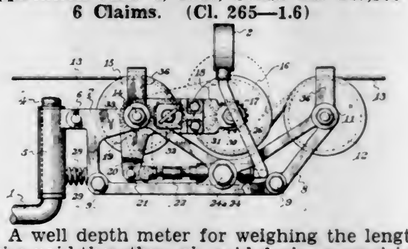
2,183,816
FISH LURE
Charles D. Lovelace, San Antonio, Tex., assignor to Claribel Lovelace
Application April 18, 1938, Serial No. 202,767
2 Claims. (Cl. 43—46)



1. A fish lure comprising a head, a collapsible hollow body secured to the body and formed from pliable material, said head having water inlet and outlet means communicating with the body for the passage of water into and out of the body to cause a pulsating action thereof, line attaching

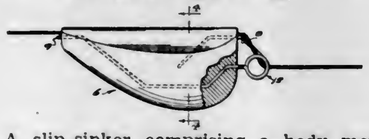
means secured to the head and extended forwardly therefrom, means included in the line attaching means and bridging the water inlet and outlet means, hook attaching means including a link pivotally secured to the bridging means, said hook attaching means being mounted in the body and fitting a portion of the wall thereof to aid in holding the body distended and in alignment with the head, a hook secured to the hook attaching means and extending through the body, said hook having its outer portion engaged with the body to protect the barb thereof, a deflecting plate secured to the head, and a weight secured to the head for holding the lure in an upright position.

2,183,817
WEIGHING DEVICE
Frank H. Mathey, Tulsa, Okla.
Application June 9, 1937, Serial No. 147,370
6 Claims. (Cl. 265—1.6)



1. A well depth meter for weighing the length of wire paid therethrough, said device comprising a frame, a pivoted bell crank lever within the frame, one arm of said bell crank lever having a pulley mounted therein and movable therewith, a second pulley at the pivotal point of the bell crank lever and over and between which pulleys the wire passes, a fluid wire weighing indicator, said fluid wire weight indicator being controlled through pressure control means connected to the bell crank lever.

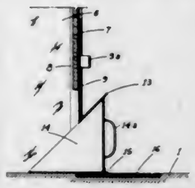
2,183,818
SLIP-SINKER
William D. Minser, Everett, Wash., assignor of one-half to Earl B. Schwenk, Seattle, Wash.
Application February 20, 1939, Serial No. 257,363
8 Claims. (Cl. 43—52)



1. A slip-sinker comprising a body member having a through-channel extending upwardly therein to have the upper closed end of the channel operate as a reeve-way for a fish-line, and a line-engaging clamp of close, helically-wound spring wire carried by the body member in offset relation to an axial prolongation of the reeve-way, said clamp being adapted to hold the line against the force of a relatively weak pull and operating to release the line under the influence of a predetermined stronger pull applied thereto.

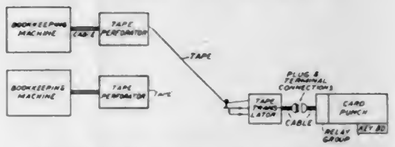
2,183,819
ROBBERYPROOF WINDOW
Chester J. Mullen, Redding, Calif.
Application August 17, 1938, Serial No. 225,432
3 Claims. (Cl. 109—19)

1. In a robberyproof window, an upstanding panel of bullet proof material, said panel including a normally closed but upwardly slidable wicket plate, a tray, means between the wicket plate and the tray arranged to raise the plate



upon movement of the tray up to and thence beneath the plate and manually releasable latch means normally holding the wicket plate against upward movement.

2,183,820
RECORDING SYSTEM
Martin L. Nelson, Park Ridge, Ill., and Leith Johnston, Providence, R. I., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 16, 1935, Serial No. 50,140
22 Claims. (Cl. 164—113)

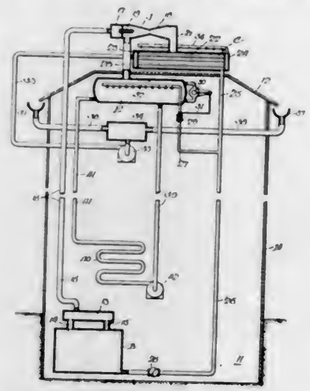


1. In a recording system for use in accounting, the combination of a typewriter, a tape perforator, a tape translator, and a card punch, electrical connections connecting the typewriter and tape perforator, electrical connections connecting the tape translator and card punch, circuits completed over said first electrical connections by the operation of said typewriter for electrically and automatically operating said tape perforator to punch a tape with coded data perforations corresponding to the data struck on the typewriter keys, means in said tape translator for sensing the coded data perforations in said tape, and circuits completed over the second of said electrical connections in accordance with said sensed coded data perforations in the tape for electrically and automatically operating said card punch to punch a record card with corresponding data perforations.

2,183,821
HOUSE COOLING SYSTEM
Rudolph S. Nelson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 9, 1935, Serial No. 39,665
11 Claims. (Cl. 62—129)

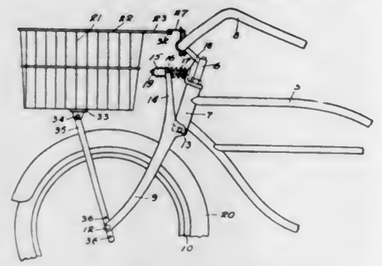
9. Apparatus for conditioning the air in an enclosure having a roof comprising means for collecting and storing liquid precipitation from the atmosphere, means for pumping heat from within the enclosure and discharging it to the outside atmosphere including a condenser overlying said roof, means for circulating said liquid into heat exchange relation with said condenser to absorb heat therefrom, and then in a thin film over said roof whereby said water is cooled

by evaporative cooling and the temperature gradient through said roof is decreased, and



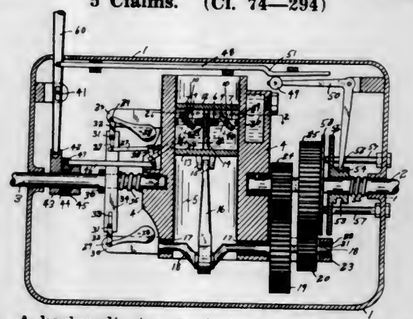
means for returning the residue cooled water to said storage means.

2,183,822
CARRIER AND MOUNTING THEREFOR
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Mfg. Co., Inc., Maysville, Ky., a corporation of Kentucky
Application March 11, 1938, Serial No. 195,358
2 Claims. (Cl. 224—36)



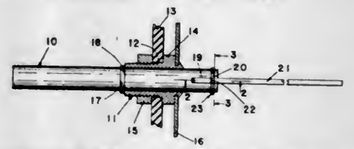
1. A carrier for application to a cycle having a front wheel fork and a handle bar, said carrier comprising a basket having a bottom, side walls and end walls, a substantially circumferential frame element on the basket defining the top opening of the basket, said frame element along one side wall of the basket being bent outwardly a substantial distance away from the basket and into close proximity with the handle bars at two locations, to provide a pair of U-shaped integral hinge elements spaced apart and each comprising a pair of substantially parallel arms and a connecting portion joining the arms remotely from the basket, a pair of clamps attachable rigidly to the handle bars at opposite sides of the middle point of the handle bars, each of said clamps comprising an integral short support arm offset and extending from the clamp for disposition at a horizontal elevation different from the elevation of the handle bar, whereby reversal of the clamp upon the handle bar changes the elevation of said support arm, a hinge eye on each support arm close to the handle bar for loosely receiving the remote connecting portions of the basket hinge elements, and brace means for connecting the basket bottom to a cycle fork.

2,183,823
HYDRAULIC TRANSMISSION
Harry J. Sherrill, Youngstown, Ohio
Application April 27, 1939, Serial No. 270,383
5 Claims. (Cl. 74—294)



1. A hydraulic transmission comprising a cylinder mounted at its sides on opposing ends of a drive shaft and a driven shaft and keyed to the said driven shaft; a crankshaft positioned across one end of the said cylinder; meshed gears positioned on the said crankshaft and drive shaft; a piston having an upper and a lower head positioned in said cylinder; a rod connecting the said piston to the said crank shaft; oil positioned in the said cylinder between the said heads of the said piston; a partition in said cylinder between the two heads of the piston; valves in openings in the said partition; automatic means for opening and closing the valves actuated by the spin of the said cylinder upon the said shafts.

2,183,824
SHAFT EXTENSION AND COUPLING THEREFOR
Raymond E. Smith, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application May 27, 1938, Serial No. 210,317
3 Claims. (Cl. 287—103)

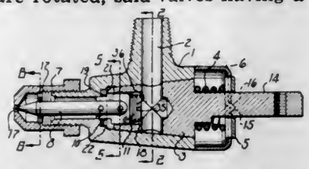


1. A control shaft coupling for adjustable electrical devices comprising a pair of shaft sections having interlocking portions for connecting them together end to end, said portions comprising non-circular interfitting parts fitting together to form a substantially circular joint, said interfitting parts being correspondingly grooved to provide a circumferential groove in said joint, a resilient split ring in said groove locking said sections together, the inner periphery of said ring lying completely within the groove.

2,183,825
VALVE STRUCTURE
Elmer G. Steffen, Cleveland, Ohio
Application March 3, 1939, Serial No. 259,554
7 Claims. (Cl. 277—25)

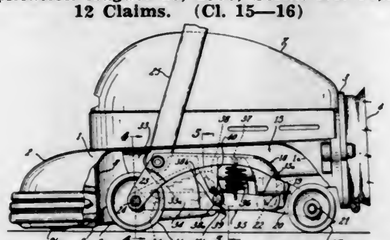
1. A valve structure comprising a housing having a passage therethrough with inlet and outlet openings, a rotatable valve for said inlet opening, a tapered reciprocable valve for said outlet opening, said valves being co-axial and said out-

let valve being reciprocably and non-rotatably coupled to said inlet valve, cam means in said housing co-operating with said outlet valve to produce reciprocating movement thereof as the valves are rotated, said valves having a plurality



of rotary positions, said cam means providing an axial position of said outlet valve for predetermined flow in each of said positions, said inlet valve having a closed position and a plurality of substantially fully open positions, one for each of the operative positions of the outlet valve.

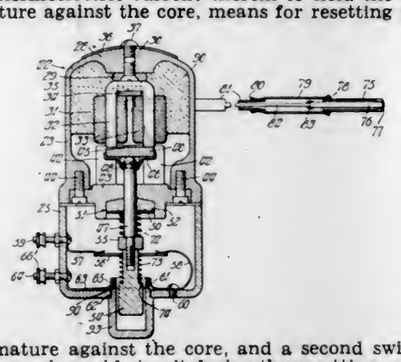
2,183,826
SUCTION CLEANER
Charles H. Taylor, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 15, 1936, Serial No. 96,222
12 Claims. (Cl. 15—16)



1. In a suction cleaner having a casing including a nozzle and a wheeled support having pivotal connection with said casing, means for adjusting the height of said nozzle above the surface to be cleaned comprising an adjustable link connecting said support with said casing independently of said pivotal connection and having a toothed sector, an operator actuated lever pivotally mounted on said wheel support adjacent said link, a spring-pressed pawl carried by said lever and normally having engagement with said sector to hold said link in adjusted position, and means acting to disengage said pawl and sector in the movement of said lever in one direction, thereby permitting said nozzle to be lowered into contact with said surface and to reengage said pawl and sector to effect the raising of said nozzle a predetermined distance above said surface during the movement of said lever in the opposite direction.

2,183,827
THERMOELECTRIC SAFETY SWITCH AND THE LIKE
John H. Thornbery, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 22, 1935, Serial No. 37,276
16 Claims. (Cl. 158—117.1)

1. In combination, a burner, a fuel supply conduit therefor, a valve in said conduit, an electric control circuit for said valve, a switch in said circuit, a thermoelectric device controlling said switch and comprising an electromagnet having coil means and a core, an armature, a thermocouple connected to said coil means for producing a thermoelectric current therein to hold the armature against the core, means for resetting the



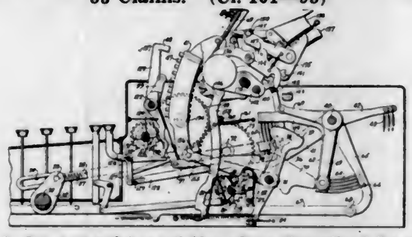
armature against the core, and a second switch for opening said circuit during the resetting operation.

2,183,828
PLAITED PRODUCT AND METHOD OF FORMING THE SAME
Philip Trubitz, Chicago, Ill., assignor to Sam Pass, Chicago, Ill.
Application October 25, 1937, Serial No. 170,744
Renewed May 15, 1939
5 Claims. (Cl. 155—182)



4. A furniture slip cover of stretchy fabric having original dimensions at its lower end less than the dimensions of the corresponding portion of the article to be covered thereby whereby said lower end of said cover must be stretched over the article, and an unstretched plaited strip attached permanently to a lower portion of the cover and of such length as to enable said lower cover portion to stretch horizontally an extent required in fitting the same to an article while said plaited strip remains in unstretched condition.

2,183,829
ACCOUNTING MACHINE
Charles H. Arnold, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application September 13, 1937, Serial No. 163,627
33 Claims. (Cl. 101—93)

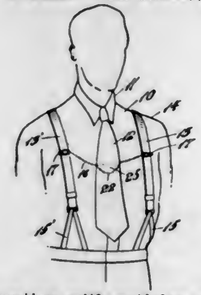


1. In a machine of the class described having a plurality of groups of recording means arranged to record in separate columns identical symbols, said symbols being determined by a single selecting means, the combination of a main operating mechanism; a record material holding means stationary to lateral movement; manually or automatically operated means to select one or more of the columns to be recorded in during the next machine operation; means for recording in the selected one of the columns in one machine operation; normally ineffective means operated by the main operating mechanism for rocking the record material holding means away from recording position to facilitate removal and insertion of record material; and means associated with the column selecting means for rendering the rocking means effective.

2,183,830
DECOLORIZATION OF STILL RESIDUE
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, a corporation of Pennsylvania
No Drawing. Application August 20, 1938, Serial No. 225,986
3 Claims. (Cl. 260—81)

1. The method herein described of reducing the color intensity of coumarone-indene resin recovered from still residue resultant from fractionation and purification of light oil derived in the by-product coking of coal, which comprises treating the resin in solution and in the presence of water simultaneously with a weak acid and a finely divided metal of the class including and between aluminum and tin in the electromotive series while heating the resin solution.

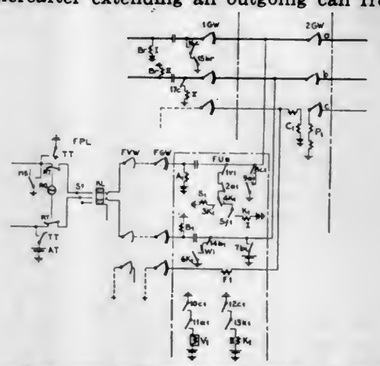
2,183,831
COMBINED BRACE SUPPORTER AND CRAVAT HOLDER
William Dusablond, Attleboro, Mass.
Application December 7, 1938, Serial No. 244,373
3 Claims. (Cl. 241—12)



1. In combination with articles of wearing apparel consisting of braces and a cravat, of a flexible member extending between said braces, means to attach the member to the braces, said member being provided with a supplemental flexible member having its ends attached to the main flexible member to provide a receiving space for the cravat.

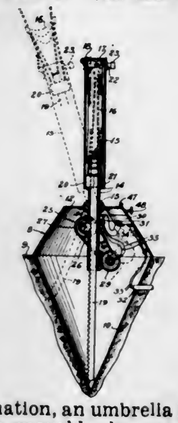
2,183,832
TELEPHONE SYSTEM
Franz Etzel, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application February 24, 1938, Serial No. 192,198
In Germany March 20, 1937
9 Claims. (Cl. 179—27)

1. In a telephone system, subscribers' lines, a combination toll and local connector having access to said lines, means in said connector for seizing any one of said lines and making the same busy to incoming calls preparatory to the completion of a toll call thereto, and means for thereafter extending an outgoing call from said



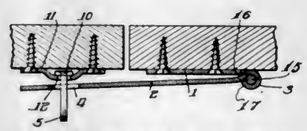
one line over said connector before said toll call is completed.

2,183,833
BEACH UMBRELLA
John A. Farhar, Bell, Calif.
Application May 24, 1937, Serial No. 144,458
8 Claims. (Cl. 135—20)



5. In combination, an umbrella having a frame, driving means movable in opposite directions connected to open and collapse the frame by its said respective movements, a support for the frame, an element mounting the support for tilting movement, and means tending to automatically straighten up the umbrella vertically as the driving means moves the frame to a collapsed position.

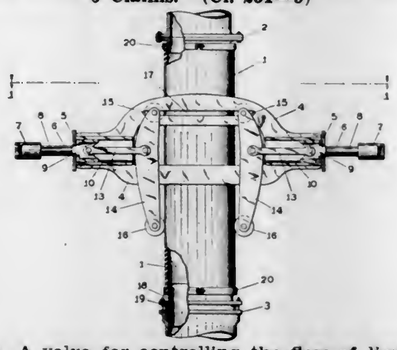
2,183,834
COMBINED HASP AND LATCH
William D. Ferris, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application June 13, 1938, Serial No. 213,308
3 Claims. (Cl. 292—283)



1. A combined hasp and latch device, compris-

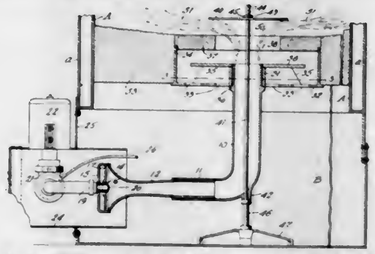
ing a bracket plate, a swinging hasp plate, a hinge between the ends of said plates, and means forming a stop at said hinge, to limit the swinging motion of the hasp plate, so that in latching position the hasp plate is slightly flexed and under tension, said stop permitting flexing throughout the entire length of the hasp plate, said hinge comprising a pair of spaced knuckles integral with said first mentioned bracket plate, with said stop formed by an edge extending between the knuckles, and said hasp plate having a single knuckle disposed between said spaced knuckles, with said edge engaging the inner side of said single knuckle.

2,183,835
VALVE
Willing B. Foulke, Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 25, 1938, Serial No. 192,597
6 Claims. (Cl. 251—5)



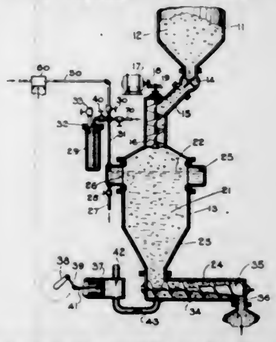
1. A valve for controlling the flow of liquids, solids and mixtures of liquids and solids, said valve comprising a section of flexible tube and a mechanism for successively constricting said tube at a plurality of transverse sections, said mechanism comprising a first means for constricting said tube at a first tranverse section, a second means for constricting said tube at a second transverse section, a connecting means which operably joins said first means to said second means, and a pressure means for applying pressure to said connecting means.

2,183,836
FLUID FUEL BURNER
William S. Gordon, Jr., North Tonawanda, N. Y., assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y.
Application December 18, 1936, Serial No. 116,590
15 Claims. (Cl. 158—99)



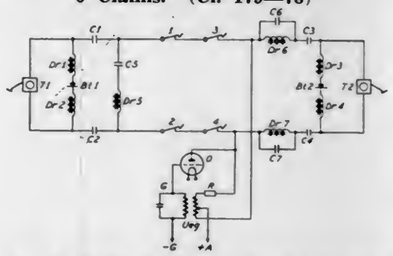
1. A gas burner including an open-ended duct for a mixture of primary air and gas, means for supplying secondary air to the discharge end of said duct for mixture with the primary mixture discharged therefrom, said means including a substantially imperforate plate arranged adjacent to the discharge end of said duct and extending outwardly about the same, and means arranged in spaced relation to said plate and beyond the discharge end of said duct for confining air flowing to the flame adjacent to the upper face of said plate.

2,183,837
PROCESS AND APPARATUS FOR EXTRACTION
Alan G. Hamilton and Ezra Clinton Perkins, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 28, 1936, Serial No. 76,790
5 Claims. (Cl. 87—6)



1. A continuous process for extracting extractable material from solids wherein a solvent for said extractable material flows counter-current to the direction of travel of said solids through said solvent, which comprises continuously passing said solid through a counter-current stream of said solvent under conditions wherein extraction is carried out under pulsating pressures.

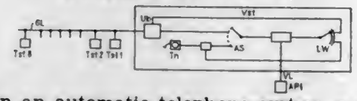
2,183,838
TELEPHONE SYSTEM
Richard Hornickel, Finkenkrug, near Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application April 14, 1938, Serial No. 201,927
In Germany April 17, 1937
6 Claims. (Cl. 179—78)



1. An arrangement for cleaning the contacts in an electric circuit, comprising an alternating current generating circuit connected to the contacts in the first circuit and normally ineffective, together with means in the generating circuit responsive to a variation in resistance of said first

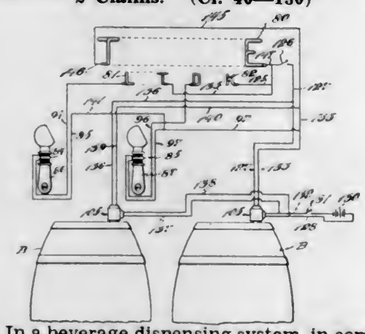
circuit due to poor contacts to supply alternating current to said first circuit momentarily to clean the contacts.

2,183,839
AUTOMATIC TELEPHONE SYSTEM
Eugen Jauch, Berlin-Siemensstadt, and Eduard Wochinger, Berlin, Germany, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application October 21, 1937, Serial No. 170,188
In Germany October 27, 1936
14 Claims. (Cl. 179—17)



1. In an automatic telephone system, a party line, a plurality of branch stations associated therewith, a selector switch at each of said party line stations having a plurality of contact positions including a first and a second position for each station, means for simultaneously operating said switches to one of said first positions to connect one of said stations to the line, and other means for causing the simultaneous operation of said switches to one of said second positions to permit the connection of one of said stations to the line.

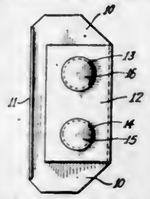
2,183,840
BEVERAGE DISPENSING SYSTEM WITH ELECTRICAL ADVERTISING DEVICE
William Sylvester Kearns, Providence, R. I.
Application April 11, 1938, Serial No. 201,414
2 Claims. (Cl. 40—130)



1. In a beverage dispensing system, in combination, a bar, a tap associated with said bar for dispensing a beverage, an electric sign adapted to be illuminated for display of the name of the beverage which is drawn from said tap when the same is turned on for dispensing the beverage, an electric switch movable into a position to cause illumination of the sign upon movement of said tap into a liquid dispensing position, an electric circuit connecting said switch and said sign, and electrical connector means in association with said circuit through which means electric current passes from a central source of supply to said electric circuit, said connector means being mounted directly on the supply barrel for serving said tap.

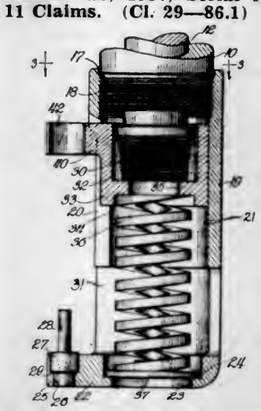
2,183,841
MULTIPLE GETTER
George L. King, Syracuse, N. Y., assignor to King Laboratories Inc., Syracuse, N. Y., a corporation of New York
Application May 17, 1939, Serial No. 274,189
1 Claim. (Cl. 250—27.5)

A getter comprising a supporting plate, a plurality of pellets of getter material embedded within said plates at points spaced from each other,



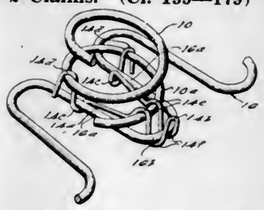
said pellets being of different compositions whereby they may be flashed at different operating temperatures.

2,183,842
HINGE PIN PUSHER
Sigmund Mandl, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 26, 1937, Serial No. 133,129
11 Claims. (Cl. 29—86.1)



1. A hinge pin pusher assembly comprising a first member having a lateral extension at one end, a pin removably supported in said extension and extending normally thereto, a second member mounted for telescoping movement in said first member and having a lateral extension in alinement with said first extension and having a normally extending aperture, and means for producing relative movement between said members to move said pin toward said aperture.

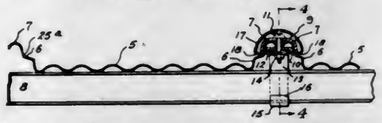
2,183,843
CLIP
Andrew Mouw, Ann Arbor, Mich., assignor to No-Sag Spring Company, Detroit, Mich., a corporation of Michigan
Application November 8, 1937, Serial No. 173,343
2 Claims. (Cl. 155—179)



1. A clip construction for clamping wire spring elements together comprising a wire element bent

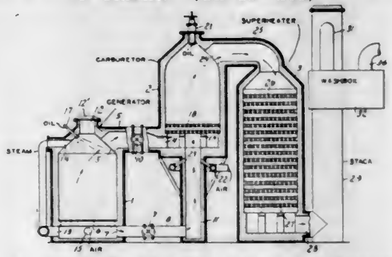
upon itself intermediate its ends, said element being formed to provide a first hook seat presenting in one direction adjacent said bend, hook seats presenting in a direction opposite to that of said first hook seat located adjacent said first hook seat, the legs of said element having straight portions diverging with the ends of said legs each terminating in a pair of oppositely disposed, adjacent hook seats with the end seats facing in the opposite direction to that of said first hook seat, said hook seats lying in planes normal to the plane of said straight portions.

2,183,844
METAL ROOF STRUCTURE
Dan R. Murphy, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application June 6, 1938, Serial No. 212,065
14 Claims. (Cl. 108—21)



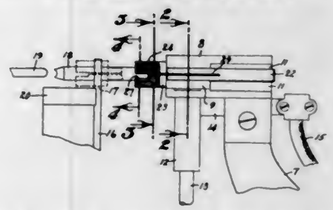
1. In a roofing structure, the combination of roofing elements of sheet form having upstanding side portions and bent over edge portions, said edge portions juxtaposed, a saddle member closely embracing a major portion of said juxtaposed edge portions, a seat member beneath said saddle member and said juxtaposed edge portions, and means for clamping said saddle member and said seat member together.

2,183,845
PROCESS OF MAKING HIGH BRITISH THERMAL UNITS CARBURETED WATER GAS
Leon E. Osmer, Western Springs, Ill., and William Tiddy, New York, N. Y., assignors to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York
Application October 22, 1936, Serial No. 106,996
8 Claims. (Cl. 48—205)



6. A process of making high B. t. u. carbureted water gas suitable for use as a substitute for natural gas in a set comprising a generator containing a bed of fuel therein, a carburetor connected with the generator, and a superheater containing checkerbrick and connected with the carburetor, which comprises the following steps: (*a*) blasting the fuel bed with air and burning the resultant blast gases in the carburetor and superheater to heat these chambers; (*b*) discontinuing the aforesaid blasting cycle, passing steam up through the fuel bed and passing the resultant water gas into the base portion of the carburetor up therethrough, while simultaneously introducing hydrocarbon oil into the water gas to carburet the water gas, passing the mixture of oil gas and water gas through the superheater to fix the carbureted water gas and to produce a gas of a B. t. u. content approximately equal to that of natural gas; (*c*) discontinuing the aforesaid carbureted water gas making step and passing steam down through the fuel bed, introducing the resultant water gas into the carburetor, adding secondary air to the water gas to support combustion thereof, and burning the water gas as it passes through the carburetor and superheater to heat these chambers to a temperature suitable for effectively cracking gas oil; (*d*) discontinuing step (*c*) and passing steam down through the fuel bed, introducing the resultant water gas into the base of the carburetor, introducing gas oil into the water gas stream flowing through the carburetor and passing the resultant mixture of oil gas and water gas through the superheater to fix the gas and to produce a carbureted water gas having a B. t. u. content approximately equal to that of natural gas, and mingling the gas thus produced with that produced in step (*b*).

2,183,846
ELECTRODE HOLDER
Wilbur A. Robb, Huntington Park, Calif.
Application October 30, 1937, Serial No. 171,873
7 Claims. (Cl. 176—119)

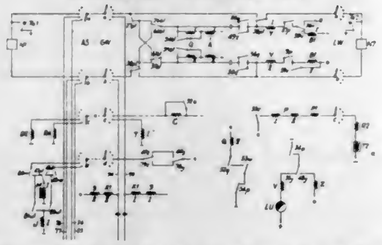


1. In a motion picture projection machine having a guide for an electrode and having a movable support for feeding the electrode while being directed by the guide, a holder on the support, and a member on the holder for receiving the electrode, the member being arranged to move along the guide during advancing movement of the support, and a side of the member being cut away sufficiently for the portion of the carbon within said member to ride directly on the guide during said advancing movement of the support.

2,183,847
PROCESS OF REACTING ALKALI METALS WITH AROMATIC HYDROCARBONS
Norman D. Scott, Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application November 13, 1935, Serial No. 49,556. Divided and this application February 9, 1938, Serial No. 189,670
6 Claims. (Cl. 260—665)

1. A method of effecting the addition of an alkali metal to a polycyclic aromatic hydrocarbon which will form addition compounds therewith, said hydrocarbon being selected from the group consisting of anthracene, dinaphthyl, acenaphthene, retene and their homologues which comprises reacting the alkali metal and the hydrocarbon in a reaction medium which contains in sufficient amount to promote the reaction a polyether selected from the group consisting of glycol formal, methyl glycerol formal, and dimethylene pentaerythrite.

2,183,848
TELEPHONE SYSTEM
Franz Simon, Berlin-Friedenau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application September 30, 1936, Serial No. 103,435
In Germany October 1, 1935
15 Claims. (Cl. 179—27)



1. In a telephone system, automatic switches, subscribers' stations and lines therefor, means controlled by a subscriber at any one of said stations for extending a connection to any other one of said stations, an operator's position, an incoming trunk line terminating at said position, means controlled by the operator at said position for controlling said switches to extend a call received over said trunk line to any one of said stations, means controlled from said operator's position for controlling said switches to cut-in on a line of a station engaged in conversation and for enabling said switches to signal the station so engaged after the conversation has been terminated, means at the called station for temporarily holding the trunk line call and for extending a connection to any one of said subscribers' stations, and means controlled at said other station for disconnecting said called station from said trunk line and for connecting said other station thereto.

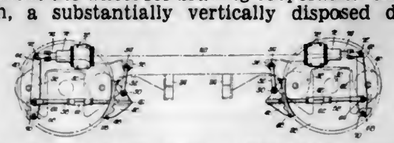
2,183,849
BAIT
Julius Swanberg, Chicago, Ill.
Application May 2, 1938, Serial No. 205,475
9 Claims. (Cl. 43—42)



1. A fish bait comprising a one-piece metal body section having a watertight air chamber therein and formed with an integral tail piece and an integral head plate on the ends thereof and with a watertight air chambered keel longitudinally on the bottom of the body section.

2,183,850
BRAKE ARRANGEMENT
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Original application March 11, 1935, Serial No. 10,349. Divided and this application August 6, 1938, Serial No. 223,398
20 Claims. (Cl. 188—52)

1. In a brake arrangement, the combination of a wheel and axle assembly, a truck frame member supported by said wheel and axle assembly, a frame member yieldably supported with respect to said truck frame, a brake head pivotally and movably supported on one side of the axle and adjacent the wheel for braking cooperation therewith, a substantially vertically disposed dead



lever on the other side of said axle pivotally connected adjacent its lower end to said frame member, a connection for operatively connecting said lever to said brake head, and brake operating means connected to said lever.

2,183,851
PROCESS OF PREPARING COMPOUNDS OF THE CYCLOPENTANOPERHYDROPHENANTHRENE SERIES
Max Bockmühl, Gustav Ehrhart, Heinrich Ruschig, and Walter Aumüller, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 26, 1938, Serial No. 242,606. In Germany December 2, 1937
9 Claims. (Cl. 260—397)

1. In the process of preparing compounds of the cyclopentanoperhydrophenanthrene series the step which comprises causing an aluminium-alcoholate in the presence of a ketone to act upon a compound of the cyclopentanopolyhydrophenanthrene series being substituted in 3-position by the hydroxyl group and in 17-position by a basic group.

2,183,852
SOLVENT EXTRACTION
James H. Boyd, Jr., Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1938, Serial No. 218,949
11 Claims. (Cl. 196—13)

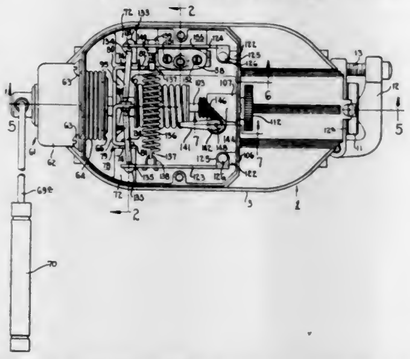
1. In a process for separating normally liquid hydrocarbon mixtures into fractions of different compositions the step which comprises bringing the mixtures into contact with a solvent containing a substituted aliphatic amide of an acid of from 1 to 4 carbon atoms and a compound represented by the formula ROH in which R represents a substance from the group; hydrogen, alkyl and methylol groups, separating the resultant layer containing the major portion of the solvent and the major portion of the hydrocarbons, and separating the hydrocarbons from the solvent.

2,183,853
POLYOXYALKYLENE ETHER ACID COMPOUNDS CONTAINING A HIGHER ALIPHATIC GROUP
Hans Haussmann, Mannheim, and Walter Scheufler and Josef Kaupp, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 18, 1935, Serial No. 55,062. In Germany December 22, 1934
8 Claims. (Cl. 260—404)

4. As assistants in the textile and related industries a compound corresponding to the formula

R—X—Y, in which R is a high molecular organic radicle selected from the class consisting of aliphatic, cycloaliphatic and mixed aromatic-aliphatic radicles with more than 8 carbon atoms, X is a polyoxyalkylene group being derived from low molecular polyhydric alcohols and Y means a low molecular aliphatic radicle containing at least one unaltered carboxyl group.

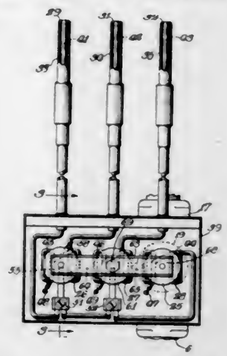
2,183,854
CONTROL DEVICE
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application September 11, 1936, Serial No. 100,293
10 Claims. (Cl. 236—48)



1. In a control device having a movable controlling means, an actuating mechanism for said controlling means comprising a power element operable positively to move said controlling means in one direction, a lever member movable by and with said power element and operable to transmit directly the force of said power element to said controlling means, yieldable means acting on said lever member and operable to move said controlling means in the opposite direction, a lever member separate from said first-named lever member and fulcrumed to pivot in a plane substantially transverse to the plane of movement of said first-named lever member, a thrust member connecting said lever members, and yieldable means acting on said separate lever member and exerting a force through said thrust member against said first-named lever member to oppose movement of said controlling means by said power element.

2,183,855
SAFETY SHUT-OFF FOR MULTIPLE BURNERS
Fred Mansky, Lynwood, Calif., assignor to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California
Application November 2, 1938, Serial No. 238,320
4 Claims. (Cl. 158—117.1)

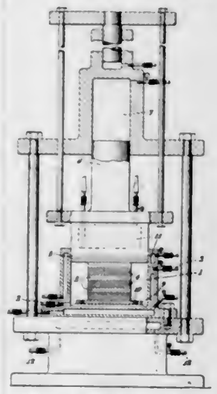
1. The combination of a plurality of burners, a pilot in proximity to each burner, means for supplying fuel to said burners and pilots, a shut-off valve in the fuel supply means for shutting off the fuel supply to all of said burners and pilots, thermo-magnetic means including a thermo-couple in proximity to each pilot, an electromagnet for each thermo-couple and an independent magnet energizing circuit for each thermo-couple, means whereby said shut-off valve is controlled from one of said electro-magnets, and switches in the energizing circuit for said last mentioned magnet, each switch being controlled by a corresponding one of said other magnets.



2,183,856
CONDENSATION PRODUCTS OF HYDROLIZED PROTEIN MATERIAL AND THEIR MANUFACTURE
Georg Meyer, Cologne-Mulheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 15, 1937, Serial No. 148,312. In Germany March 24, 1933
3 Claims. (Cl. 260—529)

1. The products essentially comprising a mixture of aminocarboxylic acids obtainable by totally hydrolyzing protein materials, said aminocarboxylic acids being acylated with high molecular aliphatic sulfo acid radicals selected from the group consisting of sulfonic acid radicals and sulfaminic acid radicals.

2,183,857
METHOD FOR PRODUCING MOLDED ARTICLES UNDER HEAT AND PRESSURE
Victor H. Turkington, Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
Substitute for applications Serial Nos. 725,576 725,577, and 725,578, May 14, 1934. This application October 22, 1938, Serial No. 236,510
17 Claims. (Cl. 18—55)

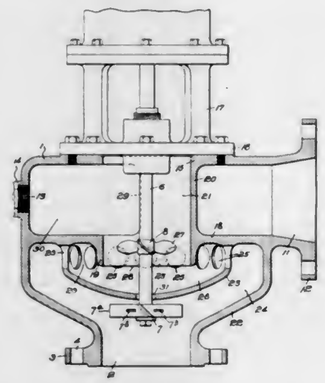


1. Method of molding plastic materials under heat and pressure which comprises forming a material which can be rendered plastic by heat and then hardened, incorporating with said material an added ingredient which expands at the temperature at which the material becomes plastic to thereby produce pores in the plastic material, molding the mixture under such heat and pressure as to expand the added ingredient while the mixture is plastic to produce pores and surrounding the plastic mixture while being molded with a medium capable of minimizing the dissipation of the ingredient from the material, and hardening the material.

2,183,858
SIZED PAPER
Joseph A. Warren, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application January 27, 1937, Serial No. 122,664
4 Claims. (Cl. 92—40)

1. An alkaline filled, uncoated paper, surface sized with a soya bean protein size, said size consisting essentially of soya bean protein.

2,183,859
AGITATING AND MIXING MECHANISM
Warren O. Chace, Medford, Mass.
Application April 29, 1939, Serial No. 270,778
4 Claims. (Cl. 259—7)

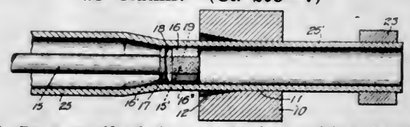


1. An agitator and mixer for liquids and dry materials comprising a generally cylindrical casing contracted at one end to provide an inlet port; a radially-extended partition in the casing dividing the same into two major portions; a central opening in said partition with a collar about its edge; the partition having a bowl-shaped wall spaced from said collar and provided with radially-positioned, particle-contacting-identity-changing ports, and forming a material-stream-consolidating, bowl-shaped chamber; the convex side of said bowl-shaped wall also forming, with the housing wall, a saucer-shaped chamber, said chamber being connected with the bowl-shaped chamber by said ports; the partition having on its face opposite the collar an axial wall, forming, with said collar, an axial passage, said wall forming, between the passage and casing, a curvilinear two-direction passage for the materials, and a discharge port therefrom in the casing.

2,183,860
PROCESS FOR THE PRODUCTION OF ALKENE SULPHIDES
Willem Coltof, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 6, 1939, Serial No. 254,783. In the Netherlands February 16, 1938
4 Claims. (Cl. 260—327)

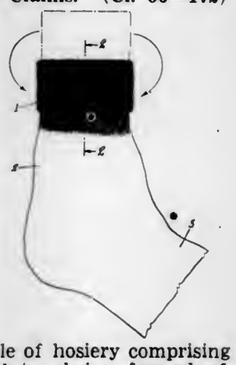
1. A process for the dehydrochlorination of 1-chloro-ethane-thiol-2 to ethylene sulphide while avoiding the substantial formation of ethylene sulphide polymers which comprises reacting the 1-chloro-ethane-thiol-2 with an alkali metal bicarbonate in an aqueous medium, the alkali metal bicarbonate being used in sufficient amount to combine with the liberated hydrogen chloride and maintain the pH of the reaction mixture in the range of from 7.5 to 9.5

2,183,861
METHOD OF AND MEANS FOR MACHINING INTERIOR SURFACES OF TUBES
William W. Cotter, Sr., Stratford, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application March 23, 1939, Serial No. 263,631
23 Claims. (Cl. 205—7)



1. In a method for producing tubing having an interior surface substantially free from imperfections, the steps comprising providing tubing of substantially larger diameter than that required, permanently reducing the diameter of said tubing while maintaining its original cross-sectional configuration and simultaneously cutting away undesirable portions of the entire internal tubing wall.

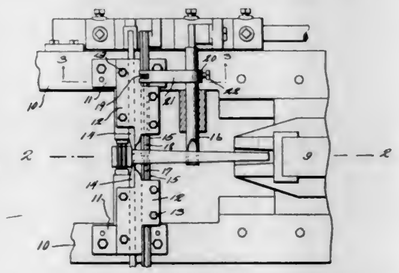
2,183,862
KNITTED WEAR
Robert E. Davis, Jr., Fort Payne, Ala., assignor to W. B. Davis & Son, Inc., Fort Payne, Ala., a corporation of Alabama
Application January 21, 1939, Serial No. 252,076
5 Claims. (Cl. 66—172)



1. An article of hosiery comprising a foot, leg and top, said top being formed of terry knit fabric, the terry loops of which project on the inner face thereof, said top having an elastic thread incorporated therein throughout a plu-

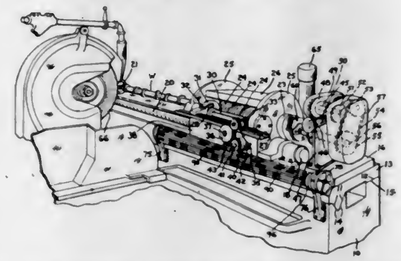
rality of courses on the inner face of the fabric, and said tufts being sufficiently long and dense to substantially conceal said elastic thread, so that when said cuff is turned outwardly a form-fitting two-ply cuff is provided having a plush-like surface exposed and the elastic thread substantially concealed.

2,183,863
BOBBIN STRIPPING MECHANISM
David H. Donahoo, Kannapolis, N. C., assignor to The Terrell Machine Company, Charlotte, N. C., a corporation
Application February 18, 1937, Serial No. 126,512
9 Claims. (Cl. 28—19)



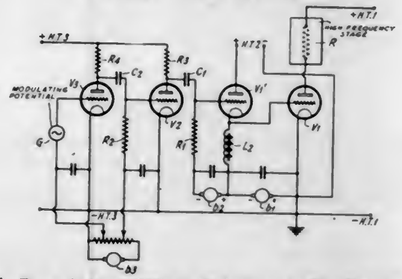
1. In a bobbin stripper, in combination, a pair of opposed stripping blades reciprocating toward and from each other and a bobbin feeding plunger entering between and forcing the bobbins downward to the stripping blades, reciprocable in timed relation with said blades, and means for closing the gap between the blades, said means operating in a plane approximately coincident with the upper portions of the opposed blades.

2,183,864
INDEX MECHANISM
Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 29, 1939, Serial No. 264,795
4 Claims. (Cl. 51—101)



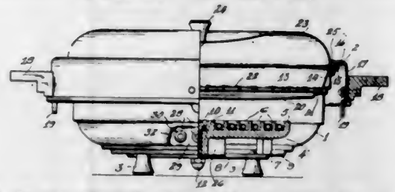
1. In a camshaft grinding machine, the combination with a grinding table, a rock bar mounted thereon, a master camshaft mounted on the rock bar, a master cam roller for contact severally with the master cams, and mechanism including a star wheel to move the master cam roller to different cams responsive to movement of the grinding table, of a plurality of dog bar sections parallel to each other and united and journalled in the machine whereby any dog bar section may be brought opposite the star wheel to actuate it.

2,183,865
MODULATED CARRIER WAVE TRANSMITTER
Ernest Green and Newsome Henry Clough, London, England, assignors to Radio Corporation of America, a corporation of Delaware
Application February 10, 1937, Serial No. 124,994
In Great Britain February 27, 1936
7 Claims. (Cl. 179—171.5)



1. In a transmitting system a radio frequency stage to be modulated, a source of modulating potentials, a modulator tube having input and output electrodes, means connecting the output electrodes of said modulator tube to said radio frequency stage to modulate the same, a source of direct current potential, a coupling tube having an anode, a cathode, and a control grid, an impedance connecting the cathode of said coupling tube to one terminal of said source of direct current potential, a coupling between said impedance and the input electrodes of said modulator tube, a connection between the other terminal of said source of direct current potential and the anode of said coupling tube, said impedance being of a value high enough to materially impede the flow of modulating potentials and means for applying modulating potentials to the control grid and cathode of said coupling tube.

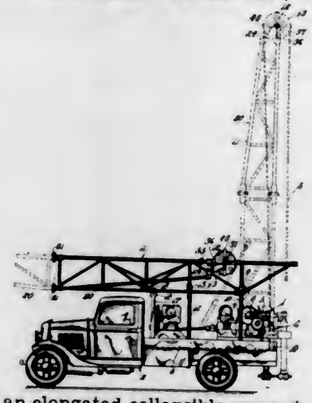
2,183,866
ELECTRIC STOVE
Harold G. Hutchens and James H. Crosier, Brighton, N. Y., assignors to The Chef Master Corporation, Rochester, N. Y., a corporation of New York
Application August 5, 1938, Serial No. 223,295
4 Claims. (Cl. 219—43)



1. In an electric stove, the combination with a circular body casing and a heating element contained in the bottom thereof, of a cooking pan having a marginal shoulder extending outwardly and thence upwardly adapting it to rest upon the rim of the body by means of its outwardly extending portion and provided with a reentrant bottom that is thereby brought into close proximity to the heating element, and a cover of the same diameter as the body also adapted to seat against the outwardly extending portion of the cooking pan shoulder but on the opposite side thereof, said pan being thereby provided with an annular raised rib adjacent to the shoulder with-

in which the cover is centered and easily applied to be confined below the upwardly turned portion of such shoulder.

2,183,867
ADJUSTABLE SUPPORT
Harry C. Johansen, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 12, 1937, Serial No. 158,726
14 Claims. (Cl. 254—139)

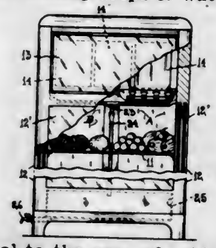


1. In an elongated collapsible support, an elongated supporting frame mounted for and confined to adjustment from a lowered inoperative position to a raised operative position and vice versa and comprising an inner frame part mounted for and confined to adjustment from a lowered inoperative position to a raised operative position and vice versa, and cooperating relatively adjustable outer frame parts and adapted to be secured together at the central longitudinal vertical plane of the support in alinement with said inner frame part to form an extension of the latter when the support is extended, and said outer frame parts when released from one another being adjustable from their extended positions laterally in opposite directions relative to said inner frame part into positions wherein they extend along the opposite sides of said inner frame part when the support is collapsed.

3. In a collapsible derrick mast, a mast frame mounted for swinging movement in a vertical direction about a horizontal axis and comprising a rigid inner frame portion and an outer frame portion mounted on said inner frame portion and divided at the central longitudinal vertical plane of the mast, the divided parts of said outer frame portion being pivotally mounted on said inner frame portion on axes at right angles to said mast frame pivot axis and swingable into positions in alinement with said inner frame portion and adapted to be secured together when the mast is extended, and said outer frame parts being swingable when released from one another into positions wherein they extend in substantantial parallelism with the sides of said inner frame portion when the mast is collapsed.

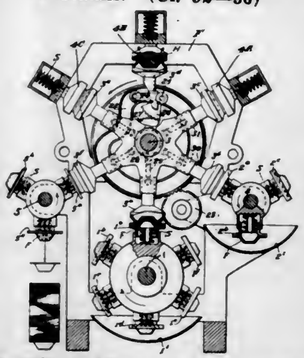
2,183,868
WATER DISTRIBUTOR FOR ICE BOXES
Francis A. Kavan, Fremont, Nebr., assignor to The Kerrihard Company, Red Oak, Iowa, a corporation of Iowa
Application June 22, 1939, Serial No. 280,500
4 Claims. (Cl. 62—53)

1. In a water distributor for an ice box, a frame adapted to be disposed in said box, a plurality of spaced apart slats carried by said frame, said slats being adapted to support a block of frozen water thereon and to permit water to drip from said block through said spaces during a melting of said block for distributing drops of water over an area



complemental to the area of said spaces, a plurality of spaced apart troughs disposed under said slats, means for simultaneously shifting said troughs with respect to said slats for causing a preselected quantity of said drip water to be trapped in said troughs, and means for conducting trapped drip water away from said troughs.

2,183,869
MACHINE FOR PRODUCING MOLDED FIBROUS PULP ARTICLES
Walter H. Randall and Fred C. Harper, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association of the United States, trustee
Application May 7, 1937, Serial No. 141,292
8 Claims. (Cl. 92—56)



1. In a pulp molding machine for producing individually die molded and die dried fibrous pulp articles, a foraminous forming die, a drying die, and a radially reciprocable foraminous holding die, means for depositing a pulp layer on said forming die, means for heating said drying die, means for revolving the forming die and the holding die step by step through orbitally adjacent paths into paused coactive alinement with each other and thereafter for bringing the holding die into paused coactive alinement with the drying die, means for radially projecting the holding die in a sliding rectilinear path first towards and away from the forming die to transfer the pulp layer from the forming die to the holding die and thereafter for radially projecting the holding die in a sliding rectilinear path towards the drying die to dry the pulp layer under heat and pressure between the holding die and the drying die, and means for ejecting the dried article from the machine.

2,183,870
DYESTUFFS OF THE NAPHTHALENE SERIES

Rudolf Robl, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 1, 1938, Serial No. 193,288. In Germany March 4, 1937

4 Claims. (Cl. 260—396)

1. A process of producing a dyestuff particularly suitable for dyeing acetate artificial silk which consists in reacting the naphthazarine intermediate product in the presence of a reducing agent with para-amino-phenol-benzyl-ethers and oxidizing the leuco compound formed.

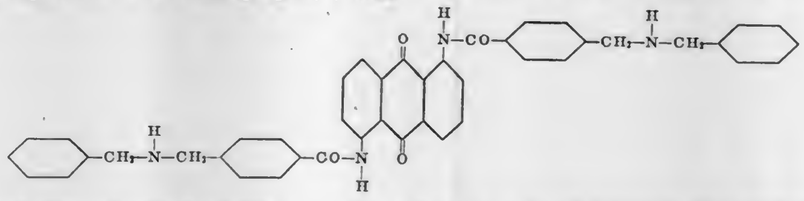
2,183,871
DYESTUFFS OF THE NAPHTHALENE SERIES

Rudolf Robl, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 1, 1938, Serial No. 193,289. In Germany March 4, 1937

2 Claims. (Cl. 260—396)

1. A new coloring matter for dyeing cellulose esters and ethers prepared by condensation of the naphthazarine intermediate product with primary amines selected from the class consisting of alkylamines, aralkylamines and cycloalkylamines in the presence of a reducing agent,



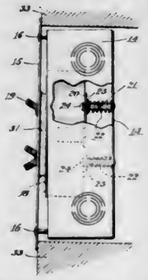
and oxidizing the leuco compounds formed.

2,183,872
WALL MOUNTING FOR ELECTRICAL DEVICES

Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application December 19, 1936, Serial No. 116,678

6 Claims. (Cl. 174—57)



2. In a switch box, a number of guide posts, a switch unit having a plate detachably interlocked with said posts, a face plate fitting against said switch unit and means for drawing said face plate and said switch unit inwardly guided by said posts, each post having a head, said plate having a keyhole shaped perforation for each post, a part of the perforation being of approximately the diameter of the post and smaller than the head of the post and a part being of a larger diameter than the head of the post with a contracted neck part between the larger and the smaller parts.

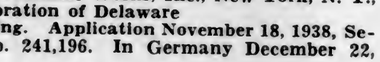
2,183,873
VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES

Otto Schlichting and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 18, 1938, Serial No. 241,196. In Germany December 22, 1937

8 Claims. (Cl. 260—377)

1. A vat dyestuff corresponding to the general formula



wherein A stands for a radical of the anthraquinone series, R for a benzene radical, X for a member of the group consisting of hydrogen and alkyl, Y for a group selected from the class consisting of hydrogen, amino, alkyl, aralkyl, cycloalkyl, aryl and heterocyclic radical and n for an integer less than 3.

8. The vat dyestuff corresponding to the formula

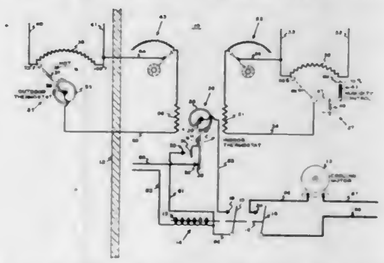
which dissolves in strong sulphuric acid giving a yellow-red coloration and dyes vegetable fibres golden-yellow shades from a deep violet vat.

2,183,874
AIR CONDITIONING SYSTEM

Paul F. Shivers, Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 28, 1934, Serial No. 732,813

15 Claims. (Cl. 236—44)



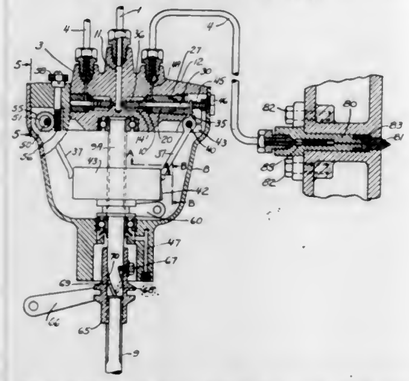
4. In a summer cooling system, in combination, means in control of the cooling of a space, a space temperature responsive thermal element for controlling said means, electrical means to vary the control action of the thermal element on said cooling control means, variable resistance means controlled by the outdoor temperature and the space relative humidity associated with said last-named means; for varying its action on the thermal element.

2,183,875
LIQUID FEED APPARATUS

Merton J. Smith, Cleveland, Ohio, assignor of thirty per cent to Paul B. Shannon, Lakewood, Ohio, of twenty per cent to John Perry Geiger, Cleveland, Ohio, and twenty per cent to Robert W. Wilson, Rocky River, Ohio

Application March 19, 1938, Serial No. 196,999

8 Claims. (Cl. 123—136)



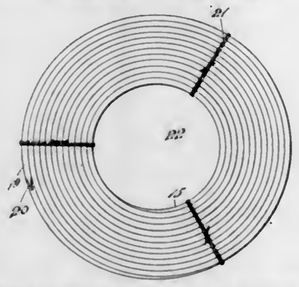
1. As a means of supplying discrete charges of liquid of definite duration to a point of delivery, a source of supply under pressure, a valve, and a capillary passageway from said valve to the point of delivery, said passageway being open from said valve to the discharge end.

2,183,876
PACKAGE FOR A LENGTH OF TUBULAR MATERIAL

Francis W. Sullivan, Cranston, R. I., assignor to United Wire & Supply Corporation, a corporation of Rhode Island

Application February 19, 1938, Serial No. 191,428

2 Claims. (Cl. 206—59)



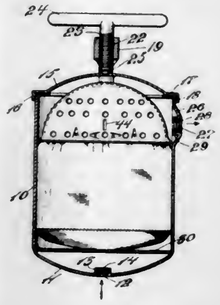
1. A self-supporting package of a single length of malleable metal tubing comprising a spirally coiled layer of tubing in substantialy a single plane with the convolutions of the tube closely adjacent each other and then extending to a different plane and providing a spirally coiled layer with the convolutions also closely adjacent and lying in substantially a single plane, and means to bind said layers into juxtaposed mutually supporting relation one with the other.

2,183,877
OIL FILTER

James W. Wilkinson and William Morgan, Leicester, Mass., and Thomas Edward Aldham, Providence, R. I., assignors to Fleming Manufacturing Company, a corporation of Rhode Island

Application June 15, 1937, Serial No. 148,328

9 Claims. (Cl. 210—131)



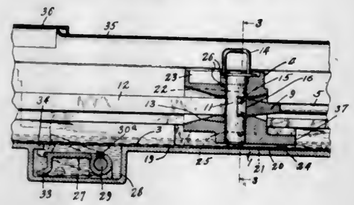
1. In an oil filter, an outer casing comprising a hollow body and a cover therefor, inlet and outlet openings in said casing adjacent the upper and lower parts thereof, a cartridge within the casing comprising a flexible bag of filter material, means to position the cartridge inwardly from the lower opening, and rigid means connected to the bag to position the cartridge inwardly from the upper opening and provided with one part of a detachable means for connection to the cover, the other part of the detachable means being carried by said cover.

2,183,878
LUBRICATING DEVICE FOR CROSS HEADS

Forrest J. Young, Los Angeles, Calif., assignor to The National Supply Company, Torrance, Calif., a corporation of Pennsylvania

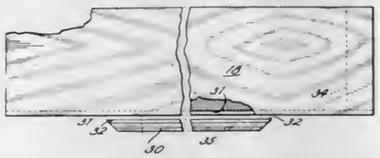
Application November 8, 1937, Serial No. 173,288

13 Claims. (Cl. 308—5)



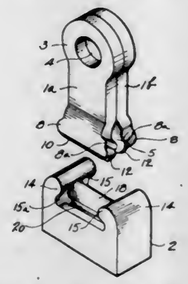
1. In a lubricating device, the combination of, a pair of cooperating members adapted for relative reciprocating motion, a surface associated with one of said members being adapted to slide on a complementary surface associated with the other of said members, a groove on one of said surfaces extending in a direction having a substantial component parallel to the direction of travel, means providing a lubricant chamber having a normal lubricant level above said groove, inlet means from said chamber to said groove, and passage means communicating with said groove at a point spaced from said inlet means, whereby relative movement of said surfaces induces a flow of lubricant through said groove and into said passage means.

2,183,879
DOOR FRAME CONSTRUCTION
Forrest F. Beil and Earl E. Green, Clinton, Iowa, assignors to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa
Application October 25, 1937, Serial No. 170,890
6 Claims. (Cl. 20—11)



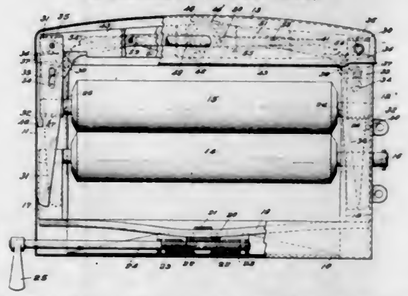
3. For use in a wall, a door frame construction comprising side and head jambs and side and head architraves extending from the jambs and overlying the wall, said head architrave being grooved on its under edge from end to end, said side architraves having tongues at their upper ends to engage said groove and align said architraves relative to each other and permit side adjustment to define varying frame sizes and means to cover the unused exposed groove in said head architrave comprising mitered corners at the inner edges of the side architraves adjacent said tongues and a member having mitered ends to be applied on the grooved edge of the head architrave and forming completed mitered joints with the mitered corners of said side architraves.

2,183,880
ROTARY HAMMER
James P. Brooks, Concrete, Wash.
Application April 11, 1938, Serial No. 201,363
2 Claims. (Cl. 83—11)



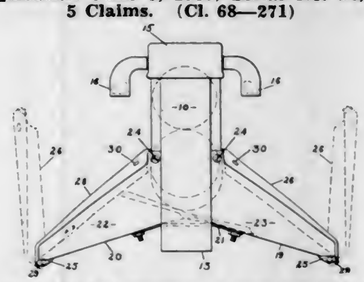
1. A hammer of the character described, comprising a head block having a transverse, flat bottomed recess across its top face, with overhanging shoulders at its opposite sides, a web extended between the said shoulders and dividing the recess; said bottom surface of the recess having channels thereacross at opposite sides of the web, and a shank comprising two complemental face plates, with ends applied to the recess at opposite sides of the web and having flat end surfaces in abutment with the flat base of the recess and having tongues extending therefrom into said channels and having ears at their opposite edges in holding contact beneath the overhanging shoulders; said ears being outwardly extended from the side edges of the shank and having the upper surfaces thereof beveled downwardly and inwardly, and the lower surfaces of the overhanging shoulders being downwardly and inwardly beveled to conform to the bevel of the coacting surfaces of the shank ears, thereby to effect a wedging action in the interlocking of the said parts to hold the end surfaces of the shank against the flat bottomed recess.

2,183,881
TOGGLE TOP WRINGER MECHANISM
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa
Application January 23, 1935, Serial No. 3,120
Renewed January 7, 1938
4 Claims. (Cl. 68—263)



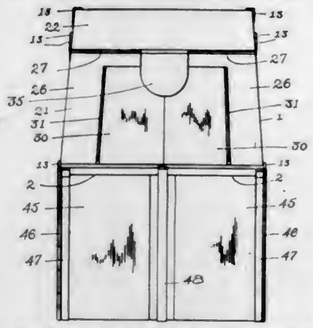
4. In a clothes wringer, a lower frame, an upper frame, a pair of cooperative rolls in said lower frame, slidable latch members pivotally attached to the top frame extending downward into the lower frame, to act as vertical guides for the top frame, toggle mechanism attached to said latch and top frame to apply and release roll pressure, and a toggle actuating lever pivotally attached to the top frame operable in one direction to force the latches into locked position in the lower frame and by reverse movement to release the latch members and permit the top frame to move upward to pressure released position.

2,183,882
WRINGER DRAIN BOARD MECHANISM
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa
Application June 5, 1935, Serial No. 25,035
5 Claims. (Cl. 68—271)



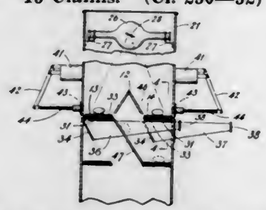
1. In a clothes wringer, a wringer frame, cooperating rolls, a drain board having downwardly tapered vertical side walls fixedly attached to the frame, a flipper board pivotally mounted under the rolls to divert drain water to either side of the drain board, cloth boards hinged to the lower corners of the drain board and extending across the vertical side walls of the drain board, releasable snap fasteners fashioned between the upper corners of said drain and cloth boards to hold them together, and wiper lips formed on the upper edge of the cloth board whereby clothes are restricted from wrapping around the lower roll or permitted to lift the cloth boards without damage to the clothes.

2,183,883
HEAT RAY BATH
Boyd E. Golder, Utica, N. Y.
Application March 2, 1939, Serial No. 259,522
3 Claims. (Cl. 128—374)



1. In a cabinet, a collapsible frame comprising a rear wall, lateral walls mounted to said rear walls, each of said lateral walls made in two parts that are hinged together, whereby to fold into parallel relation to each other, a cover member, said cover member being made in parts, one of said parts being hinged to said rear wall, L shaped parts hinged to said first named part, whereby to fold relative to said first named part, and still other parts of said cover hinged to said L shaped parts, whereby to fold relative to said L shaped parts and to said first named part of said cover and front panel members hinged to said lateral walls, whereby to fold relative thereto.

2,183,884
METHOD AND APPARATUS FOR CLASSIFICATION OF FRUITS AND FOODSTUFFS
James M. Hait, Los Angeles, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application August 23, 1937, Serial No. 160,441
13 Claims. (Cl. 250—52)



1. In an apparatus for inspecting the internal structure of discrete objects, a source of X-ray emanations disposed to project the emanations downwardly, a plurality of fluorescent screens disposed below said source and in the path of the emanations therefrom, means for conveying objects between said source and said means, and means for positioning said objects in a plurality of single files on said conveying means.

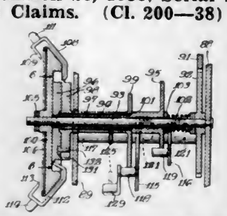
2,183,885
LENS
Stuart J. Heavyside, Dayton, Ohio, assignor to The Univis Corporation, Wilmington, Del., a corporation of Delaware
Application April 26, 1937, Serial No. 138,908
2 Claims. (Cl. 88—54)

2. In a multi-focal lens blank, a major lens having a countersink and a button secured in said countersink, said button consisting of a carrier member of substantially the same refractive index as the major lens, said carrier member having a horizontally elongated cutaway aperture therethrough extending outwardly to an edge thereof, the length of said aperture horizontally being greater than its width vertically, and a segment with opposite vertical edges of different thickness secured within said cutaway aperture and



having an edge exposed at an edge of said carrier member, said segment having buried shouldered edges on both of its long sides and on the short side nearest the center of said carrier member, whereby to provide a prism segment bifocal lens blank which may be surfaced into a finished lens merely by grinding away the blank surface by a thickness approximately equal to the thickness of said exposed segment shoulder in addition to suitably surfacing the opposite side of the blank.

2,183,886
TIME SWITCH
Julius A. Hjulian, Winnetka, Ill.
Application March 28, 1938, Serial No. 198,409
4 Claims. (Cl. 200—38)

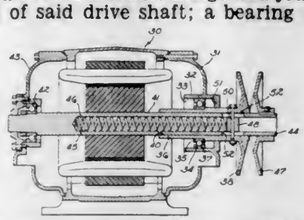


1. In a circuit controlling device, the combination of a rotatable shaft, a dial fixed thereon, a plurality of control members each including a friction disc carried by said shaft, said discs being arranged to receive friction drive from said shaft to rotate said control members with said shaft, a pointer arm carried by each of said discs and associated with said dial whereby the position of said switch members may be individually adjusted relative to the dial to determine the periods of circuit opening and closing, and a switch member for each control member, said switch members being provided with opposed contact elements adapted to contact each other to close the circuit.

2,183,887
VARIABLE-SPEED PULLEY STRUCTURE
Carl E. Johnson, Pasadena, Calif.
Original application May 1, 1933, Serial No. 668,772. Divided and this application December 7, 1937, Serial No. 178,469
1 Claim. (Cl. 74—230.17)

A variable-speed pulley structure of the character described, including: a motor; a motor shaft having an end extending from said motor, said shaft having a central opening therein and a longitudinal slot communicating with said opening; a V-type pulley on said end of said shaft, said pulley comprising a fixed flange rigidly secured to said shaft and a movable flange axially movable on said shaft; means connected to said movable flange and extending through said slot into said opening; a spring member within said

opening in said shaft for exerting a force on said means tending to move said movable flange axially relative to said fixed flange; a movable hub connected to said movable flange and journalling said end of said drive shaft; a bearing fixed to

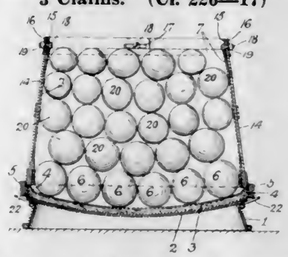


said hub and movable therewith, said bearing sliding in a tubular flange secured to said motor, said bearing providing a radial bearing support for said hub; and bearing means associated with said motor for supporting the other end of said motor shaft.

2,183,888

APPARATUS AND PROCESS OF PACKAGING FRUIT

David O. Lane, Fort Valley, Ga.
Application November 21, 1938, Serial No. 241,490
3 Claims. (Cl. 226—17)

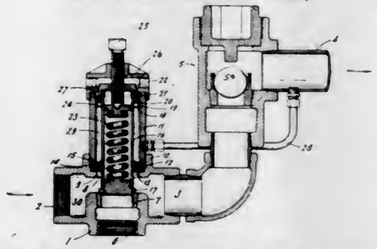


3. The method of packing fruit consisting in using a fruit container the bottom of which has been removed as a package forming element for the fruit to be packed, packing the fruit therein, then withdrawing the container and replacing it with respect to the package thus formed by another substantially identical fruit container the bottom of which is in place and fastening the cover on the container which houses the fruit.

2,183,889

PRESSURE REGULATOR

Roy M. Magnuson, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application October 13, 1936, Serial No. 105,389
8 Claims. (Cl. 137—153)

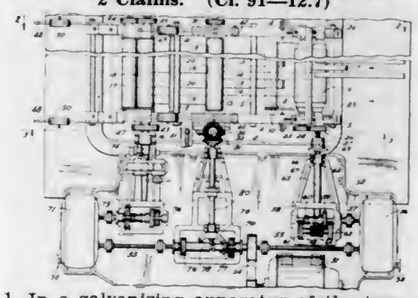


1. In a pressure regulating valve for spray systems handling liquids containing abrasives, a chamber having inlet and outlet ports, a relief port in said chamber having a valve seat in the path of liquid flow from said inlet port to said outlet port, a poppet valve for engagement with said valve seat and being otherwise free of said relief port to provide an unobstructed path of liquid flow when said valve is in port opening position, a hollow stem for said valve projecting through and spaced from an apertured wall of said chamber, non-metallic sealing means between said stem and said apertured wall, the cross sectional area of said stem engaged with said sealing means being substantially equal to the cross sectional area of said relief port at the valve engaging portion of said valve seat, a cylinder around the projecting portion of said stem out of contact therewith, a spring positioned within said stem and reacting against said cylinder for urging said valve to port closing position, and a non-metallic piston on said stem and slidably engaging said cylinder, said piston being subject to system pressure to control movement of said valve to open position.

2,183,890

GALVANIZING MACHINE

Elwin A. Matteson, Youngstown, and Benjamin P. Finkbone, Middletown, Ohio, assignors, by direct and mesne assignments, to The Aetna Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application April 6, 1938, Serial No. 200,486
2 Claims. (Cl. 91—12.7)



1. In a galvanizing apparatus of the type described, the combination of a pair of flux rolls, a pair of exit rolls, a pair of bottom rolls, means for driving said rolls including a single source of power, driving means connecting said pair of bottom rolls to said source of power, driving means including a stepless variable speed change mechanism for connecting said source of power to said flux rolls, and driving means including a second independently operable stepless variable speed change mechanism for connecting said source of power to said exit rolls, said speed change mechanisms being operable while the rolls are being driven either to increase or decrease the speed of rotation of said flux and/or exit rolls without changing the speed of rotation of said bottom rolls.

2,183,891

FAN HUB AND BLADE STRUCTURE

Eugene Newnham, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application December 16, 1935, Serial No. 54,698
1 Claim. (Cl. 170—159)

In a fan hub and blade structure, a hub having recesses in its periphery closed at their front ends and open at their rear ends to receive the ends of fan blades, fan blades of rubber or similar material having enlarged parts received in said recesses for retaining said blades assembled relative to said hub, said enlarged parts substantially filling said recesses from front to rear thereof, a shaft extending into the rear end of said hub and a cover plate therefor, said cover

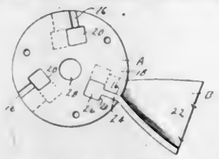
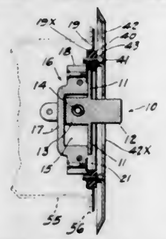


plate being perforated to receive said shaft and being positioned against said rear end of said hub whereby said cover plate engages said enlarged parts of said blades and retains the blades assembled in said hub and screws through said cover plate and into said hub to retain the cover plate assembled on the hub.

2,183,892

ELECTRIC SWITCH

Julius A. Pitsch, Hollywood, Calif., assignor of one-half to Ellis C. Harlin, Los Angeles, Calif.
Application March 10, 1939, Serial No. 261,017
3 Claims. (Cl. 200—163)

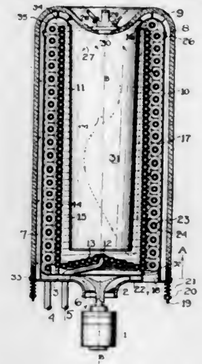


1. In an electric switch, a casing structure comprising an elongated chamber having spaced apart substantially parallel side walls afforded by side plates of the casing structure and a base member having raised end portions, mounting extensions fastened to said raised end portions, said side plates having inwardly directed top flanges to partially enclose said chamber, said flanges together with said raised end portions forming guiding grooves, said grooves intervening between the under sides of said flanges and the raised end portions of said base member, an electrode located in each side wall of said chamber, a face plate having through it a longitudinally extending opening, means to fasten said face plate to said mounting extensions with its said opening overlying said chamber, a switch member, said member comprising an elongated guide plate from the mid-length portion of one face of which projects a button and opposite to said button there projects from said plate an extension having through it a passage which extends transversely to the length of said chamber when said switch member is mounted therein, a compression coil spring occupying said passage and having its opposite ends directed toward the side walls of said chamber, and a contact carried by each end portion of said spring, said switch member being mounted to reciprocate longitudinally within said chamber with said button extending through the opening in said face plate and with opposite edge portions of said guide plate slidingly occupying said guiding grooves, said contacts being positioned to move into and out of engagement with said terminals when said switch member is reciprocated in said chamber, said button reciprocating in a straight line during the operation of the switch.

2,183,893

FLUID HEATER

Nathan C. Price, Berkeley, Calif., assignor to Sirius Corporation, a corporation of California
Application January 12, 1937, Serial No. 120,188
15 Claims. (Cl. 122—250)



12. A boiler comprising a first helical boiler tube having heat conductive fins on the external surface thereof, a flow passage between said fins, means for producing a relatively hot fluid, a pump for forcing said fluid along said passage, and a second helical boiler tube closely bounding said passage on one lateral side thereof.

2,183,894

COLD PERMANENT WAVING OF HAIR

David J. Pye, Pittsburg, Calif.
No Drawing. Application July 26, 1937, Serial No. 155,737
7 Claims. (Cl. 132—31)

2. A method of waving hair upon the human head consisting in dividing the hair into compact strands, wetting the hair with an aqueous solution of an alkali metal sulfide at a pH of 8 to 11, winding the hair strands and securing the wound strands to impart a permanent wave in about five minutes to the hair, and finally removing any of said aqueous solution remaining on the hair to ensure permanence of the wave.

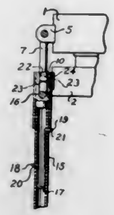
2,183,895

COUPLING

Tiffin W. Reed, Fort Worth, Tex., assignor of one-half to E. H. Harrison, Fort Worth, Tex.
Application November 9, 1937, Serial No. 173,718
1 Claim. (Cl. 285—172)

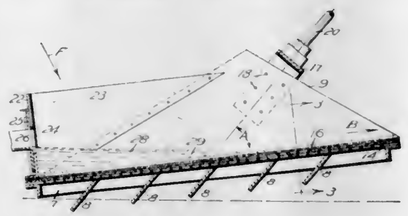
A union connection comprising in combination, male and female members and a conduit longitudinally therethrough, links pivotally connected to one of the said members, lugs on the other of the said members, recesses in the said lugs opposite the said pivoted connections for engaging either of the said links, a lever pivotally connected to the other of the said links opposite its pivoted connection with the first named member, a projecting end forming part of the said lever for engaging the recess of the other of the said lugs, a hairpin spring within the said handle, outward projections formed at the ends of the

said hairpin spring at unequal distances with respect to ends of the said lever, a sleeve over the said handle, openings in the end of the said sleeve adapted to engage either of the said re-



cessed lugs and the link attached to the said lever, a means selectively allowing the said sleeve to pass over the spring projection nearest the said pivotal connection of the lever.

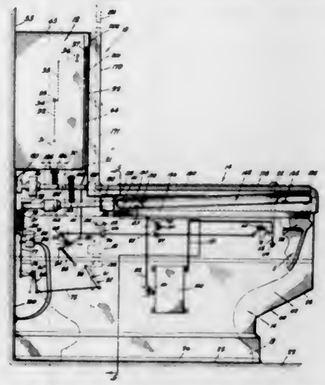
2,183,896
METHOD OF FILTERING OR DEWATERING
George H. Rupp and Philip M. Frantz, Pueblo, Colo., assignors to The Colorado Fuel and Iron Corporation, Denver, Colo.
Application June 1, 1937, Serial No. 145,832
6 Claims. (Cl. 210—149)



1. The method of separating particles of coal and the like from a liquid with which they are mixed, which comprises the introduction of such a mixture into a suspended pool confined at its sides and supported on its bottom by an inclined filtering medium, producing an ungraded settling of particles in the pool by the discharge of the liquid content through the filtering medium by subjecting the pool to differential vibratory impulses directed in opposition to the inertia of such pool as approximately 45° to the inclined bottom, compacting the settled solids on the filtering medium in ungraded condition by a continuance of such vibratory impulses, and entrapping solids, inclusive of fines, in the compacted body during its movement along the inclination of the filtering medium upwardly out of the pool induced by repetitions of the vibratory impulses.

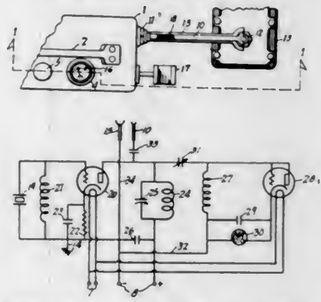
2,183,897
TOILET CABINET
Harry I. Stiller, Hollywood, Calif.
Application October 16, 1936, Serial No. 105,918
Renewed May 12, 1939
10 Claims. (Cl. 4—10)

1. In a toilet bowl and flush means cabinet, the combination of: a housing in the shape of a seat with a back said housing having a lower portion for covering said bowl and a portion extending upwardly from the rear of said lower portion to cover said flush means; means forming a liquid tight seal between said housing and the rim of said bowl; and means adjacent the



floor for holding said housing downwardly in place over said bowl and flush means.

2,183,898
INSULATION TESTING
Ralph W. Thornally, Berkeley, Calif.
Application January 24, 1938, Serial No. 186,627
13 Claims. (Cl. 175—183)

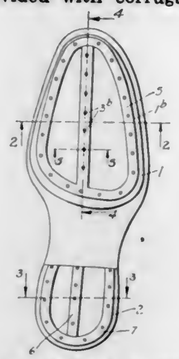


1. A method of testing an insulating material having an unknown reactive impedance associated therewith, comprising the steps of measuring the intensity of radio frequency current in a radio frequency oscillatory circuit substantially tuned to resonance, connecting the terminals of said insulating material to said circuit so as to impress a radio frequency potential across its terminals, re-resonating said circuit, measuring the intensity of the radio frequency current with the insulating material connected as aforesaid, and comparing the two measured intensities.

2,183,899
FOOTWEAR SOLE
Urban Urbany, San Diego, Calif.
Application September 7, 1937, Serial No. 162,659
1 Claim. (Cl. 36—59)

In a footwear sole, a base member of relatively hard surface provided with substantially semi-circular grooves in its outer surface, hollow tubular resilient members partially embedded in said grooves and extended therefrom, said tubular members provided with holes extending from their outer sides into the hollow portion thereof receiving nails securing said hollow tubular resil-

ient members in said grooves, said hollow tubular members provided with corrugations extending



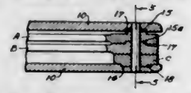
longitudinally thereof and extending around its whole surface.

2,183,900
INFLATION VALVE
William J. Voit, Los Angeles, and Leith C. Welmer, Southgate, Calif., assignors, by mesne assignments, to said William J. Voit
Application January 10, 1938, Serial No. 184,122
7 Claims. (Cl. 273—65)



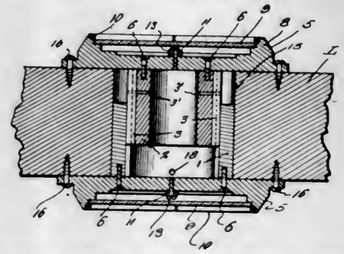
1. In an inflating valve, the combination of: an outer housing formed with an interior cylindrical chamber having end walls transverse of the axis of said chamber and an opening in each of said end walls; and a rubber valve core formed with a gas passage therethrough, said core snugly fitting within said chamber and having two walls arranged transversely of the axis of said chamber and engaging said end walls respectively, the distance between said transverse walls when said core is not longitudinally compressed being of normally greater length than the distance between said end walls, whereby, when said valve structure is assembled, said core is longitudinally compressed and shortened.

2,183,901
POCKET KNIFE
Everett E. Weaver, Boulder County, Colo.
Application March 2, 1939, Serial No. 259,328
4 Claims. (Cl. 30—161)



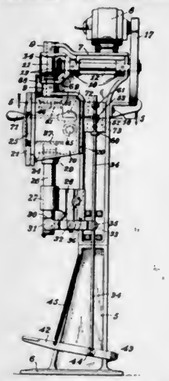
1. A pocket knife comprising, in combination, a handle having two interconnected spaced sides, a pivot connecting the sides adjacent one end thereof, a plurality of blades operatively attached to the pivot, the sides having non-circular depressed areas adjacent the pivot, the blades adjacent the sides having each a raised area of substantially the same size and shape as the depression in the adjacent side, the thickness of the blades plus the height of the raised areas of the blades adjacent the sides being greater than the distance between the opposed surfaces of the sides of the handle, and the thickness of the blades plus the height of one of the raised areas being less than the distance between the sides of the handle whereby one of the raised areas must be positioned in a recess of the handle before any of the blades can be turned on the pivot.

2,183,902
PITCH DETERMINING DEVICE
Spangler Linton Alexander, Shirleysburg, Pa.
Application April 25, 1939, Serial No. 269,956
2 Claims. (Cl. 33—215)



1. A device of the class described comprising a pair of telescopic cylinders for insertion in a hole in a supporting member, a face plate detachably connected to the outer end of each cylinder, means for detachably connecting the face plate to the supporting member, each face plate having a recess in its outer face, a dial in the recess, a weighted finger located in the recess and pivoted to each face plate and movable over the dial.

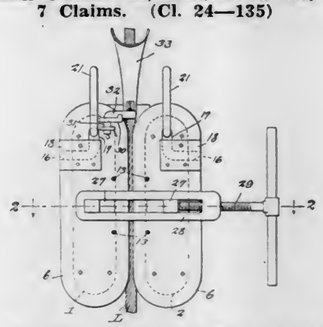
2,183,903
MACHINE FOR HAND SEAMING IN VACUUM
Gerald L. Ardron, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 7, 1937, Serial No. 162,820
9 Claims. (Cl. 113—23)



1. In apparatus for sealing containers in a vacuum, the combination of a vacuum chamber, means in the chamber for sealing a container and including a rotary chuck and a pad reciprocable to present a container to said chuck, a valve operable to bring about or relieve an evacuated condition in said chamber, stop means normally effective to stop movement of said pad just prior to engagement between said chuck and the cover of a loosely covered container on said pad whereby said cover will be loosely held against dis-

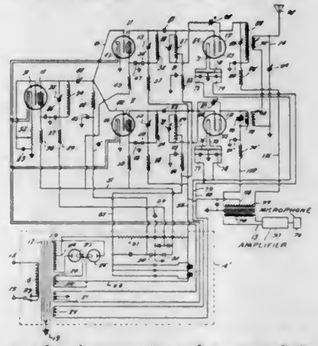
placement, and means for rendering said stop means ineffective as said valve is moved to the position in which an evacuation of said chamber is effected.

2,183,904
WIRE LINE CLAMP
Thomas W. Bell and Thomas C. Rogers, Parkersburg, W. Va.
Application October 18, 1938, Serial No. 235,675
7 Claims. (Cl. 24—135)



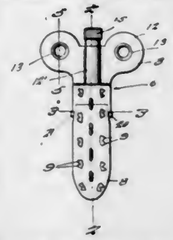
4. A wire line clamp including opposed jaws hingedly connected, each jaw having an endless channel extending therearound, plates connected to opposed faces of each jaw and extending beyond the channel, there being a slot extending transversely into each jaw and its plates and intersecting the channel, cover plates removably attached to the jaws and constituting closures for the slots, an endless series of abutting blocks slidably mounted within the channel in each jaw, cooperating means on each of the plates and the jaws for holding the jaws within the channels, one of said cover plates being removable for the insertion or withdrawal of a block into or from the channel, and means for adjusting the jaws angularly relative to each other.

2,183,905
PHASE MODULATION TRANSMITTER
Marshall Lytton Dull, Catonsville, Md., assignor to Dull Radio Laboratories, Inc., Baltimore, Md., a corporation of Maryland
Application March 1, 1933, Serial No. 659,231
3 Claims. (Cl. 250—17)



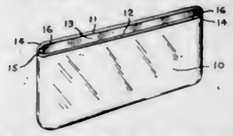
3. Means for impressing phase modulations at signal frequency on carrier frequency oscillations including, a pair of thermionic tubes having their input electrodes energized by said carrier frequency oscillations, means for varying the impedance of said tubes in phase opposition at signal frequency, and tuned circuits connected with the output electrodes of said tubes for relatively shifting the phase of the oscillations repeated in said tubes.

2,183,906
PIPE CLEANER
William G. Evenson, Baraboo, Wis.
Application July 18, 1938, Serial No. 219,860
1 Claim. (Cl. 131—246)



A pipe bowl cleaner comprising a pair of complementary members each formed of a single piece of material and each including an elongated part of semi-cylindrical shape in cross section and a substantially flat part having wing forming portions, rivets connecting the wing forming portions of the two members together, the rest of the two members being disconnected from each other, the central portions of the flattened part being bent outwardly into semicircular shape in cross section, the two semicircular portions forming a bearing, a shaft journaled in the bearing and having a handle at its outer end, a nut member threaded on the inner portion of the shaft, said inner portion of the shaft being threaded and the edge parts of the semi-cylindrical portions of the two members having tapered notches therein and projections on the nut extending into said notches for forcing the two members apart when the nut member is moved in a certain direction by turning movement of the shaft.

2,183,907
WINDSHIELD DEFROSTER
Peter Fischer and Theodore Fischer, Lockwood, Saskatchewan, Canada
Application October 7, 1937, Serial No. 167,845
1 Claim. (Cl. 20—40.5)

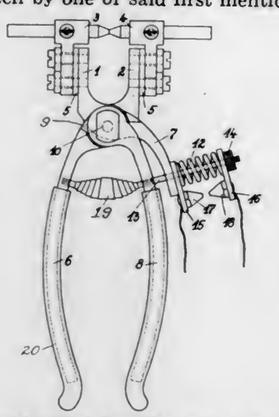


A windshield comprising a double wall glass pane of monolithic construction, said walls being spaced apart to provide a space between the walls from which the air is extracted to produce a vacuum, the inner edges of said pane being rounded and having a channel formed therein, and a conduit extending around the inner edges of said pane and seated in the channel, through which a heating medium is adapted to pass for heating the walls of the pane.

2,183,908
WELDING DEVICE
Walter Gladitz, Augsburg, Germany
Application March 6, 1937, Serial No. 129,304
In Germany March 6, 1936
2 Claims. (Cl. 219—4)

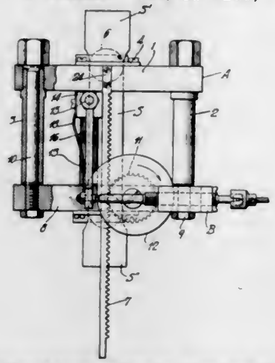
1. A manual spot welding tool consisting of a pair of tongs comprising two jaws and handles

therefor, holders for the welding electrodes detachably mounted on said jaws being insulated therefrom, a third handle operatively connected with one of said handles, a common pivot connecting all said handles, an electric contact carried each by one of said first mentioned han-



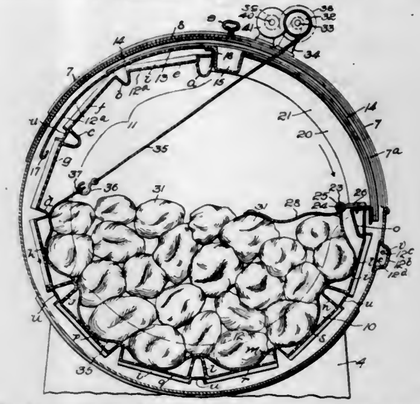
dles and said third handle, and a compression spring intermediate said first mentioned handle and said third handle permitting said contacts to be closed only after having been compressed to a predetermined extent by the operation of said third handle.

2,183,909
EXTENSOMETER DEVICE
Quintin McGill Henderson, Kearny, N. J., assignor to United States Steel Corporation, New York, N. Y., a corporation of New Jersey
Application July 16, 1936, Serial No. 90,988
2 Claims. (Cl. 33—147)



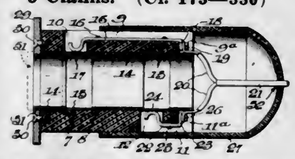
1. An extensometer device comprising two separable and telescoping parts each provided with means to attach the part to a specimen being tested under tension at opposite sides of the point of rupture thereof, mechanism including a rack attached to one of said parts, a pinion gear attached to the other of said parts in a position to engage said rack, and a cam actuated by said gear to operate a movable contact a distance bearing a direct ratio to the distance traveled by said rack incident to a separating of said parts through the stretching of said material and means cooperating with said movable contact to record the movement of the same in magnified ratio.

2,183,910
GOODS TREATING MACHINE AND UNLOADING MEANS THEREFOR
Fritz W. A. Henrici, Milton, Mass.
Application October 14, 1938, Serial No. 235,005
9 Claims. (Cl. 68—210)



2. A goods treating machine comprising a supporting casing and a horizontal goods receiving cylinder with a door in its cylindrical wall, means for rotating said cylinder, a goods unloader lifting means on the casing, and a removable goods-unloader comprising a sheet of flexible material provided with means cooperating with said unloader lifting means and provided with a cylinder engaging part attached to the cylinder wall at one edge only to position said edge of the flexible sheet with respect to the goods leaving the remainder of the sheet free, whereby rotation of the cylinder causes the flexible sheet to enwrap itself about the goods within the cylinder, leaving one free edge of said flexible sheet exposed on top of the goods; and means for operating said lifting means for withdrawing said flexible sheet with the enwrapped goods from the machine.

2,183,911
SEPARABLE ELECTRICAL CONNECTOR
Martin Luther Howell, Freedom, Pa.
Application September 24, 1938, Serial No. 231,599
3 Claims. (Cl. 173—330)



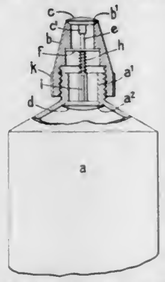
3. A separable electrical connector including a socket and a plug, said socket comprising a cylindrical shell having an axial bore extending therethrough, longitudinal grooves formed in spaced relation in the external surface of said shell, each of said grooves terminating at one end in a radial aperture communicating with the shell bore, said grooves being of different length so as to space said apertures along the shell, metallic contact bands positioned within said axial bore and disposed to respectively cover the inner ends of said radial apertures, non-conducting spacer bands positioned in said axial bore and disposed in end-abutting relation to said contact bands, the contact bands being of lesser thickness than the non-conducting bands to thereby form de-

pressed areas within said bore, a contact member secured within each groove, each contact member having one end bent inwardly in one shell aperture into yielding contact with a contact band and its other end presented at an end of the shell to form a terminal contact.

2,183,912
CLOSURE DEVICE FOR COLLAPSIBLE TUBES

Ernst Isler, Basel, Switzerland, assignor to Steatit Verkaufsgesellschaft A. G. (Steatite Trading Ltd.), Basel, Switzerland

Application July 7, 1939, Serial No. 283,272
In Switzerland August 3, 1938
4 Claims. (Cl. 221—60)

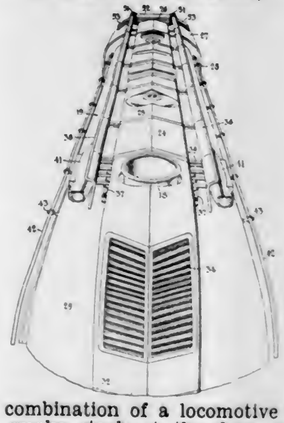


1. A closure device for collapsible tubes, comprising a screwthreaded tube neck, a closure sleeve threaded at one end for engagement with said screw threads of the tube neck, a valve seat on a face of said closure sleeve, another valve seat on an opposed face of said tube neck, two oppositely arranged coaxial valves, an outer one and an inner one, each facing one of said valve seats, means for rigidly coupling together said valves and spring means to elastically hold the same within the said closure sleeve so as to allow closure and opening of the inner valve when screwing up and down the said closure sleeve, whilst an opening of the outer valve for outlet is only possible in down-screwed position of the said closure sleeve and consequent open position of the inner valve.

2,183,913
LOCOMOTIVE

Otto Jabelmann, Omaha, Nebr.

Application November 8, 1937, Serial No. 173,479
17 Claims. (Cl. 105—2)

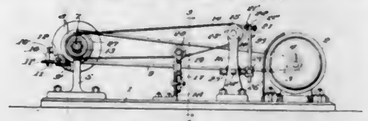


1. The combination of a locomotive having a boiler, a smoke stack at the forward portion thereof, and a roofed cab located in a position to the rear of said stack; a monitor housing the sides of the stack and extending rearward therefrom over the cab roof; and a pair of upstanding wind deflectors, one deflector opposite each side of the monitor, spaced therefrom and substantially coextensive in length therewith, said deflectors defining a channel along the top of the locomotive, protected from crosswinds and adapted to conduct smoke from said stack to the rear of the locomotive and to inhibit its flow past the front and sides of the cab.

2,183,914
GRINDING MACHINE

Arnold R. Johnson, Underwood, N. Dak.

Application March 31, 1938, Serial No. 199,264
1 Claim. (Cl. 51—3)



In a grinding device, a standard, a grinding element rotatably mounted on said standard, a table disposed adjacent said standard and formed with spaced arms receiving therebetween said element and adapted to support a work-piece thereon for engagement of the cutting edge of said work-piece with said element, a support on said table adapted to engage a non-cutting edge of said work-piece, adjustable means connecting said table to said standard to permit vertical and horizontal adjustment of the table with respect to said element, and a member carried by said table and threadedly connected to said support for adjusting the latter relative to said element whereby said work-piece is moved by said support towards said element to effect grinding of said work-piece in a direction towards said cutting edge.

2,183,915
TREATMENT OF COMMODITIES

Ralph Killingstad, New Smyrna, Fla., assignor, by mesne assignments, to General American Precooling Corporation, Chicago, Ill., a corporation of Delaware

Application July 24, 1936, Serial No. 92,424
3 Claims. (Cl. 146—202)



1. An apparatus for treating fuzzy commodities comprising a device for brushing the fuzz from the commodities, a conveyor adapted to pass the commodities toward the brushing device and having one end connected with the brushing device, a housing for the brushing device and conveyor, an air inlet adjacent the brushing device and a restricted air outlet adjacent the free end of the conveyor, and an air conditioning unit operatively connected with the air inlet in such a manner that chilled air may be introduced at high velocity in a direction counter to the direction of the movement of the conveyor to the brushing device.

2,183,916
PIANO KEYBOARD LEVELER

Edward O. Liaboe, Bartlesville, Okla.

Application February 1, 1938, Serial No. 188,165
2 Claims. (Cl. 84—432)

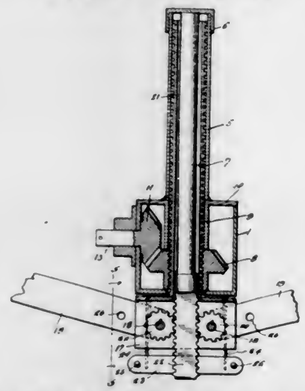
1. A piano keyboard leveler including the combination with a piano key, center rail, and pin connecting the key to the rail, of a wedge provided with a longitudinal slot receiving said pin, said wedge being inserted between the rail and the key, an angular member on the free thicker end of the wedge, a depending eye swivelled on said member provided with screw threads, upper and lower wedge rails between which said angular member is disposed, a front rail, and a screw rotatably carried by the front rail, top wedge rail and center rail and having screw threads engaging the screw threads of the swivel eye, said screw permitting the wedge to be adjusted from the front of the piano, said eye permitting of the wedge being properly aligned with the key to compensate for inequalities in the keyboard.



2,183,917
JACK

James Willard Mead, Coleman, Tex.

Application March 25, 1938, Serial No. 198,129
5 Claims. (Cl. 254—133)



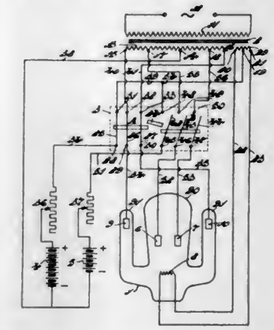
1. A jack of the class described comprising a housing structure adapted to be mounted on a vehicle, a tubular screw mounted in the housing structure and movable downwardly therefrom, a rack bar supported on the housing structure and retained against upward movement thereby, legs mounted for swinging movement on the lower end of the screw, and gears on the pivoted ends of said legs engaged with the rack bar for swinging said legs when the screw is raised or lowered, said legs being of sufficient weight to overbalance the rack bar and, through the gears, constituting means for supporting said rack bar against downward movement in the housing structure.

2,183,918
RECTIFIER TUBE AND CIRCUIT ARRANGEMENT THEREFOR

Johannes Gijsbertus Wilhelm Mulder, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application August 31, 1935, Serial No. 38,822
In Germany September 5, 1934
7 Claims. (Cl. 175—363)

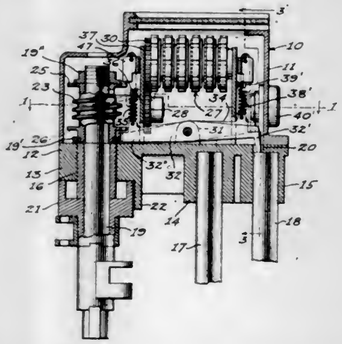
1. A multi-voltage rectifying tube comprising an envelope having a condensation chamber and extending arms, a gaseous filling and a thermionic cathode within said envelope, a set of high-voltage main anodes disposed within said arms, and a set of medium-voltage anodes disposed within said condensation chamber above the entrance of said arms and nearer the cathode than are the high-voltage anodes, said medium-voltage anodes having at least the current carrying capacity of said high-voltage anodes.



2,183,919
LOCK FOR SIGNATURE PRINTING MACHINES

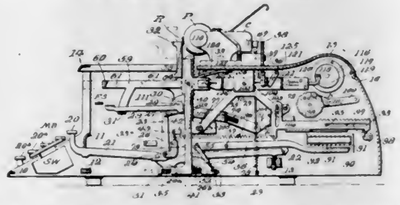
Ernst Persson, Brooklyn, N. Y., assignor to The International Postal Supply Company, Brooklyn, N. Y., a corporation of New York

Application April 20, 1937, Serial No. 138,033
3 Claims. (Cl. 101—91)



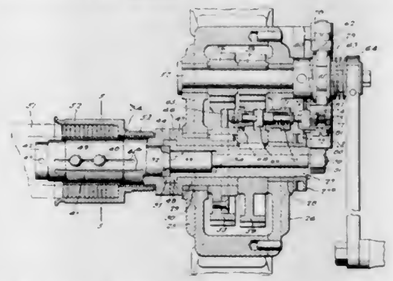
1. In a machine of the class described, a rotary printing member, counting mechanism associated therewith, a housing for said counting mechanism, a plurality of recessed projections on the underside of said housing, a support for said housing including a plurality of vertical posts adapted to cooperate with said recessed projections to position the housing on said support, and means for locking said mechanism including a member extending into one of said recessed projections when the housing is removed from said support and engageable with one of the posts of the support when said housing is disposed thereon for moving said locking means to unlocking position, said member being moved to unlocking position by the weight of the housing and counting mechanism.

2,183,920
COMBINED TYPEWRITING AND ACCOUNTING MACHINE
Clifton King Rainey, Knoxville, Tenn., assignor of one-fourth to John F. Baker and one-fourth to Forrest Andrews, both of Knoxville, Tenn.
Application July 6, 1935, Serial No. 30,174
Renewed September 15, 1939
19 Claims. (Cl. 101—46)



5. In a typing and accounting machine, a platen, a set of typewriting type bars pivotally supported in front strike relation to said platen, a set of item-printing type bars disposed beneath said platen, key means common to both sets of type bars, a fore and aft shiftable frame with which said type bars are bodily movable and shiftable to present one or the other of the sets of type bars in position for operating against said platen, means to shift the frame, and means operable incident to the shifting of the frame for effectually connecting the key means in control relation with a selected set of said type bars.

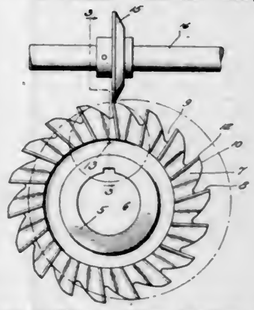
2,183,921
TUBE DEFORMER
René L. E. Reuter and Otto Huelster, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 28, 1937, Serial No. 150,856
12 Claims. (Cl. 153—79)



1. In a tube deformer, an expander unit having relatively rotable operating members, driven elements detachably connected to the respective expander members and adapted to be driven at different rates of speed for relatively rotating the expander members, and stop motion means operable upon the relative turning of the expander members to a predetermined extent to free the same from being driven.

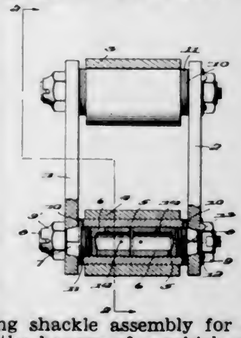
2. In a tube deformer, coaxial socketed shafts, means for driving the shafts at relatively different speeds, and an expander unit including a mandrel with a circumferential cam, a sleeve on the mandrel, and a rolling element carried by the sleeve in the plane of the cam, said mandrel and sleeve having socket portions relatively complemental to said socket shafts for detachable interlocking engagement therewith.

2,183,922
MILLING CUTTER
Elwin A. Robbins, Nashua, N. H.
Application August 16, 1937, Serial No. 159,417
1 Claim. (Cl. 29—103)



A rotary milling cutter having cutting teeth provided with front faces and lands, the land of each tooth having upper and lower portions disposed on the arcs of circles having their axes shorter than and eccentric to the axis of normal rotation of said cutter, the said upper and lower portions intersecting at an angle intermediate the length of the land, the center for the upper portion being spaced rearwardly from the center for the lower portion and the said upper portion being a convexed portion intersecting the cutting edge at the upper end of the front face of the tooth and serving to reinforce said cutting edge and prevent chipping thereof, said convex portion being downwardly inclined rearwardly of the cutting edge to provide clearance.

2,183,923
SPRING SHACKLE ASSEMBLY
James H. Roberts, Osceola, Ark.
Application March 10, 1939, Serial No. 261,100
1 Claim. (Cl. 267—54)

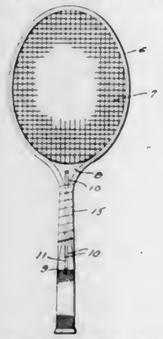


In a spring shackle assembly for connecting a spring to the hanger of a vehicle chassis, including a pair of shackle bars, and internally threaded sleeves engaging the eyes of the spring and hanger, respectively; means for securing said shackle bars to respective sleeves, comprising a pair of oppositely disposed threaded members cooperating with and independently movable in the threads of each of said sleeves, the opposed inner ends of said threaded members being hollowed to form a grease chamber, said threaded members being provided with a series of radial ports for placing said chamber in communication with the threads of said threaded members and said sleeve, a circular flange on the outer end of each of said threaded members integral with the latter, said flanges being interposed between said sleeve and respective shackle bars, means for fixedly mounting the outer end of each of said threaded members on the adjacent end of said shackle bars in abutting engagement with said flanges, means for injecting grease in the outer end of at least one threaded member of each pair, and sealing means interposed between each of said flanges and the respective end of said sleeve for preventing the escape of grease lubricant along the outer ends of said threaded members.

2,183,924
LIGNITE AND PROCESS OF PRODUCING THE SAME
Eugene P. Schoch, Austin, Tex.
No Drawing. Application April 13, 1938, Serial No. 201,850
6 Claims. (Cl. 44—1)

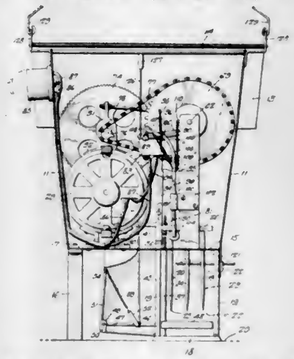
1. The process of dehydrating lignite which comprises submerging raw lignite as obtained from a mine under a hydrocarbon oil of which a substantial fraction has distillation temperatures higher than water, within a closed vessel capable of standing the resulting high vapor pressure; heating this closed vessel and its contents to a temperature above the vaporization point of the water in the lignite while allowing no substantial amount of water vapor to escape but retaining it until a desired maximum temperature is attained; then allowing any desired portion of the moisture from the lignite to be blown off while the charge is at such a high temperature and while it is still submerged under and is being heated by the oil; and draining off the remaining liquid oil from the lignite.

2,183,925
RACKET
George H. Simpson, Toronto, Ontario, Canada
Application March 14, 1939, Serial No. 261,810
3 Claims. (Cl. 273—73)



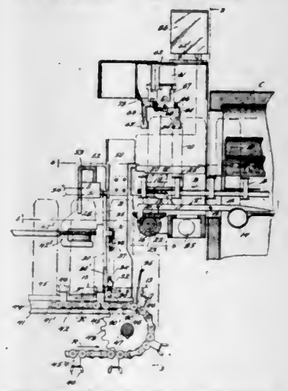
1. A racket-bat embodying a string equipped frame having a head and a handle joined to said head, said head and handle having aligned longitudinal grooves on opposite sides thereof, and resilient metal bars fitting in said grooves and bridging the joint between said head and handle, and a wrapping of rawhide or suitable material about said head and handle and extending above and below said joint and serving to retain said resilient element in said grooves said wrapping terminating in spaced relation to those ends of the rods which are located in the grooves of the head for exposing said ends.

2,183,926
ANIMAL TRAP
Elijah J. Willis, Morehead City, N. C., assignor of one-half to Jasper B. Frizzelle, Snow Hill, N. C.
Application August 5, 1938, Serial No. 223,366
4 Claims. (Cl. 43—75)



1. An animal trap comprising a baited entrance, animal spearing means including a driving means for said spearing means, animal actuated trip means for holding the spearing means in driving position, an electric motor, an operating connection between the electric motor and the spearing means for returning the latter to its driving position after being tripped by an animal, and a normally open switch for the electric motor and having an operating connection with said spearing means for closing the switch after tripping said spearing means and for opening the switch after return of the spearing means to said driving position.

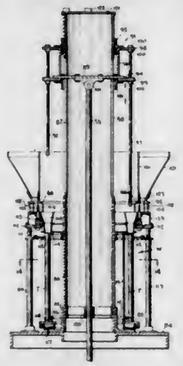
2,183,927
CONTAINER FABRICATING MACHINE
Julius E. Wollenweber, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application October 29, 1937, Serial No. 171,778
14 Claims. (Cl. 93—53)



1. In a container fabricating machine, in combination, a horizontally disposed vertically adjustable conveyor having elements thereon for positively engaging containers to ensure advancement of such containers with the conveyor, and a guide positioned above said conveyor for successively receiving containers and guiding them

along a predetermined path downwardly onto said conveyor, for all positions of adjustment of said conveyor, said guide comprising two gate members hinged for pivotal movement about parallel axes, and resilient means normally maintaining said gate members in container guiding position but permitting displacement thereof by a container when said conveyor is advanced with the elements thereon pushing the containers.

2,183,928
CORK ROD PACKING MACHINE
John M. Binder, New Hyde Park, N. Y., assignor to Consolidated Cork Corp., New York, N. Y., a corporation of New York
Application December 14, 1936, Serial No. 115,877
5 Claims. (Cl. 18—5)



1. In a machine of the character described, an intermittently revolvable hopper having a plurality of outlet openings, chutes located below the outlet openings, tubes located below the chutes, a rotating support for the tubes, chutes and hopper, a measuring device located between each hopper outlet and a chute and rotatable relative to said hopper and chute by means independent of the hopper and chute, said measuring device being provided with a dividing partition normally located between each hopper outlet and chute, means for rotating each measuring device to cause it to direct material received by it from the hopper into the chute, an agitator for vibrating the hopper contents and operative within the hopper and provided with closure elements for closing the hopper outlet openings during periods of rotation of the hopper, means for moving the agitator to non-closing position and vibrating the same while in such position during periods of rest of the hopper, and means entrant into the tubes for compressing the material delivered into the same from the hopper and through the measuring devices and chutes.

2,183,929
SULPHONATION PRODUCT
Albert Frank Bowles, Jersey City, and Saul Kaplan, Teaneck, N. J., assignors to The Richards Chemical Works, Incorporated, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application July 9, 1936, Serial No. 89,764
4 Claims. (Cl. 260—401)

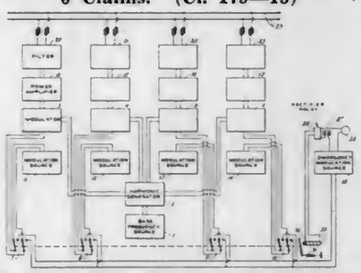
1. A textile and leather processing assistant, comprising the neutralized sulphonation product of the product obtained by condensing a compound containing at least 1 —NH_2 group per molecule with the material obtained from the condensation of an aldehyde containing 2 to 18 carbon atoms per molecule with malonic acid.

2,183,930
EMERY BOARD AND ASSEMBLED UNIT OF THE SAME
Marshall T. Brekke, Scarsdale, N. Y., assignor to Northam Warren Corporation, New York, N. Y., a corporation of New York
Application July 1, 1938, Serial No. 216,899
1 Claim. (Cl. 51—185)



A method of manufacturing emery boards comprising the steps of providing a non-elastic sheet of material with abrasives on both sides thereof, superimposing a protective paper sheet of equal size upon the abrasive sheet, simultaneously diecutting the superimposed sheets with the paper sheet under the abrasive sheet, the edges of said paper sheet being turned upwardly during the cutting operation so that the edges of said paper sheet will graspingly contact the peripheral edges of the abrasive sheet.

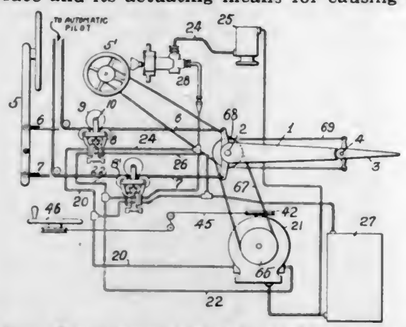
2,183,931
WIRED RADIO CHANGE-OVER SYSTEM
Henry R. Butler, Verona, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application March 3, 1938, Serial No. 193,646
6 Claims. (Cl. 179—15)



1. A signalling system comprising, a common transmission medium, transmission means for transmitting a plurality of different programs at discrete frequencies over said transmission medium, an emergency modulation source, and control means for interrupting said program transmission and connecting said emergency modulation source with said transmission means to simultaneously transmit the single emergency signal modulation at all of said frequencies, said emergency modulation source comprising means responsive to the emergency modulations for actuating said control means.

2,183,932
AUTOMATIC TRIM CONTROL FOR AIRCRAFT
Bert G. Carlson, Freeport, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 29, 1937, Serial No. 145,419
Renewed October 29, 1938
7 Claims. (Cl. 244—75)

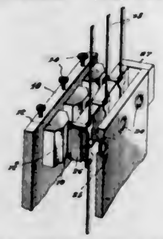
1. In a control device for aircraft, the combination with a main and an auxiliary or trim control surface, primary means for moving said main surface, auxiliary servo-motive means for moving said trim surface, and means responsive to an unbalanced force acting between said main surface and its actuating means for causing actuation of said servo means to readjust said trim surface to eliminate said force.



2,183,933
PROCESS OF PREPARING DIETARY ANTIRACHITIC SUBSTANCES
James Knox Elderkin, Montclair, and Emil Hofman, Newark, N. J., assignors to Chemical Products Company of New Jersey, Inc.
No Drawing. Application October 8, 1937, Serial No. 168,010
3 Claims. (Cl. 99—13)

1. The process of preparing dietary substances so they will possess antirachitic properties which consists in subjecting at least some part of the substance to the action of only ozone for a period sufficient to effect antirachitic activation, but limited so as to avoid harmful injury to the antirachitic vitamin.

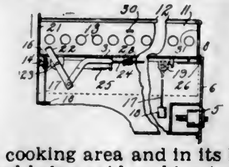
2,183,934
MULTIPLE GALVANOMETER
Carl A. Heiland, Denver, Colo., assignor to Heiland Research Corporation, Denver, Colo., a corporation of Colorado
Application June 4, 1937, Serial No. 146,521
13 Claims. (Cl. 171—95)



12. In a galvanometer comprising a pole member and a rebent electric field-creating strand suspended adjacent the said pole member, a second pole member of opposite polarity to the first and arranged to pass through the rebent field-creating strand.

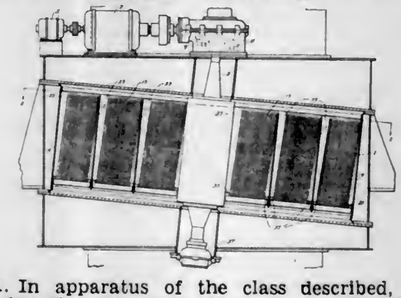
2,183,935
SUPPLEMENTAL PANEL STOVE TOP
Francis R. Howe, Wakeman, Ohio
Application May 5, 1938, Serial No. 206,148
1 Claim. (Cl. 126—39)

In a range, a cooking top provided with a cooking area, said top provided with an upwardly open slot surrounding said cooking area, a panel mounted for vertical movement in said slot, said panel in its elevated position forming a fence



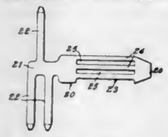
around said cooking area and in its lowered position concealed below said cooking top, and means for latching said panel in either position.

2,183,936
AIR PREHEATER
Hilmer Karlsson and William D. Yerrick, Wellsville, N. Y., assignors to The Air Preheater Corporation, New York, N. Y.
Application January 22, 1937, Serial No. 121,830
3 Claims. (Cl. 257—6)



1. In apparatus of the class described, the combination of a rotor frame, means to rotate the frame about an axis inclined away from the vertical, groups of generally upright plates with some play at the top in a direction at right angles to the plates, whereby during a complete revolution of the frame the plates of each group swing about their lower edges taking up said play first in one direction and then in the other, particles of dust, etc., on the plates thereby being dislodged.

2,183,937
BELT FASTENER
Herman Koester, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application January 28, 1939, Serial No. 253,293
12 Claims. (Cl. 24—33)



4. A hinged metallic jointure for non-metallic belting, comprising two similar members, each having an element adapted to be secured to a flat face of the belting to be joined and including a slotted portion of cylindrical curvature adapted to overhang the end of said belting and terminating in a hook portion, a liner for said element, and a further element adapted to be secured to the opposite flat face of said belting and including a hook portion to engage said first-named hook portion, together with securing means adapted to pass completely through the material of said belting and securing both said elements to the belting, the said two members being

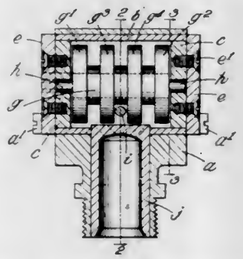
adapted to have their slotted portions interleaved, forming a substantially closed cylindrical channel, and a pin member adapted to be positioned in said channel with a lining to incorporate said members into a hinged structure.

2,183,938
MARSHMALLOW TOASTER
Charles A. Lewis, Lakewood, Colo.
Application March 29, 1939, Serial No. 264,851
4 Claims. (Cl. 53—5)



1. A culinary utensil comprising: a plate member; a series of pairs of arms projecting radially outward from said plate member, said arms being bent at right angles to form pairs of tines; a handle; and means for detachably attaching said handle to said plate member.

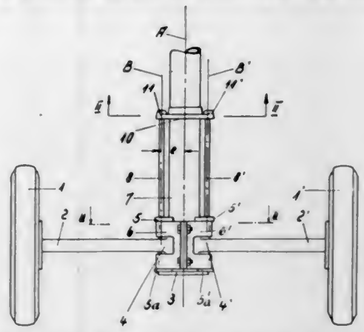
2,183,939
ROLLING VALVE FOR AIR-CONTROLLED INSTRUMENTS
Douglas George King Moss, Sanderstead, England, assignor to Mechanism Limited, Croydon, England, a limited corporation of Great Britain
Application June 27, 1938, Serial No. 216,073
In Great Britain July 22, 1937
10 Claims. (Cl. 137—139)



9. An air valve for navigation instruments comprising a valve chamber, a rolling element adapted to open and close air exit orifices provided in the said chamber, a transverse element between the chamber walls, guiding means provided on said rolling element and cooperating with said transverse element, whereby skewing of the rolling element is prevented.

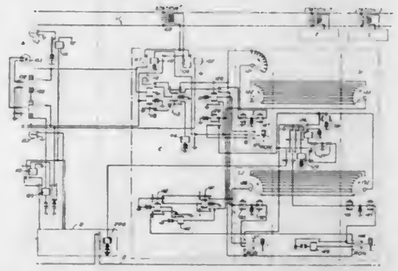
2,183,940
VEHICLE WHEEL SUSPENSION
Ferdinand Porsche, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application December 16, 1937, Serial No. 180,059
In Germany February 18, 1933
7 Claims. (Cl. 267—57)

1. In a vehicle, a central longitudinal circular frame member, a lever, wheel supporting means on one end of said lever, a cylindrical bushing on the other end of said lever, means for holding said bushing for engagement with and rotation on said circular frame member, and spring means interconnected between said bushing and



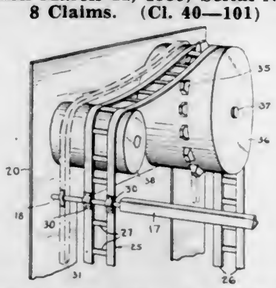
frame member for resisting rotation of said bushing.

2,183,941
SIGNALING SYSTEM
Harold M. Pruden, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1937, Serial No. 125,241
2 Claims. (Cl. 177—380)



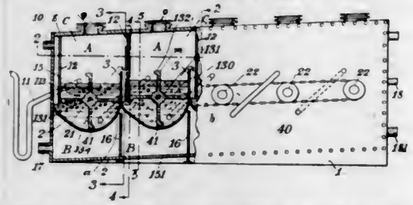
1. In an impulse translating device, a dial, means responsive to the operation of said dial for transmitting series of impulses at a speed determined by the speed of operation of said dial and of a number depending on the setting of said dial, a step-by-step switch controlled by said first series of impulses from said dial, an impulse operating device for producing two other series of impulses at a speed slower than the speed of a first series of impulses produced by the dial, means for starting said impulse operating device operative when said switch has taken one step, a second step-by-step switch controlled by one of said two series of impulses, means for stopping said impulse operating device operative when said second switch has operated the same number of times as the first switch, a delay device then operative for releasing the second switch a certain interval after it has been stopped, a third step-by-step switch controlled by a second series of impulses produced by the dial, a circuit means controlled jointly by said delay device and by said third switch when it has taken one step for again starting the impulse operating device to again operate said second switch, a circuit controlled jointly by said delay device and by said second and third switches when the second switch has operated the same number of times as the third switch for stopping said impulse operating device, and means for thereafter restoring all three switches to normal.

2,183,942
DISPLAY SIGN
Benton N. Reamer, Jersey City, N. J.
Application March 11, 1939, Serial No. 261,189
8 Claims. (Cl. 40—101)



1. A display sign having in combination a plurality of panels, supporting rods for said panels, means for moving said panels toward and away from a display opening, end plates which engage the ends of the supporting rods to prevent lateral movement of the rods and their panels, tracks carried by said end plates, said tracks cooperating with the ends of the supporting rods so as to guide the panels in their upward and downward movement, and a rigid plate against which said panels are supported in their display position.

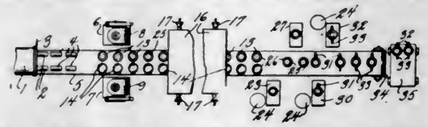
2,183,943
DEVICE FOR THE RECOVERY OF CARBON DIOXIDE GAS
Gustave T. Reich, Philadelphia, Pa.
Application December 15, 1936, Serial No. 116,041
19 Claims. (Cl. 261—93)



1. In an apparatus for treating liquid and gaseous materials in countercurrent with agitation, having a series of closed chambers, liquid sealed from each other by upwardly projecting partitions and downwardly projecting baffles, thereby maintaining the liquid level therein at a fixed level, the partitions and the baffles overlapping, a series of rotating agitators placed in said chambers, each comprising a shaft and a number of radially extending blades, each blade having a scoop shaped portion near its edge, and a perforated portion between the scoop shaped portion and the shaft of the agitator.

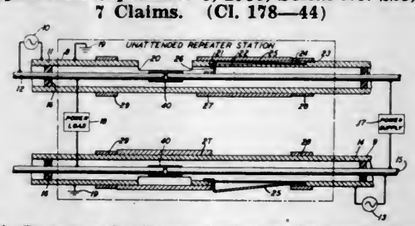
2,183,944
PROCESS OF PRODUCING POTTERY
William Salisbury, Monroeville, Ohio
Application December 7, 1936, Serial No. 114,572
3 Claims. (Cl. 25—156)

1. In a process for producing pottery, comprising pugging clay to a degree of stiffness beyond that suitable normally for jiggering thereof, simultaneously forming a portion of the pugged clay into a pair of gobs of approximate equal mass, shaping said gobs in separate molds into complemental elements of a container with rim portions on the said elements, drying said elements equally to a stage where they are mutually non-adhesive, coating the rim portion with



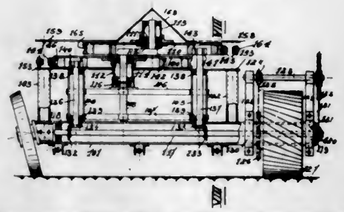
a slip, abutting said coated rim portions for effecting assembly into a container, and firing the assembly thereby uniting the complemental elements to form a container.

2,183,945
GROUNDING DEVICE FOR COAXIAL CONDUCTOR LINES
Louis R. Schreiner, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 3, 1938, Serial No. 228,349
7 Claims. (Cl. 178—44)



1. In a coaxial transmission system including a coaxial conductor having an opening comprising an inner conductor and an outer conductor having an opening and both conductors being arranged to transmit high-frequency signaling currents, a circuit including ground for establishing an equipotential condition on the outer conductor; a cover for the opening, means actuated by movement of the cover such as to expose the opening for extending the equipotential condition from the outer conductor to the inner conductor.

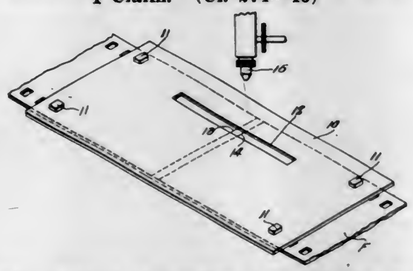
2,183,946
MACHINE FOR PULLING STANDING FLAX OR OTHER LIKE PLANTS
Maurice Alois Soenens, Bruges, Belgium, assignor to The Automatic Flax Production Units, Courtral, Belgium, a corporation of Belgium
Application July 23, 1937, Serial No. 155,207
In Belgium July 30, 1936
11 Claims. (Cl. 55—66)



8. In a machine for pulling standing flax or other like plants from the field, a frame adapted to be moved across the field, two superimposed plates mounted on said frame for rotation in opposite directions about transversely offset axes, and two continuously revolving belts arranged for cooperation with the revolving surfaces of said plates, respectively, the surfaces of each belt and its corresponding plate converging over

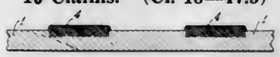
parts of their paths to form a throat for grasping the plants and traveling in elastic contact with each other over subsequent parts of their paths to pull the grasped plants from the field and transport them through the machine.

2,183,947
SOUND FILM SPLICE
Raymond S. Sumner, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1938, Serial No. 205,284
1 Claim. (Cl. 274—46)



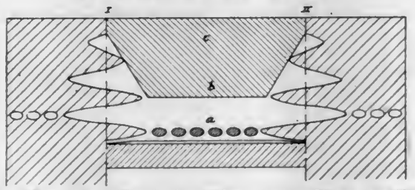
The method of treating a sound film splice for preventing undesirable noises therefrom comprising the step of spraying the sound track area with an appropriate light-obscuring medium at the splice position, and spraying the sound track area with a gradually decreasing amount of said medium over a predetermined distance in each direction therefrom.

2,183,948
ARTICLE AND METHOD OF MAKING THE SAME
Roger N. Wallach, Briarcliff Manor, N. Y., and Willard L. Morgan, Hammond, Ind., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application July 10, 1936, Serial No. 90,038
10 Claims. (Cl. 18—47.5)



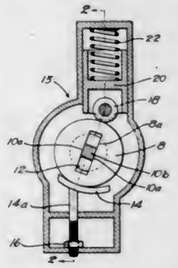
1. A process of manufacturing marked cellulosic material, which comprises applying an ink in the form of an indicium to a body composed of a cellulose derivative in the gel state, said ink having a water-miscible vehicle which is a solvent for the cellulose derivative, and converting the derivative into a cellulose hydrate.

2,183,949
LIGHT STOP FOR SOUND RECORDING
Hans Warncke, Berlin-Suedende, Germany, assignor to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany
Application August 29, 1936, Serial No. 98,479
In Germany December 12, 1935
4 Claims. (Cl. 179—100.3)



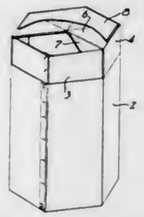
1. The electrical impulse recording method which includes varying the record track throughout one range of amplitudes in accordance with both said impulses and the volume of said impulses, and varying said track throughout another range of amplitudes only in accordance with said impulses.

2,183,950
ADJUSTABLE SLIP CAM
David V. Ackerman, Seattle, Wash.
Application May 10, 1935, Serial No. 20,740
1 Claim. (Cl. 74—568)



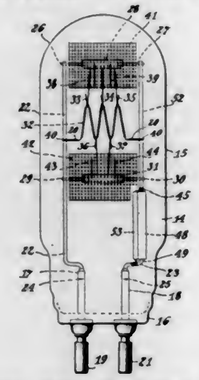
A mechanical movement consisting of a support, a member reciprocatory in said support, a circular disc having its periphery in engagement with said member and containing a diametrical slot, a rotary driving shaft in said support and having an intermediate portion of square cross section in said disc slot, guide members secured to said shaft at each side of said disc and means for shifting said disc transversely of the shaft consisting of a shoe in sliding contact with said disc periphery and means carried by said support for adjusting said shoe relative to said shaft.

2,183,951
CARTON ASSEMBLING MACHINE
Nels A. Anderson, Stockton, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application February 14, 1938, Serial No. 190,388
7 Claims. (Cl. 93—36.3)



1. A machine for assembling cartons having infolded closure tabs glued to a head blank, comprising a holder for a carton including a pressure plate for underlying the head blank and closure tabs, a second pressure plate, means for mounting the holder for movement from a setting-up position to an operative position underlying said latter plate, means for moving one of the plates toward the other in the operative position to compress the blank and tabs, means for holding the plate moving means against operation, and means actuated by movement of the carton holder into operative position for releasing said holding means.

2,183,952
FUSE LEAD CONSTRUCTION FOR ELECTRIC LAMPS
Waldemar E. Anderson, Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 13, 1938, Serial No. 207,704
18 Claims. (Cl. 176—38)



1. An electric lamp comprising an envelope, a base for said envelope, a pair of support leads extending from said base, a filament enclosed in said envelope and supported by said leads, insulating bracing means tightly fitting a portion of one of said leads, and a fuse associated with said bracing means.

2,183,953
FIRE ESCAPE DEVICE
Lucio Androsiglio, Hoboken, N. J.
Application December 20, 1938, Serial No. 246,777
14 Claims. (Cl. 227—8)



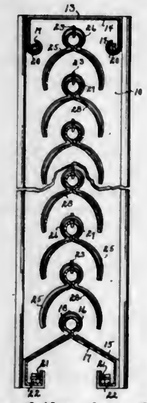
1. In a fire escape device, a ladder, an extensible section of ladder, the extensible section of ladder mounted on the said ladder, a hollow track, said track affixed to the ladder, an extensible track, said extensible track affixed at one end to the extensible ladder and adapted to slide within the hollow track when the extensible ladder is retracted or extended, a car, wheels, said wheels mounted on the car and adapted to run on the track and extensible track, a spring, said spring adapted to adjust the distance between the wheels to the diameter of the track and the extension track, a cable, said cable attached to the car, a pulley at the top of the extension ladder, the cable passing over the said pulley, a winch, the said winch adapted to wind and unwind the cable, a spacing member so adapted to brace the ladder against a building.

2,183,954
NONSKIDDING BRAKE
Anthony P. Aulicino, Brooklyn, N. Y.
Application December 9, 1938, Serial No. 244,720
2 Claims. (Cl. 188—5)



1. In a vehicle having wheel brakes and a pedal operated brake lever, jacks slidably vertically mounted adjacent the wheels of the vehicle, said jacks having shoes mounted on their lower ends normally in elevated position above the road, means for extending said jacks downward to the road level and lifting said wheels off the road by said jacks, said brake lever having a shank slidably mounted therein and a pedal on the upper end of said shank, the lower end of said shank extending through said brake lever, resilient means normally urging said pedal outward from said brake lever, a bell crank pivotally mounted on the vehicle and having the end of one arm thereof lying in the orbit of said brake lever at an arcuate distance therefrom, said brakes being locked on the wheels by moving said brake lever through an arc into a position in which said lever touches said end of said bell crank arm, said resilient means maintaining said pedal in its normal outward position on said lever during said arcuate movement of said lever, continued and increased pressure on said pedal causing said lower end of said shank to contact said crank arm end to move the latter though an arc, means connecting said crank arm with said jack extending means, said connecting means being actuated by said arcuate movement of said crank arm to extend said jacks, and means for restoring said jacks and said crank arm to normal inactive position.

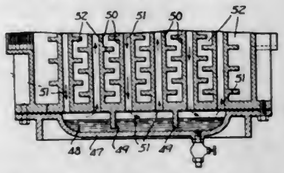
2,183,955
AUTOMATIC VENTILATOR
Leslie H. Bean, Des Moines, Iowa
Application August 29, 1938, Serial No. 227,318
3 Claims. (Cl. 98—99)



1. In a device of the class described, a frame, a plurality of shutter vanes each inverted U-

shaped in cross section and having a circular housing along its center line, a second plurality of shutter vanes each inverted U-shaped in cross section and having a bead along its center line; said bead of each of said second mentioned shutter vanes slidably engaging the circular housing of one of said first mentioned shutter vanes.

2,183,956
HEAT EXCHANGE APPARATUS
Frank O. Campbell and George W. Nigh, Bayonne, N. J.
Application May 14, 1937, Serial No. 142,556
1 Claim. (Cl. 257—245)



In a heat-exchange apparatus, a substantially rectangular unit formed in one integral piece and comprising a series of flat chambers arranged side by side, one set of alternate chambers having closed tops and bottoms but open sides, the intermediate set of chambers having closed sides but open tops and bottoms, a unitary closure wall for one side of the unit provided with recesses establishing communication between successive pairs of the first-named chambers, a unitary closure wall for the opposite side of the unit provided with recesses also establishing communication between successive pairs of said chambers, the latter recesses being staggered relative to the first-named recesses, whereby said chambers are connected in succession to define a side-to-side sinuous fluid passage; a unitary closure wall for the top of the unit provided with recesses establishing communication between successive pairs of said intermediate chambers, a bowl-shaped closure wall for the bottom of the unit, a body of liquid in said wall, projections on the unit extending down into said liquid to define liquid-sealed recesses which establish communication between successive pairs of said intermediate chambers, said liquid-sealed recesses being staggered relative to the recesses in the top closure, whereby said intermediate chambers are connected in succession to define an up-and-down sinuous fluid passage; and means for removably mounting each closure wall on said unit independently of the other closure walls, whereby independent access may be had to the chambers of either fluid passage.

2,183,957
ART OF DESENSITIZING JUICES DERIVED FROM PLANTS OF THE CASHEW FAMILY
Martha Blanchard Cayo, Germantown, Pa., assignor to Durite Plastics, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application October 23, 1937, Serial No. 170,705
13 Claims. (Cl. 134—56)

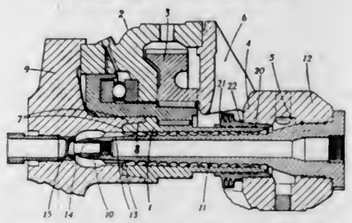
1. The method of desensitizing the juices or liquids of the cashew family such as the shell liquid of the cashew nut, which consists in mixing the juices or liquids to be desensitized with a protein selected from the group consisting of egg and blood albumin, fibroin, keratin and gelatine, allowing the mixture to stand for a time sufficient to produce substantial desensitization and finally removing the residues of the protein from the mixture.

12. As a composition of matter, the reaction product of the juices or liquids of the plants of the cashew family with a relatively small quantity of a protein which has been moistened with a hydrolizing agent for the protein, said reaction product being substantially devoid of the tendency to produce dermatitis.

2,183,958
ART OF DESENSITIZING JUICES DERIVED FROM PLANTS OF THE CASHEW FAMILY
Martha Blanchard Cayo, Germantown, Pa., assignor to Durite Plastics, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application October 23, 1937, Serial No. 170,706
9 Claims. (Cl. 134—56)

1. The method of desensitizing the juices or liquids of the plants of the cashew family such as the shell liquids of the cashew nut, which consists in heating the juices or liquids to be desensitized with an amide selected from the group consisting of acetamide, benzamide, carbamide, biuret, formamide, oxamide and succinamide.

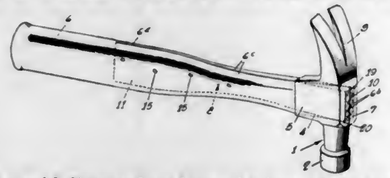
2,183,959
METAL EXTRUSION MACHINE
Percy Dunsheath, Sidcup, England, assignor to Henley Extrusion Machine Company Limited, London, England, a British company
Application June 14, 1938, Serial No. 213,617
In Great Britain June 25, 1937
10 Claims. (Cl. 207—2)



1. In a metal extrusion machine having a screw thread impelling device consisting of an inner member and of a rotatably driven outer member, a feed chamber for the supply of molten metal to said device, and a sealing gland for preventing the escape of molten metal between the wall of said chamber and said rotatably driven outer member, a pair of thermal barriers interposed, one on each side of said sealing gland, in the path by which heat is transmitted from the wall of the said feed chamber through said gland to the said rotatably driven outer member.

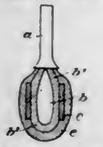
2,183,960
HAND TOOL
Albin R. Erickson, Los Angeles, Calif.
Application December 21, 1937, Serial No. 180,960
2 Claims. (Cl. 306—32)

1. In a hand tool, a tool head having an eye formed therein, a handle member insertable in said eye, means for securing said handle member to said tool head comprising a securing plate having one of its ends of greater width than the longer axis of said eye to conform with the width of the handle member and having a width at its opposite end substantially equal to one of the transverse diagonals of the eye and with a reduced width between said ends whereby said plate may be inserted in said eye from the rear thereof



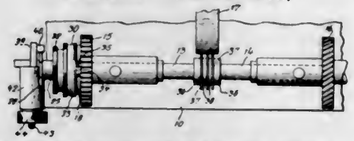
along said diagonal and may be turned to parallel the longer transverse axis of said eye, and means for securing said plate to said handle member.

2,183,961
METHOD OF MANUFACTURING MULTI-LAYER HOLLOW GLASS BODIES
Hellmuth Fischer, Ilmenau, Germany
Application November 3, 1936, Serial No. 108,957
In Germany February 20, 1936
2 Claims. (Cl. 49—83)



2. The method herein described of forming a stratified glass tube with conservation of the glass of one stratum, which consists in blowing within a tubular blank of the glass to be conserved a gather of glass of the inner stratum and in so doing forming a blank that is double-walled intermediately, between its two single-walled ends, bringing the blank to uniform plastic condition and drawing it to a tube while subject to pneumatic tension from within and simultaneously imposing upon the end portions of the blank restraint against response to such internal tension, and finally removing the end portions.

2,183,962
OFF-CENTERING DEVICE FOR LENS GRINDING MACHINES
Emil Grasser, Brooklyn, N. Y.
Application May 15, 1939, Serial No. 273,703
8 Claims. (Cl. 51—101)



1. In a lens grinding machine having a pair of spaced-apart axially-aligned shafts provided with lens-clamping means on their mutually adjacent ends, and the other end of one of said shafts having a hub loosely mounted thereon and provided with means for securing a former thereon, and means for moving said hub radially with respect to the axis of said shafts.

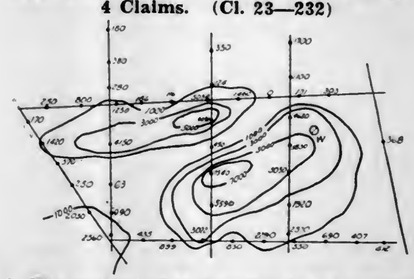
2,183,963
HAIR NET
Sidney Henry, New York, N. Y.
Application March 7, 1939, Serial No. 260,308
6 Claims. (Cl. 132—49)

3. A hair net comprising a body portion having a mesh formation around its marginal edge, and a draw string extending from adjacent one end thereof into an end of a portion of said mesh and interwoven therewith in one direction to the opposite end of said portion, the string being then looped and returned in the opposite direction through the mesh to the first named



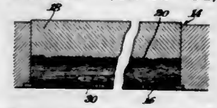
end of said portion, and there looped again and extended through the mesh in the first named direction, the other end of said string projecting from the mesh at said opposite end of the mesh portion and combining with the first named end of the string to provide a tying means.

2,183,964
METHOD OF EXPLORATION FOR BURIED DEPOSITS
Leo Horvitz, Houston, Tex., assignor to Esme E. Rosaire, Houston, Tex.
Application July 31, 1937, Serial No. 156,670
4 Claims. (Cl. 23—232)



1. The method of exploration for carboniferous deposits which comprises the steps of taking samples of soil at or near the surface, treating said samples to evolve in gaseous form constituents entrained therein in normally non-gaseous form and which are due to leakage from said deposits, subjecting the evolved gases to analysis, and determining the amount and presence of hydrogen as an indication of proximity of the respective samples to the sought deposits.

2,183,965
METHOD OF MAKING SHINGLES
John W. Ledeboer, Ambler, Pa., assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania
Application March 9, 1937, Serial No. 129,784
1 Claim. (Cl. 92—54)



A process for producing shingles comprising providing a large plastic slab or sheet of a size

including a number of shingle blanks and composed of a number of thin laminations of fiber-Portland cement composition containing excess water and having its fibers lying in the planes of the laminations, placing said slab or sheet with one face on a pervious screen adapted for the escape of water under pressure, pressing the other face of said sheet or slab by an impervious die face having a series of rounded ridges thereon imitating wood graining or the like and of greater depth than the thickness of any of said laminations, compressing the slab or sheet to less thickness transversely of the laminations and causing the surface laminations in contact with said impervious die face to shift or flow laterally under the action of said die to an undulating surface contour without discontinuity of any of the laminations at any point, simultaneously with said pressure forcing the escape of water transversely through said sheet and said pervious die face, and then subdividing the pressed slab or sheet longitudinally and transversely into a plurality of shingles with each shingle from the same slab or sheet having different patterns of rounded ridges thereon.

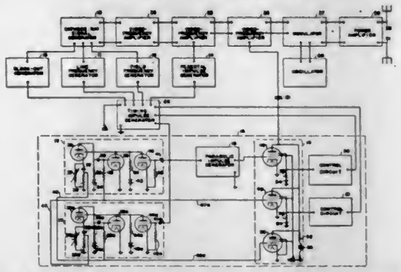
2,183,966

PERIODIC WAVE-GENERATING SYSTEM

Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application December 22, 1937, Serial No. 181,129

9 Claims. (Cl. 250—36)



1. A periodic wave-generating system, comprising a generator for generating a first periodic wave of a predetermined frequency, a separate generator for independently generating a second periodic wave of said predetermined frequency, a synchronizing circuit adapted for the reception of a synchronizing wave of double said predetermined frequency and coupled directly to each of said generators for synchronizing their respective operations, and means for ensuring selective synchronization of said two generators by successive cycles of said synchronizing wave comprising a direct connection between said generators for controlling the operation of one in accordance with the operation of the other.

2,183,967

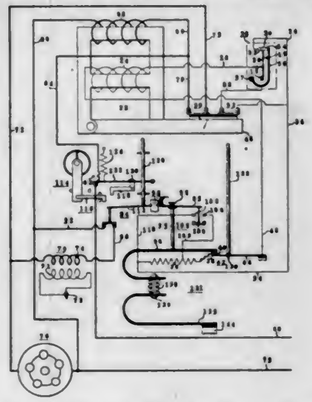
CONTROL APPARATUS

John T. Marvin, Dayton, and Eldon D. Raney, Columbus, Ohio, assignors to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio

Application November 10, 1937, Serial No. 173,882

6 Claims. (Cl. 158—28)

1. A control system for a fuel burning device comprising electrically operated means for starting said device; a normally closed time delay switch in circuit with the said means; electrically heated thermal means adapted to control the operation of said swtich, said thermal means being energized simultaneously with the starting of said fuel burning device; means operated by the electrically heated thermal means, after a predetermined period of heating thereof, for modifying the heating effect of said thermal



means; and means operated by the electrically operated means when the same is deenergized, for opening the time delay switch for causing a delay between successive energizations of the electrically operated means, the duration of said delay being governed by the cooling of said thermal means to cause said switch to close.

2,183,968

PROCESS OF TREATING OIL

Thomas F. McCormick, Oakland, and Arthur Lazar, Berkeley, Calif., assignors, by mesne assignments, to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware

Application December 27, 1935, Serial No. 56,398

Renewed April 13, 1939

13 Claims. (Cl. 260—609)

1. A process of recovering mercaptans from hydrocarbon distillates which comprises treating a hydrocarbon distillate containing mercaptans, H_2S, and other acidic compounds with a caustic soda solution at a temperature between the freezing point of the solution and 300° F. sufficiently high to selectively remove substantially all said acidic compounds of a greater acidity than said mercaptans so that said mercaptans remain dissolved in said distillate, treating the distillate with further caustic soda solution while at a lower temperature between the freezing point of the solution and about 60° F. sufficiently low for said solution to absorb the greater portion of said mercaptans, then freeing said mercaptans from said solution.

2,183,969

PROCESS FOR STRETCHING SHEET METAL

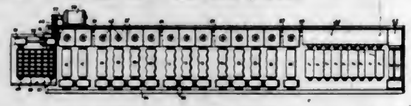
Elsmere W. McKinney, Cleveland, Ohio, assignor to The McKinney Tool and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application October 10, 1936, Serial No. 105,053

13 Claims. (Cl. 153—54)

1. The process of stretching sheet metal which comprises corrugating the sheet metal longitudinally of its length, bending the corrugated sheet

metal laterally of the corrugations, de-corrugating the sheet metal, and straightening the sheet metal to form the finished piece.



10. The process of reclaiming deformed sheet metal which comprises passing the sheet metal through corrugated rolls of different elevations, passing the corrugated sheet metal through decorrugating rolls of different elevations, and passing the sheet metal through straight rolls to form the reclaimed piece.

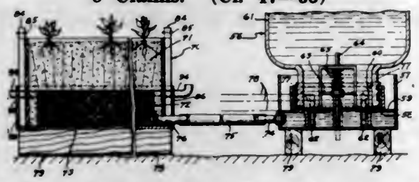
2,183,970

SOIL MOISTENING DEVICE

Hugo Meissl, Oakville, Conn.

Application February 6, 1937, Serial No. 124,432

8 Claims. (Cl. 47—38)



1. In a soil moistening device, a box of soil for the growth of plants, a trough in the lower portion of said box, means for supplying water to said trough, and wick material in said trough and in contact with the soil for the spreading and feeding of said water to the soil.

2,183,971

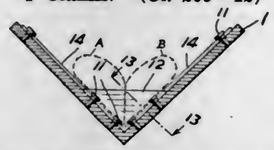
CONCENTRATING TROUGH

Bianca Adams Miller, Ardmore, Pa.

Application June 1, 1936, Serial No. 82,769

Renewed July 22, 1939

4 Claims. (Cl. 209—12)



1. An apparatus for separating valuable metals from gangue comprising a sluice having downwardly converging side walls, a collecting medium having an affinity for the metal to be collected supported by said side walls, and baffling means in the bottom of said sluice constructed and arranged to cooperate with the converging walls of the sluice to cause the liquid medium suspending the gangue to move through the sluice in a series of vortices having axes parallel to the general direction of extension of the sluice, and peripheries tangential to the collecting medium supported by the side walls.

2,183,972

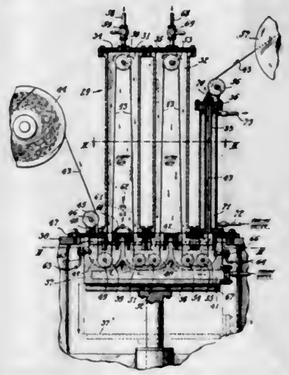
LAMP MANUFACTURE

John H. Ramage, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 9, 1937, Serial No. 119,763

3 Claims. (Cl. 176—7)

3. The method of treating metal wire comprising heating to elevated temperature in flowing hydrogen and, while still heated, subjecting it to



flowing nitrogen in order to replace the hydrogen absorbed therein by nitrogen, and subsequently cooling said wire in nitrogen.

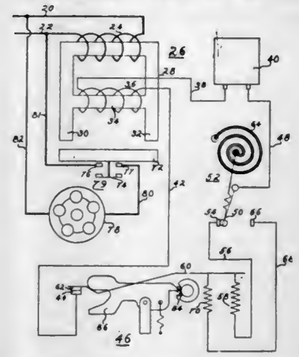
2,183,973

CONTROL APPARATUS

Estel C. Raney, Columbus, Ohio, assignor to Ranco, Incorporated, Columbus, Ohio, a corporation of Ohio

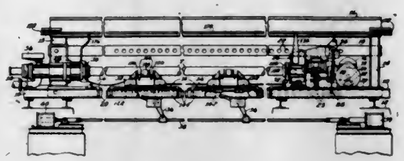
Application December 18, 1936, Serial No. 116,633

5 Claims. (Cl. 158—28)



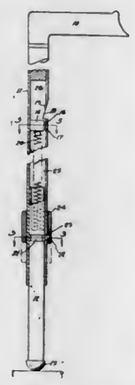
1. A fuel burning system comprising in combination, a fuel feeding device, an electrically operated switch for controlling said device, control means adapted to operate at a predetermined temperature to deenergize said device, a plurality of electrically operated heating means thermally associated with the control means, each heating means adapted to be connected in series with said electrically operated switch, one of said heating means when operative adapted to heat the control means to a temperature less than said predetermined temperature, another of said heating means being adapted to heat the control means to said predetermined temperature, and means responsive to a condition of combustion for connecting one of said heating means in series with the electrically operated switch and disconnecting the other of said heating means and responsive to a change in said combustion condition for disconnecting the said one heating means and connecting the said other heating means in series with the electric operated switch.

2,183,974
APPARATUS FOR TESTING TUBULAR MEMBERS
Charles A. Richardson, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 8, 1937, Serial No. 135,741
13 Claims. (Cl. 73—51)



2. Pipe testing apparatus comprising means for sealing against the ends of a pipe, means for supplying fluid under pressure to the interior of the pipe, means for clamping against the sides of the pipe, means for distributing the clamping means along the sides of the pipe and operable by the position of the sealing means, a prime mover, mechanical means connecting the prime mover and all the clamping means and adapted to operate the clamping means regardless of their position, and means for ejecting the pipe from the clamping means when they are opened.

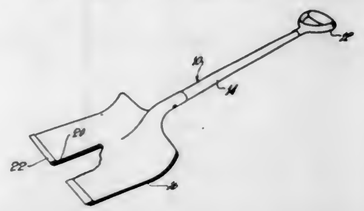
2,183,975
CANE
Robert H. Savage, Salem, Oreg.
Application October 4, 1938, Serial No. 233,260
2 Claims. (Cl. 135—47)



1. The combination of a walking cane having a whistle incorporated therein, an air pump forming a part of said cane, a ground engaging tip for said cane adapted to operate said pump when said tip is pressed against the ground and means for selectively rendering said tip inoperative.

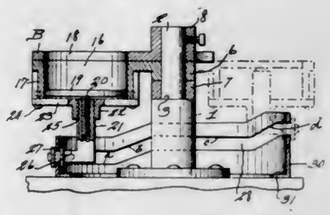
2,183,976
SHOVEL
Robert A. Smith, Mahwah, N. J.
Application February 28, 1939, Serial No. 258,885
13 Claims. (Cl. 294—54)

1. A shovel comprising a scoop and an outer substantially durable layer of non-metallic material from the class consisting of rubber and the synthetic plastics, affixed to the work-engaging



face of said scoop, said material having low adhesion for moist snow.

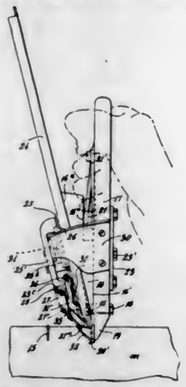
2,183,977
MOLDING APPARATUS
Carl Sopchack, New Kensington, Pa.
Application May 16, 1939, Serial No. 273,995
3 Claims. (Cl. 107—8)



1. An apparatus for molding food patties comprising an upstanding post, a stationary table mounted on said post, said table having an opening, a second table underlying the stationary table and rotatably engaged with the post, said second table having an opening for register with the opening in the first table, a flange depending from the second table and defining the opening therein to provide a molding chamber, a pressure head within the molding chamber, means carried by the second table for rotating the same about the post, means operatively engaged with the pressure head for moving the pressure head upwardly within the molding chamber when the second table is turned in one direction, said second table comprising two separable members, releasable coacting means carried by said members for connecting the same for unitary rotation about the post, one of said members being provided with an opening, and means carried by the second member for contact with the first table for holding said member against movement with the first member when said second member underlies and closes the opening in the first table.

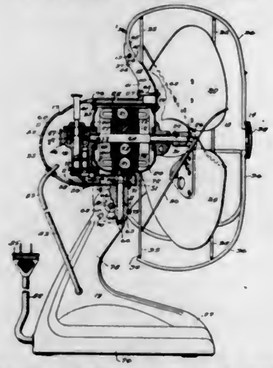
2,183,978
METHOD OF AND MEANS FOR STAPLING
Wendell L. Sorenson, Brooklyn, N. Y., assignor to Elvira J. Sorenson, Brooklyn, N. Y.
Application July 22, 1938, Serial No. 220,613
18 Claims. (Cl. 1—49)

1. A method of stapling material, which comprises providing a staple clip including a series of staples adhered together in contiguous sidewise and longitudinal racked relation with the leg connecting portions of the staples spaced from each other, positioning the staple clip with the legs of the forward staple embracing the material to be stapled, then simultaneously causing the legs of said staple to pierce the material and separate the staple from the staple clip and



in continuous sequence clenching the staple legs to the material.

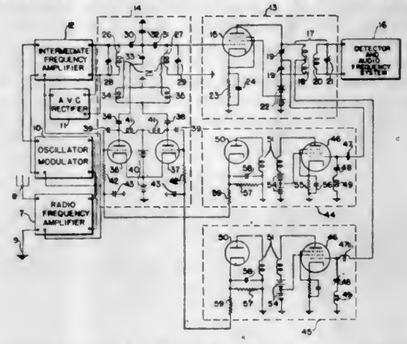
2,183,979
OSCILLATING FAN
Torsten H. Tornberg, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1937, Serial No. 149,142
6 Claims. (Cl. 230—256)



1. A fan comprising a driving motor, means operatively associated with the driving motor for oscillating said motor, a plurality of guard arms, means for attaching said guard arms to the motor, a cover for the oscillating means and means for removably attaching said cover to said guard arms.

2,183,980
SIGNAL-SELECTING SYSTEM
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application January 28, 1936, Serial No. 61,148
19 Claims. (Cl. 250—20)

1. An electric circuit arrangement for controlling the selectivity of a modulated-carrier signal receiver to discriminate against undesired frequencies near the desired signal carrier frequency and at one side thereof and including a band-pass selector adapted to pass the desired carrier frequency and its modulation sidebands, comprising means responsive to said undesired frequencies for deriving a control effect, means for automatically adjusting said selector to control the width of the modulation sideband passed by said selector, at the same side of said desired signal carrier as said undesired frequencies and



independently of the width of the other sideband passed thereby, and means for applying said control effect to said adjusting means to effect said adjustment inversely in accordance with the amplitude of said undesired frequencies and independently of the width of the other sideband passed thereby.

2,183,981
METHOD AND MATERIAL FOR TREATING FRUIT
William W. Bennett, Alhambra, Calif.
No Drawing. Application January 10, 1938, Serial No. 184,246
11 Claims. (Cl. 99—168)

1. In the process of preparing a mineral oil compound for use as described, the steps of: combining approximately 4½ parts by weight of acidulated animal fat and 25 parts by weight of acidulated vegetable fat, said acidulated fats being complex mixtures of free fatty acids with mono-, di- and tri-glycerides; heating the combined fats for a period of approximately four hours to bring the temperature of the fats to 360° F. at the end of the heating period, and agitating said fats at intervals during the heating period; adding a mineral oil to the mixed fats in the heated condition in the proportion of one part by volume of the fats to two parts by volume of the mineral oil thereby forming a pyrolyzed vegetable oil-mineral oil compound.

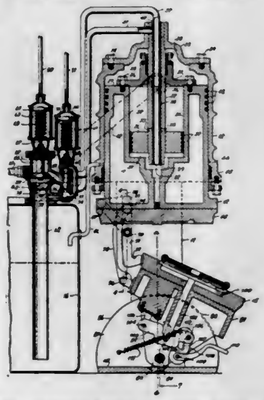
8. A pyrolyzed animal-vegetable acid fat comprising free fatty acids with mono-, di-, and tri-glycerides, said free fatty acids being mixtures of animal and vegetable fatty acids and comprising approximately 11% of the pyrolyzed fat, said di- and tri-glycerides being mixed glycerides of animal and vegetable fatty acids.

2,183,982
MANUFACTURE OF MIXED ESTERS OF CELLULOSE CONTAINING DICARBOXYLIC ACID GROUPS
Loring W. Blanchard, Jr., and Carlton L. Crane, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 30, 1938, Serial No. 222,302
6 Claims. (Cl. 260—225)

1. A process for preparing mixed esters of cellu-

lose containing dicarboxylic acid radicals and lower fatty acid radicals which comprises reacting upon a lower fatty acid ester of cellulose with a bath essentially consisting of a dicarboxylic acid compound selected from the group consisting of the dicarboxylic acids and their anhydrides, an inert solvent for the mixed ester produced and 2–50% of water, based on the weight of the cellulose ester employed as the starting material, the water being additional to the 2–7% of moisture usually present in a lower fatty acid ester of cellulose, the bath being free from esterification catalysts and tertiary organic bases.

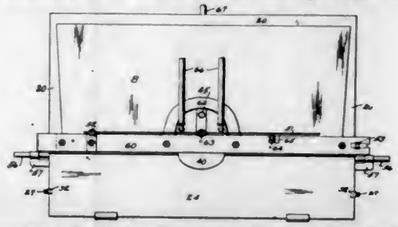
2,183,983
PRESS
Henry C. Bostwick, Akron, Ohio, assignor to Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application May 8, 1936, Serial No. 78,689
Renewed October 10, 1939
10 Claims. (Cl. 18—16)



6. A press comprising in combination, a frame having cam slots therein, an upper reciprocating pressing member, a lower tiltable pressing member, means for moving the tilting member into pressing position during the initial movement of the reciprocating member, said last named means comprising a plate pivotally mounted on the reciprocating member, a link pivotally mounted on the tiltable member, and studs carried by the plate and link respectively and received and guided by the cam slots in said frame, fluid operated means for exerting force upon the reciprocating member to initiate its movement including a pair of valves, and mechanism operable automatically by the movement of the reciprocating member to actuate said valves in a manner to increase the force that is exerted upon the reciprocating member during the time that the molding members are exerting pressure against the article to be formed.

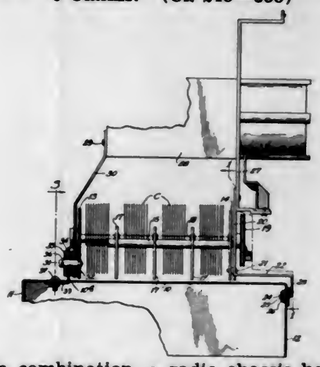
2,183,984
PROCESS AND APPARATUS FOR A FORMED MAT
Hugh S. Campbell, Youngstown, Ohio, assignor to The Republic Rubber Company, Youngstown, Ohio, a corporation of Ohio
Application November 8, 1935, Serial No. 48,892
6 Claims. (Cl. 18—19)

1. In a method of contouring elastic thermally moldable sheet material wherein the sheet is bulged but with resultant gather of excess material in the sheet in and adjacent the bulged portion, and, by the application of heat to the bulged portion, the bulge is rendered permanent, the steps of stretching a portion of the sheet of material in and adjacent the portion to be



permanently bulged preparatory to the bulging operation, and bulging the last mentioned portion of the sheet of material while maintaining said prestretched portion in stretched position, whereby stock which normally would gather as excess in the bulged sheet is reduced.

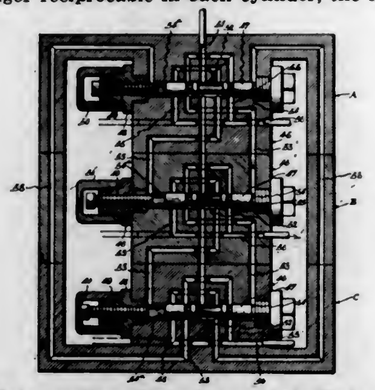
2,183,985
MOUNTING FOR RADIO CONDENSERS
Jesse H. Clark, Chicago, Ill., assignor to Wells-Gardner & Company, Chicago, Ill., a corporation of Illinois
Application October 4, 1937, Serial No. 167,225
6 Claims. (Cl. 248—358)



1. In combination, a radio chassis having top and side portions, a gang condenser frame, three and only three points of attachment between the condenser frame and chassis, two of said points of attachment being on the side portion, rubber pads at the three points of attachment between the frame and chassis, the other point of attachment being at the top and comprising a lug having an opening in which lies one of the rubber pads, a pin carried by the condenser frame and extending through the last mentioned rubber pad, and means for attaching the lug to the top portion of the chassis whereby the condenser frame has lateral stability provided by the horizontal rubber pads on the side of the chassis and freedom from torsion due to the pin at the top.

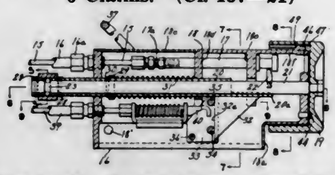
2,183,986
FORCE FEED LUBRICATOR
Elmer O. Corey, Norwood, Ohio, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application March 16, 1937, Serial No. 131,208
3 Claims. (Cl. 184—7)

1. A lubricator for forcibly delivering lubricant to a plurality of points supplied under pressure from a single feed line, comprising, three or more cylinders, a duct for supplying lubricant under pressure connecting at an intermediate point with each of the cylinders providing a common supply to all of the cylinders, an outlet passage for each cylinder, a set of passageways for each cylinder connecting an intermediate portion thereof and relatively at opposite sides of the supply duct respectively with the opposite ends of another cylinder, each to supply to and discharge from an end of a cylinder and for the series of cylinders relatively connecting a first cylinder with a second, the second with a third, and the last of the series with the first, and for seriatim control of plungers, one respectively reciprocable in each cylinder, a plunger reciprocable in each cylinder, the inter-



mediate portion thereof arranged that when positioned at one end of a stroke it connects one of the said passageways with the supply duct through one cylinder to one end of another cylinder, and the other of said passageways with the outlet passage of one cylinder and opposite end of the other cylinder, and vice versa when the plunger is positioned at the end of a reverse stroke, the arrangement providing for a forcible discharge of lubricant from end of one cylinder, effected by its moving plunger, through the outlet passage controlled by the plunger in another cylinder, the lubricant having previously been admitted into the end of the cylinder under pressure from the supply duct for moving the plunger and thence holding the plunger against movement under pressure while serving for the control of a plunger in another cylinder.

2,183,987
VALVE OPERATING MECHANISM FOR TANK VEHICLES
Joseph H. De Frees, Warren, Pa., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa., a corporation of Pennsylvania
Application February 7, 1938, Serial No. 189,094
6 Claims. (Cl. 137—21)



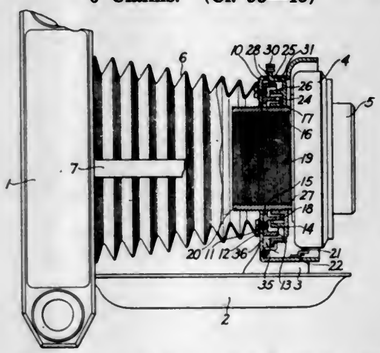
5. In a tank vehicle having a plurality of compartments and an outlet for each compartment, a valve for each outlet, control mechanism for said valves comprising an actuator for each valve, said actuators lying in a common plane and being grouped in a small circle, selector means having a part movable in an arc for selecting and engaging one of said actuators, said selector means being movable normal to the plane of said circle for causing valve opening movement of the selected actuator, a part engageable with a portion of said selector means and movable normal to the plane of said circle to so move said selector means, and said part being movable to an over-center position for holding said selector means in valve-opening position.

2,183,988
ICE CREEPER
Charles J. Derwing, Albany, N. Y.
Application July 14, 1938, Serial No. 219,117
6 Claims. (Cl. 36—62)



1. In a device of the character described, two clamping elements each having a portion engageable with the heel and shank of a shoe or the like said portion being provided with a member positioned to engage the front of the heel of said shoe thereby preventing movement of said clamping element rearwardly, respective elements engaging opposite sides of the shoe, and a helical spring connecting said elements to retain the same in engagement with the shoe, said elements being provided with downwardly extending ice engaging teeth.

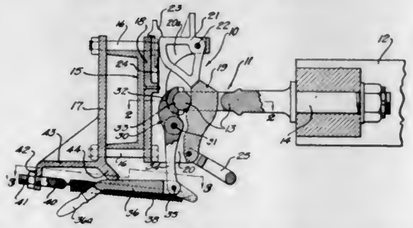
2,183,989
AIR VENT FOR FOLDING CAMERAS
Henry O. Drotning, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 13, 1938, Serial No. 229,722
6 Claims. (Cl. 95—45)



1. In a photographic camera having a bellows, and a shutter and lens movable as a unit relative to said bellows for focusing, the combination of an annular member fixed to the forward end of said bellows, baffles extending axially from one face of said annular member and spaced radially thereof from one another, a focusing sleeve car-

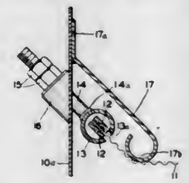
rying said shutter and lens unit extending axially through said annular member and being proportioned relative to the opening in said annular member so that an air space connecting the interior of the bellows remains therebetween, a focusing ring rotatably mounted relative to said annular member and connected to said focusing sleeve so that rotation thereof serves to move said focusing sleeve axially for focusing, and baffles extending axially from the face of said focusing ring, and spaced radially thereof to interlock with the baffles on said annular member to form a tortuous air passage of which said air space is a part between the interior and exterior of the bellows.

2,183,990
COUPLING APPARATUS
Fred P. Dunn, Glendale, Calif., assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif., a corporation of California
Application October 29, 1937, Serial No. 171,742
9 Claims. (Cl. 280—33.15)



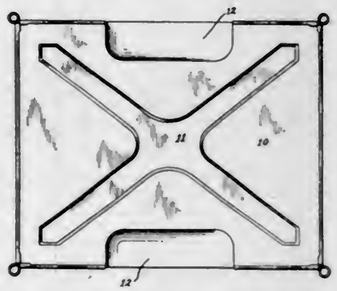
4. In combination, a draft coupling between a leading vehicle and a trailing vehicle embodying two engageable and disengageable coupler members, one on each of the vehicles, said members under given conditions of engagement having a capacity for relative movement in the direction of the line of draft whereby limited over-running movement of the trailer is possible, pressure means movable from inactive relation into active relation with the coupler members after the members are in coupled relationship, said pressure means being in inactive relation while the coupling members are being coupled and, when in active relation, being adapted to hold said members against such relative movement with an effective force preventing trailer-over-run under normal running conditions, and means for moving the pressure means into active pressure-applying relation after the coupler elements are engaged in coupled relationship.

2,183,991
VIBRATOR SCREEN SUPPORT
James Hasman, Independence, Ohio, assignor to The Federal Foundry Supply Company, Cleveland, Ohio, a corporation of Ohio
Application November 25, 1938, Serial No. 242,225
3 Claims. (Cl. 209—403)



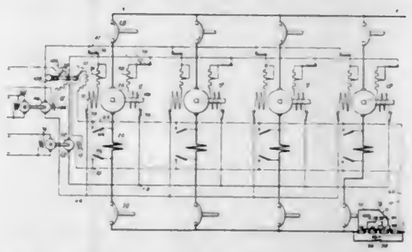
1. A vibrator screen support comprising a screen within a frame, resilient metal strips supported by said frame, one strip along each of opposite side edges of said screen, each strip engaging said screen from end to end and inwardly from the side edges of said screen, and means for exerting an evenly distributed lateral pull along the side edges of said screen in a direction to pull said screen against said strips.

2,183,992
LETTER TRAY
Thomas Hearn, Ludlow, Ky., and Grosvenor S. McKee, Cincinnati, Ohio, assignors to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application December 20, 1937, Serial No. 180,782
1 Claim. (Cl. 206—73)



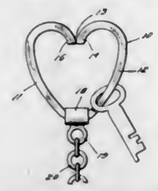
A letter tray having a bottom and four sides, said bottom being provided with an X-shaped depressed area in the paper-supporting region, said area being small relative to the area of the bottom, but said area extending substantially to the edges of the bottom, and depressed portions along two opposite margins thereof, the side walls adjacent said depressed marginal bottom portions being cut away to provide finger access to papers in said tray.

2,183,993
OPERATION OF DYNAMO-ELECTRIC MACHINES
Alonzo F. Kenyon, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1939, Serial No. 252,921
19 Claims. (Cl. 171—224)



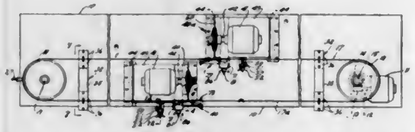
1. In a control system for a plurality of generators having their armatures connected in parallel to a common load, means providing a main excitation for the generators, means providing an auxiliary cumulative excitation for the generators proportional to the total load on the plurality of generators, means for simultaneously varying the main and auxiliary cumulative excitations, and means providing an auxiliary differential excitation for each of the generators proportional to its load.

2,183,994
KEY HOLDER
Albert W. Lindquist, Edgewood, R. I., assignor to Freeman Doughaday Company, a corporation of Rhode Island
Application December 27, 1938, Serial No. 247,853
2 Claims. (Cl. 70—458)



1. In a key holder, an integral, one-piece heart-shaped base having two arms spaced to provide an opening and resiliently urged towards each other, the arms having their ends extending towards each other to form a key-guide passage, and then towards the opening and into close adjacency to form a closure for said opening, said arms being integrally connected by a narrow, straight, horizontal portion with shoulders, and a connecting member having an end loop interlocked to said horizontal portion.

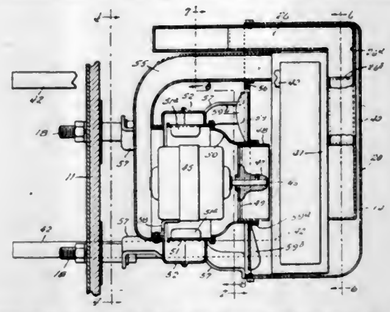
2,183,995
KNIFE GRINDING MACHINE
Ferdinand L. Mautz, Inglewood, Calif., assignor to William Walter Hartman, Los Angeles, Calif.
Application June 18, 1938, Serial No. 214,478
17 Claims. (Cl. 51—74)



16. In a machine for grinding the cutting edge of a flexible band blade, the combination of means for tensioning and longitudinally driving a length of the blade, a rotatable grinding wheel having a peripheral portion presented toward but slightly spaced from one side of the blade and travelling transversely of the length of the blade, and yielding blade deflecting means engaging the side of the blade opposite the grinding wheel for rotating a portion of the blade about an axis located rearwardly of its cutting edge and thereby laterally deflecting the cutting edge of the blade sufficiently to bear on the periphery of the grinding wheel.

2,183,996
HEATING AND VENTILATING SYSTEM
Edward L. Mayo, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 13, 1937, Serial No. 179,447
6 Claims. (Cl. 257—137)

6. In a heater for the passenger compartment of an automobile, a radiator, two conduits leading from said radiator to deliver warm air therefrom into said passenger compartment, and a supplemental duct applied to said radiator to



deliver air from outside said compartment to said radiator in alignment with one of said conduits.

2,183,997
AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 20, 1937, Serial No. 126,887
21 Claims. (Cl. 8—50)

15. A process of coloring an organic derivative of cellulose which comprises applying thereto a dye selected from the class of azo compounds consisting of the nuclear non-sulfonated aryl azo derivatives of a 1,3-cyclohexadione having an alkyl group in its 5-position.

2,183,998
AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 16, 1938, Serial No. 225,199
18 Claims. (Cl. 8—50)

1. The azo dye compounds containing an aryl nucleus selected from the group consisting of an aryl nucleus of the benzene series and an aryl nucleus of the naphthalene series which said aryl nucleus has a member selected from the group consisting of a phosphoric acid ester group and a thiophosphoric acid ester group attached to an aliphatic radical containing at least two carbon atoms which is joined to said aryl nucleus through an oxygen atom which is a nuclear substituent of the aryl nucleus.

2,183,999
AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 5, 1938, Serial No. 233,478
18 Claims. (Cl. 8—50)

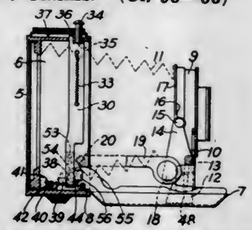
1. The azo dye compounds having the general formula:

$$R—N=N—R_4$$

wherein R represents the residue of a member

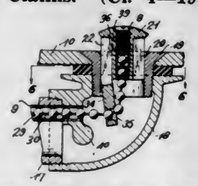
selected from the group consisting of an aryl nucleus of the benzene series and a benzothiazole nucleus and R_4 represents the residue of a member selected from the group consisting of a 1-amino-5-hydroxynaphthalene nucleus and a 1-amino-5-oxygen-alkylnaphthalene nucleus and in which said member contains a tetrahydrofuryl group attached to the nitrogen atom of the amino group in the 1-position through the carbon atom in the 2-position by means of a saturated straight chain hydrocarbon radical.

2,184,000
SHUTTER ACTUATING MECHANISM FOR FOLDING CAMERAS
August Nagel, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 15, 1938, Serial No. 213,866
In Germany August 4, 1937
7 Claims. (Cl. 95—53)



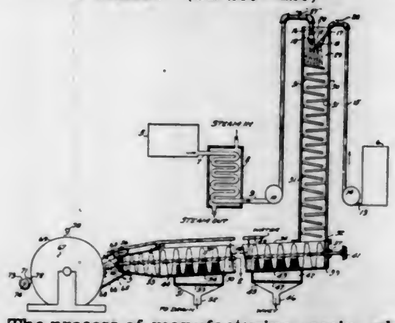
1. In a photographic camera, the combination with a camera body, a bed hinged to said camera body and movable to closed and open positions, a shutter assembly adjacent said bed including a trigger and movable to folded and picture-taking positions, means on said bed for releasably locking said shutter assembly in its picture-taking position, a shutter release mounted on the camera body to move between a normal extended position, wherein it is inoperative, and a retracted position, wherein it is operative, suitable means operably connecting said release and said trigger when the camera parts are in picture-taking position, of a stop means on said camera bed adapted to automatically engage and hold the shutter release in its extended position when the camera bed is moved from its picture-taking position.

2,184,001
WASTE CONTROL
Gunnar B. Nystrom, Cleveland Heights, Ohio, assignor to The Republic Brass Company, Cleveland, Ohio, a corporation of Ohio
Application June 27, 1939, Serial No. 281,422
5 Claims. (Cl. 4—199)



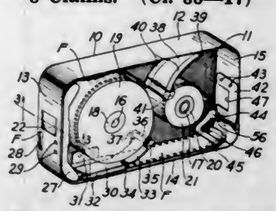
1. In a pop-up waste control, a vertically movable stopper having a vertical threaded opening therethrough, a screw plug threadably mounted within said stopper opening, said plug having means at its lower extremity to receive sidewise an enlarged end of a flexible cable, and said plug having a tool socket in its upper face, whereby the plug may be withdrawn into the stopper opening and separation of the plug and flexible connection prevented.

2,184,002
PROCESS FOR THE MANUFACTURE OF CASEIN
Lawrence C. Pagel, Madison, Wis.
Application August 29, 1938, Serial No. 227,320
5 Claims. (Cl. 260—120)



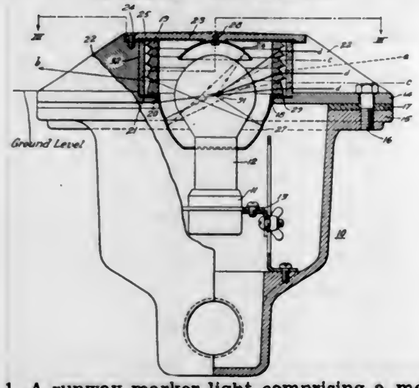
1. The process of manufacturing casein, which consists in intimately and continuously mixing an atomized spray of warm skim milk with an atomized spray of a mineral acid, to obtain a fast and substantially complete curd precipitation, suspending the curd in its whey in a defined path of gravitational flow to obtain a curd of substantially uniform acid concentration, immediately separating the curd from its whey, washing the curd substantially free of all soluble salts, whey and excess acid in three separate wash waters and then dewatering the curd and drying the same.

2,184,003
FILM CONTROL MEMBER FOR A FILM MAGAZINE
J Henry S. Parker and Donald H. Stewart, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 3, 1938, Serial No. 193,696
8 Claims. (Cl. 88—17)



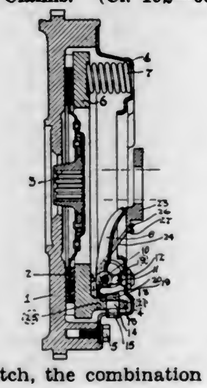
2. In a film magazine, the combination with a casing having a side wall and top, bottom, front, and rear edge walls, a film gate including a backing member for supporting the film across an exposure opening in the front edge wall of said casing, and a film take-up roll rotatably mounted in the rear portion of said casing, of a film engaging portion located beyond said film roll on the opposite side of said film gate for contacting the film strip at the apex of the acute angle path formed by the film in its passage from said film gate to said take-up roll, and a support for said film engaging portion mounted in said magazine and which resiliently urges said film engaging portion to exert more effort longitudinally of the film extending from said film gate than along the film tangential to said take-up roll.

2,184,004
RUNWAY MARKER LIGHT
Willis A. Pennow, Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1937, Serial No. 139,917
14 Claims. (Cl. 240—1.2)



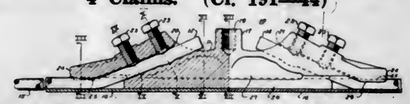
1. A runway marker light comprising a metal housing adapted to be mounted below the runway surface, a main metal cover member for the housing secured to the upper edge thereof by means of a fluid-tight joint, said cover member having a central opening therein and a plurality of spaced upstanding members surrounding the opening and extending radially therefrom, a lamp mounted within the housing and extending upwardly through the central opening in the cover member, a prismatic lens disposed in surrounding relation to the lamp and supported by the cover member over said opening, a plain lens surrounding the prismatic lens and supported by the cover member, and a metal cover plate for the lens detachably secured to the spaced upstanding members and adapted to engage the upper edge of the plain lens and press the lower edge of said plain lens into engagement with the top of the cover member, thereby to entirely enclose the said prismatic lens.

2,184,005
CLUTCH
Charles B. Spase, Syracuse, N. Y., assignor to Ira Saks, Cleveland, Ohio
Application October 16, 1937, Serial No. 169,434
4 Claims. (Cl. 192—68)



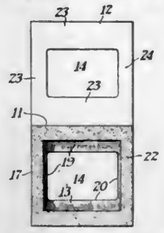
1. In a clutch, the combination of a pressure plate, a cover plate having an axially extending side wall and a radially extending flange, radially extending pins carried by said pressure plate, and axially extending slots in said cover plate for engaging with said pins, said slots being enlarged at a point adjacent the juncture of said side wall and flange to clear and guide said pins during assembly of the clutch.

2,184,006
TROLLEY SPLICER
Lon C. Spencer, Indianapolis, Ind.
Application October 27, 1937, Serial No. 171,327
4 Claims. (Cl. 191—44)



1. A trolley wire splicer comprising, a rigid body member having mounting means therefor and means for securing trolley wires thereto, integral wire seating members adjacent each end of the body member having a width substantially equal to that of said trolley wires for aligning the trolley wires, a relatively thin central web member having an enlarged edge portion of substantially the width of one of the trolley wires positioned in alignment therewith, and a plurality of separate wear sheaths of relatively high conductivity having the top side portions thereof pressed about the enlarged edge portion of the body member and one of the trolley wires to mechanically interlock said sheaths with the wire, the seating members and said enlarged portions to independently secure the wear sheaths to the body member and prevent longitudinal movement thereof with respect to the body member.

2,184,007
TRANSPARENCY MOUNT
Henry C. Staehle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 7, 1938, Serial No. 233,884
7 Claims. (Cl. 88—26)



1. A mount for transparencies comprising a pair of frame members adapted to be arranged in overlying relation and formed with registering light projecting apertures, a strip of dry mounting tissue positioned between said frame members and formed with a central opening adapted to receive a transparency and to hold the latter in registry with said apertures, said opening being slightly larger than said transparency, to permit free movement thereof, an adhesive which softens under heat arranged on both faces of said strip to secure the sides of said frame members to said strip, and means for preventing one side of one of said frame members from adhering to said strip to provide an opening for inserting the transparency between said frame members.

2,184,008

CONDITIONING OF YARNS TO ADAPT THEM FOR TEXTILE OPERATIONS

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 26, 1937, Serial No. 176,692
18 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing a carbamate having the general formula:

R—O—CO—NH—R'

where R is an organic radical selected from the group consisting of the alkyl and alkoxy alkyl groups and R' is an organic radical selected from the group consisting of the alkyl, the hydroxy- and alkoxy-substituted alkyl groups.

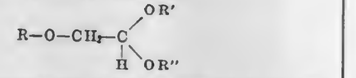
2,184,009

YARN TREATING PROCESS AND COMPOSITION THEREFOR

Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 26, 1937, Serial No. 176,698
24 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like, which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component an acetal ether having the general formula:



where R is an organic radical selected from the group consisting of alkyl, aryl, and substituted alkyl groups, R' is an organic radical selected from the group consisting of alkyl, aryl and substituted alkyl groups, and R'' is an alkyl group.

2,184,010

DENATURED ALCOHOL CONTAINING A LOWER ALKYL AMYL MIXED ETHER

Louis J. Figg, Jr., and James W. Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 28, 1937, Serial No. 166,123
3 Claims. (Cl. 202—77)

3. Denatured ethyl alcohol containing, as an essential denaturing element, from 0.5 to 5 parts, approximately, of an ethyl amyl ether per 100 parts of 95% alcohol.

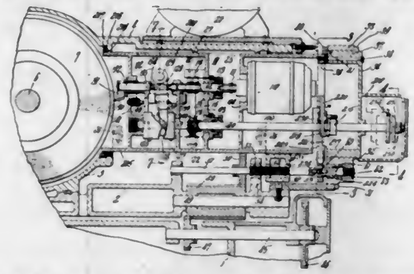
2,184,011

GRINDING MACHINE

Ralph E. Flanders, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont

Application August 8, 1936, Serial No. 94,903
25 Claims. (Cl. 51—95)

1. The combination with a grinding machine having a grinding wheel and a wheel support having a cylindrical opening having its axis substantially perpendicular to the axis of said wheel, of a wheel truing mechanism having a cylindrical enclosing casing, means supporting said casing



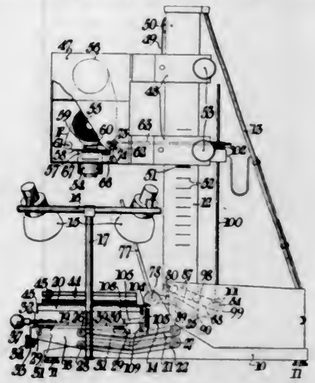
for axial and angular motions in said opening and with respect to said wheel support, means for fixing the angular position of said casing, and means for moving said mechanism toward and from said wheel.

2,184,012

PHOTOGRAPHIC REPRODUCING MACHINE AND COPY HOLDER THEREFOR

Roy S. Hopkins, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 23, 1936, Serial No. 107,250
12 Claims. (Cl. 88—24)



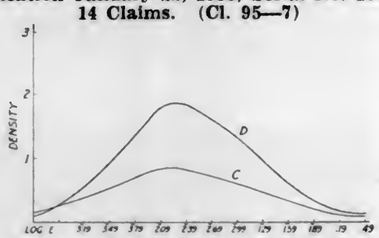
12. In a photographic copying machine, the combination with a base member, a supporting assembly operatively connected to said base member and for supporting subject matter to be copied, a platen member on said base member and movable to and from an operative position, a means for moving said supporting assembly and the subject matter thereon respectively toward and against said platen member, and a camera including a film gate, an objective for projecting to said film gate an image of said subject matter which is against said platen, and a shutter for intercepting the image projected toward said film gate, of a reciprocating means connected to said platen member for moving the same to operative position and including a connection permitting overtravel of said reciprocating means, an abutment for engaging said reciprocating means when said platen member is in operative position and preventing movement of said platen member during said overtravel of the reciprocating means, and an operating connection between said reciprocating member and the shutter of said camera and for opening said shutter only during the overtravel of said reciprocating member.

2,184,013

DIRECT POSITIVE EMULSION

John A. Leermakers, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 22, 1938, Serial No. 186,399
14 Claims. (Cl. 95—7)



1. The method of making a direct positive emulsion, which comprises incorporating in a gelatino-silver halide emulsion a non-acid optical sensitizing dye for the visible region in an amount approximately 1½ to 4 times that necessary to give the optimum sensitizing for a normal negative emulsion, and coating the emulsion on a support without fogging it prior to exposure.

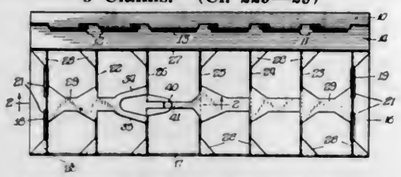
5. The method of making a direct positive emulsion, which comprises incorporating in a gelatino-silver halide emulsion an optical thiocarbocyanine sensitizing dye for the visible region in an amount approximately 1½ to 4 times that necessary to give the optimum sensitizing for a normal negative emulsion, and a photographic developing agent, and coating the emulsion on a support without fogging it prior to exposure.

2,184,014

CHAIN CELL CARTON

Carl H. Lowe, Chicago, Ill., assignor to Self-Locking Carton Co., Chicago, Ill., a corporation of Illinois

Application April 17, 1937, Serial No. 137,446
5 Claims. (Cl. 229—29)



1. A carton of the type described, which comprises front and rear walls, cross partitions hinged to said walls and extending toward each other when in collapsed condition, said cross partitions being cut to provide a horizontal longitudinally extending strip having a leading portion and a reversing portion of a total length substantially equal to the distance between the hinge portions of said cross partitions.

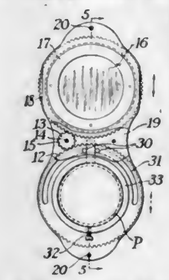
2,184,015

ATTACHMENT FOR CAMERAS

John W. McFarlane, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 7, 1937, Serial No. 119,478
1 Claim. (Cl. 95—64)

A view examiner polarizer attachment adapted to be used with a camera over the lens of which a polarizing filter having an indicator handle is rotatably mounted, which view examiner polarizer comprises a polarizing material, a mount for the material, a frame rotatably supporting the mount, attaching means for detachably and rigidly securing the frame to the camera, a second mount rotatably supported by the frame and positioned to cooperate with the filter, gripping means carried by the second mount and positioned and shaped to engage said indicator handle, so



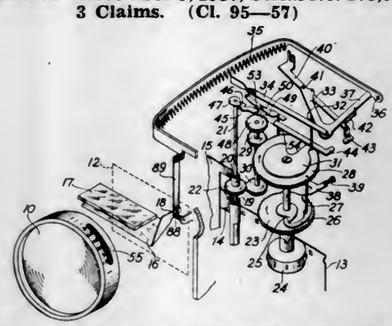
that rotation of the filter is transmitted by the gripping means to rotate the second mount, and coupling means between the two mounts so arranged that a given rotation in one direction of one mount produces an equal rotation in the same direction of the other mount, the vibration axis of the polarizing material being so oriented relative to said gripping means that when the indicator handle is engaged by the gripping means, said vibration axis is parallel to the vibration axis of the filter.

2,184,016

PHOTOGRAPHIC APPARATUS

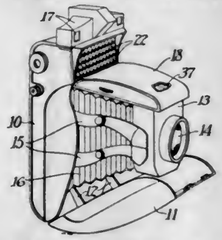
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 5, 1937, Serial No. 173,002
3 Claims. (Cl. 95—57)



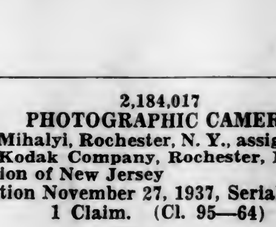
1. A photographic camera comprising a shutter for controlling an exposure interval, mechanism adjustable for altering the shutter interval, a movable stop member for determining the adjustment of said mechanism in accordance with the position of said stop member, a photoelectric device for controlling the position of the stop member, a trigger member biased to one position and movable to another position, means operable upon movement of the trigger member to said other position to adjust the setting of the shutter interval as determined by said stop member, and means operative upon the release of the trigger member to actuate the shutter to provide an exposure interval.

2,184,017
PHOTOGRAPHIC CAMERA
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 27, 1937, Serial No. 176,826
1 Claim. (Cl. 95—64)



A folding camera including a casing, a lens board, a cover plate hinged to the casing and adapted to swing out over the lens board when the camera is open, an exposure control device carried by the lens board and having a part movable for adjusting its setting, a light sensitive cell mounted on the camera casing, means adjustable for varying the transmission of light to the cell, and means carried by said cover plate for simultaneously moving said adjusting part and adjusting said light transmitting means.

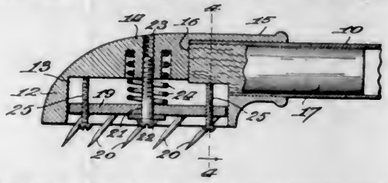
2,184,018
LENS ATTACHMENT
Carl Ort, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 23, 1937, Serial No. 165,355
In Germany April 8, 1937
8 Claims. (Cl. 95—45)



1. In combination with a camera, an objective, a mount therefor, a movable member for focusing the objective, an auxiliary lens attachment comprising a collective component, a dispersive component, mounts therefor and means secured to said component mounts for adjusting the axial separation of the components, means detachably securing the attachment to the objective mount and means coupled to the focusing member for adjusting said auxiliary lens attachment in coordination with the focusing movement of said objective, the coordination of said coupling means being so geared that focusing said objective to a setting corresponding to a certain distance varies said axial separation of the auxiliary lens component by an amount such that the combined optical system including both the camera objective and the auxiliary lens, is focused on a subject at that certain distance.

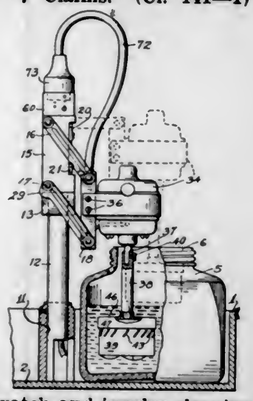
2,184,019
CARPET STRETCHER
Jesse C. Owens, Los Angeles, Calif.
Application November 6, 1936, Serial No. 109,486
2 Claims. (Cl. 45—89)

2. In a carpet stretcher, the combination with a substantially rectangular head and a handle secured to and projecting therefrom, which head is provided in its under side with a recess surrounded by four walls, of a loosely mounted plate disposed wholly within said recess above the lower ends of the walls around said recess, a screw passing through the center of said recess



with the threaded portion of said screw seated in the head above the recess therein, an expansive coil spring arranged between said plate and said head, which spring is disposed about said screw and screws seated in the corners of said plate with the ends of said screws bearing against the bottom of the recess in the head.

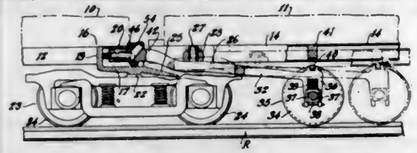
2,184,020
WATCH AND JEWELRY CLEANING MACHINE
Steve Repasy, Los Angeles, Calif.
Application June 14, 1937, Serial No. 148,116
7 Claims. (Cl. 141—1)



1. In a watch and jewelry cleaning machine, a receptacle, a post fixed to and extending upwardly from the center of said receptacle, a plurality of open-mouthed containers arranged in said receptacle around said post, a block on the upper portion of said post, said block having a plurality of side faces, a sleeve mounted for rotation on the post above said block, pairs of parallel links pivoted at one end to said sleeve one pair being disposed above the other, a post pivoted to the other ends of said links, a motor carried by said last mentioned post and a receptacle for holding parts to be cleaned carried by the shaft of said motor and adapted to enter the open mouths of said containers.

2,184,021
CAR SUPPORTING CONSTRUCTION
Edward J. Sattler, Mineral City, Ohio
Application February 17, 1937, Serial No. 126,241
6 Claims. (Cl. 105—4)

1. Car supporting construction for supporting two car ends in coupled and uncoupled position, including a main truck supporting one car end, a load distributing member having a pivotal connection with the other car end provided with a slot and having one end supported on said main truck, a resilient draft gear mounted in said slot,



and coupling means on said one car end engaging said draft gear at a point in longitudinal and horizontal alignment with said pivotal connection.

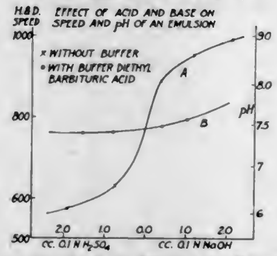
2,184,022
COLOR PHOTOGRAPHY
Merrill W. Seymour, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 5, 1936, Serial No. 99,594
In Great Britain June 29, 1936
10 Claims. (Cl. 95—6)



1. The process of producing a colored photographic image in a gelatin layer, which comprises forming a silver image in a gelatin layer containing a vat dye, bleaching the dye in an alkaline stannous chloride solution in the region of the silver image, and removing the silver from the layer.

8. A bleach bath for producing a colored image in a gelatin layer uniformly colored with a vat dye and containing a silver image, comprising an alkaline solution of stannous chloride and triethanolamine.

2,184,023
BUFFERED PHOTOGRAPHIC EMULSION
Samuel E. Sheppard and Raymond H. Lambert, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 9, 1936, Serial No. 84,317
5 Claims. (Cl. 95—7)



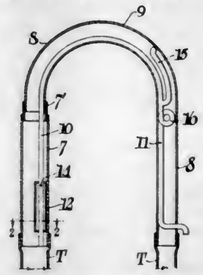
5. The method of making a buffered gelatino-silver halide emulsion having a substantially constant pH within an appreciable portion of the region pH 5.5 to pH 9.5, which comprises adjusting the pH of the emulsion to the region pH 5.5 to pH 9.5, and adding to it an organic acid selected from the group consisting of polybasic and heterocyclic acids, inert with respect to silver halides, soluble in gelatin containing at least 12% of water, and having pK values affording a buffering action in the region pH 5.5 to pH 9.5, said organic acid being present in sufficient amount to buffer the emulsion in the region pH 5.5 to pH 9.5.

2,184,024
PHOTOGRAPHIC ANTIHALATION LAYER MADE FROM ALLOXAN
Samuel E. Sheppard and Robert C. Houck, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 12, 1939, Serial No. 267,478
13 Claims. (Cl. 95—9)



1. A photographic element comprising a support having thereon a sensitive emulsion layer, and a layer of unsensitized gelatin containing a compound selected from the group consisting of alloxans, alloxantins and triketohydrindenehydrate.

2,184,025
SIPHON APPARATUS
Kenneth Stuart Smith, Wealdstone, Harrow, and Ernest Victor Casburn, Hitchin, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 17, 1937, Serial No. 137,482
In Great Britain June 16, 1936
5 Claims. (Cl. 137—20)



1. In a siphon apparatus the combination with a portable main siphon tube including an open ended intake limb which is adapted to be immersed in a liquid to be siphoned, an open ended discharge limb, an interconnecting portion constituting with said limbs a vacuum space when said intake limb is immersed in a liquid to be siphoned and the discharge limb is provided with a liquid seal, of an auxiliary automatic siphon of the air pressure type connected to said main siphon tube to be moved as a unit therewith and comprising a tube of small bore having an open ended intake limb which is to be immersed in a liquid to be siphoned simultaneously with the intake limb of the main siphon tube and an open ended discharge limb, an elongated air chamber surrounding the intake limb of the auxiliary siphon and adapted to be immersed therewith into a liquid to be siphoned, said air chamber having openings in its lower end through which the liquid may enter the chamber upon immersion, the upper end of said chamber communicating with the interior of the intake limb of the auxiliary siphon through an opening in the intake limb and through which compressed air may enter the auxiliary siphon and induce a siphon action therein automatically, and a tube connecting the discharge limb of the auxiliary siphon with the vacuum space in the main siphon tube whereby the

air is drawn out of the vacuum space by the discharging liquid in the auxiliary siphon to induce a siphon action in the main siphon.

2,184,026

SPINDLE MOUNTING FOR LOOM SHUTTLES

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application June 27, 1938, Serial No. 216,037
3 Claims. (Cl. 139—208)



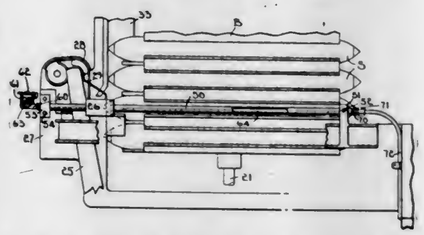
1. In a loom shuttle, a weft carrying spindle, resilient means located within and movable longitudinally of the spindle and tending normally to move in a direction away from the weft on the spindle, a wear plate having a flat plane surface to engage the resilient means and cooperate with the latter to move the spindle relatively to the shuttle, a bracket carried by the shuttle and positioning the wear plate, a wall formed on the shuttle along which a part of the bracket lies, and a pivotal connection for the spindle passing through the bracket and so located that a line passing through the axis of said pivotal connection and perpendicular to the plane surface lies between the limits of that portion of the wall along which the bracket lies, said wall and pivotal connection holding the bracket in fixed position with respect to the shuttle and said bracket and yielding means holding the wear plate in fixed position relatively to the shuttle.

2,184,027

COOLING MEANS FOR PICKER SPINDLES

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application December 19, 1938, Serial No. 246,545
6 Claims. (Cl. 139—158)



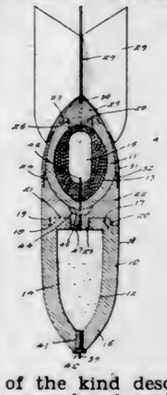
6. In a loom, a lay having a hollow picker spindle thereon one end of which is open to the atmosphere, an air pump, hollow means mounted on the lay and defining an air chamber, flexible means connecting the air pump and the air chamber, and a metallic tube extending from the air chamber to the other end of the spindle, the flexible tube, the air chamber and the metallic tube constituting a pneumatic connection between the air pump and the air in the hollow spindle, the air pump causing a change of air in the hollow part of the spindle by inducing a change in the pneumatic pressure in said pneumatic connection.

2,184,028

AIRCRAFT BOMB

Wesley Urban, Jamaica Plain, Mass.

Application May 16, 1938, Serial No. 208,272
3 Claims. (Cl. 102—2)



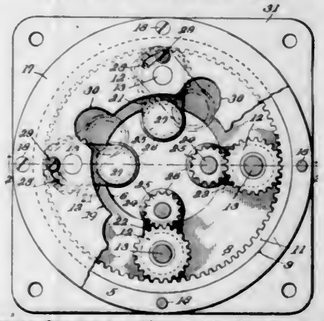
1. A bomb of the kind described comprising a shell having a reduced perforated rear end, a coupling body detachably threaded with the reduced rear end and having a socket opening therethrough, a closure plug on said coupling body and accommodated in the perforation in said shell, a second shell fitting said socket, a coupling band engaged with the second shell and the said coupling body for holding said second shell in the socket in the coupling body, explosive charges within both shells, shrapnel within the second shell and about said explosive charge therein, a timing fuse for the explosive charge in the second-mentioned shell and active on the exploding of the charge in the first-mentioned shell, and percussion means exposed at the forward end of the first-mentioned shell for exploding the charge therein.

2,184,029

MEANS FOR SUPPORTING AND FEEDING CAN ENDS OR THE LIKE

Sanford Wicklund, Whittier, Calif., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application March 16, 1939, Serial No. 262,240
18 Claims. (Cl. 113—114)



1. Means for supporting a stack of can ends or like elements and for feeding them individually from said stack comprising, a plurality of spaced supporting and feeding screws, a shaft carrying each screw and having a driven gear thereon, a driving rim gear, an intermediate gear meshing with each driven gear and the rim gear, and

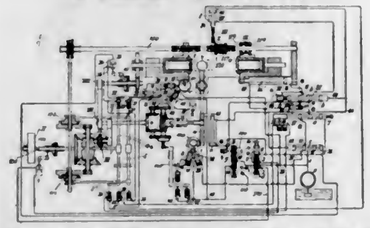
means mounting each shaft and shiftable about the axis of the meshing intermediate gear for adjusting the spaced relation of the shafts and the screws carried thereon.

2,184,030

MACHINE FOR ROLLING THE BASES OF CARTRIDGE CASES

Albert Wolff, Berlin-Dahlem, Germany, assignor to Deutsche Waffen- und Munitionsfabriken Aktiengesellschaft, Berlin, Germany

Application May 11, 1936, Serial No. 79,187
In Germany March 28, 1935
8 Claims. (Cl. 80—40)



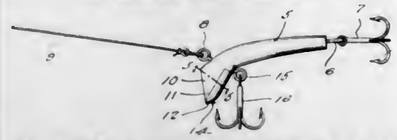
1. An automatic machine, said machine including a pair of roll-slides, a rolling ball, and a bayonet joint for said slides, automatic control means for said parts consisting of power mechanisms for imparting inward and outward movement to said rolling ball and for locking and unlocking said bayonet joint, and means linking said mechanisms whereby to initiate a movement of one after completion of a preceding movement of another.

2,184,031

ARTIFICIAL MINNOW

John L. Wyatt, Savannah, Ga.

Application January 24, 1939, Serial No. 252,636
2 Claims. (Cl. 43—46)



1. An artificial minnow comprising an elongated longitudinally curved body having a transversely enlarged front end, and a fish line attaching member secured to the body at its outer curved surface in the region of the junction of the enlarged front end with the body and to which a fish line is adapted for attaching for drawing the minnow through the water, the rear end of the minnow being free to swing transversely, said front end being weighted at its bottom and having rounded longitudinal edges to facilitate transverse rocking movement of the body.

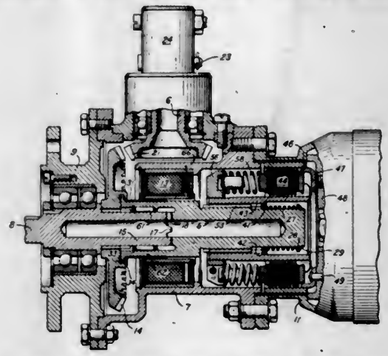
2,184,032

DRIVING MECHANISM

Joseph W. Allen, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application November 16, 1935, Serial No. 50,229
4 Claims. (Cl. 74—389)

1. In a driving mechanism, a pair of driving elements, a driven element common to both said driving elements, electro-magnetic means adjacent one of said driving elements to cause said one of said driving elements to engage said driven element, resilient means for shifting the driving connection to the other of said driving elements,



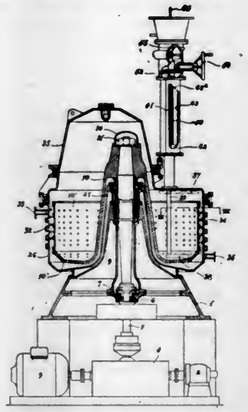
and means for concurrently producing rotation of one of said driving elements and energization of said electro-magnetic means.

2,184,033

CENTRIFUGE FOR CHEMICAL REACTIONS

Henri Argant, Paris, and Henry Chanay and Georges Robatel, Lyon, France, assignors to Société Anonyme "Ateliers Robatel & Buffaud", Lyon, France, a company of France, and Société Anonyme "Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord réunies, Etablissements Kuhlmann", Paris, France, a company of France

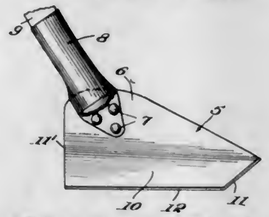
Application December 6, 1937, Serial No. 178,420
In France December 7, 1936
4 Claims. (Cl. 210—70)



1. A centrifuge for chemical reactions comprising in combination a base forming a hollow vertical column; a vertical spindle co-axial with said hollow vertical column and protruding above the top of the same; a packing device around said spindle at the top of said column; a tightly closable fixed casing separate from said base and resting thereon co-axially with said hollow vertical column, the bottom of said casing forming an upward substantially conical extension surrounding said hollow vertical column and tightly connected with said packing device; a hollow substantially conical hub keyed on the upper end of said spindles above said packing device, said hub extending downwardly to surround the ex-

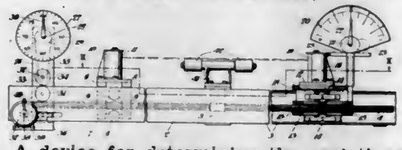
tension of said tightly closable casing; and a rotating basket carried within said casing by said hub co-axially with said spindle.

2,184,034
LAWN TRIMMING TOOL
Pulaski Broward, Sr., South Jacksonville, Fla.
Application August 30, 1938, Serial No. 227,587
1 Claim. (Cl. 97—227)



A device of the character described, comprising, a blade having upper and lower sections, an upwardly and rearwardly extending handle secured to said upper section, said lower section fashioned with a cutting edge and curved longitudinally relative to said upper section whereby to dispose the axis of said handle at an angle relative to said lower section when said lower section is operated in a vertical plane, said lower section having an inclined cutting edge at the front thereof coacting with said first mentioned cutting edge to effect trimming of arcuate shaped edges of a lawn and the like upon upward movement of said handle.

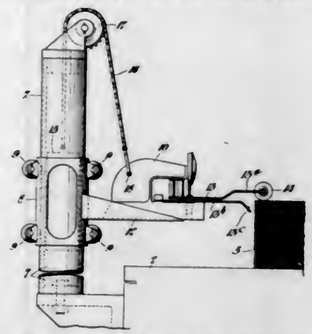
2,184,035
STRIP WIDTH MEASURING DEVICE
Dario Buccicone, Gary, Ind.
Application December 30, 1937, Serial No. 182,624
6 Claims. (Cl. 33—147)



1. A device for determining the variations in width of continuous strip material comprising a rigidly mounted supporting member, a member movably arranged on each side of said supporting member for contacting the opposite edges of the strip, means associated with at least one of said contacting members for registering the variations in width of the strip, and adjustable means movably carried by said supporting member interconnecting said contacting members and for positioning the same a predetermined distance apart, said interconnecting means together with said contacting members movably mounted on said rigid supporting member so that the strip will adjust said contacting members relative to the edges thereof as it passes therebetween in contact therewith.

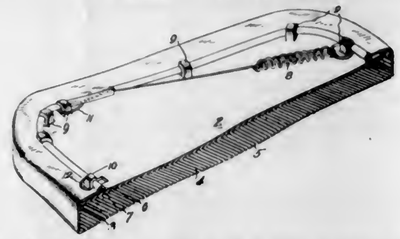
2,184,036
APPARATUS FOR GAUGING SHEET MATERIAL
Dario Buccicone and Bailie W. Frazier, Gary, Ind.
Application October 8, 1938, Serial No. 234,020
9 Claims. (Cl. 33—147)

1. Apparatus for determining the thickness of sheet material including, in combination, a rigid support, a thickness gauge mounted on said support for vertical movement thereon, and means carried by said gauge which is adapted to en-



gage with the topmost sheet for positioning said gauge in its downward movement on said support successively opposite the topmost sheet of a stack of sheets to be gauged as the sheets are successively gauged and removed therefrom.

2,184,037
SEAT COVER
Roy A. Cramer and Jesse F. Cramer, Kansas City, Mo.
Application October 31, 1939, Serial No. 302,198
7 Claims. (Cl. 155—182)

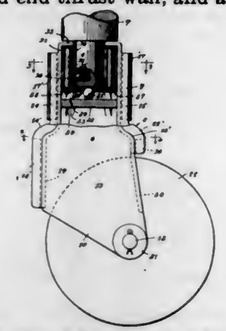


1. A chair seat comprising a seat support having a plurality of spaced downwardly extending lugs, a resilient cushion resting on said seat support, a fabric cover over said cushion and extending under the seat support, said cover having means adapted to engage said lugs and resilient means tending to pull the cover together below the seat support, the action of said resilient means being limited to center the cover on the seat by engaging said means with said lugs.

2,184,038
SWIVEL CASTER
Max E. Dayton, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application November 3, 1937, Serial No. 172,548
8 Claims. (Cl. 16—22)

1. A caster for application to a supporting device having a cylindrical end portion, said caster comprising a wheel-carrying frame having a tubular neck to receive the cylindrical end portion of said device, an end thrust wall in said neck, a bearing ball resting thereon and engageable by the end of said cylindrical end portion for anti-friction support of the device, a centrally apertured plate centering said ball in

said neck and supported thereby in spaced relation to said end thrust wall, and a radial bear-



ing for said cylindrical end portion supported by said plate in said neck.

2,184,039
SHEET METAL CONTAINER
John F. Fenn and John Henchert, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 24, 1938, Serial No. 236,767
1 Claim. (Cl. 40—10)



A sheet metal container comprising a body portion, an end seamed thereto, said end having a central depression formed therein spaced from the seam joining the end to the body portion, and having a vertical wall surrounding and defining the same, said end having also a raised annular rib surrounding said depression with the inner edge portion thereof merging into said vertical wall, a fiber display disk disposed in said depression, said annular rib being deformed at spaced intervals so as to provide inwardly extending radial lugs, said display disk and said lugs being dimensioned and positioned so that the lugs will retain the disk in the depression, permitting the same to be forcibly removed therefrom.

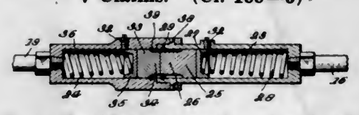
2,184,040
TREATING TEXTILES AND OILS THEREFOR
Walter Garner, Menston-in-Wharfdale, England
No Drawing. Application August 28, 1937, Serial No. 161,530. In Great Britain August 31, 1936
6 Claims. (Cl. 87—9)

1. Process of producing a non-staining textile oil not darker than a medium colour which comprises incorporating in a textile oil containing unsaturated substances a small proportion of solid sulphur of the order of 0.1% to 0.25% and heating the mixture at the lowest temperature which will produce a non-staining oil.

2,184,041
FABRIC MAKING
Joseph F. X. Harold, Yonkers, N. Y.
No Drawing. Application November 12, 1931, Serial No. 574,671
7 Claims. (Cl. 28—1)

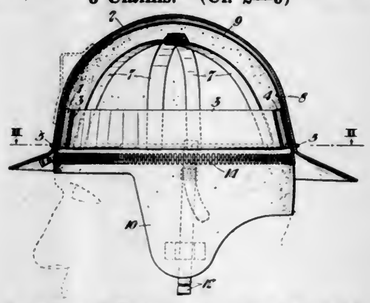
1. The method of making a textile element which consists in treating a structural vegetable textile element in natural form to render it soluble without destruction of said form, combining this with one or more relatively insoluble structural textile elements and directly removing the solubilized element by the use of a solvent alone, which solvent removes, the soluble element without affecting the insoluble textile element.

2,184,042
HYDRAULIC BRAKE SYSTEM
William E. Harrington, Beaumont, Tex.
Application August 14, 1937, Serial No. 159,159
7 Claims. (Cl. 188—3)



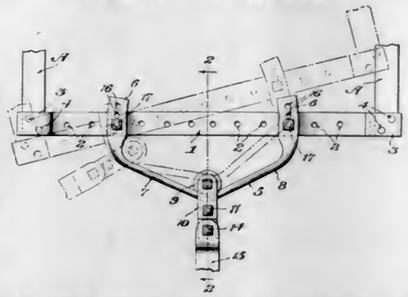
1. In a braking apparatus for tractor and trailer vehicles having separate fluid pressure operated brake systems, a pair of cylinders, one connected to the tractor system and the other connected to the trailer system, means for detachably connecting said cylinders, a pair of pistons, one mounted in each of said cylinders and serving to prevent leakage of fluid from the systems, a relatively weak spring disposed in the cylinder on the tractor for normally forcing the piston outwardly, and a relatively strong spring disposed in the cylinder on the trailer for normally forcing the piston outwardly whereby to maintain the pistons in abutting relationship when the cylinders are connected, said relatively strong spring operating to maintain the piston on the trailer outwardly and the piston on the tractor inwardly when the brakes are released.

2,184,043
SAFETY HELMET
Harold R. Heilstedt, Gary, Ind., and Stillman D. Jackson, Chicago, Ill.
Application April 15, 1938, Serial No. 202,338
3 Claims. (Cl. 2—3)



1. A safety helmet comprising a rigid outer shell having a shock absorbing means removably arranged therein for supporting the same out of direct contact with the head of the wearer, a removable helmet-like cap of a fabric material having an upper dome-like portion arranged within the outer shell between the shock absorbing means therein and the outer shell so as to completely cover the top of the head of the wearer and a lower portion extending below the outer shell, and means for removably attaching both the shock absorbing means and the helmet-like cap adjacent the bottom of the dome-like portion thereof to the outer shell at the band portion of the helmet.

2,184,044
FLOATING TRACTOR HITCH
Edward P. Hoepfner, Roosevelt, Okla.
Application April 1, 1938, Serial No. 199,512
2 Claims. (Cl. 280—33.44)



1. A hitch of the character described, comprising a supporting member having spaced alined openings therethrough, a hitch bar of substantially V-form having each of its free ends provided with a curved series of alined openings, means passing through the openings in the supporting member and hitch bar to secure the same together, said hitch bar being circular in cross-section and of substantially uniform diameter throughout the greater portion of its length, and a roller connecting member mounted on said hitch bar for free and unobstructed movement throughout the greater portion of the length of the latter.

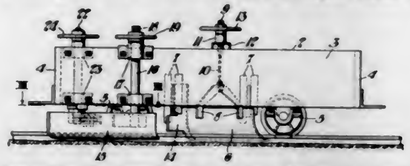
2,184,045
CUTTING BLADE
Clarence L. Jeffrey, Fairfield, Ill., assignor of one-half to W. P. Mautz, Lebanon, Ill.
Application November 1, 1938, Serial No. 238,258
4 Claims. (Cl. 37—141)



1. A device of the character described, comprising, a lip adapted for attachment to an excavating scoop and having inner and outer ends, said outer end fashioned with an under face and a beveled cutting face formed with a scalloped cutting edge whereby to effect progressive penetration of said edge into material to be excavated, an arm fixed to said lip between said ends and extending from and at an angle relative to said under face, said arm terminating a sufficient distance away from said lip to provide a seat between said under face and said arm for receiving the outer end of said scoop whereby to present said lip at an angle relative to said outer end of said scoop for effecting cutting operation.

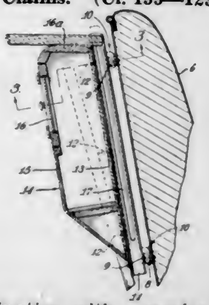
2,184,046
TRACK SCRAPER
John Karinshak, Jr., Uniontown, Pa.
Application November 29, 1937, Serial No. 177,138
5 Claims. (Cl. 37—105)

1. A scraper for use in cleaning the roadbed of a railroad comprising a body member, a scraping member carried by said body member and being floatingly disposed between the rails at an angle thereto, vertically adjustable means for loosely suspending said scraping member between the side walls of said body, a guideway carried by the opposed side walls of said body with the free ends of said scraping member being loosely and slidably positioned therein, a second scraping member independently carried by said body member and disposed to one side of said rails at an angle thereto, vertically adjustable means for pivotally attaching one end of said second mentioned scraping member to the side wall of said body adjacent the rearwardly disposed end of the first mentioned scraping member, and means for adjusting said second mentioned scraping member angularly relative to the rails, said scraping members being so constructed and arranged that the



rearwardly disposed end of the first mentioned scraping member is positioned just ahead of the forwardly disposed end of the second scraping member so that the material collected from between the rails by the first mentioned scraping member will be deflected over one of the rails into the path of said second mentioned scraping member which, in turn, deflects the material to one side of the roadbed.

2,184,047
COMBINED MOTOR VEHICLE SERVICE CABINET AND TABLE
John R. King, Dallas, Tex.
Application November 2, 1938, Serial No. 238,455
3 Claims. (Cl. 155—123)

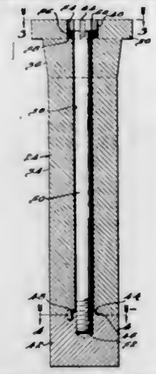


1. In combination with a service cabinet having rear and top walls, spaced channel members secured to said rear wall and formed with lengthwise extending slots having upper ends disposed above said top wall, supporting members carried by said channel members and formed with sections for detachable connection to members on the back of a motor vehicle seat whereby to support said cabinet on said back, a serving board interposed between said cabinet and said back and embraced by said channel members, and trunnions carried by said board and slidable upwardly within said slots for engagement with said upper ends to position said board above said top wall whereby to permit said board to be pivoted outwardly to assume a horizontal position, said top wall of said cabinet coacting with said board for maintaining the latter in said horizontal position.

2,184,048
RAM FOR EXTRUSION PRESSES
Charles Walter Krause, Detroit, Mich., assignor to The Forging and Casting Corporation, Ferndale, Mich., a corporation of Michigan
Application January 7, 1939, Serial No. 249,679
12 Claims. (Cl. 207—19)

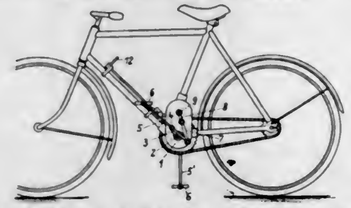
1. A ram for an extruding press or the like

comprising a main body portion having an axial bore extending completely therethrough, a nose piece of the same cross-sectional contour and size as said main body portion seated against an end of said main body portion and closing said bore, means extending through said bore re-



movably securing said nose piece and main body portion together, and yieldable means cooperating between the first mentioned means and said main body portion maintaining the effectiveness of the securing effect of said first mentioned means and guarding it against destructive forces due to elongation of said main body portion.

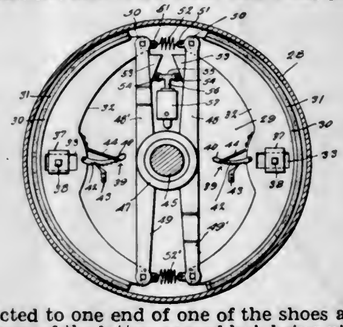
2,184,049
PEDAL DRIVE, PARTICULARLY FOR CYCLES
Fritz Lienhard, Zurich, Switzerland, assignor of one-half to Ernst Gimmi, Zurich, Switzerland
Application August 23, 1938, Serial No. 226,374
3 Claims. (Cl. 74—594.3)



1. Pedal drive of the character described comprising two pedal levers adapted to be rocked up and down alternately, a pedal crank, a pivot on said pedal crank, said pedal levers being pivotally mounted on said pivot, driving cranks operatively connected for rotation to said pedal crank, links between said pedal levers and said driving cranks, the arrangement being such that at the commencement of the working stroke the driving cranks set the said pedal levers by means of the said links in a direction for increasing the effective lever arm approximately along an extension of the pedal cranks and so securing the pedal levers and pedal crank relatively to one another that the two parts up to near the end of the working stroke form an extended lever arm which rocks practically as a rigid unit.

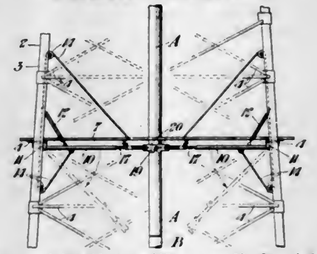
2,184,050
BRAKE
Clyde L. Miler, Rock Rapids, Iowa
Original application November 30, 1937, Serial No. 177,297. Divided and this application March 15, 1938, Serial No. 196,065
1 Claim. (Cl. 188—78)

In a brake construction, opposed brake shoes mounted intermediate the ends thereof for sliding movement towards and from a brake drum, rotatably mounted hubs arranged between said shoes intermediate the ends of the latter, oppositely extending arms formed on each of said hubs and one arm of one hub being pivotally connected to an end of one of the brake shoes and the other arm of said latter-named hub being pivotally connected to an end of the other shoe and one arm of the other hub being pivotally



connected to one end of one of the shoes and the other arm of the latter-named hub being pivotally connected to an end of the other shoe, opposed tapered blocks and one of said blocks being formed on one of the arms of one of the hubs and the other block being formed on one of the arms of the other hub, contractable springs connecting the adjacent ends of the arms together, and a spreader coacting with the blocks to pivot said arms for engaging the shoes with the drum.

2,184,051
WELL CASING ALIGNING GUIDE
Bolton C. Moise, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application December 29, 1937, Serial No. 182,319
2 Claims. (Cl. 255—1)



1. In combination with a well derrick, a well casing aligning device comprising at least two outwardly divergent radial guide arms extending substantially perpendicular to the axis of the hole of the well, each of said radial guide arms being rigid against longitudinal compression stresses, the outer ends of said radial guide arms being mounted for vertical pivotal movement, the inner ends of said radial guide arms terminating adjacent the axis of the hole of the well and adapted for simultaneous contact with a single well casing to thereby align the same, means connecting the inner ends of said radial guide arms, a platform disposed over said radial guide arms and substantially perpendicular to the axis of the hole of the well, means adapted to yieldably maintain said radial guide arms in substantial parallelism with said platform to thus hold them substantially perpendicular to the axis of the hole of

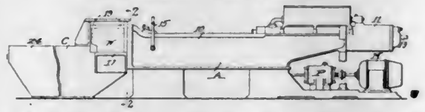
the well, and means operable from said platform to move said radial guide arms away from said platform and against the action of said last-named means.

2,184,052

HYDRAULIC BROACHING MACHINE AND WORK SUPPORT THEREFOR

Kenneth C. Monroe, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine

Application March 5, 1938, Serial No. 194,191
2 Claims. (Cl. 90—33)



1. A hydraulic surface-broaching machine comprising a broaching head, a stationary abutment, a device to support a piece of work, means to raise and lower said work-supporting device and work and to firmly press and hold the work in raised broaching position against said stationary abutment, thereby simultaneously clamping and positioning said work, means to actuate said broaching head, and interlocking mechanism operable with said several means to prevent a working stroke of said broaching head until the means for actuating the work-supporting device has raised and clamped the work in abutment-engaging position, and operable thereafter to prevent return movement of said broaching head until said means for actuating said work-supporting device has lowered the work from abutment-engaging position.

2,184,053

STABLE COMPOSITIONS USEFUL IN THE COMPOUNDING OF PHOTOGRAPHIC DEVELOPERS

Lowell E. Muehler, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 29, 1939, Serial No. 264,847
8 Claims. (Cl. 95—88)

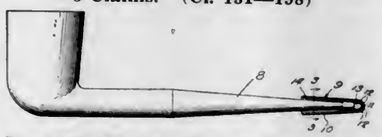
1. A composition in solid form adapted to dissolve in water for the purpose of providing in solution a suitable source of formaldehyde for addition to a solution containing a developing agent and sodium sulfite to prepare a photographic developing bath, said composition comprising paraformaldehyde, an alkaline salt, and a solid agent adapted to act as a neutralizing or buffering agent.

2,184,054

ATTACHMENT FOR SMOKING APPLIANCES

Charles P. Nash, Jr., Charlottesville, Va., assignor of one-half to E. M. Nash, and one-fourth to Deane Ribble, Charlottesville, Va.

Application May 5, 1938, Serial No. 206,259
6 Claims. (Cl. 131—198)



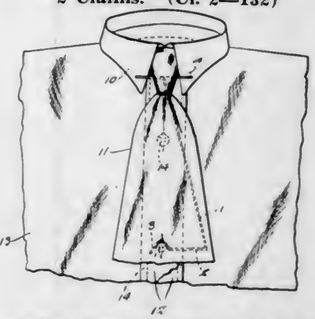
1. In a smoking appliance the combination with a mouth piece having a smoke passage of a flexible and resilient member surrounding the mouth piece and enclosing between itself and the mouth piece a passage that communicates between atmosphere and the smoke passage, whereby the area of the passage between the member and the mouth piece may be varied by the pressure of the smoker's mouth.

2,184,055

COMBINATION COLLAR CLASP AND SHIRT BRACE

Francis C. O'Keefe, Grand Island, Nebr.

Application January 15, 1938, Serial No. 185,226
Renewed May 22, 1939
2 Claims. (Cl. 2—132)



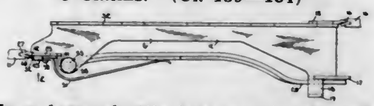
1. A combination collar clasp and shirt brace formed of a single length of resilient bent wire and including a straight shank, a lateral straight extension at one end of the shank terminating in a hook, and a collar clasp at the other end of said shank.

2,184,056

FABRICATED MULTICELL SHUTTLE BOX

Jacob B. Olch, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 18, 1938, Serial No. 202,692
8 Claims. (Cl. 139—184)



1. In a loom shuttle box, a pair of vertically spaced horizontal sheet metal plates, a vertical wall secured to the plates and holding the same in spaced vertical relationship, a brace formed of sheet metal and having a flat body secured to the wall between the plates and provided with a flange bent therefrom and extending between the plates and having supporting engagement with the latter, and vertically spaced binder spring retaining lugs integral with the brace and extending away from the wall.

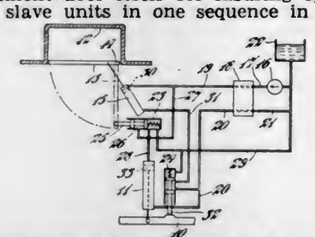
2,184,057

FLUID PRESSURE CONTROL SYSTEM

Sydney Macdonald Parker, Myton, England, assignor to Automotive Products Company Limited, London, England

Application November 16, 1937, Serial No. 174,880
In Great Britain November 17, 1936
9 Claims. (Cl. 244—102)

1. In an undercarriage fluid pressure control system the combination of a compartment adapted to house the undercarriage, a door for closing said compartment, a slave unit for operating the door, a slave unit for operating the undercarriage, means including a part engageable by the compartment door itself for insuring operation of said slave units in one sequence in one direction and means including a part operated by the undercarriage for insuring operation of said slave units in a reverse sequence in the other direction.

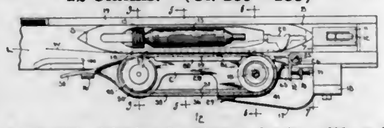


2,184,058

SHUTTLE CHECK FOR LOOMS

Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application February 3, 1939, Serial No. 254,389
12 Claims. (Cl. 139—185)



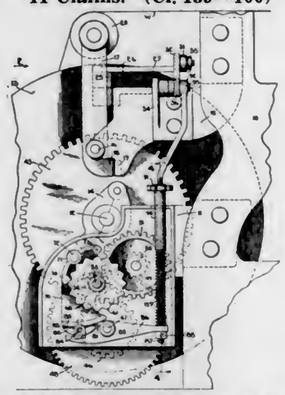
1. A shuttle binder having a body with a bore to receive a pivot, a pair of spaced journals supported by the body, a rotary element on each journal, an endless belt supported by and frictionally engaging and moving with the elements and having a portion thereof extending along the length of the body, means supported by the body to resist rotation of one of the rotary elements, and means to vary the distance between the spaced journals to change the frictional resistance between the belt and said one rotary element.

2,184,059

LET-OFF FOR LOOMS

Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application February 3, 1939, Serial No. 254,441
11 Claims. (Cl. 139—100)



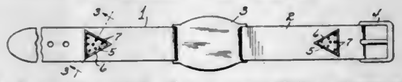
1. In a let-off for a loom, a warp beam to supply warp threads, a movably mounted whip roll over which the warp threads pass and the position of which determines the tension of the warp threads, the warp threads tending by their tension to turn the warp beam, an escapement mechanism connected to the warp beam which when unlocked permits the warp to turn the beam, a brake to arrest the escapement mechanism to prevent turning of the warp beam and to release the escapement mechanism, a weight connected to the whip roll to resist motion of the whip roll in a direction to lower warp tension, and a controller for the brake moving with the weight and including a member to transmit a yielding force derived from the weight to the brake.

2,184,060

VENTILATED AND CUSHIONED WRIST WATCH BAND

Henry Singer, Honolulu, Territory of Hawaii, assignor of one-half to Harold Fong, Honolulu, Territory of Hawaii

Application October 27, 1938, Serial No. 237,351
3 Claims. (Cl. 224—4)



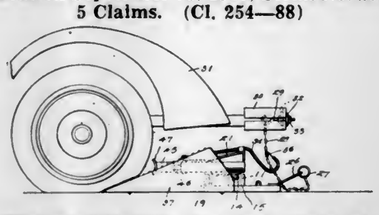
1. A wrist watch strap comprising strap portions each adapted to have one of the ends thereof attached to a watch, means for securing the opposite ends together, elastic rubber cushioning members fixed to the inner surface of the strap portions and arranged in spaced relation to each other for spacing the strap in bridging relation across the inner side of the wrist of the user, said strap portions having ventilating openings therein, and said cushioning members having communicating ventilating openings arranged therein for the passage of air through the sides thereof and for registration with the openings of the strap portions to provide for the circulation of air between the strap and the wrist.

2,184,061

AUTOMOBILE JACK

John W. Skroback, Olean, N. Y.

Application September 13, 1939, Serial No. 294,730
5 Claims. (Cl. 254—88)



1. The combination of a base plate, a jack hinged to the base plate to swing from a horizontal to a vertical position, a runway block, and means connected to the jack and to the base plate and adapted to be connected to the bumper of a motor vehicle for moving the jack to operative position under the vehicle axle when the vehicle is driven up the run way.

2,184,062

MANUFACTURE OF HYDROCYANIC ACID

Charles Roberts Harris, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application August 2, 1934, Serial No. 738,050
14 Claims. (Cl. 23—151)

7. A process for the manufacture of hydrocyanic acid comprising reacting nitric acid with an excess of hydrocarbon in the absence of a

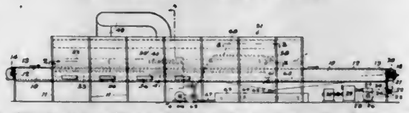
catalyst at a temperature of 800 to 1400° C., the reaction occurring in the presence initially of at least one volume of water vapor and 2 to 10 volumes of an inert gas per volume of nitric oxide.

2,184,063

PROCESS OF PRESERVING EGGS AND APPARATUS FOR CARRYING OUT SAID PROCESS

Job L. G. Meyer and Joseph V. Raskie, Seattle, Wash., assignors to Washington Co-Operative Egg and Poultry Association, Seattle, Wash., a corporation of Washington

Application August 1, 1936, Serial No. 93,850
10 Claims. (Cl. 99—241)



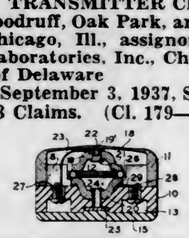
1. In apparatus of the class described, traveling egg conveyor means to support a row of eggs in upright position, hot air delivery means having a slot positioned in alignment with said rows of eggs to direct heated air onto the ends of said eggs and oil supply means positioned to deliver oil onto the eggs on the conveyor after said eggs have passed said hot air delivery means.

2,184,064

TRANSMITTER CELL

Albert E. Woodruff, Oak Park, and Albert F. Horlacher, Chicago, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application September 3, 1937, Serial No. 162,253
3 Claims. (Cl. 179—122)



1. A transmitter cell comprising, in combination, a base member provided with a sealing surface, a one-piece cup-shaped member including a side wall provided with a rim bonded to the sealing surface of said base member by cementing and a thin end wall adapted to function as a vibrating diaphragm responsive to the audio-frequency muscular vibrations of the body of a wearer, the thickness of the end wall of said cup-shaped member decreasing gradually toward the side wall thereof and being the least at points displaced from the center thereof and approaching the side wall of said cup-shaped member, and a structure positioned between the end wall of said cup-shaped member and said base member for retaining therein a granulated carbon pile, said structure including an electrode supported by said base member, and an electrode connected to the end wall of said cup-shaped member for vibration therewith.

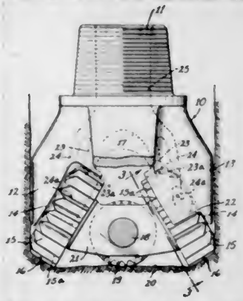
2,184,065

FLUID OPERATED DRILLING BIT

John A. Zublin, Los Angeles, Calif.

Application July 15, 1938, Serial No. 219,356
12 Claims. (Cl. 255—71)

1. In an earth boring apparatus, a supporting body, a cutter having teeth supported by said body for rotation with respect thereto, and fluid discharge means cooperable with said body having its discharge opening closely adjacent said cutter teeth, the line of action of said fluid means intersecting the teeth faces and being directed generally lengthwise of the cutter axis.

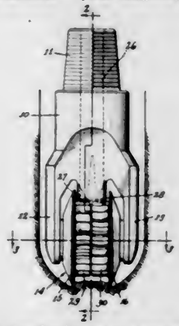


2,184,066

FLUID OPERATED DRILLING TOOL

John A. Zublin, Los Angeles, Calif.

Application August 29, 1938, Serial No. 227,279
9 Claims. (Cl. 255—71)



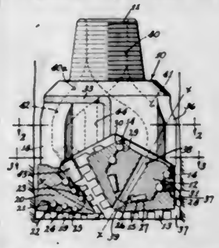
1. A drill bit including a supporting body, a plurality of individual disc cutters supported by said body for rotation with respect thereto, a plurality of vanes fixed to each cutter, and fluid nozzles on said supporting body with their respective outlets closely adjacent said vanes, said nozzles being inclined with respect to each other and arranged to direct their respeotive discharges substantially tangentially against the vanes to rotate the cutters relatively to the body.

2,184,067

DRILL BIT

John A. Zublin, Los Angeles, Calif.

Application January 3, 1939, Serial No. 248,994
11 Claims. (Cl. 255—71)



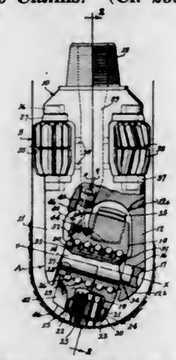
1. An earth boring drill including supporting means carrying a generally conical roller cutter for rotation about a steeply pitched axis and one or more generally conical roller cutters for rotation about respective axes of much lesser pitch, said first-mentioned cutter having cutting portions on a conical surface thereof engageable with the bottom of the bore, and reamer cutting portions engageable with the walls of the bore, the pitch of said first-mentioned axis being such that thrust between said reamer cutting portions and the walls of the bore will be directed predominantly radially of said axis.

2,184,068

TURBINE DRILL BIT

John A. Zublin, Los Angeles, Calif.

Application March 24, 1939, Serial No. 263,872
19 Claims. (Cl. 255—71)



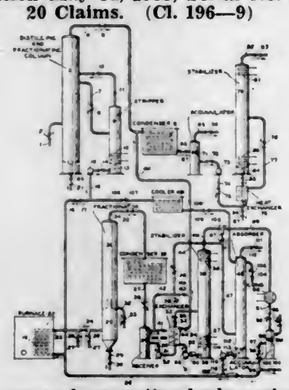
1. A drill bit including a shank, a carrier rotatably carried by said shank, a plurality of cutters rotatably carried by said carrier, and means including a rotor on said carrier having turbine blades exteriorly of said cutters for producing rotation of said carrier with respect to said shank.

2,184,069

TREATMENT OF HYDROCARBON OILS

Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application May 31, 1938, Serial No. 210,894
20 Claims. (Cl. 196—9)



1. A process of converting hydrocarbons which comprises, distilling an oil containing poor antiknock gasoline and essentially paraffinic gases to recover therefrom as separate fractions a distillate, comprising said poor antiknock gasoline, and lighter fractions comprising at least a major portion of said paraffinic gases, subjecting said distillate to conversion conditions regulated to effect the production therefrom of high yields of good antiknock gasoline and substantial quantities of readily polymerizable normally gaseous olefins, recovering said good antiknock gasoline from the resulting conversion products in the form of a distillate substantially free of dissolved normally gaseous olefins, adding to the last named distillate substantial quantities of the heavy paraffinic gases resulting from the distillation step to form a gasoline product of materially increased vapor pressure, and separately recovering from said conversion products a mixture of normally gaseous hydrocarbons containing a high concentration of readily polymerizable olefins.

2,184,070

METHOD OF PREPARING CYCLOHEXYL AMINES

Johann A. Bertsch, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application June 15, 1936, Serial No. 85,327
9 Claims. (Cl. 260—563)

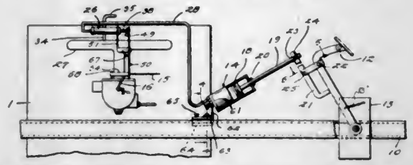
1. A method of preparing cyclohexyl amine by hydrogenation of aniline which comprises heating aniline in the presence of a pretreating agent selected from the group consisting of lead, lead oxides and basic compounds of lead at an elevated temperature below the decomposition point of aniline for a sufficient period to suppress the formation of high-boiling compounds that normally result during the hydrogenation of aniline, separating the aniline from said agent, and thereafter subjecting the aniline to hydrogenation by contact with hydrogen gas in the presence of a catalyst of hydrogenation.

2,184,071

FREEWHEELING DEVICE

Jack Christian, Sanford, Fla.

Application July 2, 1931, Serial No. 548,433
16 Claims. (Cl. 192—.01)



1. A free wheeling attachment comprising a cylinder, a piston slidable in the cylinder, a rock lever, means for pivotally mounting the rock lever on a clutch pedal, means pivotally connecting the lever with the piston whereby the clutch pedal will be rocked upon movement of the piston in one direction while permitting independent movement of the pedal in the same direction, and operating means connected to the cylinder and the suction of a vehicle engine for movement of the piston in said one direction.

2,184,072

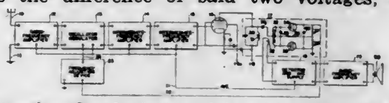
FREQUENCY-RESPONSIVE NETWORK

Robert L. Freeman, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application September 20, 1938, Serial No. 230,820
12 Claims. (Cl. 250—20)

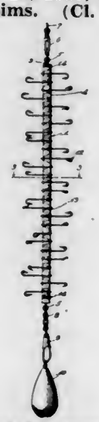
1. A high-sensitivity frequency-responsive net-

work for operation over a limited frequency range comprising, an input circuit, means coupled to said input circuit for deriving a first voltage, means coupled to said input circuit for deriving a second voltage variable in phase with frequency over said range with respect to said first voltage, two rectifiers, means for applying to one of said rectifiers the sum and to the other of said rectifiers the difference of said two voltages, and



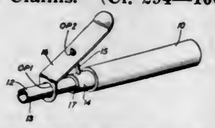
means for developing a delay bias for each of said rectifiers from at least one of said sum and difference voltages, each of said biases being sufficient to reduce the output of the rectifier to which it is applied to zero at a frequency in the vicinity of the mean resonant frequency of said range, and means for deriving from said rectifiers an output voltage varying in accordance with the amplitudes and frequency of their corresponding applied voltages.

2,184,073
MINNOW SNARE
Samuel J. Fuiks, Chicago, Ill.
Application May 19, 1939, Serial No. 274,576
9 Claims. (Cl. 43—6)



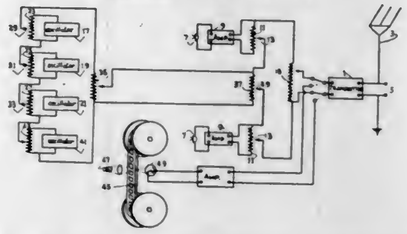
1. A minnow snare comprising an elongate flexible member having radially distributed outwardly extending hooks with the shanks of said hooks extending through and supported in said member, and means extending through the eyes of said hooks and adapted to secure them against longitudinal movement.

2,184,074
HAND TOOL
Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1938, Serial No. 229,100
2 Claims. (Cl. 294—100)



1. A lamp extractor device comprising a handle having a reduced cylindrical portion projecting from one end thereof, a pair of independent jaw members mounted in centered relation on said reduced portion and projecting beyond the ends thereof, a ferrule engaging the other end of said jaw members for securing them on said reduced portion, a pin passing across said reduced portion adjacent the front end of said ferrule and protruding beyond the edges of said jaw members for limiting their flexing action from their free ends to the front edge of said ferrule, a manually operable resilient lever member having an opening for engaging said jaw members, and another pin having one end engaging said ferrule and said jaw members for securing them collectively against rotary movement on said reduced portion, said pin having its other end engaging a second opening in said lever member for guiding it relative to the flexing movement of said jaw members upon its flexing movement toward said handle for gripping the lamp as effected by the camming action of said lever member on said jaw members.

2,184,075
COLOR TRANSMISSION
Maxwell K. Goldstein, Philadelphia, Pa.
Application June 4, 1935, Serial No. 24,786
9 Claims. (Cl. 179—2.5)

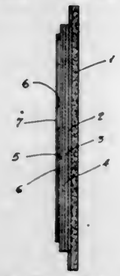


3. The method of transmitting programs and accompanying continuous color effects which comprises recording said program and color effects on a common record in a manner which distinguishes the program from the color effects, creating therefrom a series of electrical impulses having components representing the program and color effects, the character of the color components of said electrical impulses representing in turn the color and intensity of the color effects, modulating a carrier with said impulses and transmitting the same to a destination, subsequently removing the carrier component and separating the resultant components into those representative of the program and those representative of the continuous color effects and simultaneously translating said impulses into the program and color effects.

2,184,076
PROCESS FOR THE PRODUCTION OF RUBBER SUBSTITUTE (FACTICE)
Edward Gottesmann, Jerusalem, Palestine, assignor, by mesne assignments, to Karl Werner Posnansky, New York, N. Y.
No Drawing. Original application March 22, 1935, Serial No. 12,518. Divided and this application October 9, 1936, Serial No. 104,900. In Germany March 26, 1934
12 Claims. (Cl. 260—399)

1. Process for the production of rubber substitute which consists in bringing about a reaction between unsaturated oil and hydrogen polysulphide.

2,184,077
DECALCOMANIA TRANSFER
Frank Hart, Los Angeles, Calif.
Application June 20, 1938, Serial No. 214,629
10 Claims. (Cl. 41—33)

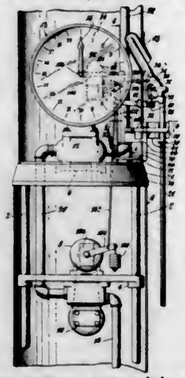


1. A decalcomania transfer comprising a decalcomania paper carrying a water soluble film on a surface thereof, a water insoluble adhesive film upon said water soluble film, a sealer film on the surface of said water insoluble film opposite the water soluble film, said sealer film adapted to have applied thereon a transfer design, and whereby when the decalcomania transfer is wetted, the water soluble film is released from the water insoluble adhesive film for application of said adhesive film to an object.

2,184,078
METHOD OF SINTERING FINELY DIVIDED FLUORSPAR
Reed W. Hyde, Summit, N. J.
No Drawing. Application September 22, 1938, Serial No. 231,163
5 Claims. (Cl. 75—5)

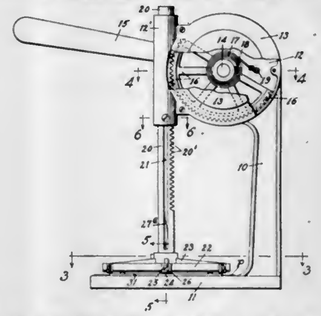
1. A process of sintering fluorspar which comprises admixing finely divided fluorspar with a moistened inorganic plastic cementing material, forming the mixture into pellets, and sintering said pellets in a shallow bed with a down blast of air.

2,184,079
HOSE LOCKING MECHANISM FOR DISPENSING PUMPS
Harry E. Kampf, Jackson Heights, N. Y., assignor to Neptune Meter Company, a corporation of New Jersey
Application February 14, 1936, Serial No. 63,820
12 Claims. (Cl. 221—95)



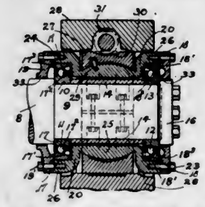
1. A dispensing pump comprising an indicator, means for resetting the indicator to zero, dispensing means consisting of a hose and nozzle, a source of liquid supply to which said dispensing means are connected, means for initiating and terminating flow of liquid from said source to said dispensing means, a movable support for the dispensing means controlling operation of said means for initiating and terminating flow of liquid, releasable gripping means for gripping the dispensing means to retain the latter on the support constructed to permit movement of the dispensing means relatively to said gripping means to actuate said initiating means and means operatively connected to the resetting means and actuated by movement of the dispensing means for releasing the gripping means to allow removal of the hose from the support only after the indicator has been reset to zero.

2,184,080
HAMBURGER PRESS
Frank M. Miller, Santa Monica, Calif.
Application December 29, 1938, Serial No. 248,294
6 Claims. (Cl. 107—15)



1. In a machine for making hamburgers, a body having a base to receive papers on which meat balls are placed, a plunger with pressure head, means for moving said plunger and pressure head down to press said meat ball into a cake, a disc carried on the underside of said pressure head to engage with said meat ball, fixed means on the face of said disc to engage with the meat ball, and means for causing a rotative movement of said disc on its upward movement to release a meat cake from said pressure head and said disc.

2,184,081
BALL BEARING
Cecil George Quick, London, and Henry William Shadrack, Danbury, England, assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application June 2, 1936, Serial No. 83,028
In Great Britain August 10, 1935
5 Claims. (Cl. 308—189)



1. In a bearing, the combination of spaced bearing elements, each consisting of an outer

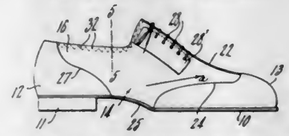
race, an inner race and anti-friction members therebetween, the outer races shaped to produce a radial compressional load on said members upon axial movement between the inner and outer races, a circumferentially extending one-piece spool-shaped housing member having end portions of the same external diameter to laterally receive in each outer end thereof one of said spaced bearing elements, the end portions also enclosing said outer races, and having a convex spherical portion extending intermediate between the inner ends of said end portions, the largest external diameter of which does not exceed the external diameter of the end portions, an outer circumferential supporting member having a concave spherical portion, said member having a width less than the space between the inner parts of said end portions and extending into said space and forming a seating for the said convex spherical portion of the one-piece housing member, with means for enabling the axial position of the two outer spaced races to be adjusted, whereby radial clearances may be eliminated, and the bearing rendered self-aligning by the provision of the said spherical surfaces.

2,184,082

SHOE EMBODYING STRETCHABLE LEATHER IN ITS CONSTRUCTION

Edward F. Roberts, Rye, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application July 9, 1937, Serial No. 152,710
2 Claims. (Cl. 36—51)



1. An oxford shoe having a substantial portion of the upper thereof including the part that creases across the top of the foot when the toes are bent formed of elastic plied material consisting of a smooth unwrinkled sheet of stretchable leather having a backing of one-way stretch woven elastic fabric adhesively secured thereto, a right and left section of said plied material being united in the shoe by a central seam extending up the instep and arranged so that the direction of maximum stretch of each section is along a line extending from adjacent the shank of the shoe frontwardly in an upwardly inclined direction to a point where said seam extends across said crease, each of said sections extending down to the sole at the shank of the shoe, whereby said sections will contract and stretch with the foot movement to prevent the formation of any appreciable transverse creases across the top of the foot.

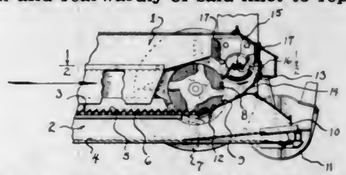
2,184,083

CORN HUSKER AND SHREDDER

Henry L. Rosenthal and August Rosenthal, Wauwatosa, Wis., assignors to Rosenthal Manufacturing Co., West Allis, Wis.

Application October 31, 1938, Serial No. 237,899
4 Claims. (Cl. 130—5)

1. In a corn husker and shredder having a reciprocative shaker trough and a blower conveyor positioned at one side of said trough, said blower having an inlet positioned above said trough for receiving material therefrom, and a rotary beater journaled transversely above said trough and rearwardly of said inlet to repel ma-



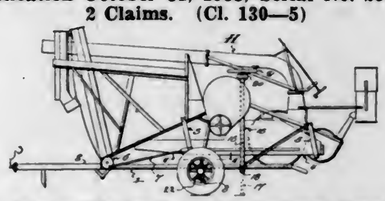
terial toward the axis of said inlet and in a direction opposite to the feed of the shaker trough.

2,184,084

TRAILER IMPLEMENT

Henry L. Rosenthal and August Rosenthal, Wauwatosa, Wis., assignors to Rosenthal Manufacturing Co., West Allis, Wis.

Application October 31, 1938, Serial No. 237,902
2 Claims. (Cl. 130—5)



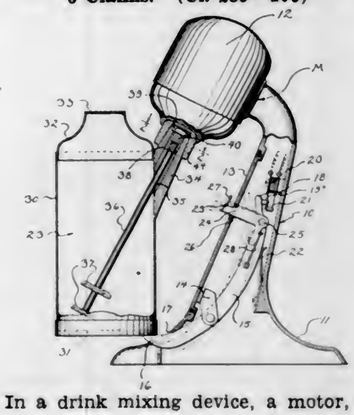
1. In a mobile implement including a frame, an axle, supporting wheels for the frame, means detachably connecting the wheels to the axle, and a power-driven shaker element on said frame tending to impart longitudinal vibration to the frame and creeping action to the implement; of means for supporting the frame on the ground independent of said wheels when the implement is stationary and when the shaker element is in use, including jacks mounted upon the frame adjacent to the axle for initially raising the frame whereby to permit easy removal of the wheels from the frame, feet on the axle for supporting the frame from the ground when the jacks are lowered, and a V-shaped supporting foot adjacent to the front of the frame and in spaced relation to the feet for engaging the ground and supporting the frame in conjunction with the feet.

2,184,085

DRINK MIXER

George D. Ruetz, Racine, Wis.

Application May 26, 1938, Serial No. 210,155
6 Claims. (Cl. 259—106)



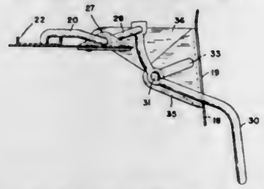
1. In a drink mixing device, a motor, a support for holding the motor in an elevated position, said motor including a depending armature shaft, a casing having a socket in axial alinement with the armature shaft, a drink mixing cup adapted to be disposed below the motor, an angularly extending sleeve on said cup adapted to be detachably received in the socket, a rotatable mixing rod carried by the sleeve extending into the cup having agitating means thereon, and a coupling for detachably connecting the rod with the armature shaft.

2,184,086

LATCHING MECHANISM

Walter S. Saunders, Pontiac, Mich., assignor to The American Forging and Socket Company, Pontiac Mich., a corporation of Michigan

Application October 21, 1938, Serial No. 236,263
1 Claim. (Cl. 292—217)



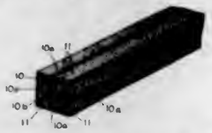
Latching means comprising in combination with a portion to be releasably held, a bolt member movable into and out of holding engagement therewith, and operating means for so moving the bolt member, including a rotatable and torsionally flexible shaft operatively connected thereto, means for turning the shaft to project the bolt member into and to retract the same from the holding position, means for maintaining the shaft torsionally flexed when turned to the holding position, whereby its torsional flexibility yieldably urges the bolt member more tightly toward holding position, including a crank portion, an arm pivoted thereto, means supporting the arm for pivotal and sliding movement, the sliding movement of the arm allowing movement thereof into and out of a holding position in which said shaft is so torsionally flexed, and an abutment portion preventing return movement of said arm from said abutment portion, the resiliency of the shaft when so flexed yieldably maintaining said arm in said holding position in engagement with said abutment portion.

2,184,087

COMPOSITE PACKING MATERIAL

Gustav E. Schwarz, Hempstead, N. Y.

Application April 22, 1939, Serial No. 269,551
6 Claims. (Cl. 288—18)



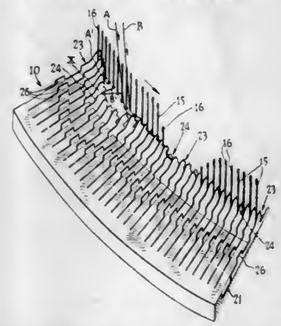
1. Composite packing material in strip form comprising a fluted skeleton structure of flexible resilient material, having flute-defining arms of substantially uniform thickness throughout the said fluted skeleton structure having a substantially cross-shaped configuration in right section taken transversely of its length, and packing material bonded into the flutes of said fluted skeleton structure, said fluted skeleton structure and said packing material being substantially coextensive lengthwise, and the said packing material within any one flute being completely separated, by said fluted skeleton structure, from the said packing material in the other flutes.

2,184,088

KNITTING MACHINE

Max Weinberg, New York, N. Y., assignor to Max Weinberg Knitting Co., Inc., Brooklyn, N. Y.

Application June 29, 1938, Serial No. 216,536
5 Claims. (Cl. 66—93)



1. In a circular, rotary knitting machine, a cylindrical needle ring, means for rotating the same, a plurality of spaced knitting needles mounted on said ring for vertical sliding movement thereon, cam means for reciprocating said needles as said ring rotates with said needles, an annular ring fixed to said needle ring for rotation therewith, sinkers alternating with said needles, mounted on said ring for radial horizontal sliding movement, cam means to reciprocate said sinkers, certain of said sinkers having a pair of notches spaced, one at a higher level than the other, other sinkers located between a pair of the first sinkers having a notch similar to the lower of the pair of notches on said first sinkers, and a cutting edge above said notch and below the level of the higher notches in said first sinkers, means for feeding a pair of yarns between said sinkers and needles, the lower notches of the first sinkers and the notches of the second mentioned sinkers being adapted to receive one of said yarns, the upper notches of said first sinkers being adapted to receive the other of said yarns, the cutting edges of said second sinkers being adapted to move beneath said second yarn and to cut said yarn, upon reciprocating the second sinkers.

2,184,089

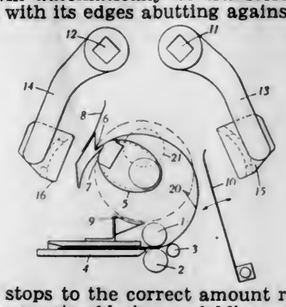
MEANS FOR RECEIVING BODIES OF TINS AND FEEDING THEM TO SOLDERING OR FOLDING MANDRELS

Otto Achtermann, Partenkirchen, and Friedrich Schiller, Goppingen, Germany, assignors to L. Schuler A. G., Goppingen, Wurttemberg, Germany

Application January 19, 1937, Serial No. 121,330
In Germany January 21, 1936
4 Claims. (Cl. 113—7)

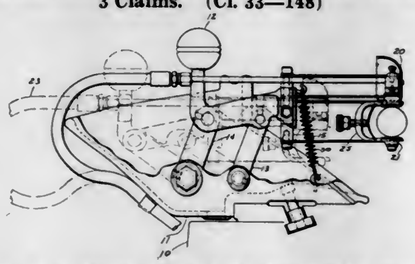
1. In a machine for the manufacture of tins having bending rollers for bending a sheet blank, the provision of a rotatable support arranged parallel and adjacent to said bending rollers and provided with overlapping stops to position the edges of the curved tin bodies said support being so located with regard to the bending rollers that on ejection from the bending rollers the

blank will automatically be transferred to said support with its edges abutting against the over-



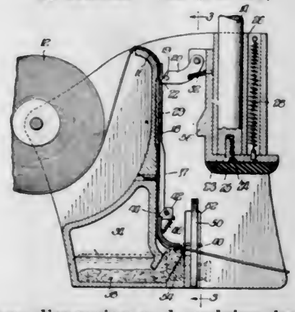
lapping stops to the correct amount required for the subsequent soldering or folding operation.

2,184,090
SIZING DEVICE
Harold E. Balsiger, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a corporation
Application October 9, 1936, Serial No. 104,878
3 Claims. (Cl. 33—148)



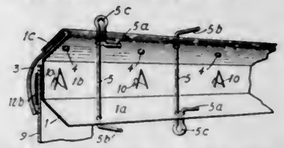
1. In a device of the kind described a pair of work engaging elements, means for supporting said elements in work engaging relation comprising a series of flexible resilient strips normally in parallel relation, the outside strips each being attached to one of the work engaging elements, the inside strips being mounted so that adjacent inside and outside strips support different work engaging elements.

2,184,091
TAPE DISPENSER
Arthur Bennett, Chicago, Ill.
Application July 25, 1938, Serial No. 221,143
10 Claims. (Cl. 216—23)



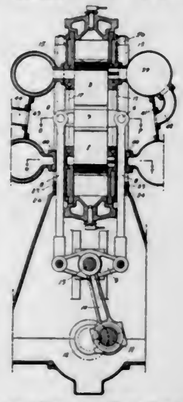
1. A tape dispensing and applying device of the character described, having, in combination, means for receiving and supporting a roll of tape, a vertical guide across the surface of which the tape is moved during a dispensing operation, a ramp adjacent said guide, a plurality of overlying flanges cooperating with said guide, and a feeding mechanism, said mechanism comprising a vertically movable presser foot and a tape-engaging pawl carried by said presser foot, said pawl being adapted to engage the ramp to disengage the pawl from the tape to stop the forward feeding movement of the tape.

2,184,092
FLASHING STRUCTURE
John Arlon Buick, Detroit, Mich.
Application March 7, 1938, Serial No. 194,316
1 Claim. (Cl. 108—26)



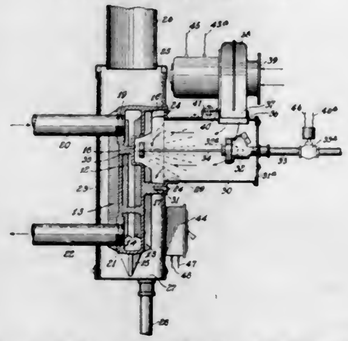
Means for supporting a flashing sheet in weather-protective relation to the margin of a roofing sheet when the latter is upturned against the surface of a vertical wall, comprising, in combination with such flashing sheet, a plurally bent sheet metal member adapted to be anchored within the mass of said wall with selected portions thereof lying in substantial coincidence with that surface of the wall against which the described upturned edge of the roofing sheet is positioned, said flashing sheet having on its exposed portion a series of penetrating projections adapted to serve as means for attaching the same to the adjacent edge of the roofing sheet, and the upper edge of the flashing sheet being adapted to extend inwardly of the mass of the wall to a position of propinquity to a portion of said included sheet metal member, and connecting members for structurally correlating the flashing sheet and said sheet metal member.

2,184,093
DOUBLE-ACTING TWO-CYCLE DIESEL ENGINE
Charles G. Curtis, New York, N. Y.
Application April 3, 1937, Serial No. 134,708
7 Claims. (Cl. 123—61)



1. A double-acting engine having two single-acting cylinders and pistons working in opposite direction and mechanically connected so as to move together and by side rods outside the cylinder to a crosshead or yoke carrying the crosshead pin which operates the main connecting rod, such side rods passing through clearance holes in bosses formed in the scavenging passage so as to eliminate the packings at these points.

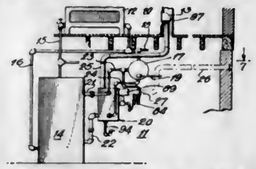
2,184,094
HUMIDIFYING APPARATUS
Robert E. Daly, New York, and Bernard Goerg, Bronxville, N. Y., assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application November 25, 1936, Serial No. 112,814
5 Claims. (Cl. 261—12)



5. A unitary humidifying attachment for household boilers, comprising a hollow heating element including inlet and outlet pipe connections for the circulation therethrough of heating fluid from a boiler, said element including a pair of opposed upright side walls of relatively large areas, respectively, and bottom, top, and end walls joining the side walls at their marginal edges and spacing such side walls apart a relatively small distance to provide therewith a relatively thin, slab-like body; a casing enclosing said heating element and including a pair of opposed side walls and a bottom wall spaced respectively from the element side and bottom walls to provide therewith an approximately U-shaped air passage extending about said element; said casing having an air inlet opening in one side wall thereof at the top of one leg of said U-shaped passage and an air outlet opening at the top of the other leg of said passage; means above said inlet opening for closing the upper end of said one leg of the passage; a humidifier casing secured to the outside of said first-named casing about said air inlet opening; a water spray device in said humidifier casing; a blower secured to said humidifier casing and operable to force air through said water spray and said air inlet opening and against the upper end of the adjacent element side wall and then through said air passage and the air outlet opening.

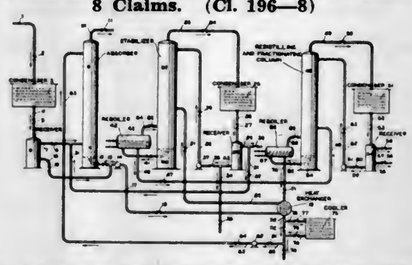
2,184,095
HEATING AND AIR CONDITIONING APPARATUS
Robert E. Daly, Bronxville, and Bernard Goerg, Scarsdale, N. Y., assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application November 10, 1937, Serial No. 173,760
6 Claims. (Cl. 237—19)

6. In apparatus of the character described, the combination with a boiler containing a fluid for heating room spaces, of a unitary externally arranged attachment for the boiler and operable to heat water for domestic use and to supply humidified air to the room spaces and comprising walls defining a hollow housing, pipe connections connecting the interior of said housing to said boiler and providing for the circulation of the boiler fluid through said housing, a tubular heat-exchange device arranged within said housing with the external surfaces thereof in thermal contact with the boiler fluid and having end pipe



connections extending through said housing and adapted to be connected into a hot water supply system, walls defining a casing enclosing said housing and spaced from said housing walls to provide an air passage therebetween having inlet and outlet ends, blower means carried by said casing and providing for the flow of air through said passage, and means within said casing for introducing a stream of finely divided water into the air as it enters said passage; and conduit means connected to the outlet end of said passage and adapted to connect said unitary attachment with said room spaces.

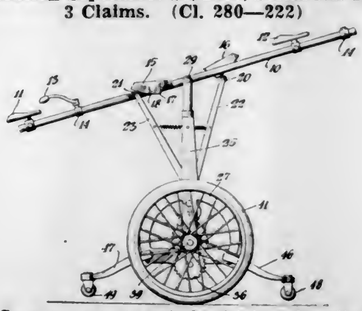
2,184,096
TREATMENT OF HYDROCARBON OILS AND GASES
Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 23, 1937, Serial No. 138,564
8 Claims. (Cl. 196—8)



8. A process for obtaining polymerizer charging stock from the separated pressure distillate of substantially gasoline boiling range and normally incondensible gases produced in the cracking of hydrocarbon oil, which comprises stabilizing said distillate of substantially gasoline boiling range to liberate dissolved normally gaseous hydrocarbons therefrom, separating the stabilized distillate into relatively light and heavy fractions, scrubbing said incondensible gases with at least a portion of said heavy fraction to absorb in the latter heavier polymerizable components of the gases and to separate these components from lighter unpolymerizable components of the gases, isolating the unabsorbed gases from the process, supplying the enriched portion of the heavy fraction to the aforesaid stabilizing step to free the same of the absorbed heavier components of the gases and to combine these components with said normally gaseous hydrocarbons

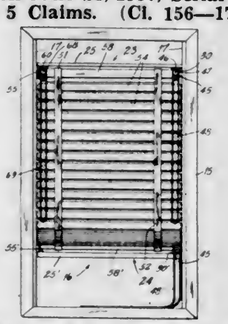
liberated from the distillate, and recovering as said polymerizer charging stock, independently of said unabsorbed gases, the overhead product of the stabilization.

2,184,097
SEESAW OPERATED VEHICLE
Albert Grampp, New York, N. Y.
Application September 24, 1937, Serial No. 165,474
3 Claims. (Cl. 280—222)



1. In a seesaw operated vehicle, a longitudinally slotted seesaw operating rod or bar, a support therefor to which said rod is pivoted at its center, a pair of cams, one on each side of said rod, means engaging in the slots of said rod to adjust said cams, operating rods pivoted intermediate their ends to the vehicle frame, and carrying rollers to be engaged by said cams to actuate said levers upon the operation of said rod, a system of gears, means on said levers to operate said system of gears upon the operation of said levers, and means to transfer the operation of said gear system to the vehicle wheels.

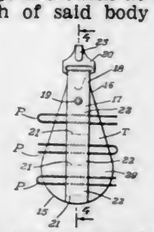
2,184,098
VENETIAN BLIND
Charles A. Lemp and Leroy H. Russell, St. Louis, Mo.
Application June 24, 1937, Serial No. 150,018
5 Claims. (Cl. 156—17)



1. A blind comprising an upper carriage, said carriage including a non-rotatable member and a rotatable member suspended from said non-rotatable member, slats suspended from said rotatable member, and means for vertically lowering or raising said carriage.

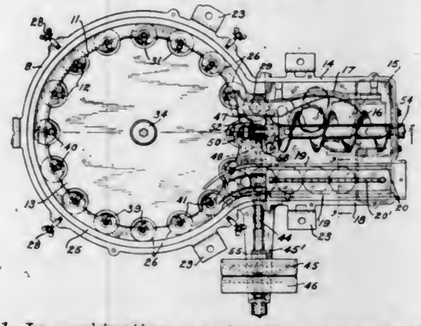
2,184,099
FACE LIFTING DEVICE
Sadie MacDonald, Los Angeles, Calif.
Application August 7, 1937, Serial No. 157,985
1 Claim. (Cl. 128—76)

A device of the character described comprising a tapered freely pliable body of transparent material having an adhesive covering one face thereof, and a strip of less width than the body disposed at the opposite side of the said body and having tackings therewith at intervals throughout the length of said body for effecting flat



relatively long loops spaced from opposite edges of said body to facilitate insertion of a hairpin into an end of each loop so that the hair can be clamped between the ends of each hairpin and the pliable body and in covering relation to the strip and the body.

2,184,100
CAN WASHER
Henry Mondloch, Cedarburg, Wis., assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application February 13, 1937, Serial No. 125,568
7 Claims. (Cl. 141—7)

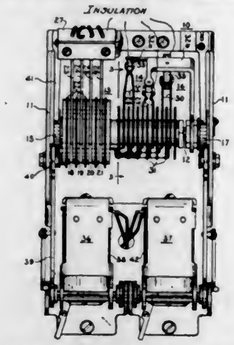


1. In combination, a casing forming a substantially circular cleansing chamber having adjoining can inlet and discharge portions forming a part of the chamber and extending away from the same side thereof, a fixed shaft projecting centrally into said chamber, a series of spray nozzles revolvable within said chamber about the axis of said shaft, means for transporting inverted receptacles in succession through said chamber in alinement with said nozzles, and a screw conveyor confined within said inlet chamber portion and being rotatable about an axis intersecting said shaft axis, and a twisted guide cooperating with said screw to invert and to deliver the successive receptacles in inverted position upon said transporting means.

2,184,101
CIRCUIT CONTROLLING DEVICE
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 28, 1938, Serial No. 192,960
10 Claims. (Cl. 200—105)

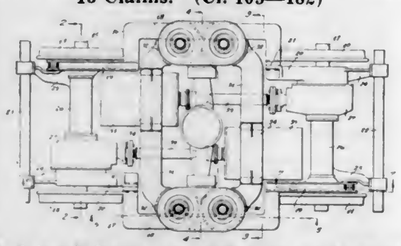
1. In a cyclically operating circuit controlling device, first and second members independently

movable in the same direction along a common path, said members having a synchronous position with respect to each other which may occur at any point along said path, circuit controlling contacts controlled jointly by said members and closed when said members occupy a predetermined position with respect to each other, means for moving said first member away from a synchronous position, thereby to initiate a cycle of



operation, means for arresting further movement of said first member after a predetermined movement thereof away from any synchronous position, means for moving said second member to establish a new synchronous position, thereby to complete the cycle of operation, and means for positively arresting further movement of said second member when a new synchronous position is established.

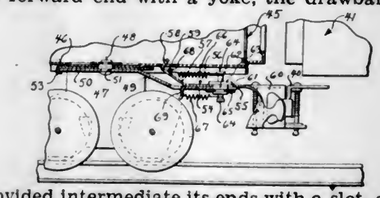
2,184,102
RAIL TRUCK SUSPENSION
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application July 22, 1937, Serial No. 155,083
13 Claims. (Cl. 105—182)



5. A truck frame comprising, in combination, a pair of units, each unit comprising a cross frame member, a torque arm rigidly connected to and extending from one end of said member and constituting a side frame member, and elastic torsion resisting means engaging the other end of said cross member, the torsion resisting means of one unit being housed in the free end of the torque arm of the other unit.

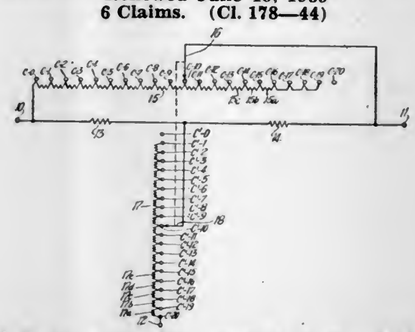
2,184,103
CENTERING DEVICE FOR TOY TRAIN COUPLERS
Norval Rydin, Chicago, Ill.
Application December 18, 1937, Serial No. 180,616
2 Claims. (Cl. 213—100)

1. In a toy train, a car having a bottom wall provided with a slot, a car truck pivotally connected to said bottom wall for swinging movement, a coupler including a drawbar having a pivot member formed on its rear end received in said slot, a centering lever carried by the truck for swinging movement therewith extending under and supporting the drawbar and provided at its forward end with a yoke, the drawbar being



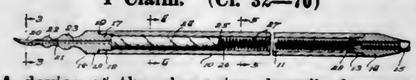
provided intermediate its ends with a slot, a pivot member received in said slot and the yoke of the drawbar, a contractile coil spring connected to the drawbar adjacent to its rear end and to the pivot member, and a contractile coil spring connected to the centering lever and to the pivot member.

2,184,104
ATTENUATION NETWORK
John P. Smith, Jr., Ridgewood, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey
Application August 28, 1937, Serial No. 161,502
Renewed June 15, 1939
6 Claims. (Cl. 178—44)



1. In an attenuation network, a pair of fixed resistances connected in series, a third and a fourth resistance, an equal number of contacts associated with each of said third and fourth resistances, certain contacts of one of said third and fourth resistances being strapped together, and a pair of interconnected switch arms adapted to simultaneously engage corresponding contacts, said third resistance and its associated switch arm being bridged across said fixed resistances and the contact switch arm for said fourth resistance being connected between said fixed resistances.

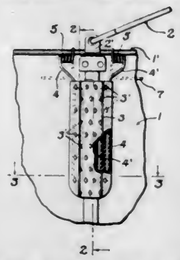
2,184,105
DENTAL INSTRUMENT
Stanley L. Steiner, Chicago, Ill.
Application December 22, 1937, Serial No. 181,070
1 Claim. (Cl. 32—70)



A device of the character described, comprising a hollow cylindrical handle having a spatula detachably secured in one end thereof, said spatula having a spoon-shaped portion provided at the free end thereof and a longitudinal bore for

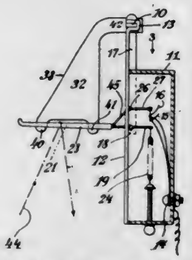
establishing communication between said spoon-shaped portion and said hollow cylindrical handle, a member detachably secured to the other end of said cylindrical handle, a wax stick disposed within said handle, and a coil spring also arranged within said handle for normally urging said wax stick toward said spatula end, said coil spring having a washer at one end thereof fixed thereto for engagement with one end of said wax stick and the other end of said coil spring being secured to the member disposed within the end of the cylindrical handle remote from the spatula end.

2,184,106
LEG-GRIPPING ATTACHMENT FOR MILK PAILS
Waldo B. Stevens, Tigerton, Wis.
Application December 20, 1937, Serial No. 180,790
1 Claim. (Cl. 31—54)



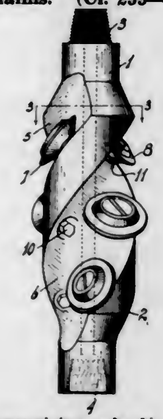
A gripping attachment for pails comprising, a pliable plate and reinforcing wires embedded in said plate having wire terminals extending from the upper portion of the plate, the wire terminals being formed with transversely disposed intermediate coils for engagement with the under surface of a pail bead, and the terminals of said coils forming loops with feet portions for engaging the inner walls of a pail.

2,184,107
STOP MOTION FOR KNITTING MACHINES
Michael Wachsman, Brooklyn, N. Y.
Application February 5, 1938, Serial No. 188,888
2 Claims. (Cl. 66—163)



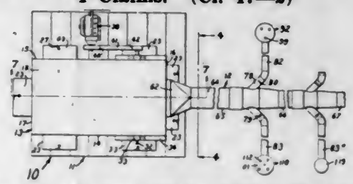
1. In a stop mechanism for knitting machines a circuit closer unit comprising a contact box, electric circuit terminal members in the box, a bar secured to the box, said bar having a depending bearing portion, a spring held knot detector shaft pivoted in the box and in said bearing portion between the same, said knot detector shaft including thread supporting fingers extending forwardly therefrom, said shaft having a contact member to engage one of the circuit terminals when said fingers are pulled down, a spring held end detector pivoted in the box and extending forwardly thereof between the knot detector fingers and the box and having a contact heel to engage one of the circuit terminals when the end detector is moved upwardly beyond a predetermined position, said end detector having a thread supporting finger positioned to be held alongside the knot detector fingers by a thread placed on the end detector finger, a spring continuously tending to move the end detector to bring its thread supporting finger above the knot detector fingers and move it to a circuit closing position and solid guard blades adjustably and removably supported on said bar and extending therefrom between the fingers aforesaid to hold the end detector against closing the circuit so long as a thread lies over the end detector finger, said guard blades forming with the said fingers thread enclosing spaces to prevent accidental escape of the thread.

2,184,108
REAMER
Swan M. Akeyson, Long Beach, Calif.
Application December 20, 1935, Serial No. 55,385
13 Claims. (Cl. 255—73)



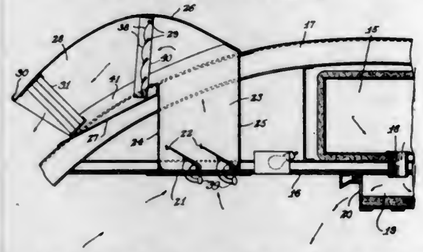
1. A reamer comprising a body, said body having spiral grooves formed therein, cutters rotatably mounted in said grooves, said cutters protruding beyond the periphery of the body.

2,184,109
ORCHARD HEATING APPARATUS
Charles H. Ames, Whittier, Calif.
Application August 30, 1937, Serial No. 161,539
4 Claims. (Cl. 47—2)



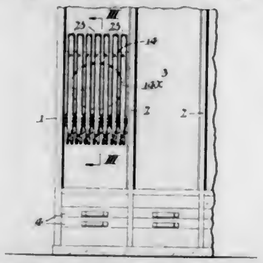
1. In an orchard heater, a housing having an outlet, means to direct heated products of combustion and warmed air through the outlet, a distributing unit communicating with said outlet, an outlet communicating with said distributing unit, an elbow, the outer end of said outlet flaring outwardly, a support member in said outlet elbow, a closure member having a shaft rotatable on said support, said closure member having a top portion, inwardly directed tongues punched from said top portion, said top portion having vanes thereon.

2,184,110
AIR CONDITIONING SYSTEM
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application October 1, 1937, Serial No. 166,805
2 Claims. (Cl. 98—19)



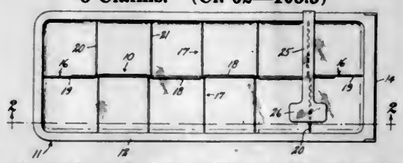
1. An exhaust air ventilator for a railway passenger car having a roof and having an opening in the roof to one side of the center thereof for the exhaust of air from said car, comprising a curved hood having one end terminating at said roof adjacent the inner edge of said opening, said hood extending over said roof down along same towards the side of said car nearest said opening and having its other end, spaced from said roof to form an air outlet to the atmosphere, and a substantially flat member having one end terminating adjacent the outer edge of said opening and having its other end at a lower level, said member extending underneath said hood and forming with same, an exhaust air passage above said roof, said other end of said hood being turned upwardly to form a gutter.

2,184,111
PRINTER'S TYPE CABINET
Alfred B. Bell, Gardner, Mass.
Application October 15, 1938, Serial No. 235,194
9 Claims. (Cl. 276—45)



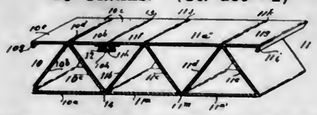
1. A printer's type cabinet having spaced side walls and an open front; guide channels attached to the side walls and inclining downwardly toward the front of the cabinet, each channel having a crosswise stop at the lower end of its bottom flange; shelves engaging corresponding guide channels on the respective side walls, each shelf having correspondingly allocated spaced notches in its side edges capable of being selectively engaged over the end stops on the bottom flanges of the corresponding guide channels; and a plurality of type chutes mounted on each of the said shelves.

2,184,112
REFRIGERATION
Gustav Mårten Blomqvist and Sture Folke Torstensson, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 24, 1937, Serial No. 155,374
In Germany August 14, 1936
8 Claims. (Cl. 62—108.5)



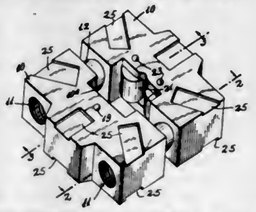
1. A grid unit for refrigerators including a plurality of U-shaped partitions or wall members, the closed ends of said members being substantially in alignment and the sides of adjacent members extending in opposite directions from the longitudinal axis of the grid unit, said members having vertically extending slits in the sides thereof adjacent the closed ends, and a flat strip extending through the slits to hold said members together as a unit.

2,184,113
BUILDING CONSTRUCTION
Salvator S. Calafati, New York, N. Y., assignor of four-fifths to Annunziata Calafati and one-fifth to John M. Cole, both of New York, N. Y.
Application March 5, 1935, Serial No. 9,436
16 Claims. (Cl. 189—1)



1. A structural member for building walls, floors and the like, comprising a single piece of longitudinally bent sheet metal of indefinite length and uniform cross section, said cross section comprising the base and sides of a triangle to provide a longitudinally extending cell of triangular cross section, the piece of metal having outwardly bent extensions at the apex of the triangle parallel with the base, whereby the structural member has two parallel opposed faces and interconnecting diagonal elements, the contiguous parts of the member being welded together along the apex of the triangle to prevent spreading and insure alignment.

2,184,114
PIPE CUTTER WITH A REMOVABLE HANDLE
Carl Edvard Carlsen, New York, N. Y.
Application September 9, 1938, Serial No. 229,079
2 Claims. (Cl. 30—96)

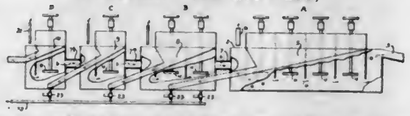


1. A pipe cutter comprising a pair of substantially flat, metallic members engageable, re-

spectively, on opposite sides of a pipe, each of said members having a hollow central portion for accommodating a part of rotatable pipe-engaging apparatus and having bores extending from end to end immediately inward from the side edges thereof, adjusting means in said bores for adjustably holding said members together, said members formed with a plurality of pairs of opposed recesses in their upper and lower faces extending inwardly from the side and end edges thereof and embracing the bores whereby an open-faced wrench may successively be engaged in said pairs of recesses for rotating said cutter.

2,184,115
APPARATUS FOR FLOTATION CONCENTRATION OF ORES

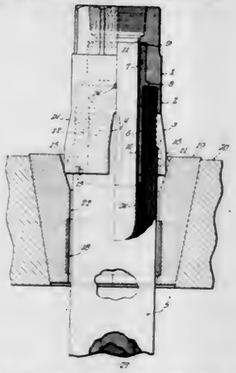
Hugh W. Coke, Juneau, Territory of Alaska
Application September 27, 1938, Serial No. 231,891
4 Claims. (Cl. 209—168)



1. In a flotation apparatus including a plurality of cleaner cells, a feeder for feeding a selective flotation reagent to one or more of the cleaner cells, an electric motor for driving the feeder, means for delivering air to aerate the cells, a valve for each cell to control the delivery of air thereto, means for opening the circuit through the motor to intermittently stop the feed of the reagent to the cells, and means for closing the air controlling valves during the feeding of the reagent and for opening the valves when the motor circuit is open.

2,184,116
COUPLING

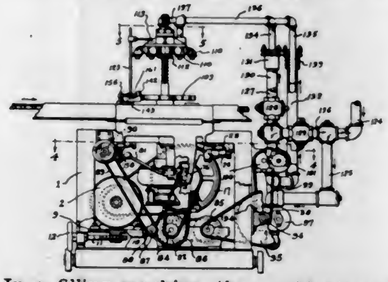
Joseph Peter Eastman, Manitowoc, Wis.
Application August 27, 1937, Serial No. 161,182
4 Claims. (Cl. 285—76)



1. A coupling for a hose comprising a body portion adapted to receive a hose and to be secured thereto, an insert carried by said body portion and securely attached thereto and adapted to enter the hose, and a rubber covering on the interior of said insert extending around the inner end thereof and clamped between such end and the body portion, said insert having an external flange and said body portion having a part against which said flange seats to prevent cutting of the clamped portion of said covering, said coupling having a relief space surrounding the clamped portion of said covering of the insert for receiving the overflow from said clamped portion of the covering of the insert.

2,184,117
FILLING MACHINE OF THE CONTINUOUS VARIETY

Paul R. Fechheimer, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application March 17, 1937, Serial No. 131,427
13 Claims. (Cl. 226—97)

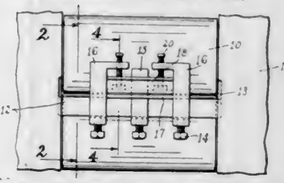


1. In a filling machine, the combination of a continuously moving carrier for containers, a discharging element for a container continuously movable with a container, a plurality of feeding means, and means for connecting said discharging element serially with said feeding means, each of said feeding means arranged to deliver a measured quantity of material per unit of time, and means interconnecting said feeding means, whereby the relative rates of feeding are governed.

12. In combination with a rotary table and star-wheel, a prime mover, a power transmitting connection therebetween, means movable by a displaced container on said table for rendering said motion transmitting connection ineffective, and means adapted to enter the spaces in said star-wheel in the absence of a container to render said motion transmitting connection ineffective.

2,184,118
GUIDE FOR ROLLING MILLS AND OTHER MACHINES

William J. Glenn, Ansonia, Conn.
Application May 22, 1937, Serial No. 144,144
8 Claims. (Cl. 80—51)

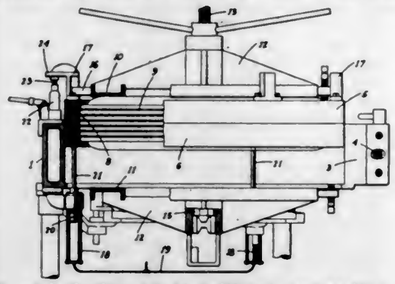


1. In a guide for introducing strip metal to the bite of co-acting rolls, two outer guides, an intermediate guide for guiding two strips, and a single peg and plate cooperating with said guides.

2,184,119
MEANS FOR REMOVING A TIRE FROM A VULCANIZING MOLD

Edwin A. Glynn, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application March 15, 1938, Serial No. 195,991
10 Claims. (Cl. 18—18)

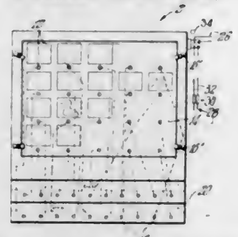
9. A tire vulcanizing mold including a matrix unit comprising a pair of endless cooperating matching matrix sections to surround and enclose a tire, a heating device about and closely engaging both sections when the latter are in operation, means to relatively move the matrix



unit and device apart without separating the matrix sections until one section is free for tilting movement and means applied to said one section to tilt the same.

2,184,120
EDUCATIONAL APPARATUS

Raymond E. Harris, Agawam, Mass.
Application July 27, 1938, Serial No. 221,513
1 Claim. (Cl. 35—9)



In apparatus of the class described which includes a signal and a source of electrical energy the combination of, a substantially flat support member having a relatively enlarged rectangular recess and an elongated straight-sided slot in its forward face, a rectangular card member removably seated in said recess and having a plurality of various indications thereon, a strip member removably seated in said slot and having a plurality of various other indications thereon, each of the indications on said card member being positively related to one only of the indications on said strip member, said card member being provided with a plurality of spaced openings therethrough and having one opening located adjacent each indication thereon, a plurality of spaced contact members extending outwardly from within said recess, one of said contact members extending through each of said openings in the card member and above the plane thereof so as to be adjacent one certain indication on the card member, a straight row of spaced contacts on said support member adjacent a marginal edge of said slot, one of said contacts being located adjacent each indication on the strip member therein, a pair of relatively movable contact-making members carried by said support member, and a plurality of separate electrical circuits carried by said support member, each of said circuits including the signal and the source of electrical energy and one certain contact member and one certain contact and each of said contact members being in circuit with that one only of said contacts which is located adjacent the certain indication on said strip member which relates to the certain indication on said card member which is located adjacent that particular contact member.

2,184,121
ART WORK

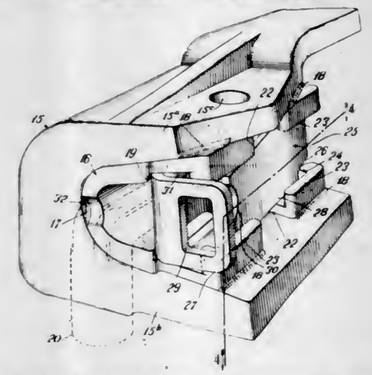
Henry Henriksen, Minneapolis, Minn.
Application July 18, 1938, Serial No. 219,777
13 Claims. (Cl. 41—24)



4. A process of making art work having an area of artistic representations and a contiguous integrally formed decorative frame which comprises forming an area of artistic representations upon a foil, thereupon superimposing another foil having artistic representations complementary to those of another foil, overlying said foils with additional foil having frame representations thereon, permeating said foils with a hardenable relatively clear resin and hardening said resin permeated foils into a shape having a smooth clear surface co-extensive with said area of artistic representations and a frame configuration by pressing said foils in a mold of such configuration.

2,184,122
BRAKE HANGER SUSPENSION MEANS

Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application April 24, 1939, Serial No. 269,573
18 Claims. (Cl. 188—209)



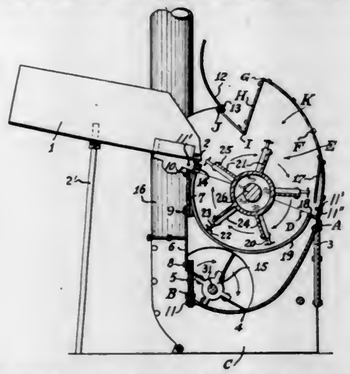
1. Brake hanger suspension means comprising a wear element formed to support a bracket hanger or link and adapted to seat in the socket in the bracket of a truck side frame and to be secured thereto; and a retainer element adapted to be disposed transversely through the forward end of the wear element and effect locking engagement therewith and to transmit encountered hanger thrusts to the wear element.

2,184,123
REVERSIBLE HOOD AND CHUTE FOR GRINDING MACHINES

Henry J. Mankoff, Wichita, Kans.
Application March 28, 1938, Serial No. 198,471
2 Claims. (Cl. 83—11)

2. In a reversible hood and chute for grinding machines, a machine of the class described, a frame, a hood portion removably seated on the frame, the line of separation between said frame and hood being on an incline, a grinding cylin-

der trunnioned in the frame, the axis of which is approximately at the center of the incline, said grinding cylinder arranged to rotate in one direction only and having a plurality of hammers comprised of shanks, the outer ends of which are at right angles to the shanks longitudinally, a cutting disc secured axially on the outer end of each shank of the cylinder, means to connect said shanks to the cylinder, power means to turn the cylinder, the hood having a feed mouth communicating with the cylinder, a bar crossing the hood and carried thereby at the lower extremity



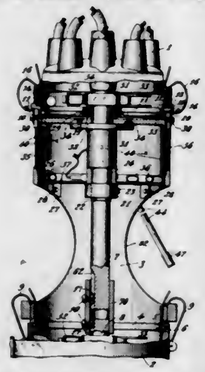
of the mouth, an element V-shaped in cross section crossing the hood, the ridge of which defines the upper and inward extremity of the mouth, said bar and ridge being in working relation to the outer extremity of the cylinder discs as the cylinder rotates, being so arranged, the hood when seated one way on the frame will impinge substance being ground at one side of said bar and ridge, and when the hood is reversed the substance will impinge the other sides of said bar and ridge, and means to convey the material ground to a place of storage.

2,184,124

MECHANISM FOR TESTING IGNITION SYSTEMS

Alexander C. Muller, Long Island City, N. Y., assignor of one-half to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application October 24, 1936, Serial No. 107,365
9 Claims. (Cl. 177—311)



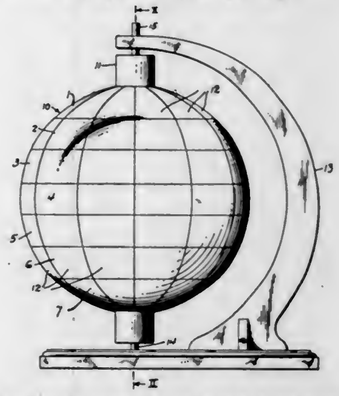
1. A system for testing the distributor in the ignition circuit of a multi-cylinder internal combustion engine, said system comprising means including an auxiliary distributor for firing the cylinders of the engine in their regular order, said auxiliary distributor including means for removably inserting the auxiliary distributor between the breaker point housing and the distributor cap thereof, a rotatable shaft connected to said auxiliary distributor and having means adapted for engagement with the distributor to be tested, an indicator operated by said shaft having a plurality of indicating means rotatable in different parallel planes about said shaft, a gaseous discharge tube disposed within said indicating means, means controlled by the first named distributor and the position of said indicating means for causing said gaseous discharge tube to flash as the breaker contacts of said first named distributor operate, means for adjusting said indicator while in operation to indicate the adjustment of the distributor under test and means providing access to the distributor for adjusting the breaker mechanism thereof while the engine is operated by the first named means.

2,184,125

COLOR DEMONSTRATION APPARATUS

Mary F. Patterson, Berkeley, Calif.

Application November 5, 1938, Serial No. 239,013
5 Claims. (Cl. 35—26)



1. A color demonstration apparatus which comprises a generally spherical apparently solid object built up of separable segments in which colors are displayed on the spherical surfaces of said segments, and scales of color intensity are displayed on the abutting surfaces of the segments in an order which demonstrates the relationship between opposed segments of the solid.

2,184,126

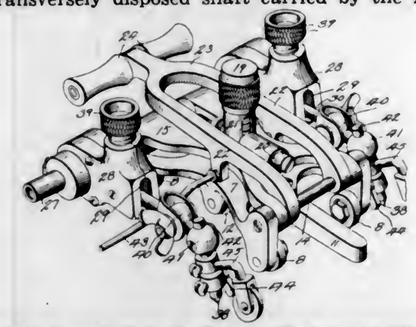
GLASS CUTTING MACHINE

George A. Philippe, Henryetta, Okla., assignor of one-twentieth to H. B. Dowell, one-twentieth to Archie A. Kinion, both of Sand Springs, Okla., one-twentieth to Beulah M. Slaymaker, and one-twentieth to Otho L. Slaymaker, both of Tulsa, Okla.

Application December 16, 1938, Serial No. 246,227
8 Claims. (Cl. 33—32)

1. A glass cutting machine comprising a wheel supported carriage, a trackway on which said carriage is mounted and positively guided, a transversely disposed shaft carried by the forward end of said carriage, a rearwardly extending plate hingedly mounted on said shaft and

extending rearwardly above the carriage, a transversely disposed shaft carried by the rear end of the plate and movable upwardly and downwardly above said rear end, spring means for normally forcing said plate downwardly towards the carriage, cutter carrying arms mounted on the transversely disposed shaft carried by the rear



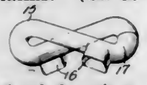
end of the plate and extending forwardly, a hinged handle member mounted on the shaft at the forward end of the carriage and extending rearwardly and cutter arm lifting members carried by the handle and extending outwardly to positions below the cutter carrying arms and in the path thereof.

2,184,127

METHOD OF MAKING ANTISKID TIRE CHAIN LINKS

John R. Reyburn, Fairfield, Conn., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York

Application December 9, 1937, Serial No. 178,871
2 Claims. (Cl. 59—35)



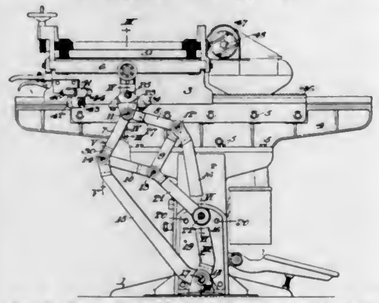
2. The method of forming a curb link provided with diagonally located caulks diverging laterally relatively to the longitudinal axis of the link, from a flat elongated link provided on its outer edge with diagonally located projections extending in the plane of the link, which consists in twisting said elongated link and projections in opposite directions about the longitudinal axis of the elongated link to bring the projections into said diverging relation.

2,184,128

LINING AND BEVELING MACHINE

Vernon E. Royle, Paterson, N. J.

Application February 5, 1937, Serial No. 124,257
7 Claims. (Cl. 90—58)



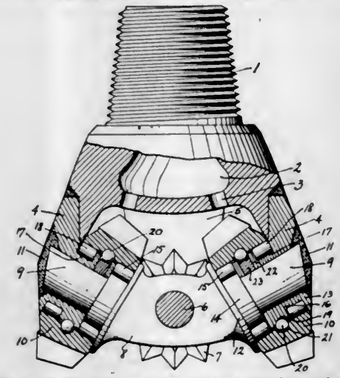
1. In a lining and beveling machine, a flat reciprocating work table offset laterally from the machine, manually operable means for moving the table, said means being mounted on the table, and a vertically disposed oscillating link mechanism pivoted to said table and movable as a unit in a vertical plane for supporting the offset outer side of the table throughout its movement in a straight line.

2,184,129

DRILLING BIT

Thomas H. Stancliff, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application March 20, 1939, Serial No. 262,901
12 Claims. (Cl. 255—71)



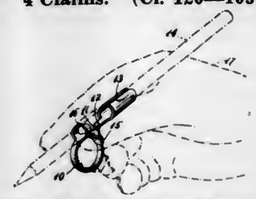
1. In a drill bit, a side roller cutter of annular formation, a downwardly and inwardly directed spindle for said cutter, an abutment at each of the opposite ends of said spindle for confining said cutter, said cutter being of substantially uniform inner diameter throughout except for a groove forming a ball thrust bearing raceway intermediate its ends, roller bearings interposed between said cutter and spindle on the opposite sides of said groove, said spindle having a corresponding grooved raceway adapted to register with the groove in said cutter, and balls within said complementary grooves adapted to take the end thrusts exerted upon said cutter.

2,184,130

GUIDE HOLDER FOR WRITING IMPLEMENTS

Vincent J. Tizio, Brooklyn, N. Y.

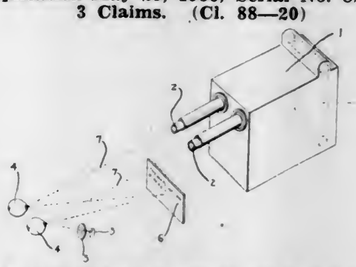
Application March 31, 1939, Serial No. 265,106
4 Claims. (Cl. 120—103)



1. A guide holder for writing implements, comprising a sheet metal body having a strip portion coiled annularly for engaging about one's finger, one end of said strip portion extending substantially tangentially outwards, a member having a first tubular socket slidably mounted on said tangential end, the other end of said strip portion continuing into a loop portion slidably engaging an area of said strip portion to control the size

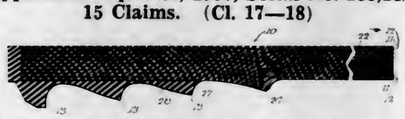
of said annular shape, and said strip portion having coiled side portions forming a second tubular socket coaxially with said first socket for assisting in holding said pencil.

2,184,131
MEANS AND METHOD OF TREATING EYES
Earl A. Taylor, Chicago, Ill., assignor to Educational Laboratories, Inc., Brownwood, Tex., a corporation of Texas
Application May 29, 1936, Serial No. 82,530
3 Claims. (Cl. 88—20)



3. A photographing device for photographing the movements of a patient's eyes, comprising the combination of a camera housing having a moving recording film supported adjacent one end thereof and focusing means adjacent its opposite end, eye fixation means supported within the field of vision of said eyes, said fixation means having indicia for introducing eye movements when viewed by said eyes and being so positioned relative to the camera that the line of sight of the eyes viewing said indicia will be angularly disposed relative to the longitudinal axis of the focusing means, means for illuminating the face of said eye fixation means with means for producing a projected beam of invisible rays on to the corneas of said patient's eyes along a line which is angularly disposed relative to the longitudinal axis of the focusing means in such a manner that the rays reflected by said corneas will be received by said focusing means and will be focused upon said moving film, said film being sensitive to said invisible rays so as to record the eye movements on said film.

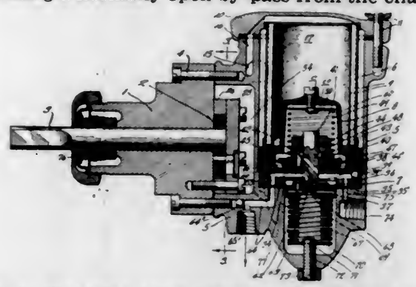
2,184,132
BEATER
Hobart H. Todd, Chicago, Ill.
Application April 21, 1937, Serial No. 138,142
15 Claims. (Cl. 17—18)



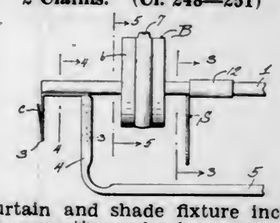
1. A flexible, elastic beater adapted for securement to a rotary shaft comprising a plurality of elements for dehairing a carcass, one of which is a hump-like formation providing excess material for minimizing internal strain as the beater bends during engagement with a carcass.

2,184,133
FLUID PUMP
Gunnar A. Wahlmark, Rockford, Ill.
Application April 2, 1937, Serial No. 134,594
9 Claims. (Cl. 103—42)

5. In a control mechanism for a fluid system including a source of supply and a pump having an inlet conduit with means therein for creating a suction and a discharge conduit, the combination of a delay valve device for normally closing the discharge conduit and a second valve device comprising a chamber, one wall of said chamber including a movable element and a valve mounted on said element, means forming a conduit from the chamber to the source of supply, means forming a normally open by-pass from the chamber to the delay valve device, said by-pass being controlled by said second valve device, a normally closed by-pass from the delay valve device to the pump, means subject to pump suction operable to close the normally open by-pass when the pump is in operation, and means subject to pump pressure to open the normally closed by-pass and to simultaneously open the discharge conduit from the pump.



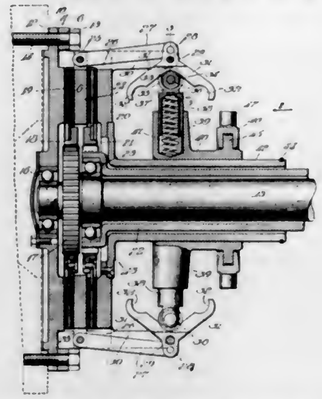
2,184,134
COMBINED SHADE AND CURTAIN FIXTURE
Richard V. Aiello, Wampum, Pa.
Application June 4, 1938, Serial No. 211,916
2 Claims. (Cl. 248—251)



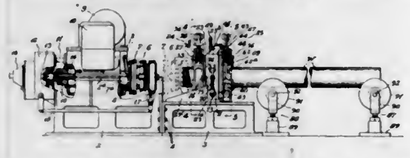
2. A curtain and shade fixture including an elongated supporting rod substantially C-shaped in cross section with the slot rearwardly disposed and a supporting bracket for said rod comprising a top arm for securement to a window frame or the like, said arm being continued downwardly and inwardly to provide a bearing arm substantially at right angles to the top arm, said bearing arm having its intermediate portion folded to provide an outstanding T-head for engagement within the rod.

2,184,135
CLUTCH MECHANISM
Percy H. Batten, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application January 21, 1938, Serial No. 186,048
9 Claims. (Cl. 192—48)

1. In clutch mechanism, the combination of clutch devices connected to separate rotary parts, a clamping member connected to one of the devices and shiftable to drivably connect both devices, a plurality of levers pivoted on one of the devices and each lever being connected to the member, a shiftable sleeve, a plurality of plungers slidably and independently mounted on the sleeve and each having a roller for contacting an arm of a lever, springs abutting on the sleeve and acting to maintain the rollers in contact with the respective arms, each arm being angularly disposed to the thrusting direction of the associated roller to thereby load the spring as the sleeve is shifted in a direction to rock the levers and engage the devices.



2,184,136
APPARATUS FOR CUTTING THREADS
William L. Benninghoff, Shaker Heights, Ohio
Application September 6, 1938, Serial No. 228,547
4 Claims. (Cl. 10—107)



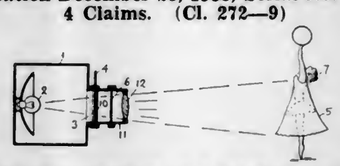
1. In pipe threading apparatus in which a thread-cutting tool movably mounted on a frame is rotated around the axis of the thread to be formed on the work and in which simultaneously relative axial movement of the tool and work is effected, the combination with a frame, of means thereon for supporting one end of a section of pipe to be threaded in axial alignment with the tool while the latter operatively engages it, said means comprising a clamp adapted, without substantial distortion of the cross-sectional form of the pipe, to grip the pipe sufficiently close to the part thereof to be threaded to hold said part of the pipe against movement transversely of its axis, a second pipe clamp for holding the pipe against turning arranged to grip the pipe at points sufficiently remote from the part thereof to be threaded so that local distortion of the cross sectional form of the pipe by said clamp will not affect the form of the thread cut on the pipe, and means carried by the frame affording the second clamp a floating support adapted to permit limited non-rotational movement of the clamp in any direction substantially perpendicular to the axis of the thread formed on the pipe, whereby the remote end of the pipe also may be supported in axial alignment with the tool and the latter form a thread on the pipe of substantially true circular form and substantially concentric with the mean axis of the pipe section notwithstanding crookedness of said pipe section.

2,184,137
COMPOSITE BUILDING MEMBER
Arthur S. Brewer, Pittsburgh, Pa., assignor to National Fireproofing Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 1, 1936, Serial No. 113,637
3 Claims. (Cl. 72—68)



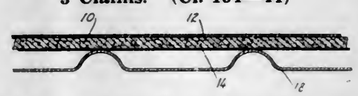
1. A building unit comprising a plurality of tile block having an uninterrupted surface on one side and channeled on the opposite side thereof, the legs of the channel portion being perforated, tie-rods disposed through the perforations of said blocks spaced from the walls of said blocks and extending the full length of the plurality of blocks to constitute reenforcement therein, filler material interposed adjacent the end faces of said blocks out of contact with the body of said rods, and means on said tie-rods for drawing said blocks against said filler material to constitute said blocks and rods a unitary beam.

2,184,138
METHOD AND APPARATUS FOR PRODUCING OPTICAL EFFECTS
George H. Corey, New York, N. Y., assignor of one-half to Elmon C. Gillette, New York, N. Y.
Application December 23, 1938, Serial No. 247,454
4 Claims. (Cl. 272—9)



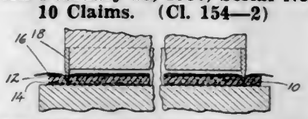
2. Means to produce on a stage optical effects on an opaque object wrapped in a thin sheet of normally transparent "Polaroid" comprising means to throw a beam of a polarized light on the object for allowing an audience to view the object in a light reflected from the object through the "Polaroid", and means to rotate the angle of polarization of the beam of light for changing the transparency of the wrapping while maintaining the object fully illuminated.

2,184,139
LAMINATED THERMOPLASTIC INSULATION MATERIAL
George R. Cunnington, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application January 7, 1937, Serial No. 119,383
3 Claims. (Cl. 154—44)



1. A laminated structure comprising, in combination, a supporting layer, a layer of asphaltic mastic and a lamination of cellulose material pervious to the flow of fused asphalt therethrough interposed between the supporting layer and the layer of asphaltic mastic, said layer of asphaltic mastic adhered to said supporting layer by asphalt spewed from the mastic layer through the interposed cellulose lamination.

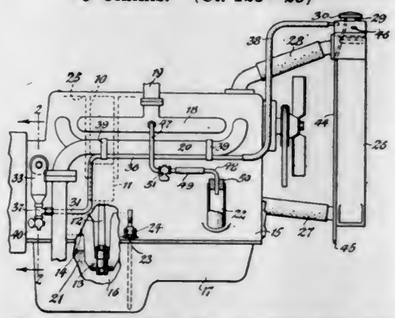
2,184,140
LAMINATED THERMOPLASTIC INSULATION MATERIAL
George R. Cunnington, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application February 23, 1937, Serial No. 127,034
10 Claims. (Cl. 154—2)



1. A laminated sheet comprising an intermediate lamination of thermoplastic asphaltic fibrous mastic, a lamination of protective finish material overlying and secured to one surface of the mastic lamination, and a layer of flexible extensible fibrous material overlying the finish lamination and adhesively secured to the edge of the mastic lamination.

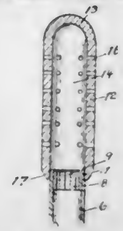
7. That method of fabricating a laminated sheet comprising forming a lamination of fibrous asphaltic mastic, adhesively compacting a lamination of relatively non-adhesive finish material to one surface of the mastic lamination, applying a layer of extensible crepe paper over said finish lamination, passing a cutting instrument through said paper lamination, finish lamination and mastic lamination extensibly drawing said paper lamination along by the cutting instrument over the cut edges of the finish lamination and mastic lamination compacting the paper layer against and adhesively securing the same to the cut edge of the mastic lamination and severing said paper lamination.

2,184,141
FUEL ECONOMIZER FOR GAS ENGINES
Archie J. Dodge, Lockport, N. Y.
Application July 17, 1939, Serial No. 284,862
9 Claims. (Cl. 123—25)



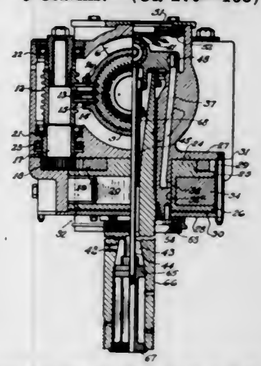
1. In a gas engine, the combination with a working cylinder having a fuel mixture intake, a piston reciprocating in said cylinder, a water jacket around said cylinder, a crank case, a crank shaft rotating in said case and having its crank connected with said piston, and a water cooling radiator connected with said jacket; of a water vapor supply conduit connecting said radiator with one end of said crank case, and a combustible vapor discharge conduit connecting the opposite end of said crank case with said fuel mixture intake, whereby water vapor from said radiator is conducted lengthwise through said crank case and mixed with the oil vapor in the crank case and combined with the normal fuel supplied to the fuel mixture intake, thereby enriching the combustible mixture and effecting a saving in fuel.

2,184,142
BURNER FOR DEPITCHING BEER BARRELS
Nis M. Hansen, San Francisco, Calif.
Application August 22, 1938, Serial No. 226,187
1 Claim. (Cl. 158—116)



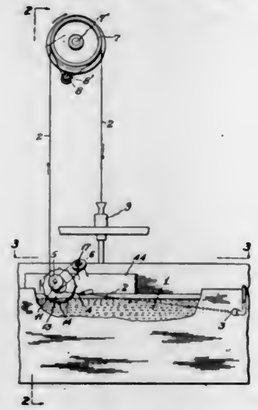
In a burner for depitching beer barrels, a gas and air fuel supply pipe having a refractory flame arrester positioned therein, the upper surface of said arrester being flush with the end of said fuel supply pipe, said arrester having a plurality of bores therethrough, an elongated tubular combustion head positioned on said fuel supply pipe, said head being closed at the opposite end to its connection to said supply pipe and being dome shaped, and a plurality of radially disposed openings formed in said head, said openings being spaced from said dome shaped end and said arrester, the combined area of said openings being greater than the combined area of the bores in said arrester, the lower extremity of the outer surface of said head being tapered downwardly towards the fuel supply pipe.

2,184,143
VARIABLE PITCH PROPELLER MECHANISM
Walter S. Hoover, Girard, Pa.
Application November 27, 1934, Serial No. 755,031
Renewed September 15, 1936
6 Claims. (Cl. 170—163)



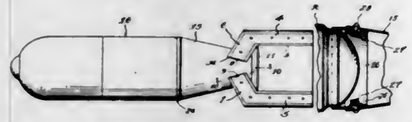
6. A variable pitch propeller mechanism comprising a hub structure and blades movably mounted therein, a fluid motor mounted on the propeller hub connected with the blades for changing the pitch of the blades, a conduit for supplying fluid under pressure to said motor from a source remote from said hub, a valve in said hub controlling the application of said fluid to actuate said motor, a governor having movable weights mounted in and rotatable with said hub structure, said weights being responsive to the speed of the propeller hub to actuate said fluid controlling valve, electromagnetic means for actuating the governor weights to actuate the fluid control valve at the will of the operator, said electromagnetic means having electrical connection with a current collecting means mounted on the hub structure and rotatable therewith, and means for supplying a source of electrical energy to said current collecting means.

2,184,144
PROCESS OF MANUFACTURING ARTIFICIAL SILK THREAD AND APPARATUS THEREFOR
Charles A. Huttinger, Lakewood, Ohio, assignor to Acme Rayon Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 11, 1935, Serial No. 15,840
4 Claims. (Cl. 18—8)



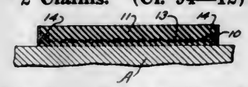
1. In the manufacture of artificial silk threads, an improved structure for imparting uniform properties to the thread during the stretching thereof consisting of a support, a pair of spaced idlers mounted on the support for cooperative action and whose axes are non-parallel, one of the idlers having a smooth thread-engaging surface, and a paddle-wheel secured to said idler and having blades extended outwardly beyond the thread-engaging surface, the other idler being formed with a thread-engaging groove.

2,184,145
BOMB TAIL
Charles F. Lambert, Detroit, Mich., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich., a corporation of Delaware
Application January 22, 1936, Serial No. 60,161
Renewed October 20, 1939
11 Claims. (Cl. 102—2)



1. A knock-down bomb tail assembly, comprising four vane members, identically fabricated, each having a web portion and vane side walls formed angularly thereto and extending from both sides thereof, whereby the individual vane members may be nested to conserve space, and fastening means for securing the similar vane side walls together as an integral unit and to a bomb housing.

2,184,146
FLOORING
Charles W. Leguillon, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 8, 1934, Serial No. 743,258
2 Claims. (Cl. 94—12)



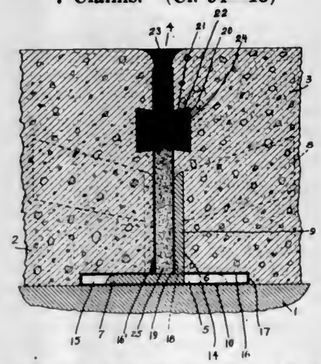
1. A paving comprising a pressed body of resilient, slightly flowable, self-healing, permanently unvulcanized rubber composition containing a comminuted material, a rigid frame member enclosing the composition, and an open-work metallic reinforcement embedded in the composition and unattached to said frame member, said frame member having inwardly projecting means overlying the margins of the reinforcement limiting upward movement of said margins.

2,184,147
MOTHPROOFING PROCESS AND MOTH-PROOFED MATERIAL
Wilfrid Lowe, Hayfield, near Stockport, England
No Drawing. Application March 27, 1934, Serial No. 717,683. Renewed March 18, 1939.
In Great Britain March 30, 1933
10 Claims. (Cl. 21—5)

1. Processes for protecting animal fibres, wool, felt, furs, skins, feathers or the like from moth larvae which consists in immersing the material to be treated in a warm solution varying in degree, depending upon the material treated, of chromium fluoride approximating in strength one part of chromium fluoride to 125 parts of water, thereafter effecting hydro-extraction as by squeezing and submitting the same to air drying at a temperature not less than 150 degrees Fahrenheit.

8. Materials containing animal fibre proof against destruction from larvae or grubs of insects, containing hydroxides and oxides derived from basic chromium fluoride, as a permanent fixation in the fibre and partly combined with the keratin of the fibre and of an amount in terms of the weight of the animal fibre of approximately 0.65 per cent of chromium fluoride equivalent.

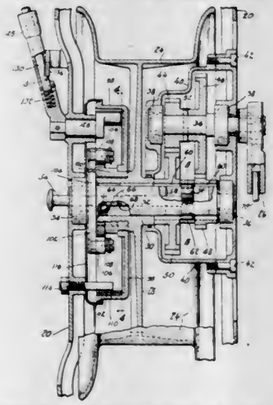
2,184,148
PAVING JOINT CONSTRUCTION
Vincent V. Malcom, Mariemont, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application June 1, 1937, Serial No. 145,676
7 Claims. (Cl. 94—18)



1. A paving construction comprising paving

sections spaced apart to provide a space therebetween, recesses provided in adjacent ends of the paving section, compressible material substantially filling the space between the ends of the sections below the recesses, and waterproofing filling material poured in place to fill the recesses and the portion of the space therebetween for providing a continuous contact with said sections and substantially fill the space above the compressible filling material.

2,184,149
FISHING REEL
Walter D. Marr, Flint, Mich.
Application March 7, 1938, Serial No. 194,336
11 Claims. (Cl. 242—84.7)



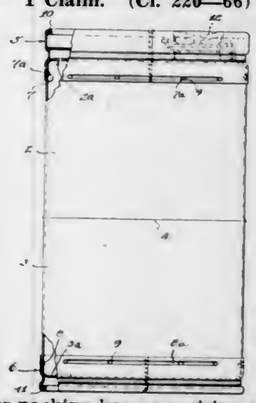
1. A fishing reel comprising a winding drum, winding mechanism including a handle and change speed gears coupled with the drum to wind the same, selector means operable to selectively couple the gears with the drum for winding or disengage the driving engagement of the gears with the drum, brake mechanism effective to retard the unwinding rotation of the drum but ineffective to retard its winding rotation, means carried by the handle operable to connect or disconnect the handle from driving engagement with said gears, mechanism including a brake lever manually operable to set the brake to impose a predetermined resistance to unwinding rotation of the drum, and means carried by the lever operable to release or change said setting.

2,184,150
METHOD OF MAKING RIB-BACK BLADES
Morgan Parker, Katonah, and John Wood Brooks Ladd, Chappaqua, N. Y., assignors to Bard-Parker Company, Inc., Danbury, Conn., a corporation of New York
Application July 31, 1935, Serial No. 34,012
10 Claims. (Cl. 76—104)



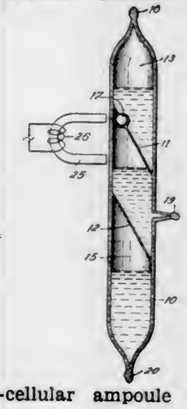
1. A method of making rib-back surgical blades, which consists in rolling a thin flexible strip of steel to produce therein symmetrical marginal ribs, forming curved perforations in the strip partially outlining oppositely arranged blanks in the strip with the back of each blank including a straight part of a marginal rib, progressively hardening and tempering the perforated strip, then separating the blanks from the strip, each with an edge portion partially curved and partially straight, and finally grinding to give a full curve to said portion.

2,184,151
POWDER PACKING BOX
Fred R. Rueppel, East Detroit, Mich.
Application September 24, 1936, Serial No. 102,361
1 Claim. (Cl. 220—66)



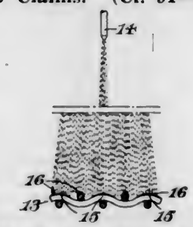
A powder packing box comprising a main tank portion formed of two deep drawn shells rectangular in cross-section, the open ends of such shells being welded together to seal the tank and reinforcing bands of rectangular cross-section secured to the ends of the tank, said bands having a necked in portion adapted to contact the closed ends of said shells, a portion of each band and the end portions of said shells being positioned in overlapping relation, and registering embossed portions formed in opposed walls of said rectangular overlapping portions intermediate the corners and the edge of the bands, one of said embossed portions of the registering embossed portions being apertured, and said reinforcing bands and the shells being welded together at said embossed portion and at such apertures.

2,184,152
AMPOULE
Jacob A. Saffir, Chicago, Ill.
Application October 27, 1939, Serial No. 301,595
15 Claims. (Cl. 128—272)



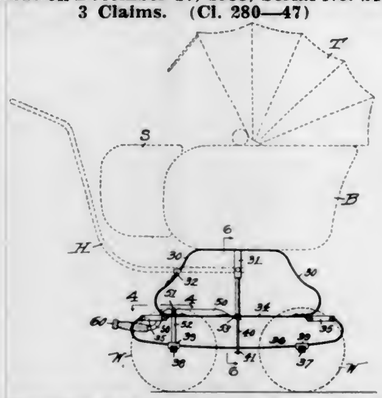
1. A multi-cellular ampoule comprising an ampoule of non-magnetic material having a plurality of sealed cells therein with a frangible dividing partition between adjacent cells, each cell being adapted to contain a substance, and a ferro-magnetic member forming at least part of at least one of said intercellular partitions, said member having sufficient mass whereby a magnetic pull thereon may be utilized for destroying at least part of the partition.

2,184,153
MANUFACTURE OF ELASTIC FABRICS
Fernand Frederic Schwartz, Paris, France, assignor, by mesne assignments, to American Ecla Corporation, Dover, Del., a corporation of Delaware
Application November 27, 1936, Serial No. 112,972
In France March 21, 1936
2 Claims. (Cl. 91—68)



1. A process for the manufacture of a porous elastic fabric which comprises applying by spraying to the projecting portions of an extensible fabric a series of coatings of latex in the form of a spray the droplets whereof having a diameter of 0.1 to 0.3 mm. and a rate of coagulation between ½ and 1 second, the spraying means being situated between 30 and 40 cms. from the surface of the fabric and the latex being forced under an air pressure of 2 to 3 atmospheres, and coagulating and drying the coatings before applying the succeeding coating.

2,184,154
RUNNING GEAR FOR BABY CARRIAGES
Donald W. Siebert, Aaron A. Greenwood, and Allan Lindquist, Gardner, Mass., assignors to O. W. Siebert Company, Gardner, Mass., a corporation of Massachusetts
Application December 17, 1938, Serial No. 246,377
3 Claims. (Cl. 280—47)

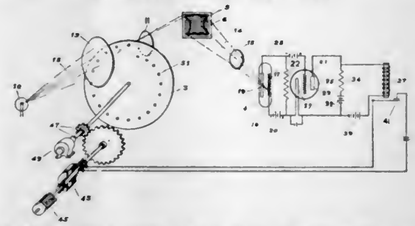


1. Running gear for a baby carriage having a reversibly mounted body comprising a yieldable supporting structure for said body, shackle links for said supporting structure, members supporting said links, manual means positively connected to said members and effective to raise said body for reversal, and means to limit upward movement of said supporting structure with said carriage body when said body is raised but leaving said supporting structure normally free to rock on said link suspension.

2,184,155
POLYVINYL ACETAL RESIN SHEETS CONTAINING TETRAHYDROFURFURYL MALEATE
Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 7, 1938, Serial No. 233,881
3 Claims. (Cl. 260—36)

3. A transparent, rubbery sheet comprising a polyvinyl acetal resin in which a predominating proportion of the acetal groups are butyraldehyde acetal groups, and an amount of tetrahydrofurfuryl maleate sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

2,184,156
AREA MEASURING APPARATUS AND METHOD
Edward Lindley Bowles, Wellesley Farms, Mass., assignor to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts
Application May 6, 1931, Serial No. 535,405
26 Claims. (Cl. 33—123)

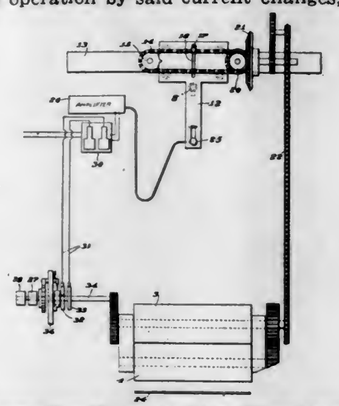


1. Area-measuring apparatus having, in combination, a source of rays, a background against which is held the article the area of which is to be measured, means for subjecting the article and the background to the rays from the source, means for causing rays from continuously successive portions of the article to produce effects, means for adding the said effects, and means for rendering negligible the effect produced by the background.

2,184,157
AREA MEASURING MACHINE
John L. Jones, Billerica, Mass., assignor to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts
Application November 27, 1934, Serial No. 755,002
9 Claims. (Cl. 33—123)

1. That improvement in methods of measuring the area of a surface, which consists in sweeping a beam of light across equal increments of a known area in equal intervals of time, said surface being interposed in said area, causing the interception of said beam by the edges of said surface to produce changes in the current flow in an electric circuit, moving said surface across the path of said beam at a predetermined rate and at

an angle to said path, and controlling an integrating operation by said current changes, from



which operation the area of the illuminated surface can be determined.

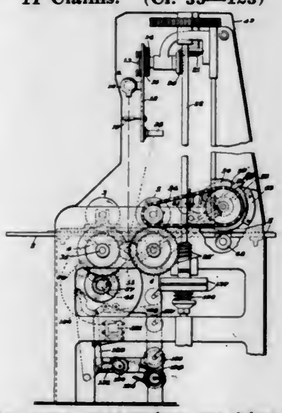
2,184,158

METHOD OF AND MACHINE FOR MEASURING

Ernest C. Whitney, Danvers, and John L. Jones, Billerica, Mass., assignors to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts

Application August 24, 1935, Serial No. 37,709

11 Claims. (Cl. 33—123)



1. In an area measuring machine, scanning beam-producing means, means reciprocating said beam-producing means so that said scanning beam reciprocates across an element whose area is to be measured, means feeding said element at a predetermined speed with respect to the velocity of traverse of said beam-producing means and at approximately right angles to the direction of movement of said beam-producing means, said feeding means including means operable at the end of each stroke of the beam-producing means to move the beam-producing means against the direction of feed of the element by a distance substantially equal to the feed of the element during such stroke, whereby the beam scans successive parallel contiguous increments on the element, and means controlled by said scanning means for automatically integrating said scanned increments.

2,184,159

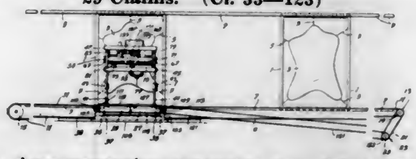
APPARATUS FOR MEASURING AREA

Donald C. Stockbarger, Belmont, and John L. Jones, North Billerica, Mass., assignors to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts

Application July 11, 1936, Serial No. 90,260

Renewed October 30, 1939

29 Claims. (Cl. 33—123)



1. Area measuring apparatus comprising means for supporting a work piece the area of which is to be measured, a light source, means defining a beam of light from said source to the work piece, means for moving the beam in a straight line path across the work piece, and photosensitive means positioned to detect when the beam of light is intercepted by the work piece.

2,184,160

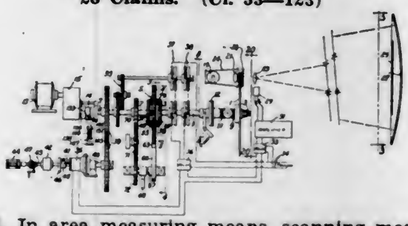
APPARATUS FOR SCANNING

Donald C. Stockbarger, Belmont, and John L. Jones, North Billerica, Mass., assignors to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts

Application November 11, 1936, Serial No. 110,258

Renewed October 30, 1939

28 Claims. (Cl. 33—123)



1. In area measuring means, scanning means adapted to sweep scanning beams across a surface to be measured tracing concentric circular paths on said surface, and means rotating said scanning means in such manner that the linear speeds of all of said beams along said paths are substantially equal.

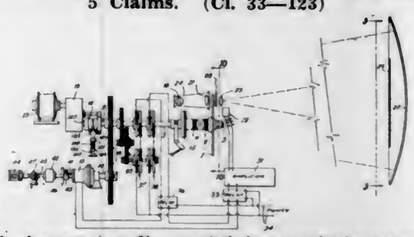
2,184,161

APPARATUS FOR SCANNING

Donald C. Stockbarger, Belmont, and John L. Jones, North Billerica, Mass., assignors to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts

Application November 11, 1936, Serial No. 110,259

5 Claims. (Cl. 33—123)



1. A scanning disc containing a spiral arrangement of beam-controlling scanning holes, in which the distance (R_b) of any one hole from the center of the disc is related to the distance (R_a) of the next inward hole on the spiral substantially according to the formula:

$$R_b=\frac{\sqrt{2(R_a+\frac{1}{2}h_a)^2-(R_a-\frac{1}{2}h_a)^2}+R_a+h_a}{2}$$

where h_a is the equivalent radial width, on the disc, of the path scanned by the said next inward hole.

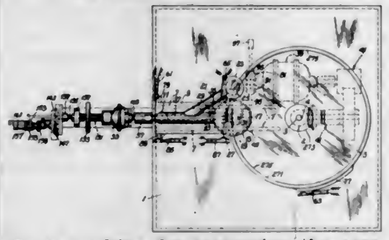
2,184,162

APPARATUS FOR MEASURING AREA

Donald C. Stockbarger, Belmont, and John L. Jones, North Billerica, Mass., assignors to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts

Application June 23, 1937, Serial No. 149,810

19 Claims. (Cl. 33—123)



1. In a machine for measuring the area of a surface of an article, a table for supporting the work, means revolving said table, means directing a scanning beam on the work so supported, additional means moving said beam with respect to the axis of said table in predetermined relationship to the rotation of the table to cause said beam to scan successive increments of area of said table and the work on it, means in the path of said beam responsive differentially to the interception and non-interception of said beam by said work, an electric circuit including said last-named means, and area-integrating means controlled by said circuit.

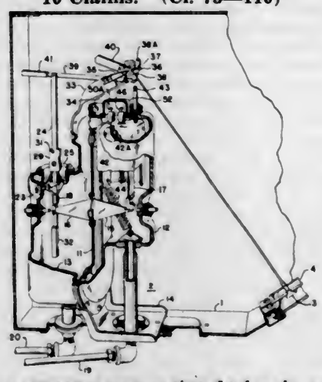
2,184,163

PRESSURE GAUGE

Frederick A. Barnes, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application June 10, 1937, Serial No. 147,524

10 Claims. (Cl. 73—110)



9. In a pressure responsive device, in combination, a movable pressure sensitive diaphragm, a beam secured to substantially the midpoint of said diaphragm and extending perpendicularly on either side thereof, a cantilever spring for opposing motion of said diaphragm connected to said beam on one side of said diaphragm and extending at right angles to said beam, a cradle for supporting said spring, a pivoted support for said cradle, means for positioning said cradle about said support, a carriage in said cradle and movable longitudinally of said spring, a pair of jaws for clamping said spring carried by said carriage, manually operated means for urging said jaws against said spring and cradle to lock said carriage in position, a shaft pivotally connected to said beam on the opposite side of said diaphragm and extending at right angles to said beam, a pivoted support for said shaft, and an indicator of the position of said diaphragm actuated by said shaft.

2,184,164

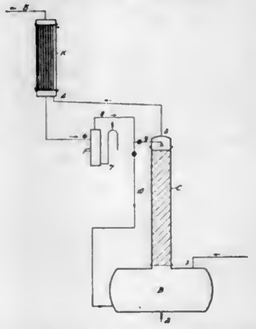
PRODUCTION OF BUTADIENE FROM 1,3-BUTYLENE GLYCOL

Martin Mueller-Cunradi, Ludwigshafen-on-the-Rhine, and Heinz Krekeler, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application July 20, 1937, Serial No. 154,630

In Germany July 24, 1936

2 Claims. (Cl. 260—681)



1. In the production of butadiene by dehydration of 1,3-butylene glycol the steps which comprise heating 1,3-butylene glycol in a still in the liquid phase in the presence of sulphonic acids of aromatic hydrocarbons, distilling off the reaction products formed consisting of butadiene, water and the intermediate products of the dehydration of 1,3-butylene glycol, cooling the distillate to separate the butadiene from the water and said intermediate products, separating the intermediate products from the water and returning them to the still in such manner that they enter into fractionating exchange with the reaction products distilling off.

2,184,165

ORNAMENTING MACHINE

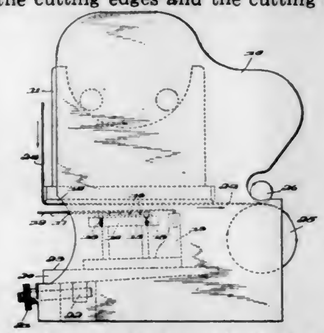
Ernest C. Klattie, Cincinnati, Ohio, assignor to The Louis G. Freeman Company, Cincinnati, Ohio, a corporation of Ohio

Application October 24, 1938, Serial No. 236,763

19 Claims. (Cl. 164—93)

12. A perforating machine comprising a die having a plurality of cutting edges disposed in spaced relation to each other across the die, a

reaction or cutting surface opposed to said cutting edges, a backing medium interposed between said edges and said surface, the planes of the cutting edges and of the cutting surface being relatively disposed in converging relation to each other, and converging toward the front of the machine whereby upon relative movement between the cutting edges and the cutting surface,



the cutting edges at the front of the die will penetrate the backing medium to a greater depth than the cutting edges on the rear portion of the die, means to feed the backing medium intermittently from back to front of the machine across the cutting surface to remove the deepest cut and to present fresh backing surfaces to the cutting edges, and means to produce relative movement between said edges and said cutting surface.

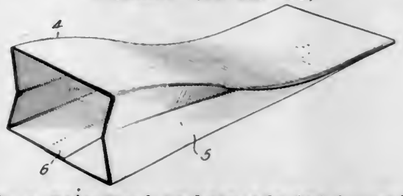
2,184,166

PACKAGE FOR EXPLOSIVES

Floyd J. Rape, Edenburg, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware

Application May 27, 1937, Serial No. 145,023

1 Claim. (Cl. 229—55)



In a waterproof package adapted to contain an explosive, a container consisting of at least two sheets of material laminated with a layer of a moisture impervious substance therebetween, each end of said container being folded on itself and sealed against the entrance of moisture, in which the layer of moisture impervious material is a thermosplastic substance consisting mainly of rubber and wax and characterized by its ability to be stretched without rupture, said thermoplastic material being bonded to the two sheets of material making up the container.

2,184,167

MANUFACTURE OF DIHYDROFOLLICLE HORMONES BY FERMENTATIVE REDUCTION

Walter Schoeller, Berlin-Charlottenburg, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application February 12, 1938, Serial No. 190,226. In Germany February 16, 1937

9 Claims. (Cl. 195—51)

8. Process for the manufacture of dihydrofollicle hormone and its unsaturated analogues dihydroequilin and dihydroequilenin, and their derivatives, comprising gradually introducing a solution of a member of the group consisting of follicle hormone, equilin, equilenin and their 3-derivatives into an aqueous suspension of sugar and yeast, allowing the mixture to ferment, thereafter extracting the mixture by means of an organic solvent wherein the partially hydrogenated hormone is soluble, and isolating the hormone from said extract.

2,184,168

AGE RESISTOR

Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 15, 1936, Serial No. 100,875

11 Claims. (Cl. 260—809)

9. An age resisting rubber product comprising rubber and a preformed reaction product of approximately equimolecular quantities of anhydro para amino benzyl alcohol and a secondary diaryl amine.

2,184,169

RADIATION PYROMETER DEVICE

Louis Oscar Sordahl, Chicago, Ill., assignor to United States Steel Corporation, a corporation of New Jersey

Application December 29, 1938, Serial No. 248,343

4 Claims. (Cl. 73—355)



1. In a radiation pyrometer device consisting of a tubular member, a radiation sensitive device closing one end of the tubular member and means to supply air under pressure within the tubular member adjacent the said closed end, a second tubular member, means to sustain said second tubular member centrally within and in spaced relation to the first said tubular member, means to seal the outer surface of the said second tubular member to the inner surface of said first tubular member at a point between the closed end of the first tubular member and the point of air entry, a plurality of spaced diaphragm members disposed along the interior of the second tubular member defining a radiation tunnel of desired cross-sectional area, means to permit a portion of the air under pressure to enter said second tubular member adjacent the sealed end thereof, and a closure member for the open end of said first tubular member, said closure member being provided with an opening of restricted diameter in alignment with the center axis of said first tubular member and the center axis of said diaphragm members in the second tubular member defining said radiation tunnel.

2,184,170

METHOD OF PREPARING SELENYL ARYL THIAZOLES

Lawrence R. Sperberg, Habana, Cuba, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 23, 1938, Serial No. 226,304

10 Claims. (Cl. 260—304)

1. A method of preparing 2-selenyl aryl thiazoles which comprises reacting a selenide with a 2-halogen-substituted aryl thiazole.

2,184,171

WASHING COMPOSITION

Kurt Sponsel, Wiesbaden-Biebrich, and Karl Daimler, Frankfort-on-the-Main-Hochst, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany

No Drawing. Application May 2, 1936, Serial No. 77,546. In Germany May 2, 1935

1 Claim. (Cl. 87—5)

A washing composition comprising in admixture a wetting agent selected from the group consisting of the alkali metal salts of naphthalene sulphonic acids and the substitution products thereof and a water soluble cellulose ethyl ether β sulphonate.

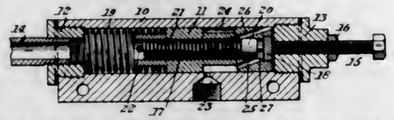
2,184,172

DISPENSING DEVICE

William M. Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application March 24, 1938, Serial No. 197,839

6 Claims. (Cl. 184—7)



1. A device for dispensing a measured quantity of material comprising a cylinder, a piston reciprocable therein, means normally urging said piston toward one end of said cylinder, a bore in said piston communicating with said cylinder and a piston valve reciprocable in said bore, means normally urging said valve toward one end of said bore, an inlet for said cylinder, a passage in said piston communicating with said inlet and with said bore at a point such that pressure applied to said inlet causes the piston valve to be displaced, and means providing a passage in said piston adapted on advance movement of said valve to admit material behind said piston to cause movement thereof in opposition to said first mentioned means, and on retraction of said valve, a passage to conduct material from behind said piston to said bore.

2,184,173

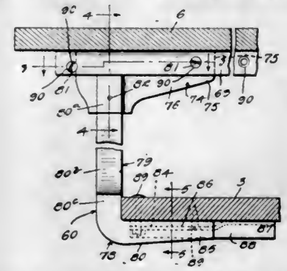
COMBINED COUPLING AND SUPPORTING STRUCTURE

William J. Bargen, Waukegan, Ill.

Original application April 27, 1937, Serial No. 139,315. Divided and this application January 4, 1939, Serial No. 249,316

8 Claims. (Cl. 155—128)

1. In a structure for coupling an upper element to a lower element and for supporting the upper element in spaced forwardly extended relation with respect to the lower element, said structure including a member formed of an upstanding arm and a horizontally disposed lower arm extending inwardly at right angles from the lower end of the upstanding arm, the latter being formed intermediate its ends with an inclined part, an upper connection means adapted to be anchored to the lower face of the said upper element, said upstanding arm having an upper straight portion extended into and being secured



to said means, said lower arm being formed of a horizontal and a vertical flange, and a lower connection means adapted to be anchored against the lower face of the lower element and bearing against the lower face of the horizontal flange and inner face of the vertical flange of said lower arm.

2,184,174

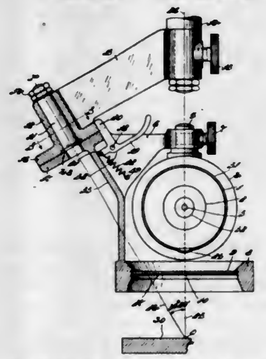
X-RAY APPARATUS

Hendrik Cornelis Bertram, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application March 11, 1938, Serial No. 195,409

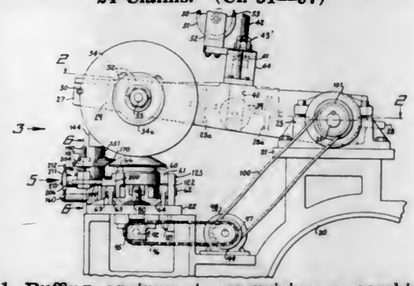
In Germany March 17, 1937

5 Claims. (Cl. 250—65)



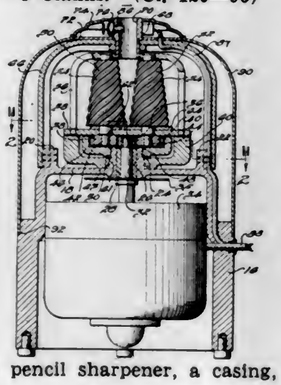
1. An apparatus for investigating stresses in material comprising means for producing a narrow X-ray beam including an X-ray tube and a diaphragm having an aperture, a supporting member and a second member, carrying said X-ray tube and diaphragm said members being rotatably connected to each other by means of a pivot, the axis of said pivot forming an angle of about 30° with the axis of said X-ray beam and intersecting the same on the side of the diaphragm remote from the X-ray tube, and means associated with said members to indicate when said X-ray beam is in each of three predetermined positions, the planes through said axis and the axis of the X-ray beam when in two of said positions forming an angle lying between 180° and 208° and the plane through said axis and the axis of said X-ray beam when in its third position forming equal angles with said first two planes.

2,184,175
BUFFING MACHINE
George C. Blake, Syracuse, N. Y., and Percival C. Smith, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 6, 1937, Serial No. 178,258
24 Claims. (Cl. 51—97)



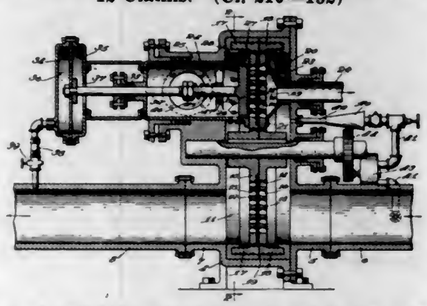
1. Buffing equipment comprising a combination, a main drive shaft, a buffing wheel frame pivotedly supported coaxially of the drive shaft, a buffing wheel shaft mounted upon the frame parallel to the drive shaft and carrying a plurality of buffing wheels, means for transmitting motion from the main drive shaft to the buffing wheel shaft, a work holder associated with each buffing wheel, means for normally holding the wheels from the work holders, releasable means for holding the wheels into engagement with the work, a device for rotatably supporting each work holder, shafts extending transversely to the buffing wheel shaft each for rotating a work holder, a common shaft parallel to the buffing wheel shaft for driving all of the work holder shafts, means for oscillatably supporting each of the work holder supporting devices, a common mechanism operated by the work holder common drive shaft for oscillating all of the work holder supporting devices while the work holders are rotating, means for transmitting motion from the main drive shaft to said work holder common drive shaft, and means for automatically rendering the releasable means inoperative when the buffing wheels are worn down to a certain diameter.

2,184,176
ELECTRIC PENCIL SHARPENER
Kenneth R. Blake, Detroit, Mich., assignor of sixty per cent to Earl W. Parrish, and forty per cent to Fred D. Healy, both of Detroit, Mich.
Application August 26, 1937, Serial No. 161,097
5 Claims. (Cl. 120—96)



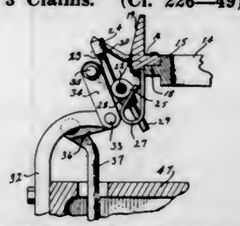
1. In a pencil sharpener, a casing, a motor mounted within said casing, said motor having an armature shaft extending outwardly of said casing, a driving gear secured to the outwardly extending end of said armature shaft for rotation therewith, said driving gear meshing with oppositely disposed driven gears, a shaft fixed to each of said driven gears for rotation therewith, a sharpener element fixed to each of said driven gear shafts for rotation therewith, an internal gear meshing with said driven gears and fixed relative to said casing, a plate member serving to journal said driven gear shafts, and an annular member cooperating with said plate member to form a housing which serves to seal said gears against the entrance of dirt from said sharpener element.

2,184,177
STRAINER APPARATUS
Benjamin S. Burrell, East Chicago, Ind.
Application October 19, 1935, Serial No. 45,812
12 Claims. (Cl. 210—152)



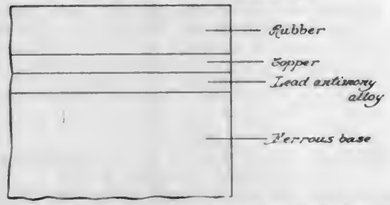
1. A strainer apparatus comprising a casing having an inlet for the fluid to be operated on and an outlet for the conditioned fluid, a rotary strainer element in said casing through which the fluid in passing from said inlet to said outlet passes and is screened thereby, hollow members located at opposite sides of said strainer element and through which cleansing fluid for said strainer element passes, and means yieldingly forcing said members into close contact with said strainer element.

2,184,178
CARRIER AND GRIPPER FOR BAG FILLING MACHINES
Austin S. Chandler, Fitchburg, Mass., assignor to The Brown Bag Filling Company, Fitchburg, Mass., a corporation of Massachusetts
Application May 25, 1937, Serial No. 144,728
3 Claims. (Cl. 226—49)



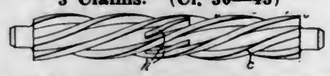
1. In a machine of the character described, a conveyor movable in a fixed path and having thereon bottom rest supports for bag bottoms, means to deliver flat open-end bags upon said supports in erect position in a plane substantially coincident with the path of the conveyor, and means spaced further beside the path of the conveyor to work the tops of bags for sealing and to discharge bags, a back rest for the bags on the bottom rest, and a plurality of bag grippers each consisting of a bag-pressing yoke pivoted on the conveyor below the bottom rest and spring-loaded and extended and movable upwardly and inwardly toward the lower end portion of a bag on said bottom rest and constructed and arranged to hold the bag against said back rest, and means beside the path of the conveyor at the discharge station and the loading station to engage and move the grippers to open position, and to move the grippers to engaged position at the loading station cooperative with the discharge and loading means.

2,184,179
RUBBER COATED ARTICLE
Elgin Carleton Domm, Niles, Mich., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application February 17, 1936, Serial No. 64,407
2 Claims. (Cl. 154—40)



1. The method of preparing corrosion-resistant steel wire, which comprises coating the wire with a lead antimony alloy, drawing the wire substantially to reduce its cross section while leaving a continuous coating of lead antimony alloy thereon, electrodepositing upon the lead antimony alloy a layer of copper thin enough to alloy throughout with the lead antimony alloy under atmospheric temperature or the heat of vulcanization, and vulcanizing a coating of rubber thereon.

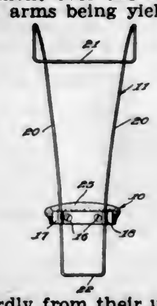
2,184,180
SAFETY RAZOR
Charles Richard Fairey, Hayes, England
Application February 1, 1938, Serial No. 188,178
In Great Britain January 8, 1937
3 Claims. (Cl. 30—43)



1. A safety razor comprising a rotary cutter, gear means for driving said cutter, said cutter having two sets of gear teeth arranged in alternation and both adapted to be engaged and driven by said gear means, and one set of said teeth being of greater radial dimension than the teeth of the other set, and being formed as helical cutting blades.

2,184,181
ARM REST FOR MOTOR VEHICLES
Albert P. Fall, Toledo, Ohio
Application June 15, 1938, Serial No. 213,915
2 Claims. (Cl. 155—112)

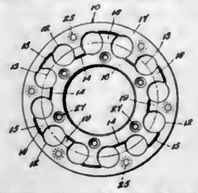
1. A support adapted to adjustably hold an arm-supporting base, said support comprising a pair of connected laterally spaced arms curved to conform with and engage the back of a seat of a vehicle and being of hook form at their upper ends for engagement over the top of said back of the seat, said arms being yieldable and converging downwardly from their upper ends, said yieldable arms permitting adjustment of said arm-supporting base lengthwise of said arms.



2,184,182
LIQUID COATING COMPOSITION
James E. Flint, North Newport, N. H.
No Drawing. Application February 11, 1937, Serial No. 125,301
2 Claims. (Cl. 87—9)

1. A liquid ski dressing capable of drying into a hard, adherent and relatively smooth surface universally adaptable to all types of snow conditions, comprising the following ingredients in substantially the proportions stated, viz: ½ ounce Celluloid; ⅓ pint acetone; ⅙ pint shellac; and 1½ ounce powdered graphite, said graphite being thoroughly incorporated throughout said composition to minutely roughen the surface of the coating sufficiently to allow air to enter between the coating and the snow surface.

2,184,183
METHOD OF MAKING FLEXIBLE SHAFT COUPLINGS
Mitchell L. Fykse, South Milwaukee, Wis.
Application October 11, 1937, Serial No. 168,481
3 Claims. (Cl. 29—148)

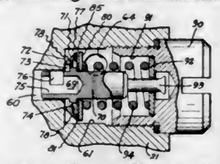


1. The method of making flexible shaft couplings and the like, which comprises forming in a rigid disk an endless series of arcuately spaced apertures extending completely through said disk; severing the material between adjacent apertures alternately in different planes to provide a pair of companion coupling elements having complemental overlapping spaced projections; and inserting resilient plugs into the spaces between said projections to provide a yielding drive between them.

2,184,184
HYDRAULIC SHOCK ABSORBER VALVE
Carl W. Gerhardt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 28, 1938, Serial No. 192,982
7 Claims. (Cl. 188—100)

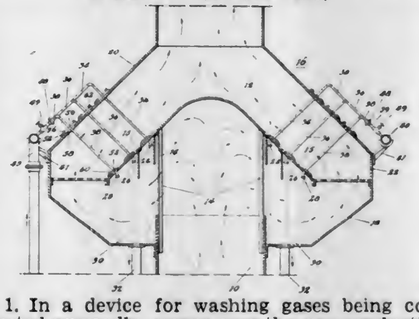
1. In a fluid flow control device particularly

adapted for use in a shock absorber having two fluid displacement chambers connected by ducts, each having a valve chamber providing a valve seat, the combination with a valve normally engaging a valve seat and having constantly open orifices providing communication between



grooves on opposite surfaces of said valve; of baffle means for restricting the flow of fluid into and from each of said grooves, the valve seat providing the baffling means for one of said grooves, and a rigid disc carried by the valve and providing the baffling means for the other of said grooves.

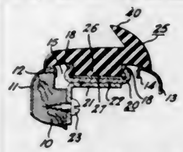
2,184,185
GAS WASHING APPARATUS
Charles M. Gerhold, New York, N. Y.; Louise H. Gerhold, executrix of Charles M. Gerhold, deceased, assignor to Louise H. Gerhold, New York, N. Y.
Application March 23, 1937, Serial No. 132,639
3 Claims. (Cl. 261—118)



1. In a device for washing gases being conducted upwardly, means over the gas-conducting means to deflect the gases through a water curtain, housing means, means for forming a water curtain comprising a series of nozzles in combination with individual water conduits extending through openings in said deflecting and housing means to each nozzle, a coupling in each conduit outside said housing means enabling the removal individually of any nozzle from said apparatus from the exterior and detachable means to seal the openings, the sealing means for the opening in said deflecting means being removable through the opening in said housing means and being detachable by manipulation from the outside of the apparatus.

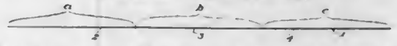
2,184,186
SEALING STRIP FOR AUTOMOBILE WINDOWS
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 16, 1937, Serial No. 120,896
3 Claims. (Cl. 296—44)

1. A weatherstrip for a door or window opening, comprising: a resilient rubber strip having a relatively narrow width base portion and a correspondingly narrow longitudinally extending metal strip bonded to said base portion, a longitudinally curved metal retaining channel fixed to the edge of said opening, said metal strip being of such flexibility as to be readily slidable end-



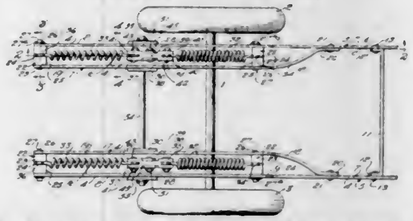
wise thru the curves in said channel and having a locked fit within said channel, whereby said rubber strip is firmly but yieldingly secured to said opening.

2,184,187
LEADER FOR FLY-FISHING
Hiram H. Hildebrandt, Logansport, Ind.
Application September 12, 1938, Serial No. 229,589
1 Claim. (Cl. 43—28)



A strand of silk-worm gut or the like tapered from one end to the other and adapted to be cut into lengths suitable to form leaders, said strand having a length equivalent to the cumulative length of a plurality of leaders.

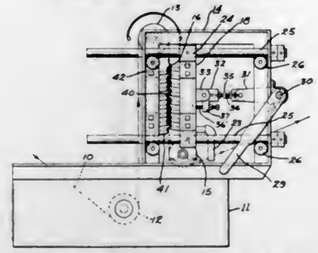
2,184,188
SPRING SUSPENSION FOR VEHICLES
Ira Hinshaw, Topeka, Kans.
Application August 31, 1938, Serial No. 227,810
3 Claims. (Cl. 267—20)



1. A spring suspension for vehicles comprising in combination with corresponding end portions of the sides of the frame of a vehicle, a pair of spaced oscillatory supports adapted to be connected with an axle of the vehicle, two pairs of springs, the springs of each pair being horizontally disposed, arranged tandemwise and positioned adjacent to the inner face of one of said end portions, one of the springs of each pair of springs constituting a load spring and the other a shock spring, a pair of spaced parallel combined supporting and anchoring structures positioned between the said corresponding end portions, each of said structures including a horizontal part opposing the inner face of one of the said end portions and a pair of spaced aligned grooved blocks bearing against said part and the inner face of the said end portion for receiving the outer ends of the springs of a pair, each structure including spaced holdfast means extending through its blocks and the said outer ends of the springs for securing the structure to the inner side face of one of the said end portions and for anchoring the said outer ends of the springs to the blocks, a linkage arranged between and anchored to the inner ends of each pair of springs for connecting the springs of such pair together, a controlling lever connected at one end to and depending from each link-

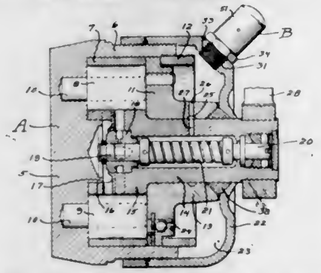
age, each lever being slidably mounted at its outer end in a support, a fulcrum bar for extending through and common to said levers, and spaced hangers for said bar depending from said corresponding end portions and said structures.

2,184,189
PAPER MAKING APPARATUS
Charles Willmott Howard, Franklin, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application April 28, 1937, Serial No. 139,376
8 Claims. (Cl. 15—93)



1. Apparatus of the character described comprising a series of blades for removing surface liquid from a traveling web of material, supporting means for said blades, and means for guiding said web of material for movement in a downward direction and in a straight path past said blades and in slightly spaced relation thereto, the blades of said series having metal edges directed toward the oncoming portions of the web and arranged in a substantially straight line parallel to the path of travel of the web.

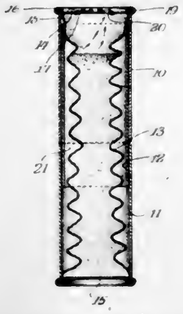
2,184,190
HYDRAULIC SHOCK ABSORBER
Harry C. Krauss, Oxford, Pa., assignor of one-half to Charles J. Green, Oxford, Pa.
Application November 27, 1937, Serial No. 176,935
6 Claims. (Cl. 188—89)



1. A hydraulic shock absorber comprising a casing having a replenishing chamber, and means for maintaining a balance between conditions of excess pressure and sub-normal vacuum in the replenishing chamber and normally sealing the replenishing chamber against entrance and egress of air with the exterior of the casing.

2,184,191
DUST GUN
Myron E. Lusk, Jr., Quincy, Ill.
Application March 14, 1938, Serial No. 195,744
5 Claims. (Cl. 43—147)

1. A dust gun comprising a chamber constituted by two aligned rigid housing portions in telescoped relation, and a flexible tubular bellows member within said chamber and secured to remote ends of said housing portions, said bellows member



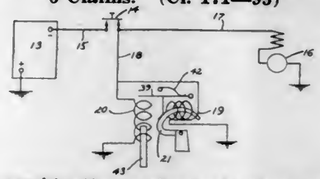
being of a length to permit telescoping movements of said housing portions while preventing separation thereof, one of said housing portions being provided with a dispensing opening.

2,184,192
FISHING ROD HOLDER
Bert A. McCline and Bill N. Kyser, Monclova, Ohio
Application January 19, 1939, Serial No. 251,803
2 Claims. (Cl. 248—44)



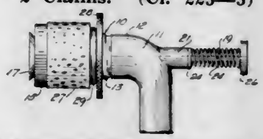
2. A holder for fishing rods comprising a stake having a pointed end adapted to be embedded in the earth, the opposite end of said stake being bent and adapted to be disposed at substantially an oblique angle to the earth's surface, said last mentioned end being threaded, a cylindrical socket member having a closed end, and a coupling element formed integral therewith and disposed intermediate the ends thereof, said coupling element being internally threaded to detachably connect the socket member and stake and to position the socket member with its open end extending upwardly to receive the butt end of a fishing rod, and said socket member being provided with pairs of oppositely disposed openings, adjacent its ends, the openings in the opposite sides of said socket member being at different spaced intervals to form pairs of diagonal passages through said member adapted to receive the butt ends of fishing rods for mounting them in diverging relationship, said socket member being adjustable relatively to the stake to position its ends in substantially a horizontal plane with said passages diverging outwardly and upwardly.

2,184,193
BATTERY CHARGE RESPONSIVE MEANS
Edwin C. McRae, Huntington Woods, Mich.
Application November 9, 1935, Serial No. 49,098
6 Claims. (Cl. 171—95)



1. In combination, a storage battery, means for connecting a substantial load across said battery, and means responsive only to battery voltage momentarily after application of the load for operating in accordance with the condition of said battery.

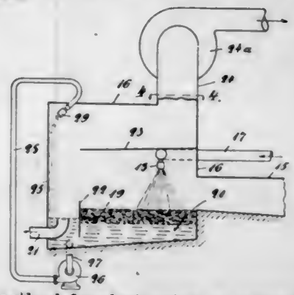
2,184,194
LIQUID DISPENSING VALVE
Harry J. Meyer, Fords, N. J.
Application October 27, 1938, Serial No. 237,329
2 Claims. (Cl. 225—5)



1. A valve comprising a substantially L-shaped housing member formed of tubular sheet metal, threads formed on one leg of said member, an outwardly offset annular valve seat holding member integral with the free end of said one leg, said holding member having one side thereof disposed at right angles to the axis of said one leg and the other side substantially cylindrical, an annular seat engaging in said holding member, a spring pressed valve plug engaging against said seat, a cylindrical combined sealing and securing member engaging about said one leg of said housing and having the inner end thereof abutting against the adjacent side of said seat holding member, a nut engaging said threads, and a ring interposed between said nut and the outer end of said sealing member, tightening of said nut distorting said sealing member against the periphery of said one leg of said housing while simultaneously compressing the outer surface of said sealing member against the inside of a smooth opening whereby to simultaneously seal said one leg in said opening while securely holding said one leg against movement relative to said opening.

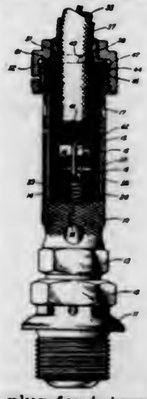
2,184,195
METHOD AND APPARATUS FOR DESTROYING FROTH
Johan Olof Nauclér, Stockholm, Sweden
Application June 6, 1936, Serial No. 84,006
In Sweden June 14, 1935
12 Claims. (Cl. 183—2.6)

3. Apparatus for destroying and quenching froth formed from liquids comprising a container for froth and the liquid from which it is formed, a spraying device so constructed and arranged as to induce rotation of the froth in passing therefrom, means including a pump for conveying the froth from said container to said spraying device and forcing the froth through the latter under pressure, means for collecting the liquid constituent of the froth issuing therefrom and any froth which may remain, means for conveying hot gases into the space into which the froth is sprayed, a fan operative to move the hot gases over the froth collecting in said space, means including a second pump and at least one more spraying device for washing the interior walls of the space through which the hot gases pass, and a baffle positioned in the path of the hot gases for separating particles of entrained liquid from said gases.



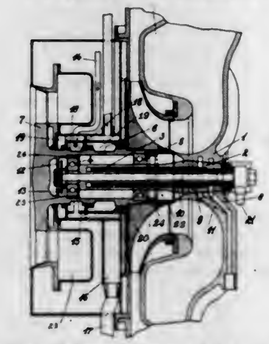
8. A method for destroying or quenching froth formed from liquids which comprises projecting the froth into an atmosphere in the form of a rapidly rotating, spreading layer of froth, and permitting said layer to spread in said atmosphere until the forces created in the layer of froth by said rotation and spreading fracture the films of liquid forming the froth bubbles and the said liquid coalesces into drops.

2,184,196
SPARK PLUG
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application January 6, 1936, Serial No. 57,810. Divided and this application April 1, 1937, Serial No. 134,396
3 Claims. (Cl. 123—169)



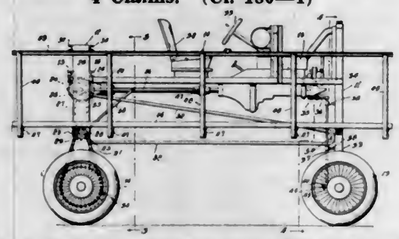
1. In a spark plug for internal combustion engines, the combination with a central electrode, of a shell surrounding said electrode and having a cylinder engaging portion, a heat radiating portion, and a cap receiving portion, an insulating wrapper surrounding said central electrode, a flanged packing element surrounding said wrapper and engaging the heat radiating portion of said shell for transfer of heat thereto, means engageable with said packing element to establish a gas-tight joint of high heat conductivity between said central electrode and said heat radiating portion of said shell, and a free fitting insulator carried by a portion of said last named means, and terminating in a plane adjacent the said cap receiving portion of the shell.

2,184,197
TURBINE DRIVEN BLOWER
Alfred Schütte, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany
Application March 23, 1938, Serial No. 197,618
In Germany March 23, 1937
5 Claims. (Cl. 230—116)



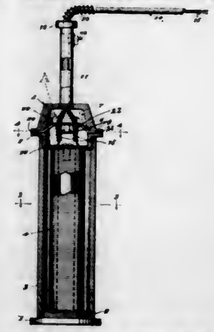
1. A turbine driven blower of the character described comprising a blower casing, a blower impeller rotatable therein, a hollow shaft fixed to said impeller, an axle fixed on said casing at only one end of said axle and extending through the impeller into said shaft, an antifriction bearing within said shaft closely adjacent said impeller and having inner and outer portions axially fixed respectively to said axle and to said shaft, a second antifriction bearing within said shaft adjacent the unsupported end of said axle and including a bearing race having free axial movement along the shaft, and a gas turbine wheel on said shaft and extending across the end of said shaft.

2,184,198
DETASSELING MACHINE
Peter Seeber, Champaign, Ill.
Application December 23, 1937, Serial No. 181,427
4 Claims. (Cl. 180—1)



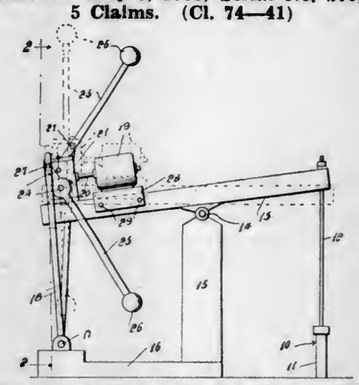
1. A motor driven farm machine comprising arches arranged in spaced relationship, wheels connected to the depending ends of said arches to support them in an elevated position for spanning rows of growing corn, beams connected to the horizontal portions of said arches, driving means for said machine mounted on said beams and connected to the rear wheels to drive the same, means to operate said driving means and to steer the machine from a position on top of said beams, and platforms including guard rails secured to the sides of said arches on the outside and longitudinally of the machine and directly above the wheels to support workmen engaged in detasseling growing corn, said arches being adapted to span the growing corn while the wheels and platforms move between the rows.

2,184,199
TANK MAGNET
Henry G. Stephan, Chicago, Ill.
Application February 20, 1939, Serial No. 257,564
6 Claims. (Cl. 175—367)



5. In a device of the class described, the combination of a casing, a cap threaded at its lower end into said casing, said cap comprising a body portion provided with a dome, said body portion provided with a horizontal, outwardly projecting annular flange, said flange provided with a plurality of horizontal slots, closure means in the outer ends of said slots, a wire-retaining device within said dome, said wire-retaining device comprising an apertured disk body with outwardly and downwardly extending spring fingers, said spring fingers provided with outer flat ends seated in said slots, and wires extending through the dome of said cap and through the apertures of said disk and connected to said electromagnet.

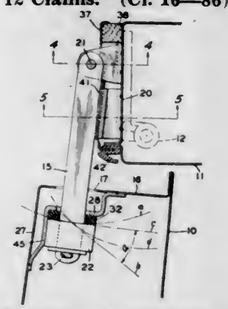
2,184,200
COUNTERROTATING COUNTERBALANCE
Calvin I. Thomas, Texon, Tex.
Application May 5, 1938, Serial No. 206,249
5 Claims. (Cl. 74—41)



1. In an operating mechanism for a well pump or the like, said mechanism including an operating beam, means to rock said beam including cranks, said means further including opposite-

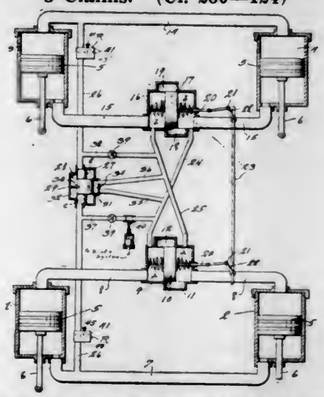
ly rotatable weight devices, a gear connected to each device, gearing to operate said gears in opposite directions, and reaction links operated by said cranks.

2,184,201
DOOR CHECK
Rudolph I. Schonitzer, Shaker Heights, Ohio
Application July 5, 1938, Serial No. 217,333
12 Claims. (Cl. 16—86)



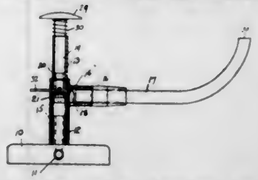
1. In combination, a supporting structure, a door structure hinged thereon, and a rigid check arm pivotally secured to one of said structures and extending into the other structure, the structure to which said check arm is pivotally secured having means for cooperation with said check arm in arresting pivotal movement thereof in one direction when said check arm reaches a predetermined position during opening movement of the door structure.

2,184,202
STABILIZING SYSTEM FOR VEHICLES
Carl A. Tschanz, Cincinnati, Ohio
Application December 28, 1937, Serial No. 182,074
8 Claims. (Cl. 280—124)



1. In combination with a chassis, a front running gear, a rear running gear, and suspension springs interposed between the gears and the chassis; a hydraulic stabilizing system comprising a pair of front transversely spaced cylinders, pistons working therein, a pair of rear transversely spaced cylinders, pistons working in said rear cylinders, said pistons and cylinders being operatively engaged with the chassis and the running gears, a line connecting each pair of cylinders upon corresponding sides of the pistons, a second fluid line connecting each pair of cylinders at the opposite sides of the pistons, a valve casing interposed in the second-mentioned line connecting the cylinders of one pair, a valve casing in the first-mentioned line connecting the other pair of cylinders, each of said valve casings having two bypasses, a valve member in each of the casings normally in a position to close both of the bypasses against flow therethrough, means for causing said valve members to move in unison and in the same direction upon increase of fluid pressure at either side of a piston, the movement of each valve member in one direction opening one of the bypasses for flow therethrough and movement of the valve member in the opposite direction opening the second bypass for flow therethrough, pipe lines connecting the opposite end portions of the valve casings, each pipe line leading from one end portion of a casing to the opposite end portion of the second casing, the points of communication of the pipe lines with each of the casings being at opposite sides of the valve member working in such casing.

2,184,203
BUNSEN BURNER
Roy Cornish Underwood, Sydney, New South Wales, Australia
Application March 28, 1938, Serial No. 198,587
8 Claims. (Cl. 158—111)

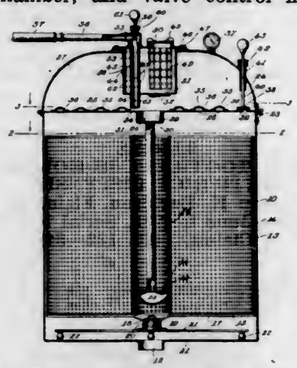


8. In a gas burner, a delivery pipe having a lateral delivery aperture, a supply pipe in communication with said delivery pipe, a valve stem closely fitting and slidable and rotatable in said delivery pipe, and a spring urging said stem in one direction; a valve on the inner end of said stem normally positioned at said aperture and comprising a body of less diameter than said stem, an annular abutment on said body, a collar on said body adjacent to and spaced from said abutment, a collar on said body adjacent to and spaced from the inner end of the stem proper and having a peripheral slot, said abutment and collars contacting the wall of said delivery pipe, there being a passage in said body extending from its free end and communicating with the space between said collars and a small passage extending through said collar adjacent to said abutment near its periphery; and a pin projecting into said delivery pipe cooperating with said collar having a peripheral slot to limit sliding movement of said stem under urge of said spring, said slot permitting that collar to pass said pin.

2,184,204
DISHWASHER
Charles Walker, Fayetteville, N. C.
Application June 21, 1938, Serial No. 214,990
4 Claims. (Cl. 141—9)

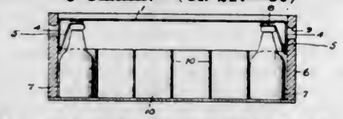
1. A dishwasher comprising a hollow container casing, a removable open work article supporting rack in said container casing, and a top closure for said container casing, said closure comprising a chambered dome having a multiplicity of jet orifices in its bottom, means associated with said orifices for causing a whirling motion to the

jets from said orifices, a soap container in the dome chamber, and valve control means for



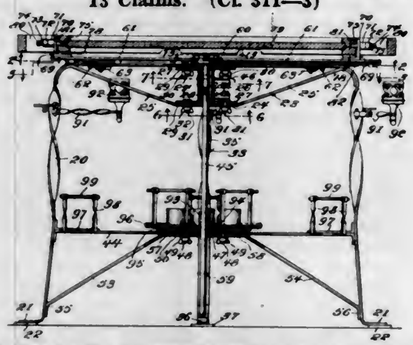
supplying water under pressure selectively to the dome chamber direct or through the soap chamber, at will.

2,184,205
COVER OR LID FOR BOXES AND CASES
Harley E. Weikel, Fort Wayne, Ind.
Application April 12, 1939, Serial No. 267,460
6 Claims. (Cl. 217—56)



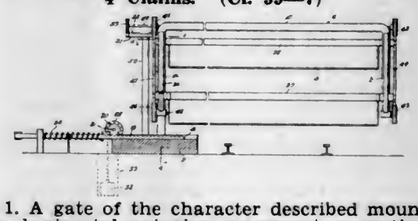
1. In combination, a case and bottles therein, and a cover for said case comprising a main section fitting in the case above the tops of the bottles, downwardly folded sections at opposite sides of the main section and resiliently engaging the adjacent walls of the case and upwardly folded locking flaps on the wall engaging sections resiliently engaging the bottles adjacent to said sections.

2,184,206
COMBINATION TABLE
Harry G. Welsbacher, Canton, Ohio
Application January 11, 1939, Serial No. 250,439
13 Claims. (Cl. 311—3)



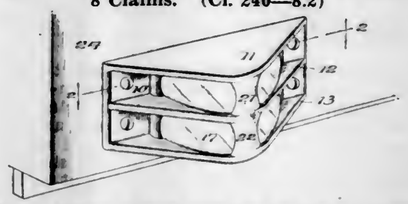
1. In a table, the combination of a frame constituting an inverted U-shaped strip, the arms of which comprise leg portions; a brace member joining the arms of the said U-shaped member a substantial distance from the ends thereof; a vertically disposed shaft carried centrally by the said strip and the said brace member; a plate member rotatably carried by the shaft adjacent the said U-shaped member; and leg members formed with right angularly disposed top portions, the ends of which are secured to the said plate and rotatable therewith.

2,184,207
HIGHWAY AND STOCK GATE FOR RAILROADS
John S. Bretz, Detroit, Mich.
Refile of abandoned application Serial No. 53,077, December 5, 1935. This application March 13, 1939, Serial No. 261,585
4 Claims. (Cl. 39—7)



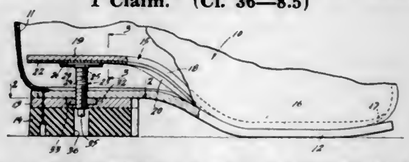
1. A gate of the character described mounted for horizontal swinging movement, a vertically movable belt carried by the gate and horizontal gate bars secured to the belt for movement therewith to avoid obstructions over which the gate must move.

2,184,208
LIGHT
Joseph L. Brown and Benjamin S. Horton, Charlotte, N. C., assignors to Brown Equipment Company, Charlotte, N. C., a corporation of North Carolina
Application August 2, 1938, Serial No. 222,701
8 Claims. (Cl. 240—8.2)



8. In a light a base member and two substantially parallel plate members all in one piece, a substantially semi-circular groove in the inner side of each plate member, and a lens having substantially semi-circular ends extending from one plate to the other and adapted to be inserted by rotating in the grooves.

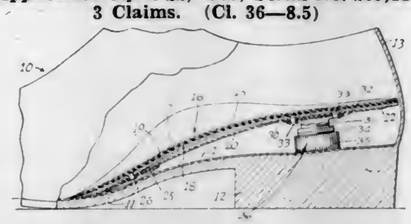
2,184,209
ADJUSTABLE HEIGHT INCREASING SHOE
Joseph Burger, New York, N. Y.
Application April 17, 1939, Serial No. 268,315
1 Claim. (Cl. 36—8.5)



In a shoe including a heel, a support for increasing the apparent height of a person comprising an inner sole having a metallic heel and arch

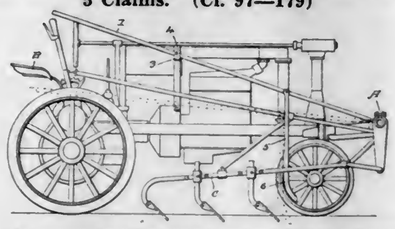
reinforcing portion, the latter being adapted to be raised or lowered with respect to the shoe, a support means movably mounting said support in the heel of the shoe, said support means including an element projecting upwardly into the shoe, means rotatably connecting said element to the heel portion of the inner sole, said support element comprising a threaded stem, a flat head on the upper end of said stem, said support means comprising a nut fixedly locked within the heel of the shoe, said heel having an opening coaxial with said nut and stem, said stem threadedly engaging said nut and being adapted for axial vertical movement in said opening, said stem at its lower end terminating in a non-circular end extension adapted to be engaged by a key inserted through said opening for rotating said stem, the means for rotatably connecting said element to the heel portion of the inner sole comprising a U-shaped bracket surrounding said stem and adapted to hold the head thereof in seated engagement with the under surface of said heel reinforcing portion, and means fixedly securing the bracket and the metallic reenforcing portion to the inner sole.

2,184,210
INSERTABLE ADJUSTABLE HEIGHT INCREASING ELEVATOR FOR SHOES
Joseph Burger, New York, N. Y.
Application April 22, 1939, Serial No. 269,444
3 Claims. (Cl. 36—8.5)



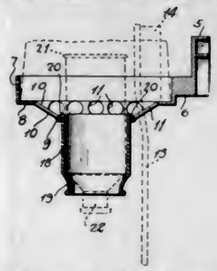
1. An insertable combined arch support and elevator for a shoe comprising a flexible non-metallic arch support having an elongated metal shank on the under surface thereof, shock absorbing means fixed to the forward end of said shank, a plate secured to the rear end of said shank, an elevator support adjustable as to height fastened to said plate, said shock absorbing means comprising a longitudinally bowed spring having pointed ends adapted to bite into the inner sole of the shoe to thus inhibit displacement of said combined arch support and elevator when in position in the shoe.

2,184,211
CULTIVATOR ATTACHMENT
John L. Croy, Duncan, Okla.
Application February 23, 1939, Serial No. 258,038
5 Claims. (Cl. 97—179)



1. A debris cutting attachment for a cultivator, comprising an operating bar, cutting means pivotally secured to said bar and depending therefrom for disposal in the ground in advance of the shovels of the cultivator to swing rearwardly on its pivot for cutting debris from the shovels, and said bar being connected to the cultivator for raising and lowering the cutting means into and out of use.

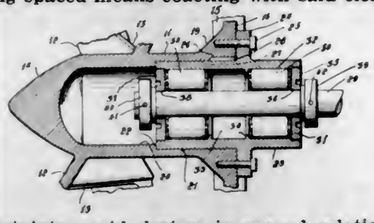
2,184,212
SANITARY TOOTH BRUSH HOLDER AND DENTIFRICE DISPENSER
Khoren K. Davidson, Elgin, Ill.
Application June 1, 1939, Serial No. 276,935
4 Claims. (Cl. 132—84)



1. In assemblies for dental purposes, wherein the assemblage includes the dentifrice container, one or more tooth brushes for applying the dentifrice, and a glass for the mouth-rinsing fluid, a holder fixture for supporting said assemblage members with the members arranged symmetrically to a common axis of the holder, said holder comprising a body portion having an upstanding annular flange leading from the periphery of a horizontal seat face with the face and flange adapted to support the glass in inverted position, said flange additionally carrying a laterally extending supporting structure adapted to be removably secured to a support, said seat portion having an internal conical flange leading downwardly and with the latter provided with a plurality of openings spaced in an annular series adjacent the inner periphery of the seat with each opening adapted to receive the handle of a tooth brush with the brush head above the conical flange, said conical flange having its inner margin in the form of an annular rib-like formation, and an annular member loosely supported on the rib-like formation and depending downwardly therefrom and adapted to receive and support the dentifrice container with the dispensing zone of the latter exposed below the annular member, said upstanding flange, seat, conical flange, and annular member being symmetrically disposed relative to a common axis extending vertically through the assemblage, whereby the brush head portion of the tooth brushes will be housed within the glass annularly with respect to the body of the dentifrice container, and whereby preliminary removal of the glass is requisite to permit removal of a tooth brush or manipulation of the dentifrice container.

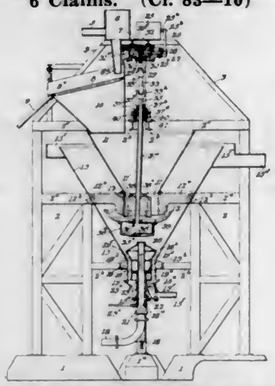
2,184,213
FAN BEARING
Warren Earl, Houston, Tex.
Application January 14, 1939, Serial No. 251,014
3 Claims. (Cl. 308—18)

1. A bearing structure for a fan of that type including a hub open at its rear end, a driving means therefor at said end and an internal shoulder, said structure comprising a cylindrical bearing member extending for a portion of its length into the hub, abutting said shoulder and projecting rearwardly from said hub end, said member being formed intermediate the ends of its outer periphery with a flange for abutting said driving means, spaced means for securing said flange to said driving means, axially apertured removable end closures for said member disposed within and connected to the latter, a pair of anti-friction devices arranged in said member, said member having spaced means coacting with said closures



for retaining said devices in spaced relation, a stationary shaft extending through said members and closures and encompassed by said devices, a pair of stop collars for arresting the bodily shifting of said member lengthwise of and fixed to said shaft exteriorly of said member, said collars abutting the outer faces of said closures, and means engaging in the outer periphery of said member and adapted to engage in the inner face of the hub for locking said member against rotation relative to the hub.

2,184,214
GYRATORY CRUSHER
Russell Scott Ellis, Vineland, N. J.
Application April 27, 1939, Serial No. 270,408
6 Claims. (Cl. 83—10)



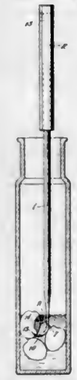
1. In a gyratory crusher; the combination with a vertical tubular crusher member; of a circular crusher member within said tubular member in radially spaced relation therewith; means for suspending said circular crusher member with freedom for gyratory movement, including an axial tubular member rigidly connected at its lower end with said circular crusher member; means for effecting gyratory movement of said circular crusher member including a rotary shaft in coaxial relation therewith. and a weight eccentrically disposed with respect to said shaft; a motor; means for operatively connecting said shaft with said motor, including a flexible coupling at the upper end of said shaft; a conical hopper in coaxial relation with said tubular crusher member; a conical separator casing in coaxial relation with said tubular crusher member; and means rigidly connecting said tubular crusher member, hopper, and separator casing, including a cast metal frame encircling said crusher member and having radial arms connected with said separator casing.

2,184,215
MILK BOTTLE TOP
Fred W. Geyer, Washington, D. C.
Application January 11, 1939, Serial No. 250,441
4 Claims. (Cl. 215—51)



1. A bottle cap comprising a disc having an upstanding annular flange and an opening therein, a second disc having a movable lip closing the opening, a third disc formed of flexible material and having a portion adjacent the periphery connected to the outer free end of the lip, the third disc being housed between the first and second discs are provided with a tongue which is secured to said discs adjacent the peripheries thereof and at a point which is diametrically opposite the connection with the lip, the portions of the third disc at opposite sides of the tongue having their inner edges spaced from the side edges of said tongue and being freely movable between the first and second discs when the lip is moved either to open or closed position.

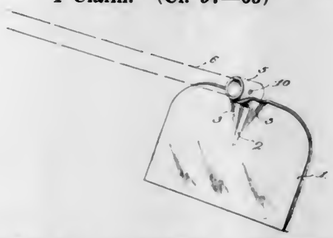
2,184,216
OLIVE UTENSIL
Edward Henry Gross, Kenmare, N. Dak.
Application May 31, 1939, Serial No. 276,705
1 Claim. (Cl. 30—137)



An olive utensil comprising a shank portion, claws formed at one end thereof and integral therewith, said claws including two longer claws and a shorter claw, each of such claws having an arm portion and a hook portion, the arm portions of said longer claws extending substantially equal distances from said shank portion and diverging outwardly from each other, the arm portion of said shorter claw lying between, and extending a shorter distance than, said arm portions of such longer claws, the arm portions of said three claws lying in substantially the same plane

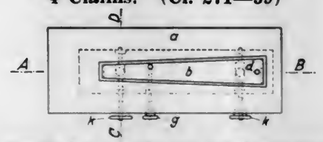
and the hook portions of said three claws extending at substantially right angles to such plane, the hook portions of said longer claws being longer than the hook portion of said shorter claw, whereby three points of support are provided for an olive by the hooks of the two longer claws adapted to engage on either side of the olive below its center and by the hook of the shorter claw adapted to impale an olive thereon.

2,184,217
GARDENING IMPLEMENT
Andrew M. Guynn, Houston, Tex.
Application May 16, 1938, Serial No. 208,247
1 Claim. (Cl. 97—65)



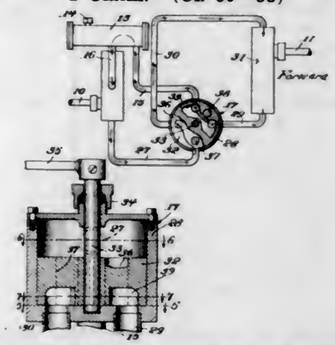
A garden hoe comprising a relatively wide blade of substantially rectangular formation and having rounded upper corners and a beveled lower edge, a transversely curved portion formed on the upper end of the blade centrally thereof and extending rearwardly therefrom, said portion providing a channel pocket, reinforcing ribs formed on the blade in corrugated formation and extending downwardly from said portion to adjacent the center of the blade, one of said ribs disposed centrally of the blade and the other ribs extending in diverging relation with respect to each other from adjacent the lower end of the center rib and upon opposite sides thereof, said ribs increasing in width from their lower to their upper ends and merging into the pocket portion in curved formation, a sleeve welded in the pocket and extending forwardly therefrom to provide a recess at the juncture of the ribs with the pocket portion to receive the welding material, said sleeve providing a handle socket, and a handle secured in said sleeve.

2,184,218
DEVICE FOR ELIMINATING DIFFERENCES IN REGISTER
Gerhard Heinrich, Hainsberg, Saxony, Germany, assignor to Georg Spiess, Leipzig, Germany
Application February 8, 1939, Serial No. 255,328
In Germany July 12, 1937
4 Claims. (Cl. 271—59)



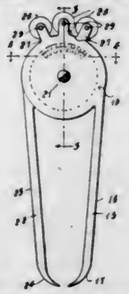
1. A device for eliminating differences in register in feeders of printing machines, characterized in that in the feeding table provided with lay-marks, a fanlike tongue vertically and laterally adjustable relative to the surface of the table is arranged and can be so adjusted that a central portion of the sheet is lifted by the tongue and the edges of the sheet remain on the table, whereby the edges will move inward an amount sufficient to bring them back into proper registry relative to the lay-marks.

2,184,219
HYDRAULIC TRANSMISSION
Jesse C. Johnson, Delray Beach, Fla.
Application February 11, 1938, Serial No. 190,124
1 Claim. (Cl. 60—53)



In a hydraulic transmission, a control valve comprising a casing having three pipes entering the bottom, a pipe entering the casing near the top thereof, a valve body in the casing below the last named pipe, the valve body being provided with a stem which projects from the casing, and a handle on the stem for controlling the valve body, there being three ports in the valve body disposed parallel with the axis of the stem and opening through the top and bottom faces of the body and adapted to be selectively brought into registration with the first named pipes, the body also being provided with a by-pass for selectively connecting two of the first named pipes, the valve body being of substantially less height than the height of the casing to provide a space above the valve body to which fluid medium may flow from the pipe in the top of the casing to the open upper ends of the three ports in the valve body.

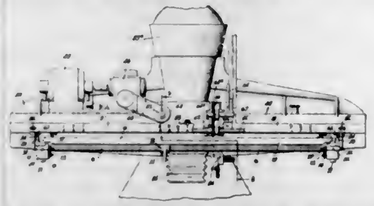
2,184,220
PIPE CLEANER
Christian J. Kaiser, Great Falls, Mont., assignor of five per cent to W. H. McQueary and Irene McQueary, Ferdig, Mont.
Application January 16, 1939, Serial No. 251,236
4 Claims. (Cl. 131—246)



1. In a cleaning device for tobacco smoking pipes, a pair of complemental oppositely disposed cup-shaped members disposed in inner facewise opposed relation, one being revolubly adjustable relative to the other, means for connecting said members together, said means providing a shaft for the said revolubly adjustable member, and a pair of elongated oppositely inwardly inclined cleaning arms of like form each having one of its ends integral with an edge portion of an outer

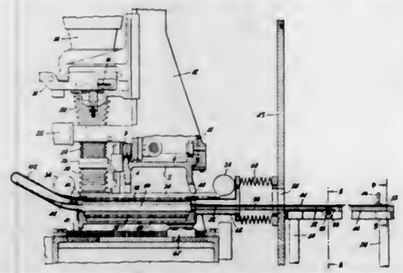
side edge of a member, said arms having free end terminal portions disposed upon an inwardly directed curve throughout.

2,184,221
PLATE HOLDER AND CARRIAGE FOR PHOTOGRAPHIC LETTERING MACHINES
Alexander T. Koppe, Hasbrouck Heights, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application August 14, 1936, Serial No. 96,105
20 Claims. (Cl. 95—4.5)



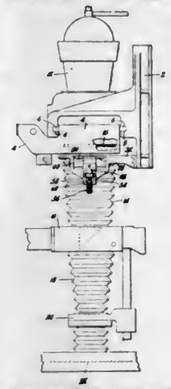
1. In a photographic lettering machine, in combination, a longitudinally movable carriage for an alphabet plate, said carriage being provided with transversely movable carriers for supporting an alphabet-plate-holder receiving means, means for moving said carriers, and interengageable stud and socket devices carried at both ends of the carriage and at both ends of the carriers, for moving the carriers to, and locking them in, a definite predetermined position, and manually operated means extending lengthwise of the carriage for simultaneously operating said stud and socket devices.

2,184,222
APPARATUS FOR LOADING AND UNLOADING A PHOTOGRAPHIC LETTERING MACHINE
Alexander T. Koppe, Hasbrouck Heights, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application August 15, 1936, Serial No. 96,295
14 Claims. (Cl. 95—4.5)



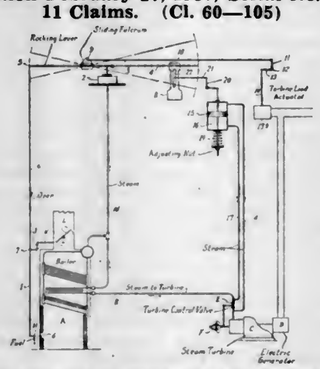
1. In a photographic lettering machine, in combination with image projecting means positioned on the outside of a dark room, carrier means for light sensitive material loadable and unloadable in the dark room, before and after exposure, and movable back and forth between the dark room and the lettering machine, and means for moving the carrier and the light sensitive material in a direction parallel to the optical axis of the lettering machine, to an exact focal position, after the carrier and the light sensitive material have reached an approximate focal position in the lettering machine.

2,184,223
LETTER PROPORTION VARYING DEVICE
Harold A. Horman, Lyndhurst, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application August 14, 1936, Serial No. 96,110
7 Claims. (Cl. 95—4.5)



1. In a photographic lettering machine, the combination with a character bearing plate, a camera lens and a source of light for projecting a beam of light through the character plate and lens onto a sensitized surface, of a bracket positioned to one side of the path of said beam of light, between the character plate and the sensitized surface, means for variably positioning said bracket in a direction substantially parallel to said beam of light, a lens holder for holding a lens in the path of the beam of light, a cylindrical lens in said lens holder, means for detachably securing said lens holder to said bracket so as to be movable therewith, and to be quickly attachable to and removable from said bracket, and means forming a light tight box positioned between said lens holder and the camera lens.

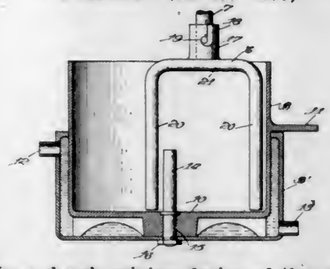
2,184,224
METHOD AND APPARATUS FOR THE OPERATION OF STEAM BOILERS AND ACCESSORY DEVICES
Charles E. Lucke, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application February 17, 1937, Serial No. 126,134
11 Claims. (Cl. 60—105)



1. The method of operating a steam boiler with controlled air fuel ratio in combination with a turbine having a throttle valve which comprises

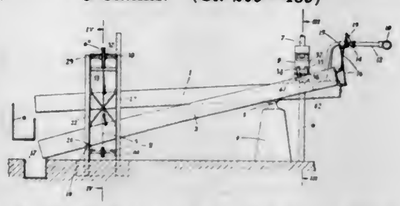
adjusting the rate of combustion from a measure of steam pressure and turbine load, and readjusting from a measure of pressure drop across the throttling valve whereby operation of the turbine at all loads appproaches constant steam volume.

2,184,225
MIXING DEVICE
Claude A. McDuffee, Chicago, Ill., and Taylor W. Creech, Joplin, Mo.
Application June 2, 1938, Serial No. 211,454
2 Claims. (Cl. 259—107)



1. In a dough mixing device of the character set forth: a vertically disposed cylindrical mixing bowl having one centrally disposed round stud extending up near to the center of the bowl; a single U-shaped agitator journalled above said bowl and having parallel round arms disposed so as to rotate eccentrically about said stud; and driving means for moving said agitator bodily around the stud while rotating the arms with respect to said stud.

2,184,226
ORE AND LIKE CONCENTRATOR
William Leonard Opie, Prestatyn, Wales, assignor to Sierra Leone Development Company Limited, London, England, a British company
Application September 6, 1938, Serial No. 228,699
9 Claims. (Cl. 209—489)



1. A concentrator of the character herein set forth comprising a plurality of sluice boxes pivotally mounted near adjacent feed ends and to which the ore is admitted in succession, flexible means connecting and supporting the opposite adjacent ends of said boxes in substantially counterbalanced relation, and means to initiate the discharge of one box, and means to wash the concentrate from one box, and means to feed ore to another box, said last two means being controlled by movement of the boxes by the weight of the concentrate.

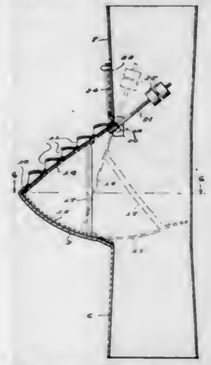
2,184,227
METALLIC DISPENSING RECEPTACLE
Herman W. Rueger, Lancaster, Pa., assignor to Liberty Can and Sign Company, Lancaster, Pa., a corporation of Pennsylvania
Application July 14, 1939, Serial No. 284,547
8 Claims. (Cl. 221—62)

1. A metallic dispensing receptacle comprising a body, a closure plate seamed to said body by an upstanding seam, said closure plate being formed with an opening spaced from the sides and end of said plate, a recessed seat disposed about said opening, a closure plug seated in said seat, and a seal contacting the upper face of said plate, in combination with a sliding cover comprising, as integral parts thereof, a wide depressed portion functioning as a presser foot, a web connecting the depressed portion at all points about the same with the upper plane portion of said cover and extending substantially perpendicularly to said plane portion, said web having side portions re-



spectively in sliding contact with the inner faces of the respective sides of said seam and end portions respectively contacting the respective ends of said seam in the respective open and closed positions of said cover, and side flanges respectively extending about the respective sides of said seam and pressing tightly against the laterally inner and lower portions thereof to hold said cover tightly and slidably against the crests of said sides of said seam, the depth or length of said presser foot from the lower face of the upper portion of said cover exceeding the height of said seam.

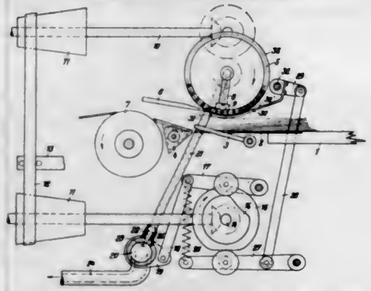
2,184,228
AUTOMATIC DRAFT REGULATOR
John Schultz, New Britain, Conn.
Application May 13, 1939, Serial No. 273,538
1 Claim. (Cl. 236—45)



A draft regulator of the character described comprising a tubular member having a substantially rectangular intermediate portion and flared substantially cylindrical inlet and outlet end portions, said tube having opposite side walls thereof at the squared intermediate portion of said tube extended laterally and having straight and curved edges, a wall connecting said wall extensions at the straight edges thereof, an arcuate wall connecting said wall extensions at the arcuate edges of said wall extensions, said first-named connecting wall being provided with a series of louvres, a substantially L-shaped valve member pivotally mounted in said tube and including a relatively flat valve part for controlling said louvres and an arcuate valve part for movement across the interior of said tube at the inner end of the inlet end of said tube, a cross bar connected to the free end of the flat valve part and

having pintles at its ends, bearing members in the tubular member for receiving the pintles, said bearing members being located adjacent the junction of the straight edges of the lateral extensions of the side walls with the adjacent portion of the tubular member, a threaded shank connected with the bar and extending into the tubular member and weights threaded on said shank for normally holding the valve in inoperative position within the lateral extension of the tubular.

2,184,229
CONTROL DEVICE FOR SHEET FEEDING APPARATUS
Georg Spiess, Leipzig, Germany
Application February 18, 1938, Serial No. 191,334
In Germany December 24, 1936
6 Claims. (Cl. 271—27)



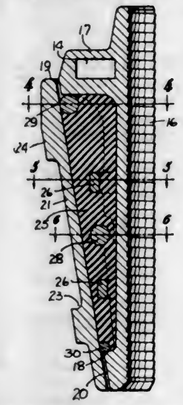
1. Apparatus for separating and feeding the topmost sheet of a pile to a working machine by means of a constantly rotating forwarding roller, disc or like member, which is continually under suction action, wherein suitably controlled intermediate members operable adjacent the separating position are provided, which members allow, at each operating sequence in one position thereof, the raising of the sheet to within a short distance of the suction forwarding roller, disc, or the like, but in another position thereof are withdrawn from the space between the suction forwarding roller, disc or the like and the pile for the purpose of transferring the sheet to the said suction forwarding roller or the like, and in this manner allow the sheet to be sucked through a very short space directly to the surface of the said suction forwarding member and said apparatus including means for controlling the relative speeds of the forwarding roller and the controlled intermediate members.

2,184,230
CUFF LINK
Alfred Sudmann, Vegesack, Germany
Application September 15, 1938, Serial No. 230,130
In Great Britain September 20, 1937
3 Claims. (Cl. 24—102)



3. A cuff link comprising two heads, a pair of arms, said arms comprising substantially flat strips, one end of each arm being substantially wider than the remainder thereof, means swingably connecting each of said widened ends to one of said heads, the other ends of said arms being twisted axially to lie at substantially right angles to the intermediate portion thereof, cup-like portions formed in said last named arm ends, a rivet axially of both of said cup portions and connecting the same together in spaced and opposed relation for relative rotative movement, a spring arranged between said cups to resist rotative movement of said cups on said rivet, and a hollow cylindrical sleeve surrounding said spring, the ends of said sleeve being fitted into said cups to maintain the same in spaced relationship and provide bearings therefor, the intermediate portions of said arms being normally held in abutting relation by the action of said spring.

2,184,231
SLIP
Herbert Allen, Houston, Tex., assignor to Abercrombie Pump Company, Houston, Tex., a corporation
Application January 14, 1937, Serial No. 120,496
3 Claims. (Cl. 24—263)

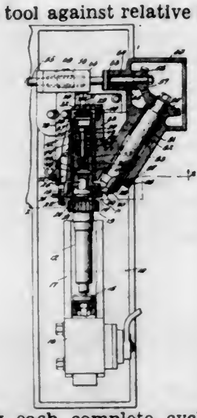


2. In a pipe engaging slip including an inner pipe engaging section, an outer bowl engaging section, one of said sections having end flanges projecting toward the other section, said other section having side flanges projecting toward said first section, opposed spaced bearing portions on said sections between said flanges, said opposed spaced bearing portions and said flanges forming a chamber between the sections, a body of rubber, means including said flanges confining such rubber in such chamber between said portions and said flanges so as to transmit the load from said inner to said outer section.

2,184,232
CHAMFERING MACHINE
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 15, 1935, Serial No. 50,043
14 Claims. (Cl. 90—1)

12. In a machine for chamfering toothed elements, the combination with means supporting a toothed element and a cutting tool in operative relation for rotational movement in planes intersecting at an acute angle, of means for rotating said element and tool at a uniform speed and in a constant ratio about relatively fixed axes during each complete cycle of rotational movement of the tool to cause said tool successively to engage and chamfer the end faces of the teeth of said element, said supporting means holding said

element and tool against relative bodily displace-



ment during each complete cycle of rotational movement of said tool.

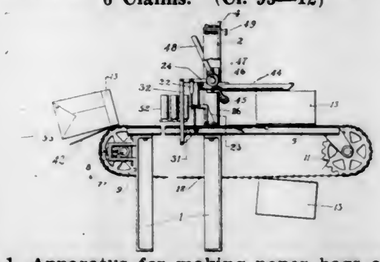
2,184,233

APPARATUS FOR MAKING PAPER BAGS

Fred J. Coty, Niagara Falls, N. Y., assignor of one-third to Albert Barney and one-third to Oliver D. Horton, both of Niagara Falls, N. Y.; Fred P. Coty, administrator of said Fred J. Coty, deceased

Application May 13, 1936, Serial No. 79,525

6 Claims. (Cl. 93—12)



1. Apparatus for making paper bags and the like comprising a pair of sprocket wheels, a chain carrier driven by said sprocket wheels, a plurality of forms on each of which a bag is to be formed, the forms being attached to said carrier adjacent one edge of each form, grippers for holding a paper blank in contact with one face of the form, stationary means for drawing the paper blank over one end of the form and over the face of the form opposite to said first mentioned face, means operated by the continued motion of the form and attached blank for folding projecting portions of the blank against faces of the form disposed between the two faces of the form that have already been covered and for forming triangular end flaps of the residual portions of the paper blank, and means for folding said triangular flaps against the faces of the form last covered, thus completing the forming of the bag.

2,184,234

DEHYDROGENATION PROCESS

Herbert P. A. Groll and James Burgin, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 26, 1935, Serial No. 18,386

13 Claims. (Cl. 260—683)

13. A process for effecting the catalytic dehydrogenation of an organic compound which comprises contacting a dehydrogenatable hydrocarbon containing at least two carbon atoms with a compound catalyst essentially comprising aluminum oxide and chromium oxide and wherein each oxide is present in an effective amount with the former in substantial gravimetric excess over the latter at a temperature favorable to dehydrogenation but below the temperature at which substantial pyrolysis occurs, the dehydrogenation being effected in the initial presence of a substantial amount of added hydrogen.

2,184,235

CATALYTIC DEHYDROGENATION OF ORGANIC COMPOUNDS

Herbert P. A. Groll, Berkeley, and James Burgin, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 6, 1937, Serial No. 178,358

9 Claims. (Cl. 260—683)

7. In a process for effecting the catalytic dehydrogenation of a dehydrogenatable hydrocarbon to a product containing the same number of carbon atoms but fewer hydrogen atoms by contacting such a hydrocarbon with a catalytically active material at an elevated temperature favorable to dehydrogenation but below the temperature at which substantial cracking occurs, the step which comprises employing the catalytically active material incorporated in the surface of an activated alumina having the characteristics of the "activated alumina" of commerce.

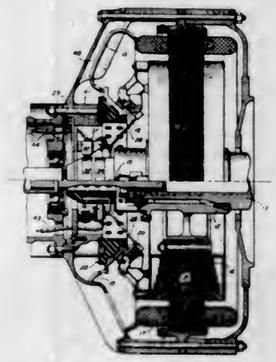
2,184,236

PRIME MOVER DYNAMO PLANT

Ralph M. Heintz, Montclair, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 5, 1938, Serial No. 239,091

13 Claims. (Cl. 290—31)



1. In an internal combustion engine power plant, a dynamo-electric machine having a stator winding to deliver alternating current and a rotor integrated with the engine crank-shaft to impart initial rotation to said crank-shaft when current is fed to the rotor and stator windings from an external source, and means for interrupting the feeding of current from said external source to said stator windings, said means being responsive to acceleration of said crank-shaft to a predetermined speed.

2,184,237

COLORING FRUIT

Kenneth H. Klipstein, New Vernon, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 8, 1939, Serial No. 278,086

5 Claims. (Cl. 99—103)

1. In a process of imparting color to whole citrus fruit the step of subjecting whole citrus fruit to the coloring action of an aqueous soap dispersion of a xylene azo beta naphthol dye containing less than 30% of the meta isomer.

2,184,238

ACCELERATOR OF VULCANIZATION

Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 16, 1936, Serial No. 80,139

16 Claims. (Cl. 260—788)

6. The process of accelerating the vulcanization of rubber which comprises vulcanizing rubber in the presence of an organic accelerator from the group consisting of ultra and semi-ultra accelerators and an activator for said accelerator which is a complex compound of a metal salt with an amine from the group consisting of primary amines, secondary amines of aliphatic characteristics and tertiary aliphatic amines.

2,184,239

VULCANIZATION OF RUBBER

Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 30, 1936, Serial No. 88,209

17 Claims. (Cl. 260—788)

1. The process of accelerating the vulcanization of rubber which comprises incorporating in a rubber mix the addition product of zinc benzothiazyl mercaptide and an organic amine containing at least one hydrogen atom attached to the amino nitrogen atom, and vulcanizing.

2,184,240

NECK SHIELD

Nellie B. McInnis, Sedro Woolley, Wash.

Application October 29, 1938, Serial No. 237,763

3 Claims. (Cl. 2—174)



1. In a neck shield for use with a net when drying the hair, a crescent-shaped member of oiled silk or equivalent material having its concave edge hemmed and fitted with an elastic string, hooks engaging the elastic string and sewed to the ends of the concave edge of the shield for holding the latter in position over the neck and ears by the act of catching the hooks in the net, the shield being provided with pockets opening toward said concave edge and positioned to overlie the ears of the wearer in use, said pockets operating to receive paper stiffeners to cause the shield to stand out from the sides of the head.

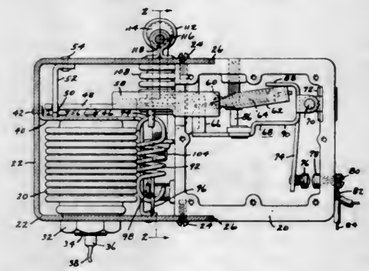
2,184,241

SWITCH FOR REFRIGERATING APPARATUS

Edward B. Newill, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application September 28, 1937, Serial No. 166,135

4 Claims. (Cl. 200—83)



1. A control means including a sealed casing containing a means to be operated, a pressure operated means having a movable portion within said sealed casing for operating said means to be operated, external adjustment means for said control means, and hermetically sealed means operated by said external adjustment means for adjusting the operation of said means to be operated by said pressure operated means.

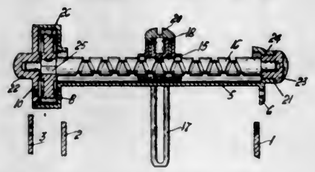
2,184,242

FISHING REEL

Charles T. Pflueger, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio

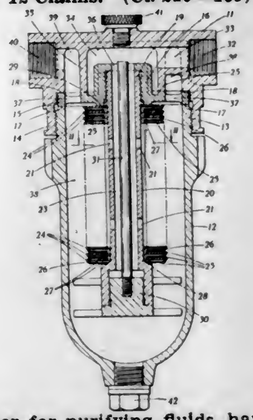
Application March 22, 1937, Serial No. 132,207

1 Claim. (Cl. 242—84.4)



In a fishing reel the combination of a reel frame, and a level wind mechanism attached thereto, said mechanism comprising a casing consisting of an integral gear housing and axially disposed tube, a screw threaded shaft therein and a driving gear in releasable engagement with the shaft, said gear housing on the tube partly encircling the gear, releasable means to hold the casing upon the reel frame but enabling it to be removed as a unit, a removable shaft bearing carried by the tube at the end thereof remote from the gear housing enabling the shaft to be removed from the casing while the latter is attached to the reel frame, said bearing consisting of an exteriorly threaded cap that is screwed into an opening in the end of the tube, which opening is of larger diameter than said shaft, said cap being formed with a bearing recess that receives a journal of reduced diameter on the end of the shaft, and a lock washer interposed between the end of the tube and the head of the cap.

2,184,243
FILTER FOR PURIFYING LIQUIDS OR GASES
Paul Belyavin, London, England, assignor, by mesne assignments, to Flexofiltration Limited, London, England
Application December 28, 1936, Serial No. 117,954
In Great Britain February 6, 1936
12 Claims. (Cl. 210—169)



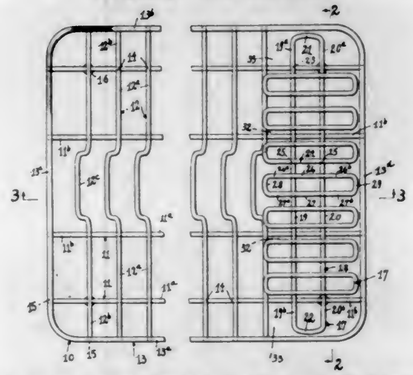
1. A filter for purifying fluids, having a series of cooperating couples of annular elements disposed in a vertical pile, at least one supporting member extending longitudinally of the pile constraining said elements against radial displacement, and end members connected to said supporting member, the upper element of each couple being substantially plane and the lower element of each couple having at one peripheral margin a turned-up flange engaging the whole coacting margin of said plane element substantially perpendicularly and at its opposite peripheral margin a depressed portion engaging the plane element of the subjacent couple, said substantially plane elements being relatively more rigid than said flanged elements, said end members pressing said elements together axially to set up oppositely acting forces at said opposite margins of said lower elements, said supporting member and said end members being mutually adjustable for varying the compression of said elements, and said couples of elements being separable at their mutually engaging margins by flexing under the pressure of passing fluid to afford filtering clearance.

2,184,244
BICYCLE
Paul F. Meyer, Gary, Ind.
Application August 30, 1938, Serial No. 227,499
4 Claims. (Cl. 280—257)



1. In a bicycle, in combination with a bicycle frame-work provided with front and rear transmission bearing supports, a transmission unit placed rearward of the bicycle seat comprising, a lever having two extensions 180° apart journalled in the rear bearing support of the said frame-work, a driving sprocket secured integrally to said lever, two treadle members having front bearing portions articulately secured to the front transmission bearing support of the said bicycle frame-work, said treadle members also provided with rear bearing portions, intermediate link means articulately connected to the extensions of said lever and to the rear bearing portions of said treadle members, and a suitable length of sprocket chain connecting said driving sprocket to a driven sprocket integrally mounted on the rear wheel of the bicycle.

2,184,245
DRAINER BASKET
Henry J. Watral, Astoria, N. Y.
Application August 31, 1938, Serial No. 227,623
5 Claims. (Cl. 141—11)

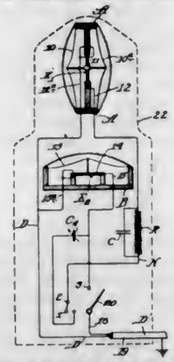


1. In a drainer basket, having a basket proper with an open work bottom, a silver tray having upstanding side walls and a bottom immovably secured within said basket proper, the upstanding side walls for said silver tray being formed of spaced apart elements, the spaces between said elements being open at the top so as to permit respective members in said open work bottom to pass downwardly through the open tops into said spaces when a drainer basket is caused to nest in another one therebelow, said spaced apart elements in the silver tray of said lower basket at the same time passing upwardly through respective openings in said bottom of the upper basket.

2,184,246
METHOD OF PREPARING VEGETABLES
Donald T. Wiltse, Great Neck, N. Y.
No Drawing. Application February 8, 1935, Serial No. 5,587
2 Claims. (Cl. 99—186)

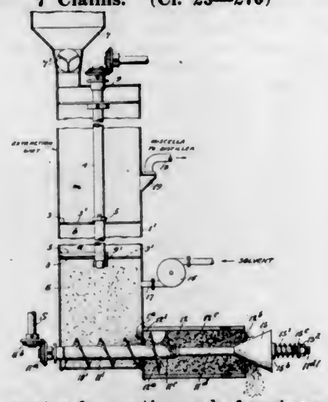
1. The method of preparing and preserving chlorophyll-, carotin-, or erythrophyll-colored vegetables which comprises comminuting the vegetables in substantially fresh clean condition and substantially free of extraneous water, subjecting the comminute mass to a temperature of about 160° F. and to agitation to drive off air and undesirable volatiles from the mass, hermetically sealing the mass as so treated and free from air and volatiles in containers and subjecting the containers and their contents to sterilizing temperatures, substantially as set forth.

2,184,247
MICROPHONE APPARATUS
Benjamin Baumzweiger, Chicago, Ill., assignor to S. N. Shure and Frances Shure, trustee, doing business as Shure Brothers, a partnership
Application December 20, 1937, Serial No. 180,895
10 Claims. (Cl. 179—1)



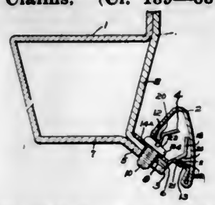
1. In a microphone, a pressure-difference operated piezo-electric transducer; an electrical circuit including the pressure-difference operated piezo-electric transducer and microphone output conductors presenting a shunt capacitance of 200 to 2,000 micro-micro farads, and a resistor having a resistance value between 0.5 and 10 megohms connected in series with and between the above-mentioned transducer and the microphone output conductors; a pressure-operated piezo-electric transducer connected in series relationship with a variably adjustable condenser of 20 to 200 micro-micro farads capacitance, which series arrangement of transducer and condenser is connected across the microphone output conductors.

2,184,248
METHOD AND MECHANISM FOR CONTINUOUSLY FORMING LIQUID-IMPERVIOUS PLUGS IN EXTRACTION UNITS
Michele Bonotto, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del., a corporation of Delaware
Application August 6, 1936, Serial No. 94,582
7 Claims. (Cl. 23—270)



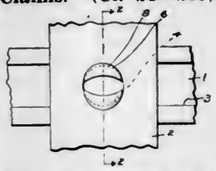
1. Apparatus for continuously forming a liquid-impervious plug for extraction units employed in the solvent extraction of oil-bearing solid materials embodying, in combination, a conduit having an inner wall provided with an entrance opening of a transverse area smaller than the transverse area of said conduit, conveyor means for continuously passing solid material through said entrance opening of said conduit, valve mechanism for partly closing the outer end of said conduit and applying pressure against movement of said material through said conduit, and a packing screw conveyor of larger capacity than said entrance opening mounted in said conduit, said packing screw conveyor having its receiving end in abutment with said inner wall of the conduit for immediately receiving, through said opening, a smaller quantity of material than its capacity and conveying said material to its delivery end, said delivery end of the packing screw conveyor being spaced from said valve mechanism to provide a packing space for continuously and incrementally packing, within said conduit, the material passing through said entrance opening to form a liquid-impervious plug moving through said conduit.

2,184,249
FASTENER MEMBER AND FASTENER INSTALLATION
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 18, 1938, Serial No. 191,242
4 Claims. (Cl. 189—88)



3. A fastener installation comprising a supporting structure, an article of manufacture having an opening, a fastener member having a base in engagement with said supporting structure, yieldable portions extending from said base in fastener engagement with said article through said opening whereby said article is secured to said support, attaching means extending through said base for securing said fastener member to said support, said attaching means having a portion extending above the normal plane of said base in supporting engagement with said article.

2,184,250
SNAP FASTENER STUD
Raymond O. Chaffee, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Original application March 5, 1937, Serial No. 129,215. Divided and this application December 3, 1937, Serial No. 177,963
2 Claims. (Cl. 24—213)



1. A snap fastener stud member having a base and a head portion extending from and integral with the central portion of said base, said head portion comprising a pair of substantially identical resilient petals having diverging shoulders for engagement with a socket member, said head and said base having a slit dividing the same into

said petals, and said petals diverging progressively away from each other beginning where they join the base to provide said shoulder means on opposed surfaces for said stud to adjust itself to parts of various thicknesses, said head being substantially circular in cross-section adjacent to where it joins the base and being oval in cross-section at the diverging portions thereby permitting insertion into a hole the diameter of the circular portion of said head by a snap action.

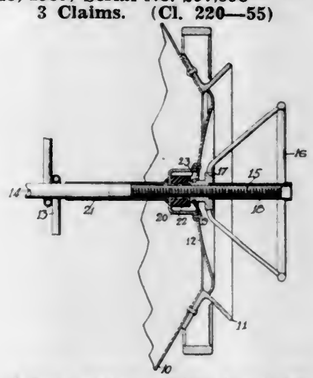
2,184,251

CLOSURE FOR CONCRETE MIXING DRUMS

John P. Faber, Dunellen, N. J., assignor to Ransome Concrete Machinery Co., a corporation of New Jersey

Refiled for abandoned application Serial No. 119,657, January 8, 1937. This application April 13, 1939, Serial No. 267,598

3 Claims. (Cl. 220—55)



1. In closure means of the kind described, a mixing drum having an end opening, a non-rotatable screw shaft supported by the drum and extending axially through its end opening, a closure for said opening having an axial opening therein, a nut on the shaft for opening and closing the closure, the said nut having a part movably extending through the opening of the closure, means on the nut for preventing the detachment of the nut from the closure, and resilient means adapted to be compressed when the nut is manipulated to close the closure, the said resilient means being so constituted and arranged as to exert a yieldable pressure on the closure after the latter is closed.

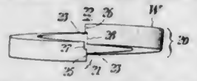
2,184,252

SPRING LOCK WASHER AND THE LIKE

George B. Garrett, West Dettford Township, Gloucester County, N. J., and William H. Thornton, Philadelphia, Pa., assignors to George K. Garrett Company, Inc., Philadelphia, Pa., a corporation of Delaware

Application December 8, 1937, Serial No. 178,630

3 Claims. (Cl. 151—36)



1. A lock washer comprising a helical segment substantially 360 degrees in total circumferential extent and having a pitch approximating the axial dimension of the washer stock, the end faces of said segment at the periphery of the washer reciprocally interlapping, so as to prevent entanglement of the washers when pushed edgewise against one another in the same plane, and being substantially entirely defined by surfaces extending substantially in the direction of the axis of the washer, so that the corners at opposite faces of the washer are too blunt-angled to draw soft in tempering, said end faces also being slightly offset or joggled circumferentially of the washer and crosswise of its axis, at its periphery, substantially in reciprocal correspondence to one another, so that even in cases where the offsets overlap circumferentially of the washer and crosswise of its axis, the latter can still flatten fully under compression, but the circumferential extent of the offsets being so slight as not substantially to affect the flow of heat in said ends in tempering.

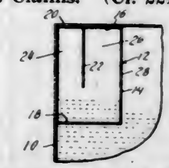
2,184,253

DISPENSER

William Kappenberg, Queens Village, N. Y., assignor to Coffee Products Corporation, New York, N. Y., a corporation of New York

Application October 29, 1937, Serial No. 171,635

2 Claims. (Cl. 221—98)



1. A dispensing device adapted to dispense liquids or pourable solids in predetermined portions comprising a chamber adapted to be fastened within a container, a longitudinal partition in the upper portion of said chamber dividing said upper portion into two compartments, the sides of said partition abutting the side wall of said chamber, the side wall of said chamber having an opening therein providing communication between the interior of the container to which the device is attached and one of said compartments, said partition extending below said opening, and said opening being substantially midway between the top and bottom of said chamber.

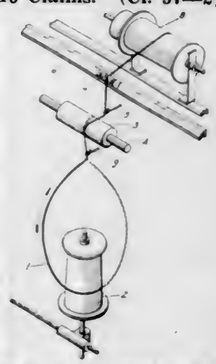
2,184,254

METHOD AND APPARATUS FOR THE PRODUCTION OF BROKEN FILAMENT YARN

Frederick William Koster, Meadville, Pa., assignor to American Viscose Corporation, Marcus Hook, Pa., a corporation of Delaware

Application March 21, 1939, Serial No. 263,223

16 Claims. (Cl. 57—2)



1. An apparatus for producing broken fila-

ment yarn comprising a revolvable abrasive roller, means for directing a traveling yarn onto the roller and means for withdrawing the yarn from the roller in a lateral direction extending at an angle to the path of travel of the yarn on the roller.

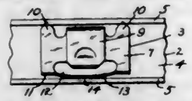
2,184,255

MOLDING AND LIKE FASTENER AND INSTALLATION THEREOF

Joseph Kral, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application March 3, 1937, Serial No. 128,772

5 Claims. (Cl. 24—73)



5. A fastener member having a body portion, a pair of attaching portions extending from one end of said body portion in substantially the plane thereof, said body having a laterally-projecting bulge between said attaching portions and adjacent an end of said body, a spring arm extending from the free edge of said bulge, said arm having a portion disposed on one side of said body and adapted to cooperate with said body for securing said member to a support, an integral flange extending from the opposite end of said body from that having said attaching portions in a plane substantially perpendicular to the plane of said body, said flange being joined to said body at its opposed ends and spaced from said body intermediate its ends whereby a portion of said flange is yieldable relative to said attaching portions and an integral lug extending from the yieldable portion of said flange, said attaching portions and said lug adapted to be sprung into engagement with a cooperating socket device.

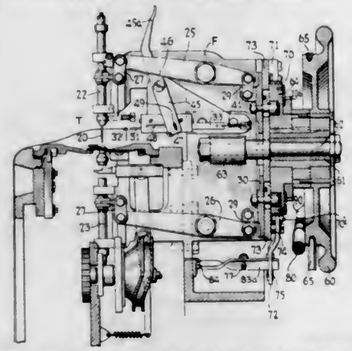
2,184,256

TIE STITCHING MACHINE

Rudolf Naftali, Valentine Naftali, and Henry Naftali, New York, N. Y., assignors to American Machine & Foundry Company, a corporation of New Jersey

Application March 11, 1937, Serial No. 130,252

6 Claims. (Cl. 112—171)



5. In a sewing machine of the character described, in combination, a double pointed needle having an eye located between the points, a fixedly mounted needle threading device, a needle bar, means for inserting said needle in said needle bar, said needle bar comprising means for automatically clutching and unclutching said needle and rigid stop means carried by said needle bar for protectively limiting the insertion of said needle into said needle bar to a predetermined constant depth, said predetermined depth being such that the eye of the needle will be in alignment for effective cooperation with said needle threading device, said last named means comprising a member rigidly attached to the wall of said needle bar for integral movement therewith, said rigidly attached member being unaffected by the action of said clutching and unclutching means.

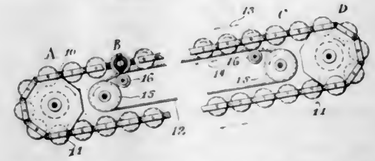
2,184,257

PROCESS FOR MANUFACTURING CHILLED HOLLOW BALLS

Shinsaku Nakagawa, Sapporo, Japan, assignor to Toyo Tokushu Imono Kabushiki Kaisha, Shimura, Itabashiku, Tokyo, Japan, a corporation of Japan

Application May 12, 1938, Serial No. 207,580

1 Claim. (Cl. 22—200)



A process for manufacturing chilled hollow balls by centrifugal force, comprising pouring molten metal into a spherical inner room of a metal mould which consists of two halves pivotally jointed with each other and provided with cavities to form said room, tap and tap hole or holes, blockading the tap hole or holes of said mould with the portion of said molten metal cooled down therein, and solidifying the molten metal in the mould while rotating said mould rapidly about an axis, so that the content in the mould is changed into a surface-chilled ball having a hollow portion therein.

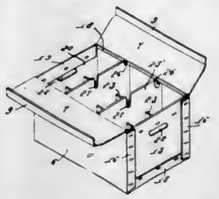
2,184,258

SHIPPING CONTAINER

Orva O. Nickerson, Fort Wayne, Ind., assignor to Fort Wayne Corrugated Paper Co., Fort Wayne, Ind., a corporation of Indiana

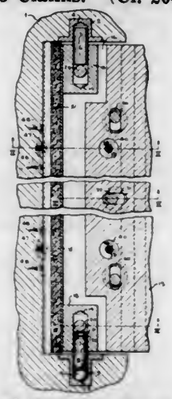
Application February 12, 1938, Serial No. 190,200

5 Claims. (Cl. 229—23)



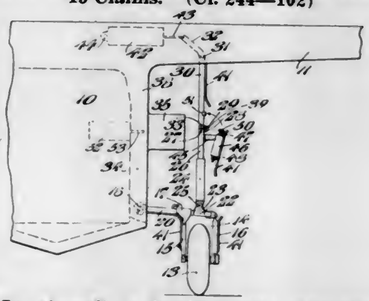
1. A shipping container formed of fiber board having end panels provided with hand holes, a reenforcing rod conforming to the shape of the container extending around the top edge thereof on the side, and the end panels having a portion folded down from the top edge thereof over the end portions of said frame and to a point immediately above the top edge of a hand hole and stitched in its folded position to the end panel by a plurality of stitches above the top edge of the hand hole opening.

2,184,259
DOOR
David J. Seaman, Battle Creek, Mich., assignor to Simon D. Cohen, Marquette, Mich., and Maurice L. Seaman, Battle Creek, Mich.
Application December 18, 1936, Serial No. 116,504
Renewed May 11, 1939
18 Claims. (Cl. 20—16)



1. A device of the character described comprising a door member, means supporting said member for pivotal movement, a door body, camming means to adjust said door body with respect to said member, means on said camming means to lock the same in adjusted position, and additional means to lock said door body in adjusted position with respect to said door member.

2,184,260
LINKAGE SYSTEM
Wilson L. Sutton, Bristol, Pa., assignor to Fleetwings, Inc., Bristol, Pa., a corporation of Delaware
Application April 15, 1938, Serial No. 202,168
15 Claims. (Cl. 244—102)



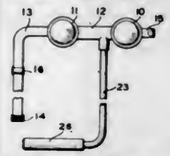
1. In aircraft, a landing gear comprising a lever having and swinging in a predetermined arc about a substantially fixed pivot, a link substantially arcuately guided at one end and pivoted at the other to the lever and arranged for movement with the lever from a position of substantially vertical alignment with the lever through an acute angular relation thereto to a second position of greater angular divergence than said acute relation, a landing wheel operatively retractible and extensible with said link as it is substantially arcuately guided, and means wholly carried by the linkage comprised of the lever and link effective to urge the lever and link from their most acute angular relationship toward their ultimate greater angular divergence.

2,184,261
STRETCHABLE LEATHER SHOE
Alfred Vamos, Brooklyn, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 14, 1938, Serial No. 234,862
3 Claims. (Cl. 36—51)



1. A shoe of the type described having the upper thereof formed in part of ordinary shoe upper leather and in part of an elastic plied material at the instep, said plied material consisting of an outer sheet of durable leather having a smooth unwrinkled surface and a substantial and easy stretch and being provided with an elastic backing sheet adhesively secured thereto and coextensive therewith so that both sheets are free from stress in the relaxed plied material, and arranged to provide the shoe with an elastic area of said material at the instep that is capable of stretching and contracting with the longitudinal foot movement and of giving good wear in the shoe.

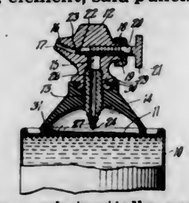
2,184,262
TRANSMITTER HEAD SET
Albert E. Woodruff, Oak Park, and Albert F. Horlacher, Chicago, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 3, 1937, Serial No. 162,252
4 Claims. (Cl. 179—157)



1. A microphone supporting assembly comprising, in combination, a microphone cell including a base having a depression and a restricted connecting opening provided therein, a member constructed of flexible resilient material and including an enlarged end and a connecting link, the enlarged end of said member being arranged in the depression provided in the base of said cell and the adjacent portion of the connecting link of said member being arranged in the restricted connecting opening provided in the base of said cell, a cover plate adapted to seat on the base of said cell and to cover the enlarged end of said member, means for securing said plate to the base of said cell, thereby to anchor the enlarged end of said member securely in place in the depression provided in the base of said cell, and means including said member for supporting said cell against the body of a wearer.

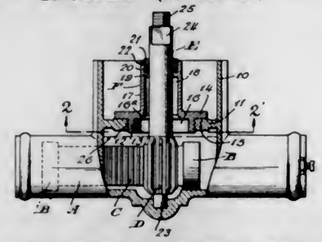
2,184,263
RECEPTACLE TAP
Solomon Adler, Kew Gardens, N. Y., assignor to Solomon Adler, Ben B. Rose, Will N. Clurman, and Albert W. Clurman
Application March 4, 1938, Serial No. 193,906
1 Claim. (Cl. 221—23)

A receptacle tap comprising in combination a body portion having a threaded tapering punch protruding therefrom, and a hollow protector carried by the body portion and flaring around the punching element, said punching element and



protector being substantially axially concentric, said punch having a point at its lower end positioned above a plane of the lower edge of the protector.

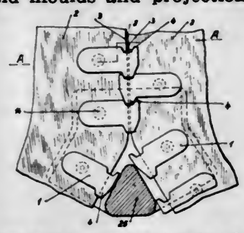
2,184,264
DOOR CLOSING AND CHECKING DEVICE
Wallace F. Moore, Fitchburg, Mass.
Application August 1, 1938, Serial No. 222,427
14 Claims. (Cl. 16—51)



1. In a door closing or checking device of the character set forth having a substantially vertical shaft extending upwardly from the cylinder thereof, a bearing sleeve or housing for said shaft having an interior annular expansion chamber with a lower compartment of lesser height and an upper compartment or greater height, both compartments affording continuous passageways of cross-sectional area throughout the same greater than capillary size and also greater than the maximum bubble size resulting from frothing or foaming of the liquid under agitation.

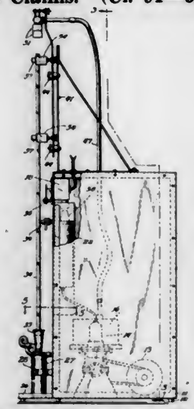
2,184,265
APPARATUS FOR THE MANUFACTURE OF SLIDING CLASP FASTENERS
Martin Winterhalter, Morcote-Castello, near Lugano, Switzerland
Original application August 8, 1936, Serial No. 98,308. Divided and this application June 9, 1937, Serial No. 147,314. In Switzerland September 19, 1935
8 Claims. (Cl. 18—42)

1. Apparatus for the manufacture of sliding clasp fasteners having interlocking members moulded directly to the stringers, including a two-part mould-box, said mould-box having therein a recess for the reception of a stringer, a casting channel for the moulding material, and a plurality of moulds corresponding to the dimensions of the interlocking members to be produced; a plurality of projections carried by said mould-box and serving for the production of the coupling recesses, said moulds and projections being ar-



ranged exclusively in one part only of said mould-box and said stringer-recess extending into the range of said projections; and means for forming a rivet-like connection between the moulded interlocking members and the stringers.

2,184,266
APPARATUS FOR COATING TUBES WITH LUMINESCENT MATERIALS
Wyman D. Norgard, Davenport, Iowa, assignor to General Luminescent Corporation, Chicago, Ill., a corporation of Illinois
Application March 28, 1939, Serial No. 264,670
5 Claims. (Cl. 91—55)

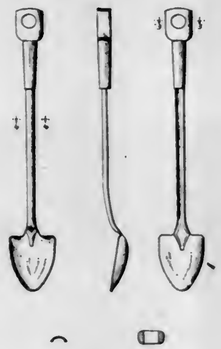


1. In a unitary apparatus of the class described, a frame, a reservoir adapted to contain a supply of coating material in liquid form, means for releasably supporting a tube in vertical position on said frame with its inside surface in communication with the liquid in said reservoir, means for applying air pressure to the top of the liquid in the reservoir to cause the same to rise in said tube while said tube is supported on said frame, means for releasing said pressure whereby to permit said liquid to flow by gravity back into said reservoir, and means for passing air through said tube after the coating liquid has been applied thereto and while supporting the tube upon said frame.

DESIGNS

DECEMBER 19, 1939

118,108
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Milton Bernstein, Brooklyn, N. Y., assignor, by mesne assignments, to National Silver Company, New York, N. Y., a corporation of New York
Application October 30, 1939, Serial No. 87,926
Term of patent 14 years



The ornamental design for a spoon or similar article, as shown.

118,109
DESIGN FOR A FIREMAN'S SAFETY COAT OR SIMILAR ARTICLE
Harry J. Callahan, Detroit, Mich.
Application October 25, 1939, Serial No. 87,858
Term of patent 7 years



The ornamental design for a fireman's safety coat or similar article, as shown and described.

118,110
DESIGN FOR A DRAWER HANDLE OR SIMILAR ARTICLE
Einar W. Dahlgren, Sycamore, Ill.
Application August 29, 1939, Serial No. 86,933
Term of patent 3½ years



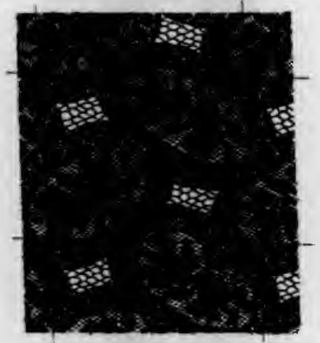
The ornamental design for a drawer handle or similar article, as shown and described.

118,111
DESIGN FOR A TIE RACK
Charles Eric Daniels, Los Angeles, Calif.
Application April 15, 1939, Serial No. 84,313
Term of patent 7 years



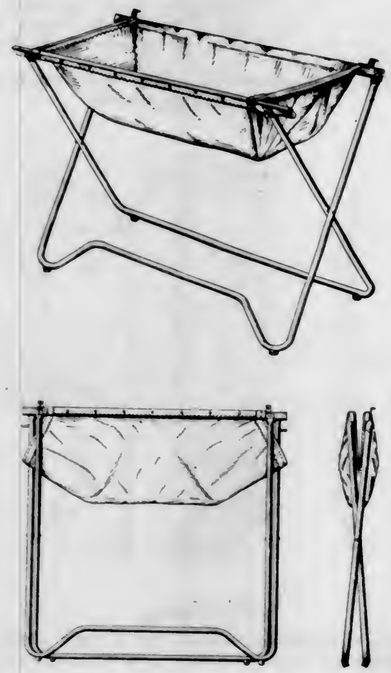
The ornamental design for a tie rack, as shown.

118,112
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application November 1, 1939, Serial No. 87,980
Term of patent 3½ years

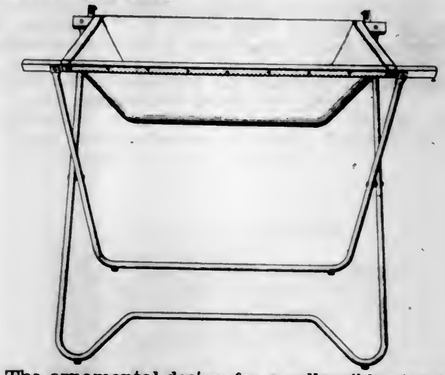


The ornamental design for a lace, substantially as shown and described.

118,113
DESIGN FOR A COLLAPSIBLE STAND-SUPPORTED BATH
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application January 20, 1939, Serial No. 82,458
Term of patent 7 years

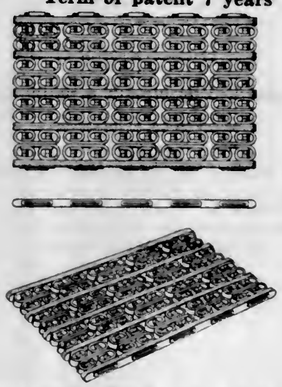


118,113—Continued



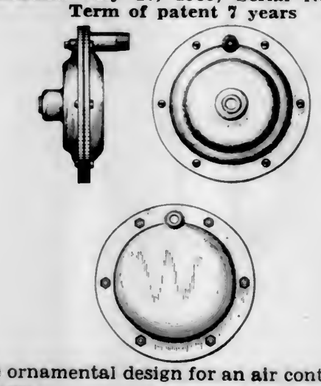
The ornamental design for a collapsible stand-supported bath, as shown and described.

118,114
DESIGN FOR A MAT
Sebastian Frye, Janesville, Wis.
Application October 2, 1939, Serial No. 87,481
Term of patent 7 years



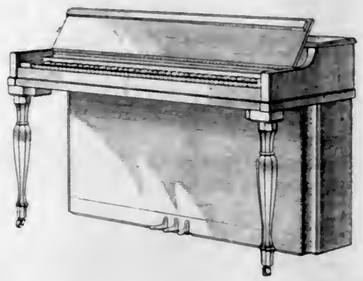
The ornamental design for a mat, as shown.

118,115
DESIGN FOR AN AIR CONTROL PUMP
Milford W. Hartmann, Hutchinson, Kans.
Application July 17, 1939, Serial No. 86,053
Term of patent 7 years



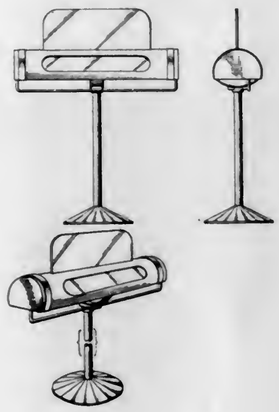
The ornamental design for an air control pump, as shown.

118,116
DESIGN FOR A PIANO
Henry R. Heller, New York, N. Y., assignor to Winter & Co., New York, N. Y., a corporation of New York
Application February 19, 1938, Serial No. 75,287
Term of patent 3½ years



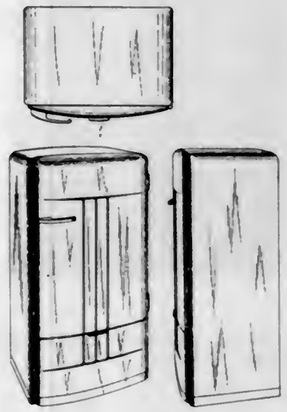
The ornamental design for a piano, as shown.

118,117
DESIGN FOR A MERCHANDISE DISPLAY RACK
Melvin C. Houle, Chicago, Ill.
Application August 28, 1939, Serial No. 86,914
Term of patent 7 years



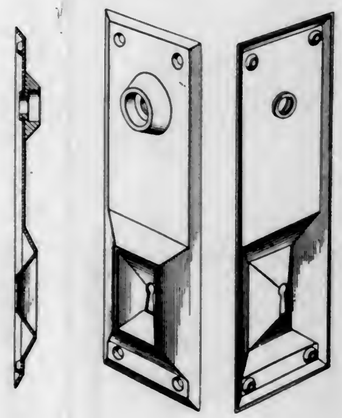
The ornamental design for a merchandise display rack, substantially as shown and described.

118,118
DESIGN FOR A REFRIGERATOR CABINET
Richard B. Janes, Detroit, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan
Application September 14, 1939, Serial No. 87,224
Term of patent 7 years



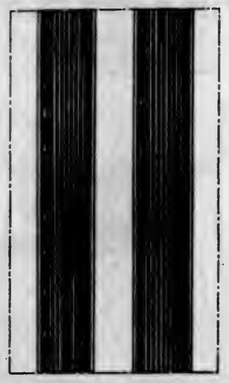
The ornamental design for a refrigerator cabinet, as shown.

118,119
DESIGN FOR A DOOR PLATE
Lester C. Jones, Corsicana, Tex., assignor of twenty five per cent to Ernest M. Jones, and twenty five per cent to Almon J. Bedford, Hobbs, N. Mex.
Application September 28, 1939, Serial No. 87,413
Term of patent 7 years



The ornamental design for a door plate, as shown.

118,120
DESIGN FOR A TUCKED TEXTILE FABRIC
Michael B. Kaplan, New York, N. Y.
Application November 7, 1939, Serial No. 88,100
Term of patent 3½ years



The ornamental design for a tucked textile fabric, substantially as shown.

118,121
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application November 4, 1939, Serial No. 88,043
Term of patent 7 years



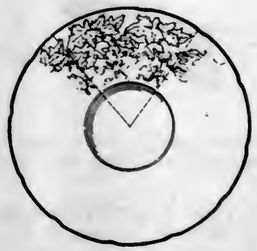
The ornamental design for a clip or similar article, as shown.

118,122
DESIGN FOR A PENDANT
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application November 4, 1939, Serial No. 88,044
Term of patent 7 years



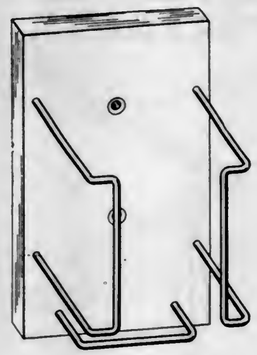
The ornamental design for a pendant, as shown.

118,123
DESIGN FOR A SAUCER OR SIMILAR ARTICLE
Alfred Langford, Hanford, Stoke-on-Trent, England, assignor to The Coalport China Company (John Rose & Co.) Limited, Stoke-on-Trent, England
Application June 5, 1939, Serial No. 85,348. In Great Britain March 21, 1939. Term of patent 14 years



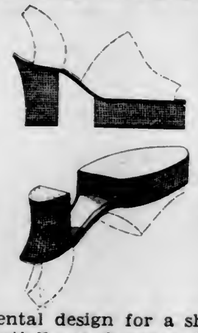
The ornamental design for a saucer or similar article, as shown and described.

118,124
DESIGN FOR A HOLDER FOR A SALT BLOCK
Malcolm F. MacLean, Swampscott, Mass., assignor to International Salt Co., Inc., Scranton, Pa., a corporation of New York
Application December 13, 1938, Serial No. 81,758
Term of patent 14 years



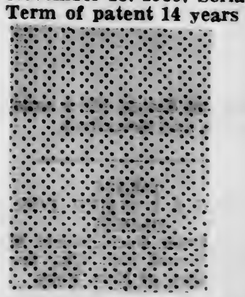
The ornamental design for a holder for a salt block, substantially as shown.

118,125
DESIGN FOR A SHOE OR SIMILAR ARTICLE
John C. Marks, New York, N. Y.
Application November 6, 1939, Serial No. 88,059
Term of patent 3½ years



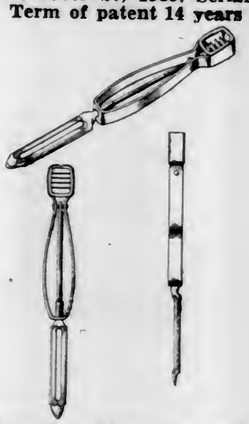
The ornamental design for a shoe or similar article, substantially as shown and described.

118,126
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application November 13, 1939, Serial No. 88,209
Term of patent 14 years



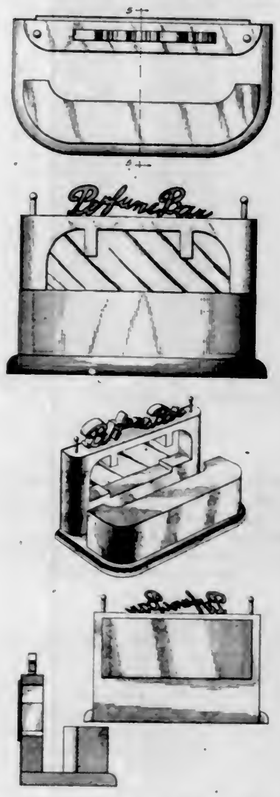
The ornamental design for a knitted fabric, substantially as shown.

118,127
DESIGN FOR A COMBINATION KITCHEN TOOL
James A. Murdock, Chicago, Ill.
Application October 27, 1939, Serial No. 87,894
Term of patent 14 years



The ornamental design for a combination kitchen tool, as shown.

118,128
DESIGN FOR A DISPLAY STAND FOR PERFUME OR THE LIKE
Arthur A. Nudell, Chicago, Ill.
Application July 14, 1939, Serial No. 86,016
Term of patent 3½ years



The ornamental design for a display stand for perfume or the like, as shown.

118,129
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Charles E. Pauzat, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application October 28, 1939, Serial No. 87,912
Term of patent 7 years



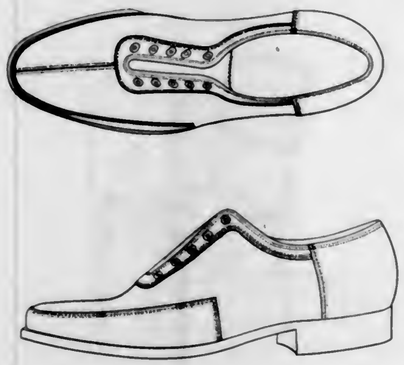
The ornamental design for a brooch or similar article, as shown.

118,130
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Charles E. Pauzat, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application October 28, 1939, Serial No. 87,913
Term of patent 7 years



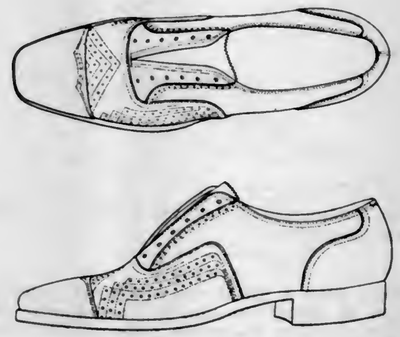
The ornamental design for a brooch or similar article, as shown.

118,131
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Oswald M. Pick, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1939, Serial No. 87,929
Term of patent 3½ years



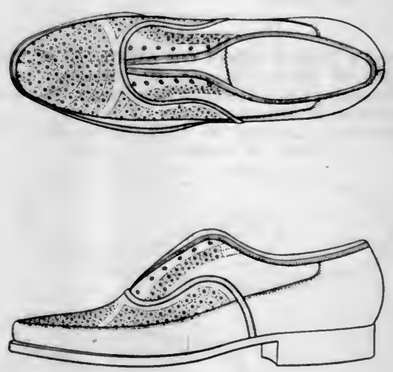
The ornamental design for a shoe or similar article, as shown.

118,132
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Oswald M. Pick, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1939, Serial No. 87,930
Term of patent 3½ years



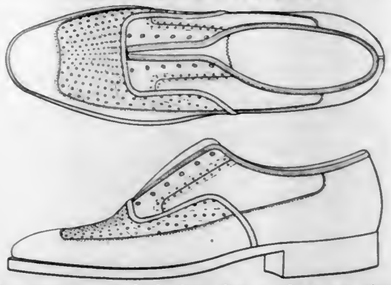
The ornamental design for a shoe or similar article, as shown.

118,133
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Oswald M. Pick, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1939, Serial No. 87,931
Term of patent 3½ years



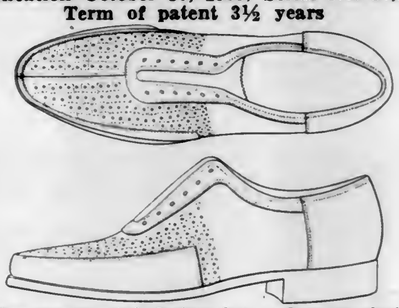
The ornamental design for a shoe or similar article, as shown.

118,134
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Oswald M. Pick, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1939, Serial No. 87,932
Term of patent 3½ years



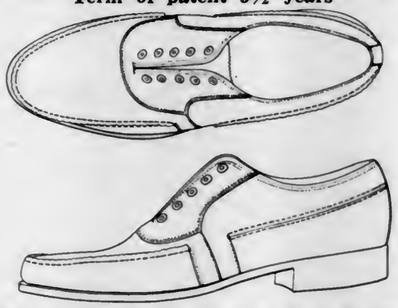
The ornamental design for a shoe or similar article, as shown.

118,135
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Oswald M. Pick, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1939, Serial No. 87,934
Term of patent 3½ years



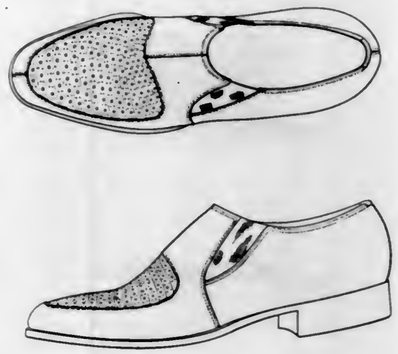
The ornamental design for a shoe or similar article, as shown.

118,136
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Oswald M. Pick, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1939, Serial No. 87,935
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown.

118,137
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Oswald M. Pick, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1939, Serial No. 87,936
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown.

118,138
DESIGN FOR A CHAIR
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application February 13, 1939, Serial No. 82,960
Term of patent 14 years



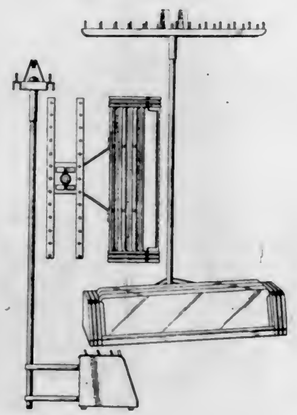
The ornamental design for a chair, as shown.

118,139
DESIGN FOR A DISPLAY STAND
Theodore Rosenak, Fox Point, Wis., assignor to Jos. Schlitz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 16, 1939, Serial No. 87,253
Term of patent 7 years



The ornamental design for a display stand, as shown.

118,140
DESIGN FOR A MERCHANDISE DISPLAY RACK
José Trojan, Chicago, Ill., assignor to Owen Householder and David C. Cohen, copartners, doing business as Crystal Manufacturing Co., Chicago, Ill.
Application July 20, 1939, Serial No. 86,102
Term of patent 3½ years



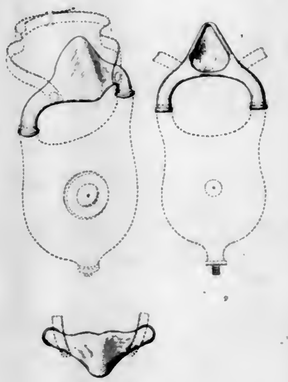
The ornamental design for a merchandise display rack, substantially as shown.

118,141
DESIGN FOR A SHOE
Joseph R. Weyand, St. Louis, Mo.
Application October 25, 1939, Serial No. 87,856
Term of patent 3½ years



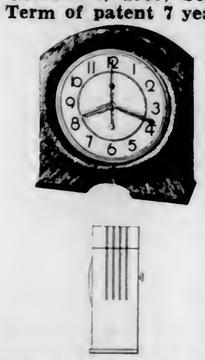
The ornamental design for a shoe, as shown and described.

118,142
DESIGN FOR A NASAL INHALER
Glenn E. Willhelmy, Kansas City, Kans., assignor to Puritan Compressed Gas Corporation, Kansas City, Mo., a corporation of Missouri
Application September 13, 1939, Serial No. 87,190
Term of patent 14 years



The ornamental design for a nasal inhaler, substantially as shown and described.

118,143
DESIGN FOR A CLOCK CASE
Findley Williams, Park Ridge, Ill., assignor to Warren Telechron Company, Ashland, Mass., a corporation of Maine
Application October 7, 1939, Serial No. 87,563
Term of patent 7 years



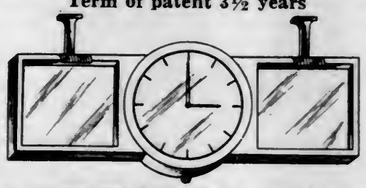
The ornamental design for a clock case, as shown.

118,144
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application November 24, 1939, Serial No. 88,433
Term of patent 3½ years



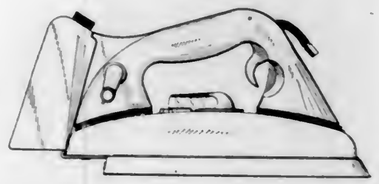
The ornamental design for a coat, substantially as shown.

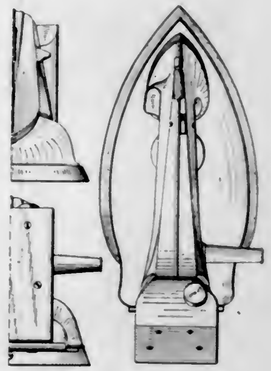
118,145
DESIGN FOR A COMBINED ADVERTISING SIGN AND CLOCK
Solomon H. Shapiro, New York, N. Y.
Application August 11, 1939, Serial No. 86,610
Term of patent 3½ years



The ornamental design for a combined advertising sign and clock, substantially as shown, and described.

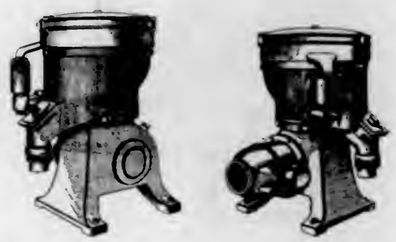
118,146
DESIGN FOR A COMBINATION FLATIRON AND CLOTHES DAMPENER
Patrick J. Fitzgerald, Torrington, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application August 29, 1939, Serial No. 86,926
Term of patent 14 years





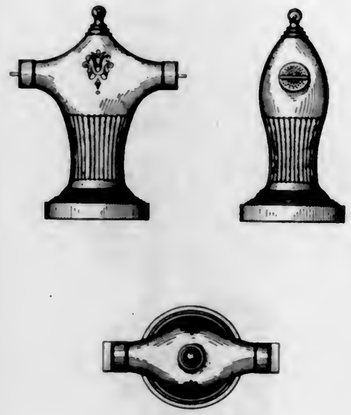
The ornamental design for a combination flatiron and clothes dampener, as shown.

118,147
DESIGN FOR A CENTRIFUGAL SEPARATOR
Leo D. Jones, Philadelphia, Pa.
Application October 17, 1939, Serial No. 87,705
Term of patent 14 years



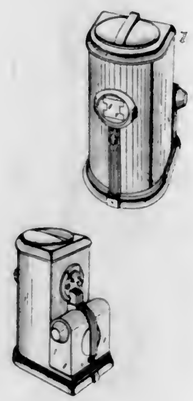
The ornamental design for a centrifugal separator, as shown.

118,148
DESIGN FOR A COMBINATION SALT AND PEPPER SHAKER
Helen S. Broude, Elgin, Ill.
Application October 20, 1939, Serial No. 87,780
Term of patent 14 years



The ornamental design for a combination salt and pepper shaker, as shown.

118,149
DESIGN FOR A COFFEE MILL
Lawrence Blazey, Cleveland, Ohio, assignor to Hussmann-Ligonier Company, St. Louis, Mo., a corporation of Delaware
Application October 27, 1939, Serial No. 87,890
Term of patent 14 years



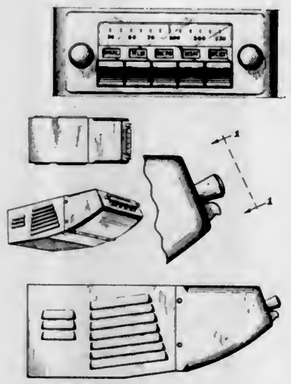
The ornamental design for a coffee mill, as shown and described.

118,150
DESIGN FOR A TEXTILE FABRIC
Adrian Tabin, Chicago, Ill.
Application November 13, 1939, Serial No. 88,217
Term of patent 3½ years



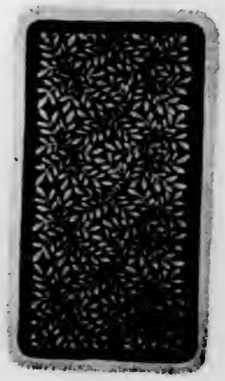
The ornamental design for a textile fabric, as shown.

118,151
DESIGN FOR AN AUTOMOTIVE RADIO SET
George W. Bill, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application January 26, 1939, Serial No. 82,621
Term of patent 7 years



The ornamental design for an automotive radio set, substantially as shown and described.

118,152
DESIGN FOR A RUG
Lucien Biva, Long Island City, N. Y., assignor to William E. Roschen, Spring Lake, N. J., Albert A. Levy, New York, N. Y., and John Hastedt, Jersey City, N. J., as co-executors of the estate of Otto Timme, deceased, doing business as E. F. Timme & Son, New York, N. Y.
Application November 7, 1939, Serial No. 88,112
Term of patent 7 years



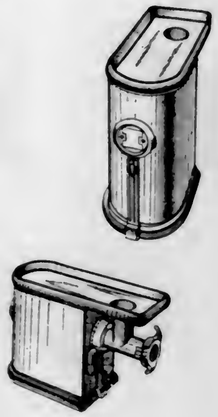
The ornamental design for a rug, as shown.

118,153
DESIGN FOR A RUG
Lucien Biva, Long Island City, N. Y., assignor to William E. Roschen, Spring Lake, N. J., Albert A. Levy, New York, N. Y., and John Hastedt, Jersey City, N. J., as co-executors of the estate of Otto Timme, deceased, doing business as E. F. Timme & Son, New York, N. Y.
Application November 7, 1939, Serial No. 88,113
Term of patent 7 years



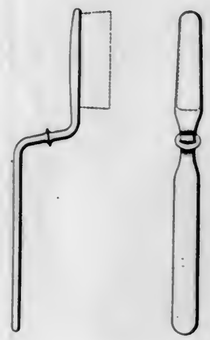
The ornamental design for a rug, as shown.

118,154
DESIGN FOR A MEAT CHOPPER OR THE LIKE
Lawrence Blazey, Cleveland, Ohio, assignor to Hussmann-Ligonier Company, St. Louis, Mo., a corporation of Delaware
Application October 27, 1939, Serial No. 87,891
Term of patent 14 years



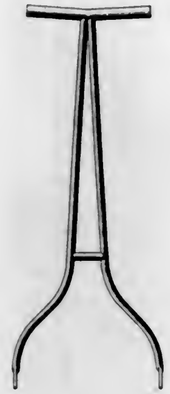
The ornamental design for a meat chopper or the like, as shown and described.

118,155
DESIGN FOR A TOOTH BRUSH
Cyril M. Bosak, Old Forge, Pa.
Application August 31, 1939, Serial No. 86,989
Term of patent 14 years



The ornamental design for a tooth brush, as shown and described.

118,156
DESIGN FOR AN IMPLEMENT HANDLE
Richard W. Canfield, Middletown, N. Y., assignor to Clemson Bros., Inc., Middletown, N. Y., a corporation of New York
Application March 26, 1938, Serial No. 76,111
Term of patent 14 years



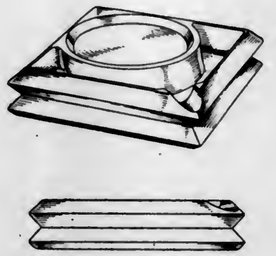
The ornamental design for an implement handle, substantially as shown.

118,157
DESIGN FOR A CLOSURE CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application August 31, 1939, Serial No. 86,987
Term of patent 7 years



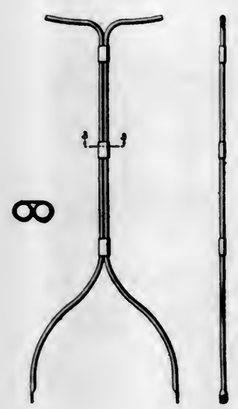
The ornamental design for a closure cap, substantially as shown and described.

118,158
DESIGN FOR A COMBINATION ASHTRAY AND COASTER OR SIMILAR ARTICLE
Henry P. C. Keuls, Pittstown, N. J.
Application October 31, 1939, Serial No. 87,956
Term of patent 7 years



The ornamental design for a combination ashtray and coaster or similar article, substantially as shown.

118,159
DESIGN FOR A LAWN MOWER HANDLE
Marlowe H. Kluter, Richmond, Ind.
Application April 19, 1939, Serial No. 84,390
Term of patent 14 years



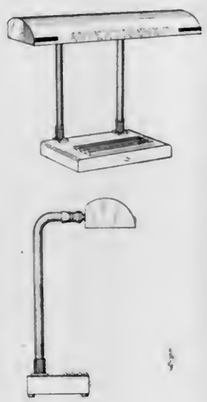
The ornamental design for a lawn mower handle, as shown.

118,160
DESIGN FOR A COMBINED TELESCOPIC RADIO ANTENNA AND MOUNTING
Roman Kopanski, Cleveland, Ohio, assignor to The Ward Products Corporation, Cleveland, Ohio, a corporation of Ohio
Application September 19, 1939, Serial No. 87,279
Term of patent 7 years



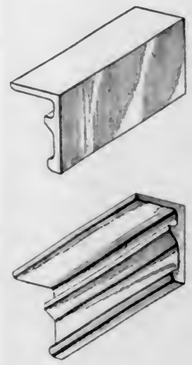
The ornamental design for a combined telescopic radio antenna and mounting, as shown and described.

118,161
DESIGN FOR A COMBINATION DESK LAMP
Arthur W. Krueger, Chicago, Ill., assignor to Stephen Zidek, Riverside, Ill.
Application September 9, 1939, Serial No. 87,105
Term of patent 7 years



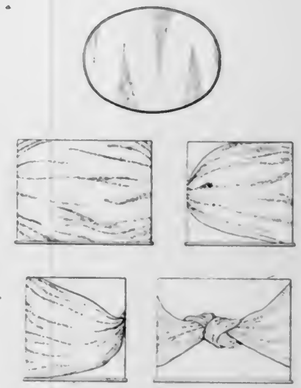
The ornamental design for a combination desk lamp, substantially as shown and described.

118,162
DESIGN FOR A ROLLED METAL BAR
Francis M. Lambert, Narberth, Pa.
Application October 17, 1939, Serial No. 87,704
Term of patent 14 years



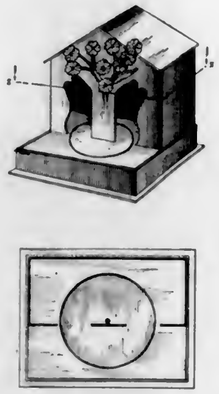
The ornamental design for a rolled metal bar, substantially as shown and described.

118,163
DESIGN FOR A BOX OR SIMILAR ARTICLE
Lucien Lelong, Paris, France, assignor to Lucien LeLong, Inc., Chicago, Ill., a corporation of Illinois
Application September 1, 1939, Serial No. 86,994
Term of patent 14 years



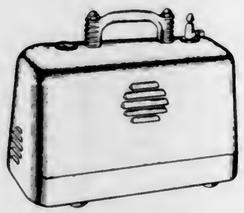
The ornamental design for a box or similar article, as shown.

118,164
DESIGN FOR A COMBINED DISPLAY DEVICE AND MUSIC BOX
Raymond Loewy, New York, N. Y., assignor to Parfums Schiaparelli, Inc., New York, N. Y., a corporation of New York
Application September 1, 1939, Serial No. 86.995
Term of patent 7 years



The ornamental design for a combined display device and music box, as shown.

118,165
DESIGN FOR A PORTABLE AIR COMPRESSOR OR THE LIKE
August J. Lotz and Glenn W. Tammen, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application August 14, 1939, Serial No. 86,661
Term of patent 7 years



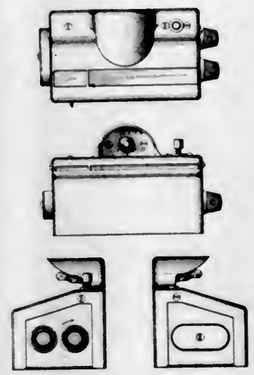
The ornamental design for a portable air compressor or the like, substantially as shown and described.

118,166
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application October 20, 1939, Serial No. 87,748
Term of patent 3½ years



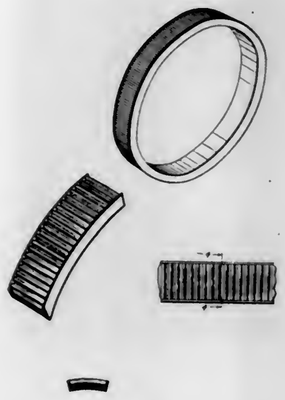
The ornamental design for a textile fabric, substantially as shown and described.

118,167
DESIGN FOR A MEMO-APPARATUS FOR AUTOMOBILES
Judson R. Otter, Piedmont, W. Va.
Application October 26, 1939, Serial No. 87,875
Term of patent 7 years



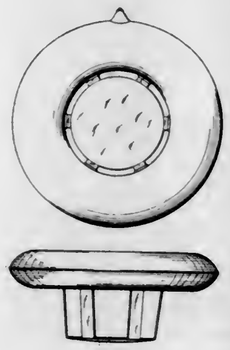
The ornamental design for a memo-apparatus for automobiles, as shown.

118,168
DESIGN FOR A BELT
Ernest Nassimbene, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application August 14, 1939, Serial No. 86,665
Term of patent 14 years



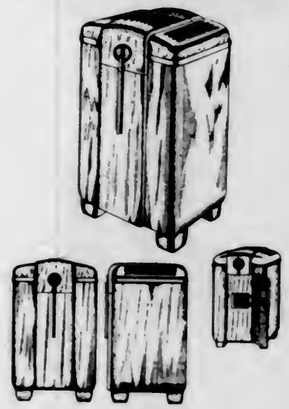
The ornamental design for a belt, as shown and described.

118,169
DESIGN FOR AN INFLATABLE WATER SWING
Betty Ella Prince, Loris, S. C.
Application July 25, 1939, Serial No. 86,237
Term of patent 14 years



The ornamental design for an inflatable water swing, as shown.

118,170
DESIGN FOR A SPACE HEATER
Jean O. Reinecke, Chicago, Ill., assignor to Cole Hot Blast Mfg. Co., Chicago, Ill.
Application October 5, 1937, Serial No. 71,972
Term of patent 7 years



The ornamental design for a space heater, as shown.

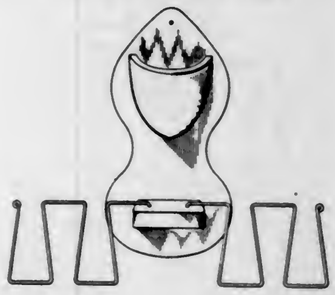
118,171
DESIGN FOR A PRINTING TYPE FONT
Imre Reiner, Lugano, Switzerland
Application September 15, 1939, Serial No. 87,243
Term of patent 7 years

abcdefghijklmnopqrstuvw

xyz

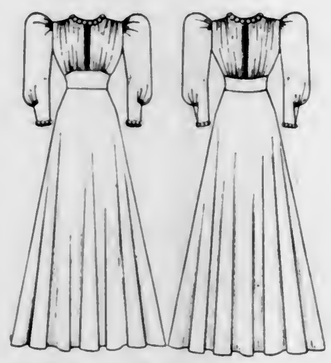
The ornamental design for a printing type font, as shown.

118,172
DESIGN FOR A COMBINED TIE RACK AND TOILET ARTICLE CONTAINER
Joseph Romano, West New York, N. J.
Application October 25, 1939, Serial No. 87,860
Term of patent 14 years



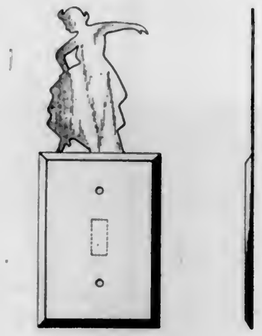
The ornamental design for a combined tie rack and toilet article container, as shown.

118,173
DESIGN FOR A DRESS
Jane Rosener, New York, N. Y.
Application November 14, 1939, Serial No. 88,251
Term of patent 3½ years



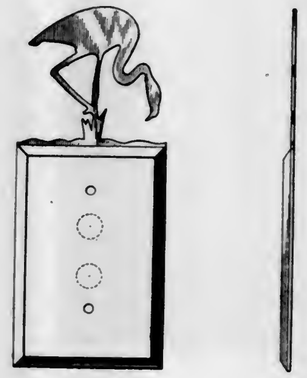
The ornamental design for a dress, substantially as shown and described.

118,174
DESIGN FOR A WALL SWITCH PLATE
Emory A. Seward, Chicago, Ill.
Application October 9, 1939, Serial No. 87,595
Term of patent 7 years



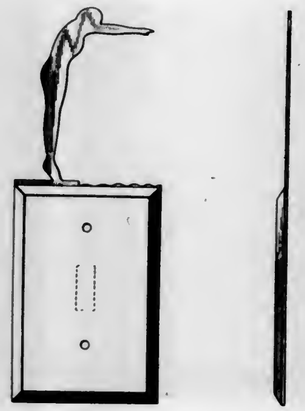
The ornamental design for a wall switch plate, as shown.

118,175
DESIGN FOR A WALL SWITCH PLATE
Emory A. Seward, Chicago, Ill.
Application October 9, 1939, Serial No. 87,597
Term of patent 7 years



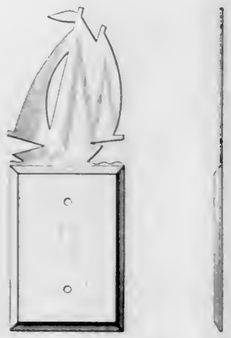
The ornamental design for a wall switch plate, as shown.

118,176
DESIGN FOR A WALL SWITCH PLATE
Emory A. Seward, Chicago, Ill.
Application October 9, 1939, Serial No. 87,598
Term of patent 7 years



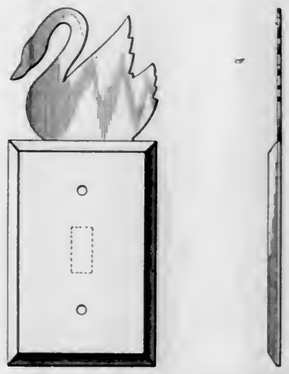
The ornamental design for a wall switch plate, as shown.

118,177
DESIGN FOR A WALL SWITCH PLATE
Emory A. Seward, Chicago, Ill.
Application October 9, 1939, Serial No. 87,599
Term of patent 7 years



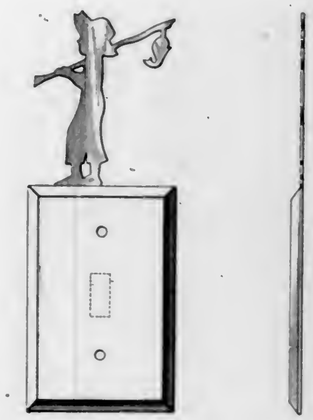
The ornamental design for a wall switch plate, as shown.

118,178
DESIGN FOR A WALL SWITCH PLATE
Emory A. Seward, Chicago, Ill.
Application October 9, 1939, Serial No. 87,601
Term of patent 7 years



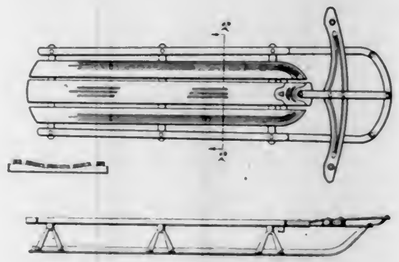
The ornamental design for a wall switch plate, as shown.

118,179
DESIGN FOR A WALL SWITCH PLATE
Emory A. Seward, Chicago, Ill.
Application October 9, 1939, Serial No. 87,606
Term of patent 7 years



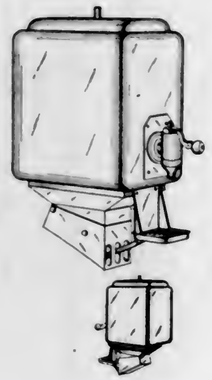
The ornamental design for a wall switch plate, as shown.

118,180
DESIGN FOR A SLED
Walter V. Smith, Hammond, Ind., assignor to Junior Toy Corporation, Hammond, Ind.
Application August 21, 1939, Serial No. 86,809
Term of patent 14 years



The ornamental design for a sled, substantially as shown.

118,181
DESIGN FOR A BEVERAGE DISPENSER
John M. Travis and Charles G. Jackson, St. Louis, Mo., assignors to Multiplex Faucet Company, St. Louis, Mo., a corporation of Missouri
Application May 8, 1939, Serial No. 84,866
Term of patent 7 years



The ornamental design for a beverage dispenser, as shown.

118,182
DESIGN FOR A RUG OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application October 2, 1939, Serial No. 87,478
Term of patent 7 years



118,182—Continued



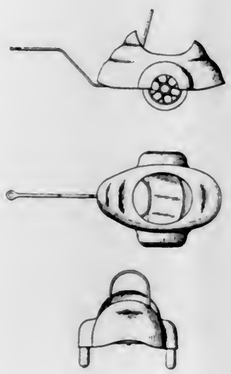
The ornamental design for a rug or similar article, substantially as shown and described.

118,183
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, Cliffside Park, N. J.
Application October 17, 1939, Serial No. 87,706
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

118,184
DESIGN FOR A TRAILER
Michael Antimo Zalimeni, Ashtabula, Ohio
Application September 9, 1939, Serial No. 87,102
Term of patent 14 years



The ornamental design for a trailer, substantially as shown.

118,185
DESIGN FOR A FOLDING CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application July 27, 1939, Serial No. 86,267
Term of patent 14 years



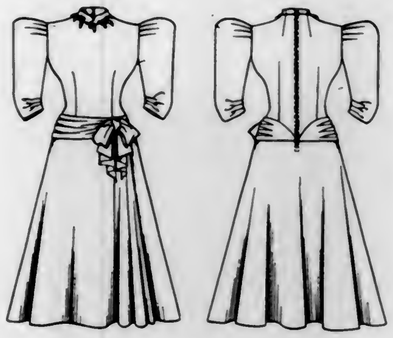
The ornamental design for a folding chair, as shown and described.

118,186
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,970
Term of patent 3½ years



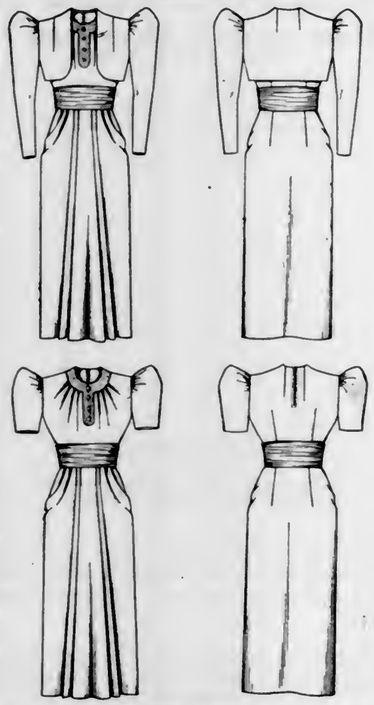
The ornamental design for a dress, substantially as shown.

118,187
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application November 1, 1939, Serial No. 87,972
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,188
DESIGN FOR A DRESS ENSEMBLE
Lilyan Kline, New York, N. Y.
Application November 14, 1939, Serial No. 88,245
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,189
DESIGN FOR A DRESS
William Skolnick, New York, N. Y.
Application November 10, 1939, Serial No. 88,189
Term of patent 3½ years



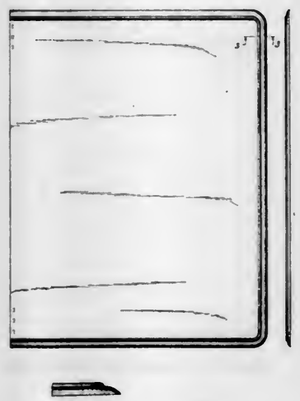
The ornamental design for a dress, substantially as shown and described.

118,190
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Benjamin B. Spatz, New York, N. Y.
Application April 1, 1939, Serial No. 83,973
Term of patent 3½ years



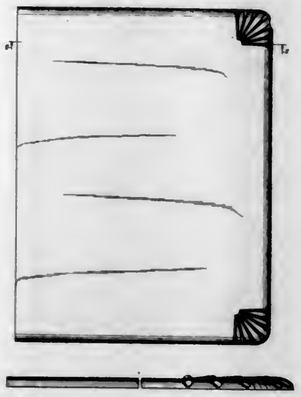
The ornamental design for a textile fabric or similar article, as shown and described.

118,191
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 7, 1939, Serial No. 87,560
Term of patent 14 years



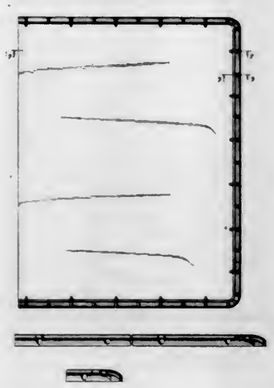
The ornamental design for a book cover or similar article, substantially as shown and described.

118,192
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 87,720
Term of patent 14 years



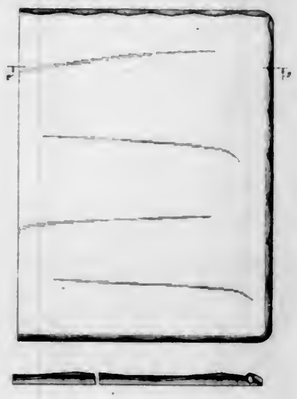
The ornamental design for a book cover or similar article, substantially as shown and described.

118,193
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 87,721
Term of patent 14 years



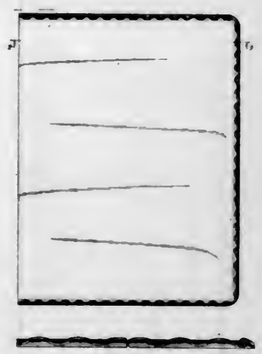
The ornamental design for a book cover or similar article substantially as shown and described.

118,194
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 87,722
Term of patent 14 years



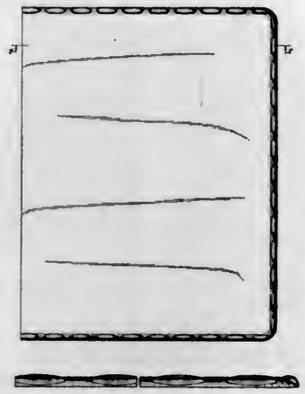
The ornamental design for a book cover or similar article substantially as shown and described.

118,195
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 87,723
Term of patent 14 years



The ornamental design for a book cover or similar article, substantially as shown and described.

118,196
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 87,724
Term of patent 14 years



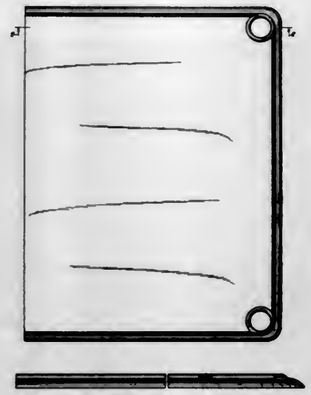
The ornamental design for a book cover or similar article, substantially as shown and described.

118,197
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 87,726
Term of patent 14 years



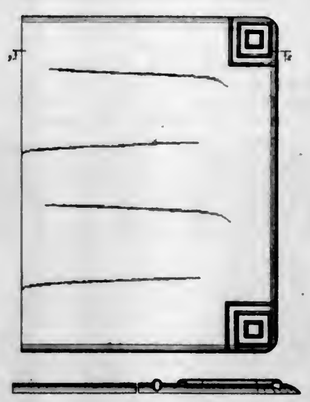
The ornamental design for a book cover or similar article, substantially as shown and described.

118,198
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 87,727
Term of patent 14 years



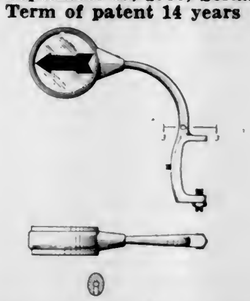
The ornamental design for a book cover or similar article, substantially as shown and described.

118,199
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 87,728
Term of patent 14 years



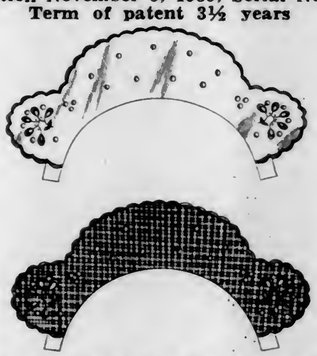
The ornamental design for a book cover or similar article, substantially as shown and described.

118,200
DESIGN FOR A COMBINED SIGNAL LAMP AND BRACKET
Virgil Atwood, Oklahoma City, Okla.
Application September 19, 1938, Serial No. 79,980
Term of patent 14 years



The ornamental design for a combined signal lamp and bracket, as shown and described.

118,201
DESIGN FOR A REVERSIBLE EMBROIDERED COLLAR OR SIMILAR ARTICLE
Harry Bonn, Union City, N. J.
Application November 9, 1939, Serial No. 88,131
Term of patent 3½ years



The ornamental design for a reversible embroidered collar or similar article, substantially as shown.

118,202
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application November 14, 1939, Serial No. 88,246
Term of patent 3½ years



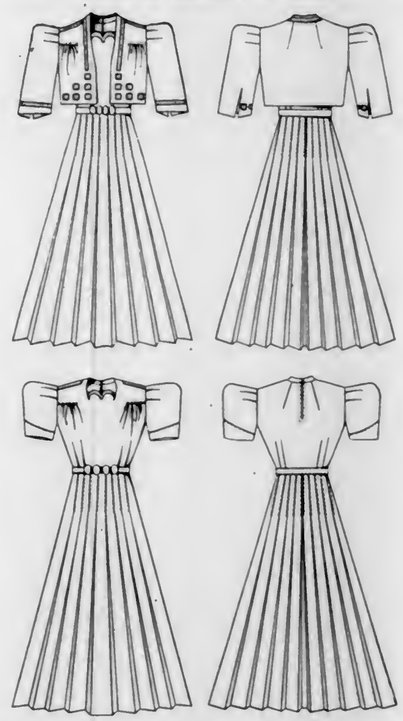
The ornamental design for a dress, substantially as shown.

118,203
DESIGN FOR A DRESS
Samuel S. Berkowitz, New York, N. Y.
Application November 22, 1939, Serial No. 88,399
Term of patent 3½ years



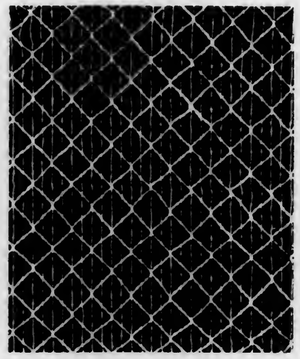
The ornamental design for a dress, substantially as shown.

118,204
DESIGN FOR A DRESS ENSEMBLE
Samuel S. Berkowitz, New York, N. Y.
Application November 22, 1939, Serial No. 88,400
Term of patent 3½ years



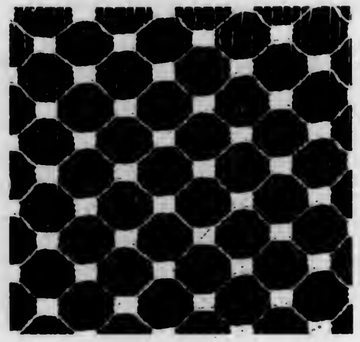
The ornamental design for a dress ensemble, substantially as shown.

118,205
DESIGN FOR TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn., assignors to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application August 10, 1938, Serial No. 79,226
Term of patent 3½ years



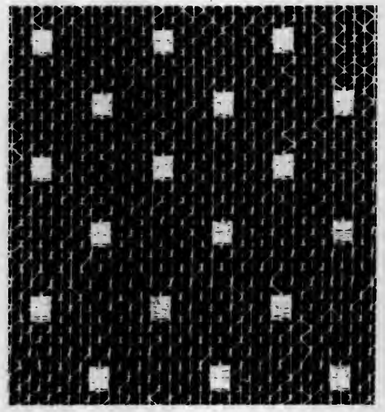
The ornamental design for textile fabric, substantially as shown.

118,206
DESIGN FOR TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn., assignors to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application August 10, 1938, Serial No. 79,229
Term of patent 3½ years



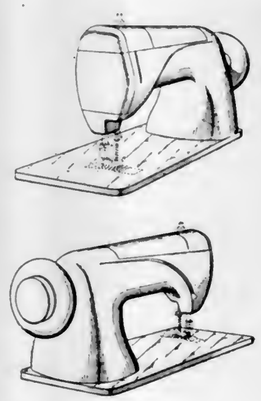
The ornamental design for textile fabric, substantially as shown.

118,207
DESIGN FOR TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn., assignors to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application August 10, 1938, Serial No. 79,231
Term of patent 3½ years

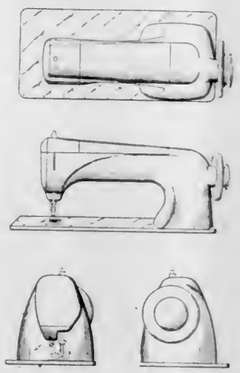


The ornamental design for textile fabric, substantially as shown.

118,208
DESIGN FOR A SEWING MACHINE
Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1939, Serial No. 84,889
Term of patent 14 years



118,208—Continued



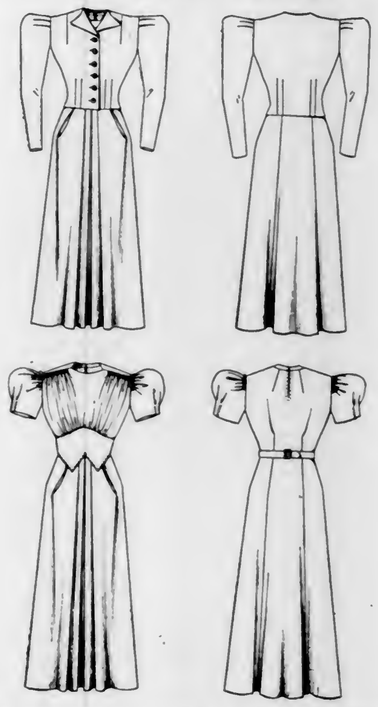
The ornamental design for a sewing machine, as shown.

118,209
DESIGN FOR A DRESS ENSEMBLE
Madeleine Croizat, New York, N. Y.
Application November 22, 1939, Serial No. 88,403
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,210
DESIGN FOR A DRESS ENSEMBLE
Madeleine Croizat, New York, N. Y.
Application November 22, 1939, Serial No. 88,404
Term of patent 3½ years



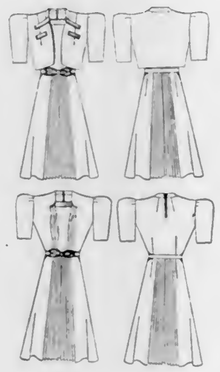
The ornamental design for a dress ensemble, substantially as shown.

118,211
DESIGN FOR A DRESS
Morris Galowitz, New York, N. Y.
Application October 23, 1939, Serial No. 87,806
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,212
DESIGN FOR A DRESS ENSEMBLE
Bertha Geffen, New York, N. Y.
Application November 18, 1939, Serial No. 88,344
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,213
DESIGN FOR A DRESS
Florence Grilli, New York, N. Y.
Application November 18, 1939, Serial No. 88,346
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,214
DESIGN FOR A TEXTILE FABRIC
Benjamin M. Kaufman, New York, N. Y.
Application November 18, 1939, Serial No. 88,351
Term of patent 3½ years



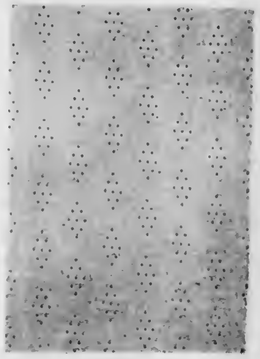
The ornamental design for a textile fabric, substantially as shown.

118,215
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application November 18, 1939, Serial No. 88,348
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,216
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application November 16, 1939, Serial No. 88,312
Term of patent 14 years



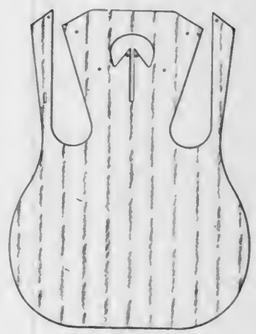
The ornamental design for a knitted fabric, substantially as shown.

118,217
DESIGN FOR A DRESS
Ben Sheer, New York. N. Y.
Application November 14, 1939, Serial No. 88,265
Term of patent 3½ years



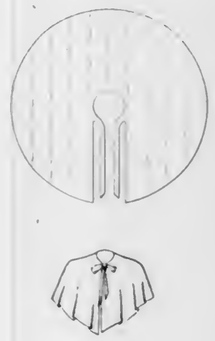
The ornamental design for a dress, substantially as shown.

118,218
DESIGN FOR AN APRON
Abraham N. Spánel, Dover, Del.
Application June 11, 1938, Serial No. 77,775
Term of patent 14 years



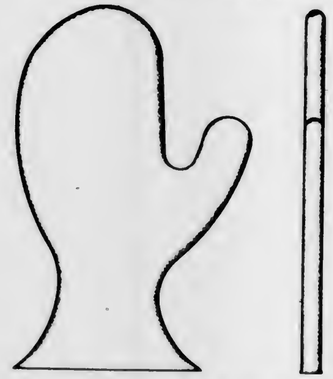
The ornamental design for an apron, substantially as shown and described.

118,219
DESIGN FOR A CAPE
Abraham N. Spánel, Dover, Del.
Application February 24, 1939, Serial No. 83,189
Term of patent 14 years



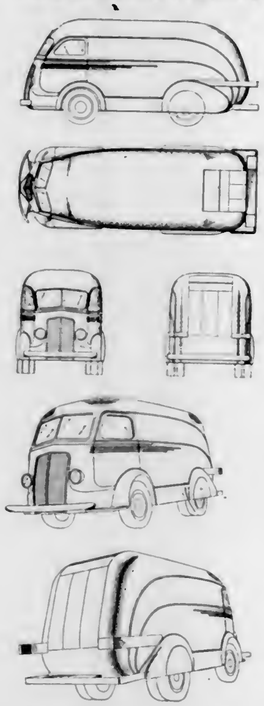
The ornamental design for a cape, substantially as shown and described.

118,220
DESIGN FOR A MITT
Abraham N. Spánel, Dover, Del.
Application March 31, 1939, Serial No. 83,948
Term of patent 14 years



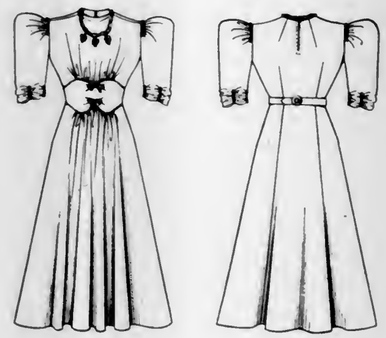
The ornamental design for a mitt, as shown and described.

118,221
DESIGN FOR AN AUTOMOBILE TRUCK
Clifford Brooks Stevens, Milwaukee, Wis.
Application July 14, 1938, Serial No. 78,489
Term of patent 3½ years



The ornamental design for an automobile truck, as shown and described.

118,222
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application November 22, 1939, Serial No. 88,401
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,223
DESIGN FOR A DRESS
Jacob Cohen, New York, N. Y.
Application November 24, 1939, Serial No. 88,432
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,184,267 to 2,185,169

THE

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December 26, 1939

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Plant Patents	1—No.	351	
Patents	903—No.	2,184,267 to No.	2,185,169, inclusive.
Designs	134—No.	118,224 to No.	118,357, inclusive.
Total	1,432		

Drawings

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

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Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)

Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

Original specification. (Facsimile at present time.)

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File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)

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Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Dec. 8, 1939.*

Redondo Packing Corp., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Abe Kanner, Los Angeles, Calif., to effect the cancellation of trade-mark registration No. 160,801, issued October 24, 1922, to Redondo Packing Corp., Eighth and Broadway Streets, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Redondo Packing Corp. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Redondo Packing Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Dec. 8, 1939.*

Bobwhite Chemical Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Anton Sales Company, 51–35 Roosevelt Boulevard, Philadelphia, Pa., to effect the cancellation of trade-mark registration No. 156,190, issued June 20, 1922, to Bobwhite Chemical Corporation, 39 Broadway, New York, N. Y., and a notice of such proceeding sent by registered mail to said Bobwhite Chemical Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Bobwhite Chemical Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business December 9, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,035; Trade-Mark Division, 1,378. Oldest new case, Apr. 26, 1939; oldest amended, Apr. 29, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 10	July 19	591
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Apr. 26	May 9	816
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 11	Oct. 11	358
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 22	July 24	579
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Sept. 14	Sept. 9	452
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	June 22	June 20	944
5725	7. JARBOE, C. G., Optics; Photography	Aug. 2	Aug. 3	948
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 19	June 5	1113
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 15	July 11	701
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Aug. 10	Sept. 5	553
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 22	Aug. 22	460
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	July 1	June 1	498
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 11	July 1	736
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 6	Sept. 27	419
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 17	June 22	1370
5716	16. SPENCER, C. J., Telegraphy; Telephony	July 8	July 9	727
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 10	July 19	714
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 22	July 26	530
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 8	July 19	482
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 25	July 29	392
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 10	Aug. 12	554
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 23	May 25	1055
7624	23. BUTTNER, W. J., Registers (part)	Apr. 26	Apr. 29	316
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 15	May 9	1380
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 14	Aug. 22	605
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	July 13	July 19	549
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	May 27	May 20	1071
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Aug. 3	July 31	449
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 21	June 15	819
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	July 10	July 11	821
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 11	Aug. 11	895
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Sept. 12	Aug. 8	384
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 2	July 25	977
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Sept. 14	Sept. 27	230
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 21	July 18	758
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 19	July 7	627
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 15	July 19	765
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	May 24	May 24	864
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 11	Aug. 5	632
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	May 27	May 27	1973
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	July 18	July 15	257
5882	42. CUTTING, H. O., Electric Signaling	May 22	May 15	701
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 11	Aug. 8	562
4087 B	44. HARVEY, L. P., Refrigeration	July 8	July 10	672
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Aug. 1	Aug. 1	549
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 13	July 19	746
6082	47. LOWE, E. R., Clutches; Brakes	Aug. 10	Aug. 12	577
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 4	Aug. 5	461
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 9	May 27	1020
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 6	July 6	1347
5628	51. BACKUS, C. D., Radiant Energy (part)	Sept. 22	Sept. 20	690
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 26	July 19	693
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 20	July 28	294
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Sept. 7	Sept. 9	349
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	June 22	June 19	481
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 12	June 12	1259
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	July 15	July 21	476
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 21	Aug. 12	439
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	July 17	July 17	870
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 4	Aug. 4	413
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	July 10	July 14	614
5621	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 25	Sept. 23	434
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 9	June 9	1028
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Aug. 25	Aug. 24	683
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 4	July 20	528
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Nov. 2	Nov. 20	1,339
		Dec. 6	Dec. 7	39
2605	Designs: H. H. KALUPY	Nov. 4	Nov. 6	785

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

PADGETT *v.* WARNER

No. 4,060. Decided June 26, 1939

[104 F.(2d) 957]

INTERFERENCE—PRIORITY—RIGHT TO MAKE COUNT.

Record reviewed and *Held* that the senior party W has the right to make the count in issue and that priority was properly awarded to him, the junior party P having alleged no date prior to the filing date of W's application.

APPEAL from Patent Office. Affirmed.

Messrs. Strauch and Hoffman (*Mr. William A. Strauch* and *Mr. James A. Hoffman* of counsel) for Padgett.

Messrs. Harness, Dickey and Pierce (*Mr. Arthur W. Dickey* and *Mr. John A. Blair* of counsel) for Warner.

HATFIELD, *J.:*

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the single count in issue to appellee, Archibald A. Warner.

The invention is for improvements in universal joints, and, as defined in the count in issue, relates to both the "torque ring" type, disclosed in appellee's application, and the "double-Y" type, disclosed by appellant.

The count reads:

1. In a universal joint, the combination of a plurality of relatively movable members including a member having a pair of substantially aligned openings therein and a second member having a pair of trunnions extending outwardly into said openings, bearing cups disposed in said openings around said trunnions and closing said openings outwardly of the trunnions therein, a sleeve of independent needles between each of said cups and trunnions, a channel containing an annular packing surrounding the base of each trunnion, said channel opening toward the adjacent bearing cup, said cups having end portions projecting inwardly from the openings in which said cups are disposed substantially beyond said needles and extending into the channels and engaging said packings, and retaining means providing abutments to retain the same in said openings and maintain the inwardly projecting end portions of the cups against the packings in said channels and with the needles free to move longitudinally in the cups.

The interference is between appellee's application No. 524,446, filed March 23, 1931, and appellant's Patent No. 2,032,497, issued March 3, 1936, on an application, No. 660,594, filed March 13, 1933.

The count originated in appellant's patent where it appears as claim 1. It was copied by appellee on April 15, 1936, for interference purposes.

As the date alleged in appellant's preliminary statement for conception of the involved invention was subsequent to the filing date of appellee's application, appellant was ordered by the Examiner of Interferences to show cause why judgment on the record should not be entered against him. Thereupon, appellant moved to dissolve the interference on the ground that appellee did not have the right to make the claim constituting the count in issue, his contention being that appellee's application did not disclose the following expressly defined structural limitations contained in the count: First,

"a sleeve of independent needles between each of said cups and trunnions",

second,

"cups having end portions projecting inwardly from the openings in which said cups are disposed substantially beyond said needles and extending into the channels and engaging said packings",

and, third,

"retaining means providing abutments to retain the same in said openings and maintain the inwardly projecting end portions of the cups against the packings in said channels and with the needles free to move longitudinally in the cups."

In his decision denying appellant's motion to dissolve the interference, the Primary Examiner fully discussed each of the contentions made by appellant in support of his motion to dissolve.

Appellant having failed to make sufficient showing why judgment on the record should not be entered against him, the Examiner of Interferences awarded priority of the subject matter defined in the count in issue to appellee.

On appeal, the Board of Appeals considered the issues raised by appellant's motion to dissolve, and held that the motion was not well taken. The issues were again discussed by the Board in its decision denying appellant's petition for rehearing.

The sole issue presented by appellant's appeal is whether the Board of Appeals erred in holding that appellee could make the claim constituting the count in issue.

Counsel for appellant contend that the issue count aptly defines appellant's device, and that if the count is construed in the light of appellant's patent where it originated it does not read upon appellee's disclosure.

If the language of the count is ambiguous, it should be interpreted in accordance with the meaning given it in appellant's patent in which the count originated. *Neumair* v. *Malocsay*, 22 C. C. P. A. (Patents) 1349, 77 F.(2d) 622, 461 O. G. 733; *Hausman* v. *Hochman*, 23 C. C. P. A. (Patents) 1162, 83 F.(2d) 703, 472 O. G. 496. If, on the other hand, the language of the count is not ambiguous, it should be given the broadest interpretation which it will reasonably permit, with due consideration being given the expressly defined limitations therein contained. *Egcr* v. *Watson*, (Appeal No. 4129), 26 C. C. P. A. (Patents) —, 104 F.(2d) 953 (decided concurrently herewith), and cases therein cited.

The tribunals of the Patent Office concurred in holding, and we are in agreement therewith, that the language of the count in issue is not ambiguous; that the count is broadly worded and should be broadly construed; and that limitations not found in the count should not be read into it for the purpose of avoiding the interference.

With regard to the issue of whether appellee's application discloses "a sleeve of independent needles

between each of said cups and trunnions," appellant points out that in his disclosure the "needles" are "free of attachment to the cup"; whereas appellee provides a sleeve with an inwardly extending flange which serves to retain the rollers against displacement.

The difficulty with that argument is that the count does not contain the limitation that the needles or rollers are "free of attachment to the cup." It may be observed in this connection that appellant's patent in which the involved count originated contains six claims which contain the limitation that the needles are free of attachment to the cup; whereas the involved count, which is claim 1 of the patent, does not contain any such limitation.

Relative to that issue, the Board of Appeals said:

In both structures the rollers of the bearings are not enclosed in or held in place by a cage as is common in older structures. In both cases the rollers may be said to be independent of each other in that there is no restraining cage. Since these rollers are interposed between the trunnion and the bearing, they bear a certain relation to the bearing in that they are supported thereby, but in other respects they may be regarded as independent since they may have a limited longitudinal movement and are free to roll independent of each of the other elements of the bearing. The party Padgett contends that the count of the interference which was taken from his patent was at one time regarded by the Primary Examiner as not reading on the Warner disclosure and calls attention to arguments presented in the patented file before said count was allowed. There is nothing indefinite or ambiguous about the terms "independent needles" and it is not seen how any argument offered in connection with same can be said to modify the plain and obvious meaning of said terms.

We are in agreement with the views expressed by both the Primary Examiner and the Board of Appeals that appellee's application clearly discloses "a sleeve of independent needles between each of said cups and trunnions", as called for by the count in issue.

The second matter urged upon us is that appellee's application does not disclose "cups having end portions projecting *inwardly from the openings in which said cups are disposed*", etc., as called for by the appealed count. (Italics ours.)

As hereinbefore noted, appellee's device is of the "gimbal ring" or "torque ring" type. The "gimbal ring" in appellee's structure contains the "openings" referred to in the count.

It is conceded by counsel for appellant that the end portions of the cups in appellee's structure contact the packing as required by the terms of the count. Counsel for appellant argue, however, that the end portions of the cups in appellee's structure are overlapped by the gimbal ring sections and that they extend inwardly from the gimbal ring sections, not from the openings therein, and that, as a consequence, as stated in their brief—

the cups can only be removed by separating the torque ring sections.

In view of the fact that in the Padgett arrangement the end portions of the cups do project inwardly from the openings in the yoke arm, it is possible to apply and remove said cups endwise of the walls of said openings and this is very desirable in actual practice.

It is true, as stated by counsel for appellant that in appellee's device the cups are removed by separating the torque ring sections; whereas in appellant's structure the cups may be removed through the openings in the yoke arm. The count in issue, however, is not limited to appellant's type of structure, and the language of the count here under consideration, although aptly defining appellant's structure, was held by the Primary Examiner and the Board of Appeals to be sufficiently broad to read upon appellee's device.

We have given careful consideration to the arguments presented here by counsel for appellant, but are unable to hold that the tribunals of the Patent Office were manifestly wrong in holding that the cups disclosed in appellee's drawings have end portions which project inwardly from the openings in the "gimbal ring" and extend into the channels and engage the packing, as called for by the count in issue.

Counsel for appellant further contend that appellee's application does not disclose—

"retaining means providing abutments to retain the same [the cups] in said openings and maintain the inwardly projecting end portions of the cups against the packings in said channels and with the needles free to move longitudinally in the cups."

Relative to that issue, the Board stated:

In appellant's structure a circumferential groove is provided in the bearing member in which is housed a split ring and this split ring acts as an abutment to prevent outward movement of the cup. Various other means are shown for holding the cup against outward movement and it is obvious that appellant intended this language to read on certain other structures as well as upon the form showing the split ring. In the Warner structure as stated above, a shoulder is provided on the inner portion of the cup wall and this contacts with the gimbal ring to prevent outward movement of the cup. It is obvious that the terms "retaining means providing abutments" is very broad and obviously was intended to cover any means for performing this function. There is no limitation as to where the retaining means is located or the nature of the abutment used. While it is true appellant shows a slightly greater space for endwise movement of the needles than is disclosed in the Warner structure, still it is clearly shown on the drawings of the Warner device that the needles can have an appreciable endwise movement.

Counsel for appellant contend that, although the drawings in appellee's application show a "slight clearance between the roller ends that would apparently permit a slight longitudinal movement of the rollers in the cups", the application makes no reference to such longitudinal movement of the rollers and no function is claimed therefor, and that, therefore, appellee's application does not fairly disclose that functional arrangement as called for by the count in issue.

As appellee's rollers are so arranged that they are free to move longitudinally in the cups, as clearly appears from the drawings in appellee's application, it is immaterial, so far as the issue here is concerned, that no reference was made in appellee's application to such longitudinal movement.

We are of opinion that appellee's application discloses "retaining means providing abutments to retain" the cups in the openings and that appellee's rollers are free to move longitudinally in the cups.

Due to the fact that we are unable to conclude that the tribunals of the Patent Office erred in holding that the count in issue reads upon the disclosure in appellee's application, we deem it unnecessary to extend this opinion by a discussion of other arguments presented in the brief of counsel for appellant.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

EGER *v.* WATSON

No. 4,129. Decided June 26, 1939

[104 F.(2d) 953]

1. INTERFERENCE—INTERPRETATION OF COUNTS.

"It is well settled that in interference proceedings the language of the counts should 'be given the broadest construction or interpretation, as the case may be, as it will reasonably permit,' but that expressly defined limitations contained therein may not be disregarded."

2. SAME—EQUIVALENCY OF STRUCTURES.

"It is also well settled that the question of the equivalency of the structures disclosed by the parties is not involved in an interference proceeding."

3. SAME—PRIORITY—RIGHT TO MAKE COUNT.

Record reviewed and *Held* that the senior party E is not entitled to make the count in issue and that priority was properly awarded to the junior party W.

APPEAL from Patent Office. Affirmed.

Messrs. Gourley and Budlong (*Mr. Elmer Stewart* of counsel) for Eger.

Messrs. Cushman, Darby & Cushman (*Mr. Arlon V. Cushman* and *Mr. Gorham F. Freer* of counsel) for Watson.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of the subject matter defined in the single count in issue to appellee, Frank H. Watson.

The invention relates to a pneumatic tire valve and a stem member having a bore therethrough, a chamber formed intermediate the ends of the bore, the walls of the chamber and bore being yieldable, "a body element axially shiftable relative to said stem including a valve head" of less diameter than the chamber in the bore and of greater diameter than the bore, the valve head being adapted to seal the stem member when forced into the bore and to permit the flow of air through the stem when the valve head is in the chamber, and a cap member secured to the body element and embracing the extended portion of the stem, as called for by the appealed count.

The count in issue reads:

1. In a pneumatic tire valve and stem, a stem member connected with a pneumatic tube including a bore therethrough and a chamber formed intermediate the ends of said bore, the walls of said chamber and bore being yieldable, a body element axially shiftable relative to said stem including a valve head of greater diameter than said bore and less in diameter than said chamber, said valve head adapted to seal said stem member when forced into said bore and permit flow of air through said valve stem when in said chamber, and a cap member secured to said body element and embracing the extended portion of said stem.

The interference is between appellant's application, No. 635,209, filed September 28, 1932, and appellee's application, No. 664,394, filed April 4, 1933.

Appellee is the junior party, and the burden was upon him to establish priority of invention by a preponderance of the evidence.

It appears from the record that no motion to dissolve the interference on the ground that appellant was not entitled to make the count in issue was filed by appellee. However, it appears from the decision of the Examiner of Interferences that on the hearing before him appellee Watson urged that the disclosure in appellant's application was not sufficient to support the count in issue. The Examiner stated in his decision that as appellee failed to raise that issue by a motion to dissolve the interference during the motion period, he was not entitled to raise that question. The Examiner stated in his decision, however, that—

there is authority to the effect that in a clear case the Examiner of Interferences may on his own motion consider the right of a party to make the counts at final hearing and render an award of priority on the basis of his consideration (*Smith* v. *Foley* v. *Anderson* v. *Smith*, 136 O. G. 847; 1908 C. D. 210). In this interference it so clearly appears that Eger's disclosure does not support the count that this procedure will be adopted.

In holding that appellant Eger could not make the count in issue, the Examiner of Interferences said:

The deficiencies of Eger's disclosure with respect to the count are two in number. One of these is that his application does not show or set forth "a cap member secured to said body element". If, as Eger states in his application and brief, the member 4 shown in Fig. 2 of his drawing is a cap member, and it is thought that broadly it is entitled to that designation, then it is not shown "secured" to the body element 15. "Secured" means fastened and the body element 15 is not shown or described as being able to be made fast to the cap 4. In the Watson disclosure there is shown a threaded connection between the body element and the cap but the body element 15 of the Eger device is at all times not fastened but is yieldingly positioned by means of a spring in suspended relation with respect to a member 9 which is in turn threaded to the cap member 4.

The other deficiency is in respect to a "chamber" required by the count as being "formed intermediate the ends of said bore". Due to the terms of the count otherwise it follows that the chamber referred to must of necessity be of a larger diameter than the bore, a condition not subscribed to in the Eger device. According to the terms of the count the "stem member" includes "a bore therethrough and a chamber formed intermediate the ends of said bore" and from this it follows that the chamber should be able to be distinguished from the bore. The count further requires "a body element * * * including a valve head of greater diameter than said bore and less in diameter than said chamber" and it follows from this limitation that the chamber is distinguishable from the bore at least by the fact of its having a greater diameter than the bore. Eger's disclosure shows a bore 14 but no chamber distinguishable from it. All elements of the count must be regarded as material and Eger's application is thus clearly lacking in disclosure of two material elements. Because of this state of circumstances priority will be awarded the party Watson.

The Examiner further stated in his decision that as the appellate tribunals might take a different view as to appellant Eger's right to make the count (appellant having submitted no evidence, relying upon the filing date of his application for conception and constructive reduction to practice), he would consider the evidence submitted by appellee Watson. Considering the evidence of appellee Watson in the light of his views as to the proper construction to be given the language of the count, the Examiner of Interferences held that appellee had failed to establish conception of the invention prior to appellant's filing date.

On appeal by appellant, the Board of Appeals disagreed with the Examiner's views regarding the proper construction to be placed upon the language of the count in issue, and held that appellant was entitled to make the count. In so holding, the Board said:

It is his [the Examiner of Interferences] view that the cap member is not secured to the body element of the valve. In the Watson device the cap is connected by screw threads with the body element, but in the Eger construc-

tion the body element is prevented from escaping from the cap by the intermediate agency of a spring and a spring seat. We are of the opinion that these intermediate elements may be regarded as acting to secure the two parts together. The fact that there is some play between these parts we do not regard as material.

The Examiner has also held that Eger does not show a chamber formed intermediate the ends of the bore in the stem member. *The Eger drawing does not show any reduction in the size of the bore as it approaches the tire tube in the manner disclosed by Watson and we can agree with the Examiner that when the language of this portion of the count is given the usual meaning it does not appear to read upon the Eger structure.* We find, however, that the count specifies in effect that the valve head seals the stem when it is forced into the bore and permits the flow of air when in the chamber. If this language is to be given the usual meaning, this portion of the count is confusing as the introductory portion would indicate that the entire opening through the stem is to be regarded as the bore and, therefore, that the valve head must always be in the bore. In view of this inconsistency in the count, we believe that it is necessary to construe it in such a manner as to give it a reasonable meaning at least when applied to the disclosure of the party Watson. We think that the reasonable interpretation is that *the bore contains a constriction which is smaller than the valve head against which the head is forced to prevent air flow and that the bore adjacent this constriction is sufficiently large so as to form a chamber or passageway through which flow may occur when the head is moved away from the constriction into it.* When the count is construed in this manner, we believe that it reads upon the Eger construction. We recognize that usually limitations should not be read into a claim or the language construed as different from its ordinary meaning but in an interference proceeding where a count is found to be inaccurate, it is believed that it is sometimes advisable to construe it in the light of the disclosures of the parties. *This does not mean, however, that it is necessary for the Examiner to allow the claim to issue in its objectionable form.* [Italics ours.]

The Board then considered the evidence submitted by appellee Watson, evidently in the light of the construction it had placed upon the language of the count, and held that appellee had established conception of the invention defined by the count in the late summer of 1932, about a month prior to the filing (September 28, 1932) of appellant's application: that appellee was diligent at the time appellant entered the field, and thereafter until he reduced the invention to practice on or about October 27, 1932; and, accordingly, awarded priority of invention to appellee.

The authority of the Examiner of Interferences and the Board of Appeals to consider the right of appellant to make the claim constituting the count in issue (appellee having failed to raise that issue by a motion to dissolve the interference), is not challenged here by counsel for appellant, and, for the purpose of this decision, we assume, without deciding, that those tribunals had such authority.

It clearly appears from appellant's application that the bore in his device—

"is of the same diameter,"

as stated in the brief of counsel for appellant,

"from the valve seat to the inner end of the stem in place of being formed of two different portions, one of which is of sufficient diameter to accommodate the valve head and the other of which is of lesser diameter".

In other words it is conceded, as indeed it must be, that appellant's application does not disclose—

"a chamber formed intermediate the ends of said bore,"

as called for in the appealed count. That being so, it is obvious that appellant does not disclose a valve head—

"of greater diameter than said bore and less in diameter than said chamber".

It will be observed that the Board of Appeals stated in its decision that appellant's disclosure did not show a chamber in the bore, as called for in the appealed count, if the language of the count be given its ordinary meaning. The Board was of opinion, however, that, if given its ordinary meaning, the language of the count is confusing and ambiguous, and that it should be construed, therefore, as though it read—

"the bore contains a constriction which is smaller than the valve head against which the head is forced to prevent air flow and that the bore adjacent this constriction is sufficiently large so as to form a chamber or passageway through which flow may occur when the head is moved away from the constriction into it,"

and held that, as thus construed, the count read upon the disclosure in appellant's application.

Counsel for appellant do not contend here that appellant's application discloses a chamber—

"intermediate the ends of"

the "bore". They do contend, however, as stated in their brief,

"that even though Eger's disclosure does not literally show a bore through the valve stem with a 'chamber' intermediate the ends of the bore, since Eger's bore is of constant diameter, • • • such fact is immaterial insofar as the inventive subject matter of the count is concerned. Since Eger's bore 14 is of such diameter as to operatively accommodate the valve head 16, *his disclosure is equivalent to the immaterial limitation of the count, wherein a 'chamber' intermediate the ends of the bore is called for".*

[Italics not quoted.]

The Board also concluded, as will be observed from the quoted excerpt from its decision, that, although the cap member in appellant's device is not directly attached to the "body element", the latter "is prevented from escaping from the cap by the intermediate agency of a spring and a spring seat", and that the intermediate elements (the spring and spring seat) "may be regarded as acting to secure" the cap member to the body element, and, accordingly, held that the language in the last clause of the count read on appellant's device.

It is clear from an examination of appellee's application that the count reads literally on his disclosure, and it is only when an attempt is made to read it upon appellant's disclosure that we are confronted with the confusion and ambiguity mentioned in the Board's decision.

[1] [2] The record does not disclose in whose application the count originated. It is conceded, however, that it did not originate in either of the involved applications. As originally declared, the interference was between four parties. Two of those parties were subsequently eliminated, and it may be, although the record does not so state, that the count originated in the application of one of those parties. But however that may be, it is well settled that in interference proceedings the language of the counts should "be given the broadest construction or interpretation, as the case may be, as it will reasonably permit", but that expressly defined limitations contained therein may not be disregarded. *Donald W. Slattery* v. *Chester W. Larner*, 17 C. C. P. A. (Patents) 725, 36 F.(2d) 298, 393 O. G. 249; *In re Joseph Bijur*, 17 C. C. P. A. (Patents) 1134, 40 F.(2d) 999, 398 O. G. 355; *Henry P. Field* v. *Audley Hart Stow*, 18 C. C. P. A. (Patents) 1502, 49 F.(2d) 1072, 413 O. G. 283; *Ernest J. Sweetland* v. *Don Cole*, 19 C. C. P. A. (Patents) 751, 53 F.(2d) 709, 415 O. G. 4; *Garrett G. Mudd* v. *Otto A. Schoen*, 19 C. C. P. A. (Patents) 840, 54 F.(2d) 959, 417 O. G. 847; *Atherton* v. *Payne*, 19 C. C. P. A. (Patents) 867, 54 F.(2d) 821, 418 O. G. 818; *Caleb S. Bragg* v. *William J. Besler*, 19 C. C. P. A. (Patents) 1084, 56 F.(2d) 881, 420 O. G. 572; *In re Albert Charles Fischer*, 19 C. C. P. A. (Patents) 1231, 58 F.(2d) 1058, 423 O. G. 931; *In re Replogle*, 21 C. C. P. A. (Patents) 1068, 70 F.(2d) 375, 447 O. G. 221; *In re Beach*, 21 C. C. P. A. (Patents) 1130, 70 F.(2d) 916, 447 O. G. 764; *In re Key*, 22 C. C. P. A. (Patents) 1098, 76 F.(2d) 398, 459 O. G. 5; *Bard* v. *Flodin*, 23 C. C. P. A. (Patents) 1045, 82 F.(2d) 424, 470 O. G. 721; *Bryson* v. *Clarke*, 25 C. C. P. A. (Patents) 719, 92 F.(2d) 720, 490 O. G. 5. It is also well settled that the question of the equivalency of the structures disclosed by the parties is not involved in an interference proceeding. *In re Key*, supra; *Bryson* v. *Clarke*, supra.

[3] It may be, as held by the Board of Appeals, that, giving the language of the last clause in the appealed count a broad interpretation, the cap member in appellant's device may be said to be secured to the "body element." It is evident, however, that appellant's application does not disclose "a chamber formed intermediate the ends" of the bore through the stem member, and a "valve head of greater diameter than said bore and less in diameter than said chamber", as called for by the appealed count. Appellant, therefore, is not entitled to make the claim constituting the count in issue.

Due to the fact that we hold that appellant is not entitled to make the claim constituting the count in issue, other issues presented by counsel for the parties need not be considered. Accordingly, although we disagree with the views expressed by the Board of Appeals as to the right of appellant to make the claim constituting the count in issue, we are in accord with the conclusion reached by it, and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

STANSBURY *v.* MEYER AND SPANNER

No. 4,148. Decided June 26, 1939

Petition for Rehearing Denied October 2, 1939

[104 F.(2d) 796]

INTERFERENCE—PRIORITY—RIGHT TO MAKE COUNTS.

Record reviewed and *Held* that the senior party Meyer and Spanner has the right to make the counts and that priority was properly awarded to the senior party, the junior party Stansbury being under order to show cause why judgment upon the record should not be entered against him.

APPEAL from Patent Office. Affirmed.

Mr. Frank H. Hubbard (*Mr. J. E. Hutchinson, Jr.* and *Mr. William C. Lyon* of counsel) for Stansbury.

Mr. Clifton V. Edwards and *Mr. John B. Brady* for Meyer and Spanner.

GARRETT, *P. J.:*

This is an interference proceeding declared in the United States Patent Office between a patent, No. 2,002,281, issued to appellant May 21, 1935, on an application filed May 24, 1930, and a joint application of appellees filed January 17, 1928. Two counts, defining an electronic current regulator, are involved. They read:

1. In combination, an alternating current supply, a circuit supplied thereby, an electron tube continuously regulating the effective current of said circuit and having a control electrode, and a regulable asymmetrically conducting energy storage circuit connected to said supply and to said control electrode.

2. In combination, an alternating current supply, a circuit to be supplied thereby, an electron tube continuously regulating the effective current of said circuit and having a control electrode, a regulable asymmetrically conducting energy storage circuit connected to said control electrode and means to supply a charging current to said storage circuit during alternate half cycles of the alternating current.

The counts originated in the patent, being copied into the application along with fourteen others on June 11, 1935, and the interference was declared as to all the counts so copied. Appellant was placed under order to show cause why judgment upon the record should not be entered against him and responded with a motion to dissolve, alleging, among other things, that the application of appellees failed to disclose the subject matter of the counts. The Primary Examiner sustained the motion and an interlocutory appeal was taken by Meyer and Spanner to the Board of Appeals, which affirmed the decision of the Examiner as to fourteen counts, but reversed as to the counts (then numbered 8 and 9, corresponding to claims 7 and 8 of the patent) here involved. The Examiner of Interferences then entered judgment pro forma as to the two counts remaining in the case which were renumbered 1 and 2, respectively, awarding priority thereon to appellees. Stansbury appealed to the Board and the Board affirmed the judgment entered by the Examiner of Interferences. Stansbury filed two successive petitions for rehearing, both of which the Board denied, and the instant appeal to this court followed.

In the brief on behalf of appellant it is said:

• • • the question of priority here presented narrows down to the question of support of the counts by appellees' application.

The situation confronting the court is one in which there was disagreement between the Primary Examiner and the Board of Appeals concerning a matter technical in character. As has been stated, there was agreement between those tribunals respecting fourteen counts. We deduce from their respective opinions that all of the counts as to which they agreed required what is described as "transient" voltage, that is that the voltage impressed on the electrode be transient as distinguished from a steady voltage, and they held that appellees failed to disclose means for transient voltage. Both tribunals agreed, however, as to the involved counts, that they, as expressed by the Examiner, "do not call for application of transient potentials on the control electrode."

In the final analysis there seems to be only one point of difference between the Patent Office tribunals respecting the involved counts, and that relates to the construction of the limitation applying to the electron tube, expressed in the clause (appearing in both counts) "continuously regulating the effective current of said [load] circuit." This limitation ap-

parently was expressed in some of the counts not at issue here, probably in somewhat different phraseology, and was referred to by the Examiner at different places in his decision. His statement made concerning it in connection with the involved counts reads:

> It has not been demonstrated, nor does the Meyer et al. application disclose, that the control electrodes therein illustrated and described effect current regulation, let alone regulation of the effective current.

Discussing this point in its decision rendered on the interlocutory appeal, the Board of Appeals, referring to the application of appellees, said:

> Obviously, the electron tube RT continuously regulates the effect of the current and has a control electrode * * *.

The same point was again discussed by the Board in its decision rendered on the appeal from the Examiner of Interferences, awarding priority, where it was said:

> We believe the tube RT of the Meyer and Spanner application obviously regulates to some extent at least the effective current of said circuit as stated in count 1. The appellees adjust their arrangement to produce a constant predetermined effect and this is properly regulation. The word regulate is given a broad definition in the dictionary and as there defined it refers properly to the adjustment described by Meyer and Spanner.

The matter was again alluded to in the Board's statement accompanying its denial of appellant's first petition for reconsideration when it was said:

> Appellant points out that Meyer and Spanner do not definitely assert in their application the regulation of the effective current even "to some extent at least" and he apparently objects to the interpretation of the meaning of the word "regulate" by means of the dictionary. It is insisted that the regulation referred to in the counts is a regulation as "a function of the energy stored in the energy storing means."
>
> As indicated in our decision, Meyer and Spanner show the apparatus of the counts and we have clearly indicated, we believe, why we consider the subject matter of the counts disclosed by Meyer and Spanner.

The arguments of appellant respecting this, the only material point upon which the tribunals of the Patent Office disagreed, have been carefully considered in the light of the illustrative matter furnished and commented upon in the briefs. We see no reason for disagreement with the Board's construction of the limitation.

Another matter raised in the brief for appellant relates to the feature of regulable energy storage. The tribunals of the Patent Office were in agreement that this feature was disclosed by appellees and both gave specific attention to it. The statement of the Examiner is:

> It appears from a study of Fig. 2 of the Meyer et al. disclosure that, since R_1 should properly be considered a part of the "energy storage circuit", this circuit is "regulable", in the sense of adjustable, by presence of the adjustable resistor R_1. Insofar as R_1 is adjustable, it is analogous to resistors 7 and 27 employed in the Stansbury patent.

Since the matter here discussed (aside from the construction of the counts) involves only technical factual questions in which there is no present public interest of any peculiar character, and since they are well understood by the parties litigant, it is not deemed of importance to reproduce illustrations, nor is it regarded necessary further to analyze the arguments made.

Upon the material points we agree with the decision of the Board of Appeals and the same is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WAITE

No. 4,169. Decided June 26, 1939

Petition for Rehearing Denied October 2, 1939

[104 F.(2d) 804]

PATENTABILITY—PARACHUTE APPARATUS.

Certain claims for parachute apparatus *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Royal R. Rommel for Waite.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner denying the patentability, in view of prior art cited, of twelve claims in an application owned by Irving Air Chute Company, Incorporated, relating to parachute apparatus. Seven claims stand allowed. The appealed claims are numbered 11, 12, 28, 33, 34, 37, 38, 41, 43, 45, 47, and 49. Some other claims were rejected but not appealed.

The brief for appellant describes the apparatus broadly as follows:

> It includes a parachute chair with which is cooperatively associated a parachute pack and a body attaching harness in such relationship that the pack and harness are maintained on the chair in safe and orderly arrangement whereby an inexperienced person, in case the emergency should arise, may with facility apply the harness and pack in a few seconds of elapsed time.

Appellant separates the appealed claims into four groups, and quotes as typical one claim of each group, italicizing the limitations upon which reliance is placed.

Group 1:

> 34. A parachute aircraft chair comprising a seat, a back rest, and parachute *harness receiving pockets unitarily connected as part of said chair at the sides of the seat and at the top of the back rest and separate from any part of the apparatus which is attached to the wearer during a parachute jump.*

Group 2:

> 11. In parachute apparatus the combination of an aviator's chair including seat and back rest, a parachute pack on the chair, harness connected with the parachute pack, and *resiliently restricted side pockets releasably securing the harness in position upon the chair for quick attachment upon the wearer.*

Group 3:

> 33. In parachute apparatus the combination of an aircraft chair having a seat and a back rest, *the back rest* at the top thereof supporting *a downwardly opening pocket hood* thereon, a pack supported upon the chair, harness connected therewith and a back pad, *the upper portions of the harness and the back pad being releasably socketed in the pocket provided by said hood with portions of the harness exposed to permit the wearer to apply the harness without assistance.*

Group 4:

> 38. In parachute apparatus a chair having a seat and back rest, a parachute harness including a supporting sling extending across the chair seat and side riser portions extending upwardly along the sides of the chair and resting against the back of the chair, other body attaching straps secured to the sling adjacent to the seat of the chair, *pocketing means at the sides of the chair for releasably securing said other attaching straps in a secured and definite relation,* other body attaching straps attached to the upper ends of the riser portions of the sling, and *a top pocketing hood on the back of the chair for releasably secreting and securing the upper portions of the riser straps and the last mentioned other body attaching straps.*

The references relied on are: Trevitt, 137,738, April 8, 1873; Coughlin, 1,444,369, February 6, 1923; Smith, 1,784,996, December 16, 1930; Campbell et al., 1,899,668, February 28, 1933; Switlik, 1,964,864, July 3, 1934; French patent, 590,457, March 18, 1925.

Inasmuch as appellant does not seriously challenge the disclosures for which the references were cited, it is not thought necessary to repeat such disclosures in detail. They are detailed in the statement of the Examiner, and, in part, in the decision of the Board, which epitomized appellant's contention in the following statement:

> Appellant relies for patentability on the provision of pockets on portions of the chair in which sections of the harness can be readily concealed and yet removed when desired to attach the parachute to the occupant of the chair as well as a pocket at the top of the seat back.

In its decision the Board made no specific reference to any of the rejected claims by number, but contented itself with rather general statements.

Claim 34 of group 1 (Nos. 34 and 43) was rejected by the Examiner on the French patent in connection with the patent to Trevitt. The French patent shows the combination of a chair and a parachute pocketed in the chair for the use of aircraft passengers. The patent to Trevitt shows side pockets in a combined cabinet chair and secretary. It was held that there would be no invention in applying such side pockets to the French chair, and held also that it would not be inventive to add a pocket at the top of the back rest in view of the showing of a recess in the back of the French chair "fitted to receive, folded in an appropriate manner, a parachute." Claim 43 of this group requires resilient retaining means for holding the harness on the chair. It was rejected upon the patent to Smith which discloses retaining means of a resilient character intended to hold the upholstery on the chair.

It is insisted by appellant that the resilient means of Smith consists of steel rip cord cables and that they are not in any sense resilient within the meaning of claim 43. We do not agree with this contention, and as for the fact that the cables hold the upholstery and not the harness, it is noted that the harness of the Smith patent is attached to the upholstery. It is not thought that the modification of appellant involved invention. Claim 43 was further rejected by the Examiner upon the French patent in view of the patent to Coughlin, and we find no specific discussion of this by appellant.

The claims of group 2 (Nos. 11 and 37) were rejected by the Examiner on the French patent alone and also on the French patent in view of Trevitt. Claim 11 was further rejected on either Campbell et al. or Switlik in view of Trevitt, and claim 37 on Campbell et al. in view of Trevitt. Campbell et al. and Switlik show a pack and harness, and it was the view of the Examiner that a new invention would not be produced if a person wearing such packs should sit in the Trevitt chair, unfasten the snaps shown by both patents and stuff the loose ends of the harness in the chair pockets.

It is urged by appellant that the pockets of the Trevitt chair are on the outside of rigid arm rests which are too high to permit any part of the harness to be stuffed in the pockets without entire modification of the arm rests and placement of the pockets at the inside of the arms instead of at the outside. This may be true but we fail to discern any invention in such modification. In view of the art cited, we fail to see where it would involve invention to equip the chair, shown for example in the patent to Campbell et al., with proper side pockets.

A feature of claim 11 stressed by appellant is that of resiliently restricted side pockets. That feature seemingly appeared in rejected claim 16 which was not appealed to this court, and was discussed by the Examiner in connection with it. He held, we think correctly, that there was no invention in this feature, the pockets being similar "to the well-known automobile side door pockets."

It is deemed unnecessary to deal specifically with each of the claims (28, 33, 41, 45, and 49) of group 3, since appellant takes 33 as typical of the entire group. This claim was rejected by the Examiner "as being for an old combination of chair with parachute apparatus" such as that disclosed in the French patent. The Board expressed the belief that there was no necessity of referring to the French patent in this connection because of the disclosure in the patent to Smith of "a seat recessed to provide a space for the parachute pack, as disclosed in the French patent, which is equivalent broadly to a pocket."

The principal argument of appellant respecting this group of claims seems to be that it involved invention to provide a downwardly opening pocket hood on the back rest, in which portions of the parachute harness may be concealed. It may be conceded that no art is cited in which a parachute chair is shown equipped in this manner but downward opening pockets certainly are common to many arts, the automobile one mentioned by the Examiner being an example, and we are unable to discern anything inventive in combining one with appellant's chair.

The fourth group embraces claims 12, 38, and 47. The limitations relied upon are italicized in claim 38, supra. It was rejected by the Examiner upon the same grounds as claim 33, supra, and appellant's arguments respecting it are much the same as those made concerning group 3. These arguments have received our careful consideration but we are unable to concur in them.

The record contains an affidavit of the applicant who, according to the affidavit, is president of the Irving Air Chute Company, Incorporated, which, it may be said, is the owner of the Campbell et al. patent cited as a reference, and appellant's 21st reason of appeal makes reference to the affidavit as evidence of "the importance which the present invention has contributed in the art relating to aviation." The brief of appellant alludes to the affidavit

as showing that Irving Air Chute Company, Incorporated, has factories in the United States and eight foreign countries and also as showing that the equipment of the present application has been extensively used throughout the United States and foreign countries, having been installed in various aircraft.

We find nothing in the affidavit which would justify a holding that the rejected claims are patentable. Whatever of commercial success has been attained may have been due to invention involved in the allowed claims. If it were due to matters involved in the rejected claims, however, that, of itself, is not a sufficient reason upon which to base a holding of invention.

It is urged by appellant that the patent to Trevitt is very old, it having been issued in 1873. It is not thought that its age renders it improper as a reference for the purpose cited, if indeed any reference respecting pockets be necessary in view of their common use.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE IRVIN

No. 4,170. Decided June 26, 1939

[104 F.(2d) 807]

PATENTABILITY—PARACHUTE APPARATUS.

Certain claims for parachute apparatus *Held* unpatentable on the ground that the combination presented is old.

APPEAL from Patent Office. Affirmed:

Mr. Royal R. Rommel for Irvin.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

The application for patent in this case relates to a parachute chair which, in many respects, is similar to the parachute chair shown in the application of George Waite, involved in suit No. 4169, decided concurrently herewith. *In re George Waite*, 26 C. C. P. A. (Patents) —, 104 F.(2d) 804. As in that case there are a number of allowed claims, and as to two rejected claims (Nos. 45 and 48) no appeal was taken to this court. As to seven claims, numbered, respectively, 1, 2, 4, 5, 36, 46, and 47, rejected by the Examiner, whose decision was affirmed by the Board of Appeals, appeal was taken.

The brief on behalf of appellant describes the invention, italicizing certain terms, as follows:

In the present application the chair is concerned with a seat type of parachute pack, and the construction of the chair has been arranged to suit the features of a seat type parachute pack. In addition the pocket arrangement for accommodation of the side straps, lap straps, and leg straps of the harness is different in the present chair. A top pocket is provided in the present chair for receiving the upper portions of the parachute harness. It is to be noted that the present chair has *rigid* side arms which are provided with side pockets or recesses *facing each other* for receiving lower portions of the parachute harness. The chair seat is provided with a socket for receiving a *seat* pack and pockets are provided *below the level of the seat* at the sides of the chair for receiving lap straps and other parts of the parachute harness. It is to be noted from the drawings that the back pad covering the harness details is provided with side flaps 38 which act as releasable covers for the harness receiving pockets in the facing sides of the rigid arms of the chair. These side flaps are secured by releasable fasteners which snap open as the parachute harness is donned by the wearer.

While each of the appealed claims contains limitations that are stressed by appellant, it is believed that claim 1, taken in connection with the foregoing description, is sufficient to illustrate the subject matter at issue:

1. In parachute apparatus the combination of a chair including a back and seat, parachute apparatus including harness and a parachute pack, means supporting the pack and parachute harness on the chair in position to facilitate attachment of the harness to the body of the wearer, and pocketing means upon the chair below the level of the seat for releasably secreting ordinarily loose portions of the harness in inactive position therein.

Four references are cited as follows: Trevitt, 137,738, April 8, 1873; Campbell et al., 1,899,668, February 28, 1933; Switlik, 1,964,864, July 3, 1934; French patent, 590,457, March 18, 1925.

It may be observed that all the references in this case were also cited in the companion case. The rejection of all the appealed claims was based principally on the ground that the combination presented is old the French patent and the patent to Campbell et al. being cited as examples of a combination between parachute equipment and a chair for use by the wearer of the equipment.

Claims 1, 2, 4, 5, 36, and 47 which, taken together, embody limitations relating to pocketing means on different portions of the chair in which loose strap ends from the harness may be inserted and secreted, the side pockets being below the level of the seat, were further rejected by the Examiner on the Campbell et al. patent in view of Trevitt. The Campbell et al. patent which, it may be said, belongs to the company with which appellant is associated, is for parachute apparatus, consisting of harness, etc., associated with a chair. The patent to Trevitt is for a combined cabinet chair and secretary and discloses pockets on the outside of the arm rests adapted for the reception of newspapers and the like. It was the view of the tribunals of the Patent Office that the modifications of the Trevitt pockets requisite to prepare them for the insertion of the loose ends of the parachute harness straps did not constitute invention and that there would be no invention in draping Campbell's harness upon the Trevitt chair.

Claim 46 which provides for rigid arms having pockets therein opening in facing relation towards the seat rest in which the loose lower ends of the harness are releasably disposed, and for releasable covering flaps for the pockets having snap fasteners adapted to open responsive to attachment of the harness upon the wearer, was additionally rejected as defining nothing patentable over Trevitt.

The arguments made on behalf of appellant in this case are quite similar to those made in the Waite case, supra, and, as we view it, the questions involved are practically the same in principle.

It is not believed that the Board committed error in sustaining the Examiner's rejection, and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

CHITTICK *v.* LYONS
AND
CHITTICK *v.* LYONS, LANGE AND MASON

Nos. 4,178 and 4,179. Decided June 26, 1939

[104 F.(2d) 818]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* in each interference that the senior party C has the right to make the counts, that the junior party L failed to prove actual reduction to practice and did not show diligence from just before the filing date of C until his own filing date, and that priority should have been awarded to C.

APPEALS from Patent Office. Reversed.

Mr. Edward H. Lang (*Mr. Henry C. Parker* of counsel) for Chittick.

Mr. Edmund G. Borden for Lyons.

GARRETT, *P. J.:*

These are companion interference cases originating in the United States Patent Office in both of which priority was awarded the party Lyons by the Examiner of Interferences whose decisions were affirmed by the Board of Appeals. From the decisions of the latter the party Chittick appealed to this court.

With respect to the joint applicants Lange and Mason, whose application was involved in interference No. 71,941, it was held by both tribunals of the Patent Office that the disclosure of the application did not support the counts and no appeal was taken here from that holding. At one time parties other than Chittick and Lyons were involved in interference No. 66,784, but these also were eliminated below and did not appeal. So, the contest here is solely between Chittick and Lyons.

The cases come before us on a single transcript of record. Both interferences are between the same applications and present the same question. Chittick is the senior party, his application, Serial No. 575,953, having been filed November 18, 1931, and that of Lyons, Serial No. 628,683, August 13, 1932. Chittick took no testimony and relies on his filing date for both conception and reduction to practice. The preliminary statement of Lyons claimed conception and reduction to practice in August, 1930. The Examiner of Interferences awarded him dates conforming to his claims. The Board awarded him August 13, 1930, for conception but held that he was not entitled to any date earlier than January 23, 1931 (and this date was awarded him) for reduction to practice. As the junior party, Lyons had the burden of establishing priority by a preponderance of the evidence.

Further it may be said that notwithstanding the numerous questions which have been raised from time to time during the progress of the cases the primary issue brought to us is a narrow one, as is evidenced by the following taken from the brief on behalf of appellant:

Appellant raises only one real question before this Court, namely, do the acts performed by Lyons or on his behalf, between the dates of August, 1930, and January, 1931, inclusive, establish reduction to practice of the inventions defined by the interference counts.

Although Chittick has heretofore attacked Lyons' proofs on the ground that they failed to show conception of the invention prior to the filing of his application and failed to show reduction to practice for several reasons, Chittick is here relying only on Lyons' failure to reduce to practice because he failed to adequately test the composition or products covered by the counts. If Your Honors find that Lyons did reduce to practice during the above mentioned period, Lyons should prevail and the decisions of the Patent Office tribunals should be affirmed. If Your Honors find that Lyons' tests do not meet the requirements for reduction to practice, the decisions of the Patent Office tribunals must be reversed and priority awarded to Chittick.

Upon this basis we consider the cases. Notwithstanding the close relationship between them, it is deemed to be in the interest of orderly procedure to separate them for decision, as was done by the tribunals of the Patent Office, and, because of the fact that the principal discussions by both those tribunals were stated in interference No. 71,941, the two counts of that case will be considered first.

Suit No. 4179—Interference No. 71,941

The counts read:

1. A lubricant composed mainly of a lubricating vehicle and a minor portion of unsaturated polymers extracted from cracked petroleum light distillates chemically combined with sulphur.

2. A sulphur base blending stock consisting of unsaturated polymers obtained from the treatment of cracked petroleum light distillates chemically combined with sulphur.

The Examiner of Interferences explains the counts as follows:

The subject matter relates to a composition resulting from the reaction between a polymer and sulphur. The composition is then blended with a petroleum oil fraction to form a lubricant. Each of the counts specifies that the source of the polymer shall be a "cracked petroleum light distillate."

To the foregoing it may be added that the parties were seeking a lubricant for hypoid gears, particularly for gears in the rear end of automobiles. The lubricant is often referred to in the record as an "extreme pressure lubricant," and sometimes as a "cutting oil." The party Lyons, however, contends that the counts themselves "are not restricted to any particular lubricating use, and certainly not to extreme pressure lubricants or cutting oils." There is nothing in the decisions below indicating that they were held to be so restricted or limited, but it is proper to say that the testimony of Mr. Lyons indicates that he was primarily seeking a high pressure lubricant, or cutting oil, in order to meet competition in this field.

During the period which is of importance here, the party Lyons was employed as a chemical engineer by a prominent oil company and was engaged in research work, his headquarters apparently being in New York city. In August, 1930, he conceived the idea of sulphurizing unsaturated polymers which were stored in a plant at Okmulgee, Oklahoma, and visited that plant where he caused a small batch of material to be prepared in accordance with his formula. It is unnecessary to relate details concerning this in view of appellant's concession that Lyons is entitled to a conception date as of that period. However, in view of the holding of the Examiner of Interferences that Lyons was entitled to a date of that period for reduction to practice also, with which holding the Board disagreed, it is

proper to say that we agree with the Board upon that point. The only test, if it may be called a test, given the batch of material was to drop some of it upon a piece of glass—seemingly a watch crystal—and observe the reaction. The Examiner of Interferences evidently based his holding largely upon the fact that those who observed the reaction were skilled chemists and upon the belief that, as such, they, by mere observation, could determine whether the product would be efficacious in actual use as an "extreme pressure lubricant," or "cutting oil," for hypoid gears. It is our view that to follow a rule of this character might lead to grave injustices in the administration of the patent laws. We regard the case as being distinguishable from the well-known case of *Corona Cord Tire Company* v. *Dovan Chemical Corporation*, 276 U. S. 358, 370 O. G. 1011, cited by the Examiner of Interferences and strongly relied upon by Lyons.

It was further held by the Examiner of Interferences that certain tests performed by the General Motors' research laboratory, at the instance of Lyons, in January, 1931, constituted reduction to practice, and this holding was concurred in by the Board, and since these tests were conducted prior to Chittick's filing date, Lyons was awarded priority. We are of opinion that the issue turns upon the efficacy or sufficiency of those tests. Commercial production of the material did not begin earlier than May, 1932. Apparently there were no actual sales until the fall of 1932, and there is no evidence of actual use of the oil in automobiles prior to Chittick's filing date.

That laboratory tests may constitute reduction to practice, under some circumstances, is so well settled that citation of authorities upon that point is deemed unnecessary. Such tests, however, must simulate actual service conditions with sufficient clearness to render it reasonably certain that the subject matter will perform its intended function in actual service.

The record discloses that Mr. Lyons, or some one acting for him, made arrangements with General Motors Company through Mr. H. C. Mougey of that company to test samples of the product at Detroit, Michigan, on an extreme pressure testing machine which had been designed and developed in the General Motors' research laboratories to do that type of testing. The samples were shipped to Mr. Mougey, and by his direction were tested by Mr. J. E. Lounsbury, an employee of the General Motors' research division. Mr. Lounsbury prepared what are referred to as "curve sheets" which, as we understand it, disclosed by means of curves, the results of the tests. Blueprint copies of these curve sheets were made and delivered to Mr. Mougey who in turn furnished Mr. Lyons with copies.

With respect to the tests and curves the pertinent testimony of Mr. Lounsbury on direct examination was that—

"The applied pressure pounds per square inch, was the load that was applied directly to the rubbing surface of the tested specimen, and the beam load in pounds was a reading taken from the scale which was attached to the dynamometer, which is in reality a reading of friction, or can be transferred into a reading of torque".

and, in substance, that sample 6PS, as shown by a curve numbered 424, had—

"good load carrying capacity."

His testimony on cross-examination by counsel for Chittick was as follows:

X Q. 20. Mr. Lounsbury, do you recall what the maximum friction load was, that you could show on your testing machine? A. I don't remember to what extent the scale could be read on the dynamometer. I am of the opinion that the extreme beam load that could be read on that scale, was five hundred pounds, but I am not sure of it.

X Q. 21. What is your opinion of the curve marked 425, forming part of Exhibit 31, as to the seizing of the lubricant tested? A. This curve indicates that there are no signs of actual seizure occurring; in other words, it ran through the entire test without seizing, without causing seizure.

X Q. 22. Now, refer to curve 426. How did you know that that seized? A. You mean how did I know it seized during the test?

X Q. 23. I mean how does the curve show that it seized? A. Because actual seizure occurred between the test specimens, and the seizure was of such extent that it was necessary to stop the machine in order to prevent breakage.

X Q. 24. Was there any criterion at that time, as to the amount of torque that should show up for a given applied pressure? A. There was not.

X Q. 25. Then all you did was record the actual torque and applied pressure, without anything further? A. Well, I recorded the actual beam load as shown on the scale, and the actual applied pressures.

X Q. 26. But it was not your duty to comment on the suitability of the material? A. That is right, it was not my duty.

His testimony on redirect examination reads:

R. D. Q. 27. Mr. Lounsbury, in referring to this machine, could you tell us how the load was applied, as the test proceeded? A. You mean how the applied pressure was applied?

R. D. Q. 28. Yes. A. Yes. The load was applied at the end of the lever, which had a forty-to-one ratio, and twenty-five pound weights were placed on the end of this lever at ten second intervals; working through this forty-to-one ratio, each twenty-five pound weight would cause an actual one thousand pounds per square inch to be applied to the test specimen. The weights were added, as I said, at ten second intervals, which was done by means of a man applying the weight each time an electric alarm rang.

R. D. Q. 29. Did you have a set time to stop applying weights? A. We stopped applying weights ten seconds after the twenty-fifth weight was applied.

R. D. Q. 30. That means that any test was stopped after twenty-five thousand pounds had been applied? A. Providing the test specimens had not seized before that time.

R. D. Q. 31. Well, when the specimens seized, the whole machine was stopped, that is my understanding of your previous testimony. A. That is right, the seizure would be so great that it would cause what appeared to be actual welding between the test specimens and would necessitate stopping the machine immediately.

It is uncertain whether Mr. Mougey witnessed the tests made by Mr. Lounsbury. He testified that he may have done so. His testimony, however, was based in part upon the blueprints of the curve sheets with which he had been supplied and other documents, all of which are in the record as exhibits, and upon his knowledge of the machine. In general, his testimony does not differ materially from that of Mr. Lounsbury respecting the results obtained but it is somewhat more detailed. Two samples appear to have been tested, one designated 6PS and the other 6SA, the former being the one of importance here. Concerning the tests of these Mr. Mougey said:

The curves show that under the operating conditions the friction became so great on sample 6SA, when a calculated load of eight thousand pounds per square inch was applied to the test sample, that seizure occurred. On sample 6PS, under the conditions of test, at 100 R. P. M., the friction remained sufficiently low during the entire test, to permit the application of the full load of the testing apparatus.

He further testified:

A lubricant that would carry the full load without seizure and without exceeding the capacity of the machine, was considered by us to be a lubricant in the extreme pressure field.

The serious question in our minds is whether the machine upon which the tests were made was shown to have been of a character which justifies a holding that the tests simulated actual service tests with sufficient closeness to constitute reduction to practice.

That the machine was not satisfactory to the General Motors Company is evidenced by the fact that its use was discontinued and it was disassembled. The following testimony of Mr. Mougey was given on cross-examination:

X Q. 58. Do you know whether the testing machine on which the samples sent to you by Mr. Mears or Mr. Merley, whoever it happened to be, were tested, is still in use? A. It is not still in use, and the apparatus has been disassembled. Part of the apparatus is in use at the present time, and whether all of the equipment could be reassembled from our stock, I do not know.

X Q. 59. Has that type of machine been supplanted by another type of testing machine for testing extreme pressure lubricants? A. There is no official method of testing extreme pressure lubricants at the present time.

X Q. 60. Was the machine which you used to test the samples sent to you by the Cities Service Company, an official testing machine? A. We designed and built the machine in our own laboratory.

X Q. 61. Was it recognized as an official testing machine? A. There is no official testing machine for testing extreme pressure lubricants, at the present time. The Society of Automotive Engineers have a committee that are working on a machine called the SAE extreme pressure testing machine, but it is not the official recognized means of testing extreme pressure lubricants.

X Q. 62. What is the recognized method of testing extreme pressure lubricants? A. There is no official laboratory method for testing extreme pressure lubricants.

X Q. 63. Do I understand, then, from your answer, that the only satisfactory way to test extreme pressure lubricants is to give them an actual service test? A. *The only final test on any lubricant is performance in service.*

X Q. 64. Isn't it true that an extreme pressure lubricant tested on the machine which you used to test the Cities Service samples, might test all right on your machine, but would not give satisfactory results in actual service? A. *The extreme pressure machine tests only load carrying ability, and does not test the other properties.*

X Q. 65. Can you tell me what the Gleason test is, as referred to in Lyons' Exhibit 24? A. The Gleason test is a laboratory test made by the Gleason Company, in which lubricants are tested in a rear axle under certain conditions prescribed by the Gleason Company.

X Q. 66. Why did you want to know whether the samples that were sent to you by Cities Service or Henry L. Doherty Company, were tested or approved by Gleason? A. The Packard Company have a great deal of faith in the Gleason test, and they use it as one of the means of testing extreme pressure lubricants. The Packard Company have from time to time, supplied us with some of the information on some of the tests made at Gleason's, to help in the work of developing extreme pressure lubricants.

X Q. 67. Do you know whether the Gleason test simulated actual service conditions more closely than your machine did? A. *There is a difference of opinion on that matter.*

X Q. 68. *Isn't it a fact that in certain instances, extreme pressure lubricants exhibited satisfactory load testing capacity in actual service, in hypoid gears, and did not exhibit satisfactory load capacity when tested on your machine?* A. *Yes, sir.*

X Q. 69. *And isn't the reverse also true?* A. *Yes, sir.* [Italics ours.]

In view of the foregoing testimony, we feel constrained to disagree with the concurring holdings below that the January, 1931, tests were satisfactory, or of a character which constituted reduction to practice of the lubricant involved. While there is correspondence in evidence that Mr. Lyons and those associated with him felt satisfied with the lubricant so far as its lubricating qualities were concerned (there being some dissatisfaction because of the odor of the mixture) it seems to us of some significance that there was a delay of a year and a half or more in commercializing the product, although the field was a competitive one, and the patent application was delayed for practically seventeen months after the tests. Mr. Lyons testified that at some time between January, 1931, and early in March of that year experiments were made in an effort to improve the odor, and a letter written by him to Mr. S. R. Merley, of Empire Oil and Refining Company, of Okmulgee, Oklahoma, was introduced in evidence, in which the following was said:

These samples have been examined and we believe that it is entirely possible to produce a good odor in this material by the addition of any one of the several materials which you used. I have taken up the matter with Borden and we have agreed to appropriate $1,000 for further work on this grease. However, before beginning the work, I would like to have an outline of what you would propose doing along this line. I have several ideas which I would like to have you consider in making up this outline——

Inasmuch as we do not have a supply of polymers on hand sufficient to make any large quantity of this lubricant, I would suggest that we get five or ten gallons of current production of polymers made by Standard at Bayway, to determine whether or not satisfactory grease could be made from them.

I also have in mind that we should fractionate these polymers and determine whether or not one or several of the fractions contribute most to the bad odor, and if so, they might possibly be eliminated from the material which we use to make the grease.

I think that we should make up sulphur polymer mixtures containing varying amounts of sulphur, to determine whether or not we can produce a mixture which is entirely free of elemental sulphur. If this is possible, we will want to test lubricants containing such mixtures to determine whether the combined sulphur or the free sulphur is the desirable constituent of the finished grease. No doubt, we will also have to determine the least possible percentage of sulphur that is necessary to produce a satisfactory lubricant.

The above indicates, of course, that there was concern relative to the odor, but it seems that, under a fair interpretation of the language, concern is also indicated respecting other properties of the lubricant.

All research work was stopped, according to the testimony of Mr. Lyons, in early March of 1931 and nothing more seems to have been done until after the filing date of the Chittick application.

It does not seem to us that the party Lyons has established reduction to practice by a preponderance of the evidence.

With respect to the contention on behalf of Lyons that the counts are not restricted or limited to an extreme pressure lubricant or cutting oil, it seems sufficient to say, conceding this to be true, that the record contains no evidence of any tests except tests relating to oil of that character, if the "watch crystal" experiment be disregarded, as we think it must be.

Before the Examiner of Interferences the party Lyons, after being placed under order to show cause why judgment upon the record should not be entered against him as between his application and the joint application of Lange et al., entered a motion to dissolve both as to Lange et al. and as to Chittick, alleging that neither of those applications disclosed the invention. The Examiner of Interferences pointed out that interference No. 71,941 was declared as the result of an interlocutory decision in interference No. 66,784, in which Lyons had the opportunity of opposing the admission of the claims corresponding to the counts now under considera-

tion, and dismissed the motion. The question of priority not being involved in that proceeding there was no appeal from that action. When the matter came on for final decision by the Examiner of Interferences, however, he held that Lyons having opposed the admission of the counts had the right to question Chittick's disclosure. He further held that Chittick's original disclosure was sufficient to support the counts, but, as has been said, awarded priority to Lyons. In his appeal to the Board the party Chittick alleged that the Examiner of Interferences erred in holding that Lyons had the right to attack his (Chittick's) disclosure. Inasmuch as the Board awarded priority to Lyons upon the facts, it apparently did not deem it necessary to pass upon the question so raised.

Chittick in appealing to this court stated no reason of appeal involving this matter and there was no cross-appeal by the party Lyons, but the latter raises the question in his brief and the brief for Chittick discusses the merits of Lyons' contentions. Under the rule stated by this court in *Rollie B. Fageol* v. *Gabriel Midboe*, 19 C. C. P. A. (Patents) 1117, 56 F.(2d) 867, 421 O. G. 1179, the question is before us, and Lyons' contentions regarding it have been carefully considered.

It was held by the Examiner of Interferences that a prior patent, No. 1,337,523, issued to Leslie et al., April 20, 1920—

shows that the production of polymers from cracked gasoline was old in the art at the time Chittick filed his application and it was therefore unnecessary for Chittick to describe a method for their production.

The Examiner of Interferences cited as authority the familiar case of *Loom Company* v. *Higgins*, 105 U. S. 580, 21 O. G. 2031. The principle stated is settled law followed by numerous decisions of various courts rendered subsequent to that in the Loom Co. case, supra.

Lyons does not challenge the correctness of the principle, but alleges, in substance, that Chittick's original disclosure was "vague, imperfect, and incomplete"; that it did not, until amended, meet the requirements of R. S. § 4888 as to definiteness of description; that it did not disclose a method of extracting polymers from oil fractions; that it disclosed a process for the formation of polymers rather than their extraction, and, seemingly, that the process is inoperative because it does not disclose any method for extracting polymers alleged to be present in cracked petroleum.

Much of the argument on behalf of Lyons is based upon statements made by the Primary Examiner in different office actions while the Chittick application was receiving ex parte consideration, and upon the fact that the Chittick application was amended (subsequent to Lyons' filing date) as a result of such actions.

In answer to these contentions Chittick cites a number of patents, other than that to Leslie et al., which were made a part of the record, and also refers to certain of the testimony taken on behalf of his adversary, Lyons, which is claimed to establish his contentions respecting what was known to those skilled in the art at the time of the filing of his (Chittick's) application.

The arguments on behalf of both parties of necessity involve matters quite technical in character. Whether they are more elaborate than those presented before the Examiner of Interferences, we are unable to determine, but it must be assumed that he, as an expert, considered all matters pertinent to this important point.

From our own examination of the record we do not feel justified in holding that the Examiner of Interferences committed error in sustaining the right of Chittick to make the counts in view of the known state of the art at the time of filing his application.

From the recitations already made, it is clear, we think, that Lyons did not show diligence during the critical period from just before Chittick's filing date of November 18, 1931, until his own filing date of August 13, 1932.

So, the decision of the Board in interference No. 71,941 is reversed.

Suit No. 4178—Interference No. 66,784

This case involves a single count which reads:

1. A mineral oil lubricant comprising unsaturated polymers extracted from a light petroleum oil fraction cracked in the vapor phase chemically combined with sulphur.

It is pointed out by both the Examiner of Interferences and the Board that the count in this case is narrower than the counts in interference No. 71,941 in that, as stated by the Board, it "requires that the light petroleum oil fraction employed has been cracked in vapor phase."

This distinction, however, is not claimed to be of moment in the case. Upon the questions of reduction to practice and the right of Chittick to make the counts, as well as upon diligence on part of Lyons, both cases stand upon the same plane.

For the reasons stated by us in interference No. 71,941, supra, therefore, the decision of the Board in the instant interference is also reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

TEARS *v.* ROBINSON

No. 4,180. Decided June 26, 1939

Petition for Rehearing Denied October 2, 1939

[104 F.(2d) 813]

1. INTERFERENCE—INTERPRETATION OF COUNTS.

"It is the rule that where the counts of an interference, declared between a patent in which they originated and an application, are ambiguous they are to be construed in conformity with the patent, but limitations not expressed in the counts and not clearly inherent in them will not be read into such counts."

2. SAME—PRIORITY.

Record reviewed and *Held* that the disclosure in the application of the senior party R does not support the counts, and that priority was properly awarded the junior party T.

APPEAL from Patent Office. Affirmed.

Mr. Philip S. McLean for Tears.

Mr. Donald E. Payne for Robinson.

GARRETT, *P. J.*:

We are here called upon to review the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority to the party Robinson in an interference proceeding involving three counts which read as follows:

Count 1. The herein disclosed process of decolorizing viscous lubricating oil which comprises heating a mixture of viscous lubricating oil and liquefied normally gaseous hydrocarbon solvent to a temperature corresponding to a solvent vapor pressure in excess of 150 pounds per square inch under pressure sufficient to maintain said solvent in the liquid state and passing the heated mixture through a bed of adsorbent decolorizing clay under sufficient pressure to maintain the heated solution in the liquid state.

Count 2. The herein disclosed process of decolorizing viscous lubricating oil which comprises heating a mixture of viscous lubricating oil and liquefied propane solvent under pressure sufficient to maintain said solvent in the liquid state to a temperature corresponding to a solvent vapor pressure in excess of 150 pounds per square inch and passing the heated mixture through a bed of adsorbent decolorizing clay under sufficient pressure to maintain the heated solution in the liquid state.

Count 3. The process of count 1, including the further steps of periodically interrupting the passage of the oil solution through the bed of adsorbent decolorizing clay and passing fresh liquefied normally gaseous hydrocarbon solvent under pressure sufficient to maintain the solvent in the liquid state through the bed of adsorbent decolorizing clay during such periods of interrupted flow of oil solution.

The interference was declared between a patent, 2,067,802, issued to the party Tears January 12, 1937, upon an application filed July 5, 1933, and an application of Robinson, Serial No. 597,889, filed March 10, 1932. All the counts originated in the Tears patent.

The sole question involved is the right of Robinson to make the counts, the issue having been presented by a motion on behalf of Tears to dissolve the interference after he had been placed under order to show cause why judgment upon the record should not be entered against him.

The Primary Examiner denied the motion to dissolve and the Examiner of Interferences entered judgment pro forma. Upon appeal the Board reviewed the decision of the Primary Examiner and, agreeing therewith, affirmed the judgment order of the Examiner of Interferences. Tears filed a petition for rehearing which was denied and appeal to this court followed.

While the only question presented is whether Robinson's disclosure supports certain express limitations in the counts, determination of this has required the consideration of highly technical matters concerning which the arguments, of necessity, are quite technical in character. The tribunals of the Patent Office agreed as to all material phases of the case. Under such circumstances the burden rests heavily upon appellant to demonstrate clearly the error of the concurring decisions, the question presented being one of fact only.

It is noted that the brief for appellant states:

We believe that possibly the decision of the Board of Appeals in favor of Robinson was the result of a failure on our part to fully acquaint the Board of Appeals with the technical details involved.

As to this we may say that, so far as we can determine, appellant's motion to dissolve was quite comprehensive and specific in stating the reasons upon which it was based, and it is certain that the discussion contained in his petition to the Board for rehearing covered in detail, although in somewhat different phraseology, the various technical matters presented to us (with the exception of the operability of Robinson's process), the limitations relied on being italicized and argued at length. We feel quite confident that the Board as well as the Primary Examiner (the Examiner of Interferences not having had occasion to consider the case on the merits) fully understood the issues and the position of appellant respecting them, and that such issues were considered by those tribunals in the light of their expert knowledge of the subject matter.

The Primary Examiner described the invention and the disclosures of the respective parties broadly as follows:

The invention relates to a process of decolorizing viscous lubricating oil with clay, and more particularly the oil is first mixed with a normally gaseous hydrocarbon solvent at an elevated temperature under pressure sufficient to maintain said solvent in the liquid state. The disclosure of Tears relates to the use of propane as the preferred diluent or solvent, but other liquefiable gases may be used. The diluent in Tears at a temperature corresponding to a solvent vapor pressure in excess of 150 pounds per square inch is mixed with the oil and then the mixture is heated to cause complete solution and extreme dilution. The heated solution may be passed directly to the clay chamber or it may be first cooled to a temperature corresponding to a solvent vapor pressure of 150 pounds per square inch. The Tears disclosure also relates to the reactivation of clay by interrupting the passage of the oil solution through it while fresh liquefied normally gaseous hydrocarbon maintained in liquid form is passed through said clay. According to data submitted and made of record in the Tears patented file the temperature of liquefied propane corresponding to its vapor pressure of 150 pounds per square inch is about 85 degrees Fahrenheit.

The Robinson disclosure relates to the treatment of a viscous oil with a diluent such as liquefied hydrocarbon gas of the nature of propane or butane. Robinson describes the treatment of a lubricating oil stock by first mixing it with propane at a pressure of about 50 to 200 pounds, depending upon the vapor pressure of the propane. The mixture is acid treated in a mixer wherein the temperature is preferably about 75 to 90° Fahrenheit which could be regulated by the use of heating or cooling coils. The mixture of acid, oil and propane is then passed into a reaction tank and kept there for a sufficient time to allow for complete reaction, then the sour oil is separated from the sludge. The acid treated oil is then passed to clay contacting or percolating filters. Robinson describes the maintenance of temperatures of the order of 70° to 90° F. within the reaction tank by withdrawing vapors of propane from the top thereof. Robinson also discloses the reactivation of the clay beds by washing out the filters at intervals with propane and then treating with caustic alkali and a solvent mixture.

From appellant's brief we quote the following:

The claims [counts] are limited to decolorizing lubricating oils in solution in a particular solvent, designated in count 1 as a liquefied normally gaseous hydrocarbon, and in count 2 as propane, a specific member of the general family of liquefied normally gaseous hydrocarbons. The whole group may be defined as hydrocarbon compounds which are gaseous in nature at ordinary atmospheric pressure and temperature but which can be liquefied by compression at atmospheric or higher temperatures or by refrigeration to subatmospheric temperatures under atmospheric pressure or by a combination of compression and refrigeration.

The Tears patent mentions methane, ethane, ethylene, propane, propylene, butane, butylene and pentane as specific individual members of the family that may be used in this process. Of this group, the most desirable single solvent is propane, because it is readily available, can be liquefied under reasonable pressures and can be procured at reasonable prices. Propane is a saturated hydrocarbon of the methane series with a formula of C_3H_8.

Tears introduces propane in his patent as follows:

"Propane, because of its availability, low cost and the fact that it can be maintained liquid at a pressure of around 150 lbs. at normal temperatures has been used most satisfactorily" (R. 69).

Please note that this quotation is by way of definition and description of propane and has nothing to do with any operating conditions in the process described by Tears.

In the Tears patent file of record there is a document entitled "Pressure-Temperature Chart for Hydrocarbon Vapors" which consists of pages taken from Vol. 15, No. 6, June 23, 1923, of a publication

entitled "Industrial and Engineering Chemistry." A chart was alluded to in the decision of the Primary Examiner. We find no specific reference to a chart in the decision of the Board. The record also contains a document described in the brief on behalf of Tears as "a magnified portion of this chart showing the vapor pressure curves of propane, butane and pentane." This appears in the record on page 126A. It is referred to in appellant's petition for rehearing as having been "used by Tears at the hearing." We assume that it was meant by this that it was used at the hearing before the Primary Examiner but whether the Primary Examiner's reference to "the chart made of record in the file of Tears Patent 2,067,802" was to this so-called "magnified portion," or to the chart itself, is not clear. The "magnified portion" is more than that term indicates in that it contains printed matter, not embraced in the chart itself, referring specifically to the patent and application here at issue. The accuracy of this "magnified portion" is challenged in the brief for Robinson at least to the extent that in a supplement thereto another chart is presented which is described as "a corrected copy of page 126A of the record."

The brief on behalf of Tears contains the statement, in substance, that in technical literature two different pressures are used; namely, "gauge pressure" and "absolute pressure"; that when pressure is stated in pounds per square inch it is "universally understood" that the unit is gauge pressure; that when absolute pressure is meant it is "always stated as 'Pressure in lbs. per sq. in. absolute' or 'Absolute pres. lbs. per square inch' as it appears on the chart"; that gauge pressure is converted to absolute pressure by adding approximately 15 pounds per square inch; that a gauge pressure of 150 pounds per square inch would approximate an absolute pressure of 165 pounds per square inch, and that to convert absolute pressure to gauge pressure the process is reversed and approximately 15 pounds is deducted from the absolute pressure.

The counts at issue require that the mixture of oil and the liquefied normally gaseous hydrocarbon solvent (count 2 being limited to propane as the solvent) be heated to a temperature in excess of 150 pounds per square inch, and it is the contention of Tears that this should be interpreted as meaning gauge pressure. Based upon this construction he directs attention to lines and curves shown upon the "magnified portion" of the chart which are claimed to demonstrate that Robinson does not disclose a pressure in excess of 150 pounds per square inch, as the counts require.

The party Robinson responds that the counts do not call for gauge pressure; that nowhere in his patent does Tears refer to gauge pressure; that vapor pressures of solvents are not ordinarily referred to as gauge pressures; that the vapor pressure curves supplied to the Patent Office in the Tears file do not refer to gauge pressure; that there is no foundation whatever for reading the word "gauge" into the counts, and, in the chart supplied by Robinson for use in the argument, emphasis appears to be placed upon absolute pressure.

The use of charts, drawings, models and the like for the purpose of illustrating arguments of counsel is legitimate and proper, and we frequently find them quite helpful and always appreciate and encourage their use. When, however, their accuracy is questioned and nothing is disclosed in the record of an evidentiary nature from which accuracy can be determined such documents tend to confuse rather than aid.

Thus we are confronted here with a disputed question of a technical character concerning which there is no evidence in the record. Certain things are stated in the respective briefs as being factual, and arguments are based upon them with charts used as illustrative, the accuracy of both the facts stated and the charts used being challenged.

The situation is analogous to that which existed in the case of *Pew, Jr.* v. *Gard et al.*, 25 C. C. P. A. (Patents) 1326, 97 F.(2d) 591, 497 O. G. 553, where we said, inter alia:

> In this court, counsel for appellant has presented argumentative matter, technical in character, as a substitute for evidence in an effort to demonstrate that the Board of Appeals erred in holding that a pressure drop of 75 pounds at valve 63 in appellee Seguy's disclosure would be sufficient to dry the mixture of vapors passing to the vapor phase cracking chambers 22 "to the extent required to bring the temperature above the saturation point for the reduced pressure," as stated in the counts.
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> • • • • • • •
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> We have heretofore called attention to the fact that counsel for appellant has submitted no evidence in support of his contention, but relies entirely upon arguments, technical in character, to demonstrate the correctness of his position.
>
> • • • Counsel for appellant having failed to introduce any evidence on the subject, and as it does not appear to us from a consideration of the facts of record and the arguments of counsel that the Board of Appeals erred • • • we must hold that appellee Seguy is entitled to make the claims constituting the counts in issue.

It seems to be the theory of the party Tears that the court may take judicial knowledge of the understanding in the art of the technical matters stated and argued in his brief. This was suggested during the oral argument before us and counsel for the parties were invited to furnish any authorities deemed to be in point. We have been supplied with definitions of pressure quoted from what are stated to be standard and well recognized authorities. Assuming, without deciding, that we might properly look to them, they have been examined but they are found to be conflicting and not clear in some material respects, and we do not feel justified in accepting them as establishing appellant's contentions. It must be borne in mind that Tears is the junior party here, and had the burden of establishing his case by a preponderance of the evidence.

It should be said further that Robinson does not concede that even if the word "gauge" be read into the counts his disclosure fails to support them. Upon the contrary, he argues:

> However, even if gauge pressures were specified in the counts in issue Robinson would still have ample disclosure to meet this requirement because it is indisputable that a hydrocarbon which has a vapor pressure of 200 pounds at 100° F. will have a vapor pressure in excess of 150 pounds at 90° F. Robinson teaches the use at 90° F. of a hydrocarbon diluent which has a vapor pressure of 200 pounds at 100° F.

The contention of appellant that Robinson does not disclose gauge pressure in excess of 150 pounds per square inch seems to be based upon what is contended, in effect, to be a property of propane, appellant's preferred solvent or diluent. Appellant insists this means pure propane, thus arguing for the insertion of another limitation (pure) into the counts, or at least into count 2. It is pointed out that the specification of Robinson defines the propane proposed to be used by him "to mean commercial propane or mixtures of propane with butane, having a vapor pressure at 100° F. of about 50–200 pounds," and appellant insists that a gauge pressure in excess of 150 pounds per square inch will not result from the use of such a mixture, while stating that the use of pure propane will produce such result.

[1] It is urged on behalf of appellant that the counts having originated in the Tears patent, they must be construed in the light of the Tears disclosure and all limitations must be carefully observed. This is not a complete statement of the rule. It is the rule that where the counts of an interference, declared between a patent in which they originated and an application, are ambiguous they are to be construed in conformity with the patent, but limitations not expressed in the counts and not clearly inherent in them will not be read into such counts.

Here the counts do not contain the word "pure," nor is the word used anywhere in the Tears specification. Appellant's contention that the word must be read into the counts, like his contention respecting the word "gauge," is based upon technical matters not established by evidence but merely stated in the brief of appellant and disputed in the brief of appellee, the latter saying:

> Anyone skilled in the art knows that commercial propane contains some butane and ethane. Robinson's disclosure is addressed to those skilled in the art and he teaches them to use those liquefied hydrocarbon gases which have approximately the boiling point and vapor pressure of propane.

The authorities furnished the court, following the oral argument of the case, defining propane, etc., are not deemed sufficient to justify reading the word pure into the counts.

Certain arguments on behalf of appellant are based upon the "heating" and "heated" features expressed in counts 1 and 2 and, by reference, in count 3. Here again technical arguments are made which are met by technical arguments. Robinson's application discloses a much more comprehensive treatment than is disclosed by Tears, as is pointed out by the tribunals below, an acid treatment as well as a clay treatment being shown by Robinson. Without entering into details respecting the "heating" and "heated" features, we deem it sufficient to say that nothing is presented in the argument for Tears which satisfactorily demonstrates error in the holdings of the tribunals of the Patent Office concerning them.

It may be said that a difference in the teachings of the respective parties is that Tears defines his temperature by the vapor pressure of his solvent while Robinson defines his temperature in degrees Fahrenheit. This difference produces some complexity when the subject matter is being considered by those unskilled in the art, but those skilled in the art, as for example the tribunals of the Patent Office, doubtless are able to compare the two accurately and without difficulty.

There is argument on behalf of appellant, based upon his teaching that the pressure and temperature may vary within wide limits, it being said that in the case of propane and in accordance with the temperature in the system, the pressure may vary between 150 and 1000 pounds. As to this, it seems sufficient to say that the counts themselves are satisfied by any pressure in excess of 150 pounds.

In his brief appellant raises a question as to the operativeness of Robinson's disclosure, a pump not being shown by Robinson between the propane tank and the mixer. No question of operativeness seems to have been raised before the tribunals below, and we find nothing specific to that matter in the reasons of appeal assigned before us. It is insisted on behalf of Robinson that such a pump is unnecessary if sufficient pressure be maintained in the propane tank. We do not feel called upon to consider this question under the circumstances appearing.

[2] For the reasons stated the decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MEUER AND STEVENS

v.

SCHELLENGER

No. 4,114. Decided June 26, 1939

Petition for Rehearing Denied October 2, 1939

[104 F.(2d) 949]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that priority was properly awarded to the junior party Schellenger who was shown to have reduced the invention to practice prior to any date alleged by the senior party Meuer and Stevens.

APPEAL from Patent Office. Affirmed.

Mr. Frank H. Hubbard (*Mr. J. E. Hutchinson, Jr.* and *Mr. William C. Lyon* of counsel) for Meuer and Stevens.

Mr. Howard W. Hodgkins (*Mr. E. W. Shepard* of counsel) for Schellenger.

JACKSON, *J.:*

This is an appeal in an interference proceeding involving two counts. The interference is between an application of the party Meuer and Stevens, filed May 16, 1931, and the application of the party Schellenger, filed March 30, 1932. Meuer and Stevens are therefore the senior party, and the burden was upon Schellenger to establish priority of invention by a preponderance of the evidence.

The interference involved four counts before the tribunals below, both of which tribunals awarded priority of invention to Meuer and Stevens as to counts 1 and 4, and to Schellenger as to counts 2 and 3. While both parties appealed to the Board from the decision of the Examiner of Interferences, no appeal has been taken here by Schellenger from said award of priority by the Board of Appeals to Meuer and Stevens.

The present interference was split off from a three-party interference, No. 64,688, for determination of priority in respect to specific subject matter not common to the third party.

The two counts here involved were not original counts in the present interference, but were introduced into the interference upon motion filed by appellee.

Both parties filed preliminary statements; with respect to counts 2 and 3 appellants alleged conception of invention, drawings illustrating the invention, and disclosure of the invention to others on January 21, 1931; first written description on February 5, 1931, and reduction to practice on January 26, 1931; appellee's preliminary statement alleged conception, first drawings and written description of the invention on April 18, 1928; disclosure of the invention to others on April 20, 1928, and reduction to practice on May 13, 1928.

Appellee did not take testimony directly in this interference, but introduced into his record here, under a stipulation with appellants, all of the testimony taken on his behalf in the said prior interference No. 64,688.

Appellants took testimony directly in this interference and also introduced, under stipulation, certain testimony taken in the prior interference by the third party to that interference, Erwin R. Stoekle. Many exhibits are in evidence, introduced by both parties.

The invention covered by the counts herein is a form of combined rheostat and snap switch, adapted for use in radio receiving sets and like apparatus. The counts are as follows:

2. The combination with an electrical resistance varying device having a member rotatable to opposite extreme positions, of a projecting element mounted eccentrically upon said member, a metallic cover member for said resistance varying device, said cover member having an opening formed therein, a recessed molded insulating base member adapted to overlie said opening and rigidly secured to said cover member, and a snap switch mechanism carried within said base member and enclosed thereby, said switch mechanism including an actuating element with which said projecting element has transient driving engagement in different positions of said rotatable member whereby operation of said switch mechanism is effected.

3. The combination with an electrical resistance varying device having a member arcuately movable throughout a relatively wide range, of an eccentrically mounted projecting element upon said member, a recessed molded insulating base, a snap switch mechanism carried within said base, a metal cover member for said resistance varying device to which said insulating base is secured at a plurality of spaced points on the former, said cover member having an opening formed therein to provide clearance for said switch mechanism, said projecting element having a transient lost motion connection with said switch mechanism to provide for actuation of the latter to open- and/or closed-circuit position during movement of said movable member in reverse directions, respectively, through a relatively small portion of its range.

Appellee relied upon a device, his Exhibit 4, which is a physical embodiment of the invention, and his Exhibits 1 to 3, inclusive, which consist of pages from a diary of 1928, to establish his conception and reduction to practice of the invention described in the involved counts.

Exhibit 4 is not the device which appellee testified was made in 1928. It was claimed that said device had been lost, and Exhibit 4 is said to be a replica thereof made in accordance with the disclosure in the diary of appellee under date of April 18, 1928, Exhibit 1.

Exhibit 4 comprises two circular Bakelite shells, each open on one side. The shells are approximately two inches in diameter and about one-half inch in depth. One contains the rheostat which is operated by means of a rotatable knob on the outside of said shell. The shaft upon which the knob is mounted extends through the shell, the inner end of said shaft being positioned centrally with respect to the circular resistance element of the rheostat; upon the inner end of this shaft is mounted an arm which extends radially toward the periphery of said shell. The end of the arm contacts the circular resistance element which abuts the inner wall of the shell. Upon said arm there is an ear engageable with a toggle which protrudes from the other shell, which toggle is a part of the snap switch mechanism contained therein. The other Bakelite shell, containing the snap switch mechanism, has its open side covered with a brass plate, fastened to the shell with three screws. The plate has an opening through which protrudes the aforementioned toggle. This shell has openings cut in its circumferential area so that the working of the switch may be observed. The two shells are held together with a fibre strap.

Exhibit 1 consists of photostatic copies of three pages of the diary of appellee, which contain a full and carefully written disclosure of the subject matter of the counts and two drawings showing structure identical with that of Exhibit 4 hereinabove described.

There is no other documentary evidence in the record concerning the disclosure or building of the lost device.

The description of the said drawings starts at about the middle of a page of the diary bearing the printed day and date "Tuesday, April 17, 1928." On the upper part of the page there are some sentences written in handwriting of ordinary size. A line is drawn boxing off this writing, and the balance of the page is filled with a portion of the description of the drawings of the device which appear on the following page. In handwriting appears "Wed. Apr. 18-28." This description is written in very small but perfectly clear and very carefully worded language. It does not resemble the writing at the top of the page. The second page of the said exhibit has the same general appearance. On the top is printed "Wednesday, April 18, 1928." Immediately beneath this there are five or six lines of handwriting of ordinary size. Directly underneath appear the two very complete figures showing the device of 1928 in full size of Exhibit 4, and the balance of the page is filled with a continuation of the description started on the first page of the exhibit, in the same small, clear writing. In the same way the description is completed on page 3, starting in the middle of the page. At the bottom of page 3, in writing of ordinary size, appears "Designed by N. C. Schellenger Apr. 18th, 1928."

The disclosure as above set out could have been written at any time. The appellee testified that the said described diary entries were made on April 18, 1928. Four witnesses, among whom was the wife of appellee, all testified that they had seen the drawings in the diary in the spring of 1928. Several of these witnesses testified that there was in the diary a written description of the drawings. Another witness testified that he saw the drawings and description in the diary during May, 1930. As far as the record shows, we cannot say that the tribunals below erred in holding that there has been sufficient corroborating evidence to establish that appellee made his drawings and written description, which are adequate to meet the counts, on April 18, 1928.

Exhibit 2 is a photostatic copy of a page from appellee's diary, dated April 20, 1928, which contains the following entry:

Explained my new switch & rheostat to Joe Kehres and showed him the drawings of unit which I made in this book under date of Apr. 18th. Joe offered to help me with building first unit.

Mr. Kehres testified that in the spring of 1928—

Mr. Schellenger, after showing me these drawings, I offered to help him in any way I possibly could and he asked me whether I would get a rheostat winding mounted in a shell, a circular wire-wound strip mounted in a Bakelite shell; I went back to Mr. Steely, the man who was running our wire-wound department and he made up a 2-ohm wire-wound strip and brought it up to me and I mounted it in 18—90 Bakelite shell and took several other shells and turned them over to Mr. Schellenger.

Exhibit 3 is a photostatic copy of a page of the same diary of appellee, dated May 13, 1928. In this exhibit is written:

Got new combination snap switch & volume control completed and operated it successfully. Joe Kehres operated the unit & likes it better than the H & H switch mounted on bracket. This switch & rheostat is one I doped out Apr. 18th, '28.

The record shows that a device similar to Exhibit 4 was made up and attached to the radio of appellee; that three witnesses, including Mr. Kehres, personally operated the device in the spring of 1928, and that the switch turned the set on and off and the resistance controlled the volume of sound.

It was testified that after the original device had been on the radio of appellee for several months it was brought to the factory and given a life test on a machine in the variable high resistance department. It was said to be an extended test, the switch, it was said, having been operated about 24,500 times; a number of witnesses testified as to this test.

Apparently, on the record here, Exhibit 4 is a replica of the alleged device of 1928 which was said to have been lost. It was testified to have been made from the same specifications, Exhibit 1, from which the claimed device of 1928 was made. The similarity of the two said devices was testified to by several witnesses.

The record shows that a second sample was to have been made at the factory, using the device of 1928 as a guide. This second sample was never completed, and was also said to have been lost.

We are frank to say that we are not impressed with appellee's exhibits consisting of alleged diary entries. However, under the well-established rule, we are not warranted in overturning concurring decisions of the Patent Office tribunals on questions of fact in the absence of manifest error; and, on the record before us, we can not say that there is manifest error in such decisions. Accordingly the holding of the tribunals below that appellee reduced the involved invention to practice at least as early as the summer of 1928 will not be disturbed by us.

Appellants contend that the brass plate, before mentioned in Exhibit 1, is not a "cover member for said resistance varying device," and that the Board of Appeals erred in finding that the involved counts do not require the cover member to be a tie member between such device and the switch.

There is no limitation in the counts that the cover member is a tie member, as contended by appellants; therefore their contention in this respect fails. As to the brass plate, identified in the drawing by the number 15, appellee sets out in his written description, Exhibit 1, that—

"The metal plate 15 forms a cover for the rheostat housed in shell 18 and also forms a partition separating the switch mechanism from the rheostat."

There cannot be any doubt that the metal plate 15 covers the rheostat when the device is assembled. We think it is immaterial whether the said metallic cover is attached to the rheostat shell prior to assembly of the device or not. It is a metal plate; it functions as, and is, a cover for the rheostat. Accordingly we find no error in the holding of the Board that the metal plate 15 satisfies the requirement of the counts.

Appellants also contend that appellee derived the invention from them, and was spurred into activity by knowledge of their device, and further that the record shows that the device of 1928 was abandoned, or suppressed and concealed.

The Examiner of Interferences and the Board held that the life of the device was tested in 1929, and that the record shows that the possibility of commercial production was discussed in 1930. Some support can be found in the record for the following statement of the Examiner:

* * * If inactivity is to deprive a party of a reduction to practice to which he is otherwise entitled such inactivity must be shown to be due to dissatisfaction with the device. In the present instance this is not the case. Schellenger never abandoned the idea of making the device commercially but delayed due to the pressure of work and to poor health.

It is not disputed that appellee saw the device of appellants sometime in April 1931. The record for appellee, however, contains some evidence tending to show that it was appellee's intention throughout 1930 to go into commercial production of his device, and the testimony of the two workmen who did the work on the development of the switch is some evidence that this work was done in February 1931, which is several months prior to April 1931. This work was held to be the final stage of appellee's activity which ended in commercial production.

The Board stated:

* * * We think it clear that, insofar as counts 2 and 3 are concerned, Schellenger neither derived the invention from Meuer and Stevens nor was he spurred into activity by knowldge of their device. The record clearly shows that Schellenger was in possession of the invention as broadly covered by counts 2 and 3 long prior to Meuer and Stevens' alleged conception and, moreover, the record shows that Schellenger entered into the final stages of

activity which led to commercialization prior to the date on which he is claimed to have had knowledge of the Meuer and Stevens device. * * *

It is further contended by appellants that since the decision of the Board held that the evidence was insufficient to award priority of invention to appellee with respect to counts 1 and 4, it follows that there was—

"no evidence upon which to credit appellee with original work on the device in issue following the alleged 1928 and 1929 work and preceding the time at which appellee now admits that he procured a specimen of appellants' device, to-wit, April, 1931".

We think this reasoning of the above contention to be fallacious. Both the Examiner of Interferences and the Board held that appellee's exhibits did not disclose a "stamped sheet metal cover member" and "a relatively shallow recessed molded insulating base," as required by count 4. With respect to count 1 it was held that the proof of appellee failed to meet the terms of said count since "the walls of the recess are not formed to limit the movement of both the actuator and contactor, as required by the count," as stated by the Examiner of Interferences. These are limitations not contained in counts 2 and 3 and the situation is that they were not met by appellee's proof.

We are not here concerned with the three-party interference hereinbefore mentioned. It has been brought to our attention that the third party to that interference elected to proceed, as to a count not in this interference, under section 4915 R. S. This was a suit in equity, an original proceeding, and the issues therein were tried de novo upon the record made in the Patent Office and additional new evidence. *Globe-Union Inc. et al.* v. *Chicago Telephone Supply Co. et al.*, 103 F.(2d) 722.

Since we are bound, in this jurisdiction, by the record as made before the tribunals of the Patent Office, we can give no consideration to the decision of the Circuit Court of Appeals above cited, made on a different record.

In our opinion, on the record before us, and for the reasons hereinbefore set forth, the decision of the Board of Appeals should be, and is, affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,231,764, F. Lowenstein, Telephone relay; 1,618,017, same, Wireless telegraph apparatus; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,465,332, same, Vacuum tube amplifier; 1,403,932, R. H. Wilson, Electron discharge device; 1,811,095, H. J. Round, Thermionic amplifier and detector; 1,702,833, W. S. Lemmon, Electrical condenser; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 13844, *R. C. A. et al.* v. *D. Coombs et al.* Decree pro confesso as to Danco, Inc., finding patents valid and infringed, injunction June 25, 1934. Bill dismissed as to D. Coombs without prejudice Sept. 25, 1939.

1,251,377, A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,728,879, Rice & Kellogg, Amplifying system, D. C., N. D. Ill., E. Div., Doc. 13845, *R. C. A. et al.* v. *Danco, Inc., et al.* Default decree as to Danco, Inc., finding patents valid and infringed, injunction June 25, 1934. Bill dismissed as to D. Coombs without prejudice Sept. 25, 1939.

1,207,188. (See 1,251,377.)

1,392,399, 1,605,172, T. M. Chance, Method and apparatus for washing coal and concentrating ores and minerals; 1,559,937, Re. 16,674, 1,854,107, same, Method and apparatus for separating materials of different specific gravities; 1,614,876, same, Method and apparatus for agitating fluid separating mediums; 1,894,020, same, Valve gear for coal washers and concentrators and method of operating same; 1,937,190, same, Apparatus for agitating fluid masses and separating materials; 1,949,242, same, Apparatus for separating materials of different specific gravities, appeal filed Dec. 10, 1938, C. C. A., 3d Cir., Doc. 6969, *T. Chance et al.* v. *Lehigh Navigation Coal Co.*

1,403,475. (See 1,231,764.) 1,403,932. (See 1,231,764.)

1,448,709, J. E. Schulze, Art of oil distillation; 2,017,820, same, Mineral oil distillation, D. C., E. D. Pa., Doc. 9337, *Red River Refining Co.* v. *Sun Oil Co.* Dismissed Sept. 20, 1939.

1,465,332. (See 1,231,764.) 1,537,944. (See 1,584,929.)

1,537,945. (See 1,584,929.) 1,559,937. (See 1,392,399.)

1,573,341, E. B. Hiatt, Device for packing fruit; 1,593,302, same, Basket liner, D. C., N. D. Ill., E. Div., Doc. 466, *Carpenter-Hiatt Sales Corp.* v. *R. N. Jones (Chicago Paper Products Co.) et al.* Consent decree as to W. E. Scott, holding patents valid and infringed by defendant, injunction June 30, 1939. Consent decree as to R. N. Jones holding infringement, injunction July 5, 1939.

1,573,374. (See 1,251,377.)

1,584,929, 1,584,933, Handy & Bull, Governor; 1,537,945; 1,537,944, R. Hufford, Governor for internal combustion motors; 1,927,973, A. A. Bull, Governor; 2,048,423, same, Stabilizer for suction governors; 2,039,396, Darnell & Adler, same, D. C., N. D. Ill., E. Div., Doc. 15488, *Handy Governor Corp.* v. *Hoof Products Co.* Bill and counterclaim dismissed without prejudice Aug. 22, 1939.

1,584,933. (See 1,584,929.) 1,593,302. (See 1,573,341.)

1,605,172. (See 1,392,399.) 1,614,876. (See 1,392,399.)

1,618,017. (See 1,231,764.)

1,620,658, 1,752,983, W. F. Herold, Caster, D. C., N. D. Ill., E. Div., Doc. 15476, *The Bassick Co.* v. *Faultless Caster Corp.* Dismissed as to 1,620,658 Apr. 18, 1938. Claims 3 and 4 of 1,752,983 held valid and infringed, injunction May 24, 1938. Decree reversed July 18, 1939.

1,702,833. (See 1,231,764.)

1,721,530, J. Schick, Shaving implement; 1,747,031, 1,757,978, same, Shaving machine, D. C., S. D. Calif., C. Div., Doc. E 1270–H, *Schick Dry Shaver, Inc., et al.* v. *Ray, Inc., et al.* Dismissed Sept. 12, 1939.

1,728,879. (See 1,251,377.) 1,747,031. (See 1,721,530.)

1,752,983. (See 1,620,658.) 1,757,978. (See 1,721,530.)

1,769,611, H. Warp, Waterproof fabric and method of making same; T. M. 206,256, Flex-O-Glass Mfg. Co., Transparent waterproof oiled cloth for covering tents, porches, etc., filed Sept. 21, 1939, D. C., N. D. Ill., E. Div., Doc. 964, *H. Warp (Flex-O-Glass Mfg. Co.)* v. *H. Warp et al. (Sol-O-Lite Mfg. Co.)*.

1,784,605, J. P. Lynn, Clip; 2,134,568, same, Mechanical pencil, filed Sept. 22, 1939, D. C., N. D. Ill., E. Div., Doc. 969, *Dur-O-Lite Pencil Co.* v. *Autopoint Co.*

1,787,032, R. B. Benjamin, Fixture construction; 1,834,318, P. D. Phillips, Lighting fixture construction, D. C., N. D. Ill., E. Div., Doc. 15903, *Benjamin Electric Mfg. Co.* v. *Bright Light Reflector Co., Inc., et al.* Dismissed (memorandum opinion states patents to be invalid) July 25, 1939.

1,787,032. (See 1,784,605.) 1,811,095. (See 1,231,764.)

1,819,441, H. R. Rafton, Paper product and method of making same; 1,831,928, same, Method for the elimination of foam in paper manufacture and product thereof; 1,848,659, same, Manufacture of paper, D. C., E. D. Pa., Doc. 7805, *Raffold Process Corp.* v. *The Curtis Publishing Co.* Stipulation of counsel dismissing bill with prejudice Sept. 28, 1939.

1,820,867, 1,963,778, H. R. Crowder, Transfer sheet and method of making same, D. C., N. D. Ill., E. Div., Doc. 13392, *H. R. Crowder et al.* v. *R. M. Armour et al. (National Screentone Co.)*. Decree of Mar. 11, 1938 vacated; claim 15 of 1,820,867 and claims 7 and 8 of 1,963,778 held valid and infringed, injunction July 25, 1939.

1,825,736, Klein & Szegvari, Method for the production of rubber goods directly from latex; 1,996,051, D. F. Twiss, Method and form for manufacturing rubber goods from an aqueous dispersion of rubber; 1,908,719, E. A. Willson, Method for making shaped rubber articles; 1,924,214, E. B. Newton, Method of making articles from rubber dispersions, filed Sept. 27, 1939, D. C., N. D. Ohio, W. Div., Doc. 4405, *American Anode, Inc.*, v. *The Pioneer Rubber Co.*

1,831,928. (See 1,819,441.) 1,834,318. (See 1,787,032.)

1,848,659. (See 1,819,441.) 1,854,107. (See 1,392,399.)

1,894,020. (See 1,392,399.) 1,908,710. (See 1,825,736.)

1,924,214. (See 1,825,736.) 1,927,973. (See 1,584,929.)

1,937,190. (See 1,392,399.) 1,949,242. (See 1,392,399.)

1,963,778. (See 1,820,867.)

1,980,445, M. Sherover, Mattress; 1,994,234, same, Air ventilated sanitary mattress, D. C., S. D. N. Y., Doc. 3/272, *M. Sherover* v. *John Wanamaker*. Dismissed with prejudice (notice Sept. 30, 1939).

1,994,234. (See 1,980,445.) 1,996,051. (See 1,825,736.)

2,005,477, G. P. Schmitt, Lighter; 2,023,400, Andrews & Aaron, Cigarette lighter, D. C., N. D. Ill., E. Div., Doc. 685, *The Locktrolite Corp.* v. *Mandel Bros., Inc.* Discontinued July 22, 1939.

2,017,820. (See 1,448,709.) 2,023,400. (See 2,005,477.)

2,039,396. (See 1,584,929.) 2,048,423. (See 1,584,929.)

2,057,139. (See 2,140,420.)

2,071,635. (See Re. 16,431.)

2,080,162. (See Re. 16,431.)

2,134,568. (See 1,784,605.)

2,140,420, E. J. Eaddy, Method of cleaning textile machinery; Re. 20,917 (of 2,057,139), same, Means for cleaning textile machinery, filed Sept. 28, 1939, D. C., W. D. S. C. (Greenville), Doc. 59, *E. J. Eaddy* v. *J. C. Paddock et al.*

2,144,661, A. W. Nelson, Bail attaching means; Des. 102,953, same, Kettle, filed Aug. 12, 1939, D. C., N. D. Ill., E. Div., Doc. 852, *Columbian Enameling & Stamping Co., Inc.*, v. *Hibbard, Spencer, Bartlett & Co. et al.*

2,150,623. (See Re. 16,431.)

2,150,864. (See Re. 16,431.)

Re. 16,431, H. E. Kratzer, Process of baking bread and apparatus therefor; 2,080,162, Bradley & Watson, Method of baking; 2,071,635, J. F. Korda, same; 2,150,623, J. G. Jackson, Multiple unit hearth bread baking pan; 2,150,864, R. C. Oltman, Hearth bread pan, filed Sept. 23, 1939, D. C., S. D. Ohio, W. Div., Doc. 111, *The Edward Katzinger Co.* v. *The Lockwood Mfg. Co.*

Re. 16,674. (See 1,392,399.)

Re. 18,123, W. L. Morris, Grease feeder, D. C., N. D. Ill., E. Div., Doc. 14002, *The Lubrication Corp. et al.* v. *J. R. Le Vally et al.* Dismissed Aug. 17, 1939.

Re. 18,579. (See 1,231,764.)

Re. 20,917. (See 2,140,420.)

Des. 102,953. (See 2,144,661.)

T. M. 13,064, C. Conrad & Co., Lager beer; T. M. 64,125, Anheuser-Busch, Inc., Beer, filed Sept. 13, 1939, D. C., N. D. Ill., E. Div., Doc. 932, *Anheuser-Busch, Inc.*, v. *Manhattan Brewing Co.*

T. M. 64,125. (See T. M. 13,064.)

T. M. 98,309, E. Myers Lye Co., Powdered lye; T. M. 102,979, same, Lye, D. C., N. D. Ill., E. Div., Doc. 16029, *E. Myers Lye Co.* v. *Bray Chemical Co.* Dismissed on motion of plaintiff Aug. 28, 1939.

T. M. 102,979. (See T. M. 98,309.)

T. M. 206,256. (See 1,769,611.)

T. M. 237,646, American Brake Materials Corp., Brake shoes; T. M. 296,390, T. M. 270,256, same, Composition frictional elements for brakes; T. M. 351,017, T. M. 351,016, American Brakeblok Corp., Belts, hose and shaft coupling; T. M. 362,651, The American Brake Shoe & Foundry Co., Belting, hose, machinery packing, and nonmetallic tires, filed Aug. 14, 1939, D. C., N. D. Ill., E. Div., Doc. 853, *The American Brake Shoe & Foundry Co.* v. *Emsco Asbestos Co. et al.*

T. M. 270,256. (See T. M. 237,646.)

T. M. 296,390. (See T. M. 237,646.)

T. M. 343,385, Chapin & Gore, Inc., Whiskey, D. C., N. D. Ill., E. Div., Doc. 363, *Chapin & Gore, Inc.*, v. *C. O. C. Distributing Co.* Defendant enjoined June 28, 1939.

T. M. 351,016. (See T. M. 237,646.)

T. M. 351,017. (See T. M. 237,646.)

T. M. 362,651. (See T. M. 237,646.)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,089,484, J. O. Kleber, Sound recording apparatus, decided December 4, 1939, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11.

Pat. 2,116,822, S. L. Berger, Undergarment, decided December 6, 1939, claims 1 and 2.

Pat. 2,146,160, H. C. Schlicker, Hairdressing tool, decided December 2, 1939, claim 2.

Disclaimers

Re. 18,390.—*Welch, Jack T.*, San Diego, Calif. ARTIFICIAL MINNOW. Patent dated March 22, 1932. Disclaimer filed December 4, 1939, by the assignee, *James Heddon's Sons.*

Hereby enters this disclaimer as to matters which might otherwise be interpreted as being within the scope of the claims of said patent, to-wit:

Each of the claims of said patent is directed to a bait body of sufficiently transparent material to transmit light during daylight fishing conditions from beyond and through the body of the bait, and having on the exterior surface of the body of the bait an interrupted pattern which is itself relatively opaque, so that natural daylight will pass freely through only those portions of the body which omit the surface pattern, the surface pattern

affording interruptions to create a varied optical effect under natural illumination present only during daylight fishing conditions; and hereby expressly disclaims all night fishing baits which are illuminated from the interior and which do not conform to the requirements above enumerated.

2,046,256.—*Horace H. Fisher*, Salt Lake City, Utah. METHOD AND APPARATUS FOR LIBERATING AIR FROM RECEPTACLES CONTAINING CARBONATED BEVERAGES. Patent dated June 30, 1936. Disclaimer filed December 2, 1939, by the assignee, *Crown Cork & Seal Company, Inc.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, and 7 in said specification.

2,137,642.—*John F. Cavanagh*, Providence, R. I. FASTENER-APPLYING IMPLEMENT. Patent dated November 22, 1938. Disclaimer filed November 28, 1939, by the assignee, *Boston Wire Stitcher Company*; the inventor, consenting.

Hereby enters this disclaimer to claims 5, 9, 15, and 16 in said specification.

2,159,731.—*Werner Buschbeck* and *Hans Prost*, Berlin, Germany. NEUTRALIZING HIGH-FREQUENCY PUSH-PULL AMPLIFIERS. Patent dated May 23, 1939. Disclaimer filed December 1, 1939, by the assignee, *Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H.*

Hereby enters this disclaimer to the three claims in said patent.

2,178,975.—*Christian H. Specht*, Los Angeles, Calif. CANOPY CONSTRUCTION. Patent dated November 7, 1939. Disclaimer filed December 4, 1939, by the patentee.

Hereby enters this disclaimer to claims 1 and 4 of said patent.

Adjudicated Patents

(D. C. Pa.) Schulze patent, No. 1,448,709, for art of oil distillation, claims 13 to 16, 25, 27, 28, 32, 33 to 36, 38, 40, 42, 43, and 45 to 49 *Held* invalid. *Red River Refining Co.* v. *Sun Oil Co.*, 29 F. Supp. 636.

(C. C. A. Mich.) Schmid patent, No. 1,461,586, for level-wind fish reel, claims 10 and 11 *Held* invalid. *Enterprise Mfg. Co.* v. *Shakespeare Co.*, 106 F.(2d) 800.

(C. C. A. Mich.) Case patent, No. 1,579,076, for fishing reel, claims 8 to 11, inclusive, 22, 23, and 27 *Held* valid and infringed. *Id.*

(C. C. A. Mich.) Case patent, No. 1,637,437, for fishing reel, claims 11, 16, and 17 *Held* invalid. *Id.*

(D. C. Pa.) Ryder patent, No. 1,727,380, for distillation process, claims 13 to 17 *Held* invalid. *Red River Refining Co.* v. *Sun Oil Co.*, 29 F. Supp. 636.

(C. C. A. Mich.) Pflueger patent, No. 1,871,386, for fishing reel, claims 3 and 4 *Held* invalid. *Enterprise Mfg. Co.* v. *Shakespeare Co.*, 106 F.(2d) 800.

(C. C. A. Mich.) Adams patent, No. 1,932,360, for fishing reel, claims 6 to 11, inclusive, *Held* invalid. *Id.*

(D. C. Pa.) Schulze patent, No. 2,017,820, for mineral oil distillation, claims 19, 20, 22, 23, and 25 *Held* invalid. *Red River Refining Co.* v. *Sun Oil Co.*, 29 F. Supp. 636.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING NOVEMBER, 1939

THOMAS PUBLISHING COMPANY *v.* HARVEY & HOWE, INC., Opposition No. 17,116.

In a decision rendered November 9, 1939 (163 Ms. Dec. 404, 43 U. S. P. Q. 255), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of Thomas Publishing Company, of New York, N. Y., to the application of Harvey & Howe, of Chicago, Ill., for registration of a trade-mark for "a publication of reading matter of interest to the home economics profession, published monthly."

Observing that the applicant's mark consists in the letters "H & H", distinctively arranged as a monogram, and displayed in association with the notation "What's New in Home Economics", and that the opposer relied on two registered marks, only one of which, however, was in use before the date of first use established by applicant of the mark sought to be registered, the Assistant Commissioner pointed out that because of its late adoption opposer's second mark was properly disregarded by the Examiner, and that the mark to be considered is the title of opposer's periodical, "Industrial Equipment News", beneath which are printed in smaller type the words "What's New." He then quoted from the Examiner's decision to the effect that while the goods of the parties are closely related they are not competitive in nature, and noted that the Examiner was of the opinion that the marks of the parties may be used upon their respective publications "without reasonable likelihood of confusion", and said:

"Considering the marks as entireties, I am constrained to agree with the Examiner's conclusion. The titles of the two publications so clearly identify their subject matter that I am unable to believe the common descriptive phrase 'What's New', occurring as it does at the beginning of applicant's mark and at the end of opposer's, is of sufficient significance to render the marks confusingly similar."

GROCERY PRODUCTS MANUFACTURING CORPORATION *v.* MODERN HEALTH PRODUCTS, INC., Opposition No. 17,475.

In a decision rendered November 16, 1939 (163 Ms. Dec. 406, 43 U. S. P. Q. 281), *Assistant Commissioner Frazer* held that Modern Health Products, Inc., of Milwaukee, Wis., is not entitled to register the notation "Bokay Broth", with a disclaimer of the word "Broth", for which use was claimed since July 2, 1937, as a trade-mark for "an herbal and food compound composed of herbs and vegetables to be used as a broth" in view of the opposition of Grocery Products Manufacturing Corporation, of Union City, N. J., owner of the trade-mark "Kitchen Bouquet", registered September 5, 1905, under the ten-year proviso of the act of February 20, 1905, for "coloring and flavoring extracts", and extensively used with a liquid preparation for flavoring and coloring soups, gravies, etc.

Agreeing with the Examiner of Interferences that the goods of the parties are of the same descriptive properties and that their marks are confusingly similar, the Assistant Commissioner said:

"That the goods are of the same descriptive properties, within the meaning of the Trade-Mark Act, seems obvious. They are not identical, of course, but they are very closely related, and may easily be confused as to origin if sold under similar trade-marks.

"It also seems obvious that applicant's mark is dominated by the word 'Bokay', and opposer's by the word 'Bouquet.' Applicant argues that this latter word is descriptive of opposer's goods, but descriptiveness is permissible in a mark registered under the ten-year proviso. Moreover the validity of an opposer's registered trade-mark is not open to question in a proceeding of this character, so that neither the alleged descriptiveness of this mark nor the alleged prior use by others of similar marks, to which applicant has referred, is material here. It may properly be noted, however, that if 'Bouquet' is descriptive of opposer's goods, 'Bokay' is equally descriptive of applicant's goods, and hence should not be registered."

J. C. YOCHIM & CO., INC., *v.* OLDETYME DISTILLERS, INC., Trade-Mark Interference No. 2689.

In a decision rendered November 17, 1939 (163 Ms. Dec. 409, 43 U. S. P. Q. 356), *Assistant Commissioner Frazer* reversed the decision of the Examiner of Interferences awarding priority of use to the junior party in interference, J. C. Yochim & Co., Inc., of New Orleans, La., and adjudging it to be entitled to register the trade-mark "Three Feathers" for whisky.

Observing that the junior party conceded that its own first use of the mark was subsequent to that of the senior party, Oldetyme Distillers, Inc., of New York, N. Y., but that the junior party claimed to have established priority through use by its alleged predecessors in interest, the Assistant Commissioner said:

"The mark in issue was first employed and registered by a partnership known as H. & H. W. Catherwood. In 1919 this partnership, which then consisted of two members, namely, Wilson Catherwood and Magnus H. Brown, disposed of its assets, wound up its affairs, and discontinued business. Brown died in 1922, and Catherwood died in 1925. The last of the firm's registrations of the 'Three Feathers' trade-mark expired in 1927."

He then quoted extensively from the record and pointed out that it has frequently been held by the courts that a trade-mark may legally be transferred only in connection with the transfer of an existing business. He noted that the most recent expression of the United States Court of Customs and Patent Appeals in that regard occurred in *Kelly Liquor Co.* v. *National Brokerage Co.*, 26 C. C. P. A. 1110, 102 F.(2d) 857, and said:

"The cited case is authority for the proposition that nonuse of a mark for alcoholic liquors during the period of prohibition did not necessarily constitute abandonment. Here, however, the record is conclusive that the 'Three Feathers' trade-mark was in fact abandoned by the Catherwood firm when it discontinued business in

1919. And while such abandonment was doubtless impelled by the prospect of prohibition, that fact does not nullify the clear intent of the partners.

"When the sale of liquor was again legalized in the United States the use of the trade-mark in issue was subject to appropriation by the firstcomer. As between the parties to this proceeding that was Oldetyme Distillers, Inc."

SCHERING & GLATZ, INC., *v.* JOHN C. BENSON, Cancellation No. 3363.

In a decision rendered November 17, 1939 (163 Ms. Dec. 408, 43 U. S. P. Q. 283), *Assistant Commissioner Frazer* granted the petition of Schering & Glatz, Inc., of New York, N. Y., to cancel trade-mark registration No. 353,695, issued January 11, 1938, under the provisions of the act of March 19, 1920, to the party John C. Benson.

Noting that respondent's mark is the word "Ano" and that his goods are described in the registration as "rectal suppositories", and that petitioner is the owner of the trade-mark "Anusol", registered April 15, 1930, under the provisions of the act of February 20, 1905, for the same merchandise, the Assistant Commissioner pointed out that the only question to be determined is whether or not these two marks, when applied to such goods, are so nearly similar as to be likely to cause confusion, and said:

"'Ano' is not only the Spanish equivalent of the English word 'anus', but is also an English combining form for that word. In meaning at least the two marks are thus substantially identical, respondent having merely dropped the letters 'ol' from petitioner's mark and appropriated the balance. In sound and appearance they are less similar, but even in these respects I think the resemblance is sufficiently close to cause some degree of confusion."

PARAMOUNT PAPER PRODUCTS CO., INC., *v.* THE DOBECKMUN COMPANY, Opposition No. 17,494.

In a decision rendered November 17, 1939 (163 Ms. Dec. 407, 43 U. S. P. Q. 282), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of Paramount Paper Products Co., Inc., to the application of The Dobeckmun Company for registration of the notation "Vis-O-Wrap", with a disclaimer of the word "Wrap", as a trade-mark for wrappers made of paper and transparent sheeting.

After observing that opposer is the owner of the registered trade-mark "Visualized", appropriated to merchandise of the same descriptive properties, and pointing out that the only question for determination was whether this mark and applicant's are so nearly similar as to be likely to cause confusion, the Assistant Commissioner said:

"As registered, opposer's mark includes the picture of an eye interposed between the word 'visual' and the suffix 'ized.' This feature adds distinctiveness to the appearance of the mark, but even in its absence I am of the opinion that the word 'Visualized' and the notation 'Vis-O-Wrap' do not look alike, nor do I think they are similar in sound or in significance."

MAGGI CO., INC., *v.* S. SUZUKI & COMPANY OF NEW YORK, LTD., Oppositions No. 17,651 and No. 17,652.

In a decision rendered November 30, 1939 (163 Ms. Dec. 412, 43 U. S. P. Q. 418), *Assistant Commissioner Frazer* affirmed the decisions of the Examiner of Interferences sustaining the oppositions of Maggi Co., Inc., of Zurich, Switzerland, to two applications for trade-mark registration filed by S. Suzuki & Company of New York, Ltd., of New York, N. Y.

Observing that applicant's mark is the notation "aji", either alone or in association with a design, used since August 3, 1937 for "seasoning powders", and that the oppositions were predicated upon opposer's ownership of the registered marks "Maggi" and "Maggis", extensively used since 1895 in connection with a liquid seasoning, the Assistant Commissioner agreed with the applicant that the only question at issue was whether "aji", as used upon applicant's seasoning product, is likely to be confused (because of similarity in form, appearance, or sound) wth "Maggi" or "Maggis" as used by opposer, and said:

"It appears from the record that the word 'Maggi' is an Italian surname, and that in that language it is pronounced as though spelled with a single 'g', as in 'magic.' This pronunciation is not universal among opposer's customers, but certainly it is employed by those of Italian extraction. If applicant's notation 'aji' is pronounced with a short 'a' and a short 'i', as applicant concedes it may be, the resulting sound is thus the same as that of opposer's mark, save for the initial 'M'.

"I agree with applicant that there is but slight resemblance between the marks in any other respect, but in sound I think they are too nearly similar to be used without some likelihood of confusion on goods so nearly identical as those here involved. And that sound alone may be of controlling importance in determining the question of confusing similarity between trade-marks is now well established. *In re Dutch Maid Ice Cream Co.*, 25 C. C. P. A. 1009, 95 Fed.(2d) 262; *Marion Lambert, Inc.*, v. *O'Connor*, 24 C. C. P. A. 781, 86 Fed.(2d) 980."

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 26, 1939

[VOL. 509. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 399,953. CHAMCO TRADING CORPORATION, New York, N. Y., assignor to The Pozzorite Corporation, New York, N. Y., a corporation of Delaware. Filed Nov. 20, 1937.

PUMITE

For Volcanic Pozzolana.
Claims use since Oct. 8, 1937.

Ser. No. 424,751. MANUFACTURERS CHARCOAL COMPANY, Bradford, Pa. Filed Oct. 20, 1939.



For Charcoal.
Claims use since Sept. 1, 1937.

Ser. No. 425,286. MIDWEST SMOKELESS FUEL CORPORATION, St. Louis, Mo. Filed Nov. 6, 1939.

SOLARITE

For Processed Coal Fuel.
Claims use since Oct. 31, 1939.

CLASS 2

Receptacles

Ser. No. 424,349. GENERAL MILLS, INC., Minneapolis, Minn. Filed Oct. 9, 1939.

VITASURED

For Cartons of Paper or Cardboard for Cereals and Flour, Said Cartons Being Sold Empty in Trade.
Claims use since Oct. 2, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 421,881. HYLO COMPANY, INCORPORATED, Houston, Tex. Filed July 24, 1939.

HyLo

For Cleansing Compounds for General Household Cleaning Purposes.
Claims use since Apr. 5, 1939.

Ser. No. 424,216. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Filed Oct. 4, 1939.

DRYLITE

For Detergent Compound Used in Laundering, Desizing, Degreasing, or Desoiling of Textiles and General Cleaning.
Claims use since Aug. 8, 1939.

Ser. No. 424,990. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Oct. 28, 1939.

MOHAWK FLINT

No claim is made to the word "Flint" apart from the mark.
For Coated Abrasives.
Claims use since May 9, 1919.

Ser. No. 425,038. THE ARMAND CO., Des Moines, Iowa. Filed Oct. 30, 1939.

LAST WORD

For Shaving Cream.
Claims use since Aug. 1, 1939.

CLASS 5

Adhesives

Ser. No. 422,858. MENDEX CORPORATION, Cleveland, Ohio. Filed Aug. 22, 1939.

MENDEX

For Fabric Patching Kits Comprising Thermoplastic Material and Cutting Guides Therefor.
Claims use since July 10, 1939.

Ser. No. 425,570. HOMASOTE COMPANY, INC., Fernwood, N. J. Filed Nov. 13, 1939.

SOTE

For Glue.
Claims use since Oct. 15, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 409,917. JEAN FERRELL, INC., Chicago, Ill. Filed Aug. 24, 1938.

Jean Ferrell

CONCENTRA

The name "Jean Ferrell" is disclaimed apart from the mark.
For Certain Laxative Compound, Being a Combination of Dehydrated Herbs and Roots Consisting of Soya Bean Meal, Irish Sea Moss, Powdered Rhubarb Root, Gravel Plant "Mayflower", and Dehydrated Cranberries, in Powder Form Enclosed in a Gelatin Capsule.
Claims use since Feb. 5, 1935.

Ser. No. 418,912. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed May 1, 1939.

CHIP-PROOF

For Lipstick, Rouge, Face Powder, Eyelash and Eyebrow Mascara, Pads Impregnated with Deodorant and Anti-Perspirant Lotion, Creams For the Hands and Face, Cleansing Pads Impregnated with Lotion, Preparations For Skin, Hair and Finger Nails, and Perfumes.
Claims use since Mar. 18, 1938.

Ser. No. 419,747. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed May 24, 1939.

ESCO

For Embalming Supplies—Namely, Pre-Injection, Main Arterial, and Cavity Fluids, Hardening and Preserving Mixtures, Tissue Filler Liquid Preservatives, Jaw Set, Lip and Eye Sealer, Deodorants, Smelling Salts, Styptic Powder; Beauty Preparations—Namely, Skin Preservers, Beauty and Massage Cream, Face Cream, Finishing Powders, Tinting Spray, Retouching Sets Containing Cosmetics; and Grass Stain.
Claims use since Aug. 1, 1896.

Ser. No. 420,540. PARFUMS CORDAY, INC., New York, N. Y. Filed June 15, 1939.

Possession

For Perfumes and Toilet Waters.
Claims use since June 2, 1939.

Ser. No. 420,741. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed June 21, 1939.



The trade-mark consists of the words "Palmolive Harvattan" on a label applied to a bottle of the character shown in the drawing. The representation of the bottle per se is disclaimed and the word "Harvattan" is disclaimed apart from the mark shown.
For Hair Lotion.
Claims use since May 18, 1939.

Ser. No. 420,991. DRUG PRODUCTS, INCORPORATED, Newark, N. J. Filed June 27, 1939.

"PILEMASTER"

For Pile Medicine.
Claims use since May 5, 1939.

Ser. No. 422,602. SEVEN SMITH BROTHERS, INC., Fair Haven, Vt. Filed Aug. 14, 1939.



The portraits are those of Walter J. Smith, Bernard J. Smith, Harold V. Smith, Francis J. Smith, William A. Smith, George G. Smith, and Arthur E. Smith.
For Shampoo.
Claims use since July 29, 1939.

Ser. No. 423,011. NATIONAL ACCESSORIES STORES INC., Utica, N. Y. Filed Aug. 24, 1939.

FRIGID ZONE

For Anti-Freezing Solution for Automobiles.
Claims use since Aug. 14, 1939.

Ser. No. 423,448. CHESTER M. WAY, doing business as STEEP-A-LAX COMPANY, Burlington, Vt. Filed Sept. 8, 1939.

STEEP-A-LAX

For Laxative Tea.
Claims use since Aug. 22, 1939.

Ser. No. 423,484. LOBICA, INCORPORATED, New York, N. Y. Filed Sept. 8, 1939.

ANAPA

For Medicinal Preparation To Be Used for the Treatment of Nervous Ailments and as a Sedative.
Claims use since March, 1938.

Ser. No. 423,697. BURLEY A. DANIELS, doing business as Nu-Life Hair Growing System, Beverly Hills, Calif. Filed Sept. 18, 1939.

NU-LIFE

The term "Nu-Life" is disclaimed apart from the mark.
For Hair Conditioning Preparation.
Claims use since Feb. 1, 1935.

Ser. No. 423,706. ALBERT MONK, Los Angeles, Calif. Filed Sept. 18, 1939.

PAROX-EASE

The word "Ease" is disclaimed apart from the mark.
For Preparation for the Treatment of Paroxysms of Bronchial Asthma and Paroxysms of Hay Fever.
Claims use since Oct. 15, 1935.

Ser. No. 423,708. ROSCOE M. NICHOLSON, doing business as Nicholson Chemical Co., Los Angeles, Calif. Filed Sept. 18, 1939.

QUIT-IT

For Liquid Medicine to Put on Children's Fingers to Overcome Thumb Sucking and Stop Nail Biting.
Claims use since Jan. 31, 1939.

Ser. No. 423,729. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort on the-Main, Germany. Filed Sept. 19, 1939.

AKOROL

For Rust Proofing Agents and Corrosion Inhibitors.
Claims use since July 28, 1939.

Ser. No. 423,730. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on the-Main, Germany. Filed Sept. 19, 1939.

AKOROLIT

For Rust Proofing Agents and Corrosion Inhibitors.
Claims use since July 28, 1939.

Ser. No. 424,190. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Oct. 4, 1939.

CHEN YU

For Lipstick, Rouge, Face Powder, Eyelash and Eyebrow Mascara, Pads Impregnated With Deodorant and Anti-Perspirant Lotion, Creams for the Hands and Face, Cleansing Pads Impregnated With Lotion, Preparations for Skin, Hair, and Finger Nails, and Perfumes.
Claims use since June 13, 1938.

Ser. No. 424,192. CENCI BROTHERS, doing business as Feminine-Aid Co., Fresno, Calif. Filed Oct. 4, 1939.

Femid

For Antiseptic and Cleansing Preparation in Powder Form and in Tablet Form for Use in Solution as a Douche.
Claims use since Aug. 20, 1938.

Ser. No. 424,201. LUCIEN LELONG, INC., Chicago, Ill. Filed Oct. 4, 1939.

BALALAIKA

For Perfume.
Claims use since Sept. 28, 1939.

Ser. No. 424,208. SCHERING CORPORATION, Bloomfield, N. J. Filed Oct. 4, 1939.

PRANONE

For Medicinal Preparation Recommended Primarily in Cases of Hormone Deficiencies in the Female Sex Cycle.
Claims use since Sept. 12, 1939.

Ser. No. 424,210. SHERCO PRODUCTS CORPORATION, Syracuse, N. Y. Filed Oct. 4, 1939.

Garbex

For Garbage Deodorant and Disinfectant, Insect and Animal Repellent, Having Incidental Cleansing Properties.
Claims use since Sept. 25, 1939.

Ser. No. 424,247. JOSEPH M. TRIPODI, New York, N. Y. Filed Oct. 5, 1939.

Nci Nci

For Stomach Bitters.
Claims use since Sept. 28, 1939.

Ser. No. 424,316. E. R. SQUIBB & SONS, New York, N. Y. Filed Oct. 7, 1939.

GRANAYA

For Laxative Preparation.
Claims use since Sept. 29, 1939.

Ser. No. 424,364. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Oct. 9, 1939.

SYNAPOIDIN

For Preparation Used in the Treatment of Retarded or Impaired Sexual Development and Function.
Claims use since Sept. 7, 1939.

Ser. No. 424,386. COSMETICS, INCORPORATED, St. Paul, Minn. Filed Oct. 10, 1939.

Julianne OF HOLLYWOOD

No claim is made to the term "Hollywood" apart from the mark.
For General Line of Cosmetics, Toiletries, and Toilet Lotions—Namely, Face Creams, Face Powder, and Talcum Powder.
Claims use since 1935.

Ser. No. 424,387. DELETTREZ, INC., Long Island City, N. Y. Filed Oct. 10, 1939.

BRIDAL WREATH

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs; Skin Whitener in Liquid, Cream, and Solid Forms; Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Lip Stick Removers, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Sept. 11, 1939.

Ser. No. 424,410. SAMUEL RUBIN, New York, N. Y. Filed Oct. 10, 1939.

STRAWHAT

For Perfume.
Claims use since Oct. 2, 1938.

Ser. No. 424,439. NIAGARA SPRAYER AND CHEMICAL CO., INC., Middleport, N. Y. Filed Oct. 11, 1939.

KOLOFIX

For Insecticidal Composition for Use on Plants.
Claims use since Apr. 24, 1939.

Ser. No. 424,816. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Oct. 23, 1939.

MANADEL

For Flavored Preparation of Calcium Mandelate Powder for the Treatment of Urinary Infections.
Claims use since Oct. 12, 1939.

Ser. No. 424,950. BARKER, MOORE & MEIN COMPANY, Philadelphia, Pa. Filed Oct. 27, 1939. Under section 5b of the act of 1905 as amended in 1920.

BARKER'S

For Ointment for Cuts, Scratches, Burns, Skin Irritations, and Piles; Lice Exterminator for Poultry; Disinfectant for Animals, Poultry, Dairy Barns, Stables, Poultry Houses and Coops, Kennels, and Household Use; Tape Worm Preparation for Poultry; Round Worm Preparation for Poultry; Intestinal Astringent for Poultry; Fly Spray for Animals; Household Spray for Use Against Flies, Moths, Ants, Roaches, Mosquitoes, Bedbugs, and Fleas; and Spray Inhalant for Poultry.
Claims use since about 1882; since about 1910 on ointment; since about 1915 on lice exterminator; since about 1916 on disinfectant; since about 1926 on tape worm preparation and round worm preparation; since about 1927 on intestinal astringent; since about 1932 on fly spray and household spray; and since about June, 1937, on spray inhalant.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 411,909. A. SALTO SOCIETA ANONIMA, Trieste, Italy. Filed Oct. 21, 1938.

Salto

For Cigarette Paper in Booklet and Tube Form.
Claims use since February, 1924.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 422,486. WILLIAM POWELL & SONS (GUNMAKERS) LIMITED, Birmingham, England. Filed Aug. 10, 1939. Under 10-year proviso.

WILLIAM POWELL & SON

For Sporting Guns and Rifles.
Claims use since 1845.

CLASS 11

Inks and Inking Materials

Ser. No. 424,681. COLUMBIA RIBBON & CARBON MANUFACTURING CO., INC., Glen Cove, N. Y. Filed Oct. 19, 1939.

ECONOMIQUE

For Carbon Paper and Typewriter Ribbons.
Claims use since 1918.

Ser. No. 424,772. CHARLES HELLMUTH PRINTING INK CORPORATION, New York, N. Y. Filed Oct. 21, 1939.

TRI-DIMENSIONAL

For Printing and Lithographic Inks.
Claims use since Mar. 28, 1938.

CLASS 12

Construction Materials

Ser. No. 421,638. A. M. CASTLE & CO., Chicago, Ill. Filed July 17, 1939.

CASTLE

For Fabricated Structural Shapes, Designed for Specific Use as Construction Materials—Namely, Structural Angles, Beams, Bars, Caps, Channels, Columns, Frames, Plates, Hot Roll Carbon and Alloy Steels, Cold Rolled Carbon and Alloy Steels, Stainless Sheets, Strips and Bars, Copper Bars and Sheets.
Claims use since June 1, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 423,510. LEONARD W. SAINE, Orlando, Fla. Filed Sept. 11, 1939.

SUPERFLEX

For Cast Iron Pipe and Pipe Fittings.
Claims use since July 21, 1939.

Ser. No. 424,456. ALUMINUM GOODS MFG. CO., Manitowoc, Wis. Filed Oct. 12, 1939.

ServOrole

For Base Metal Food Warmer and Server.
Claims use since Oct. 3, 1939.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 424,555. PITTSBURGH CRUCIBLE STEEL COMPANY, Midland, Pa. Filed Oct. 14, 1939.

CRUTIN

For Tin in Sheets, Strips, Plates, and Coils.
Claims use since Sept. 13, 1937.

Ser. No. 424,818. NORTHERN MALLEABLE IRON COMPANY, St. Paul, Minn. Filed Oct. 23, 1939.

NR

For Malleable Iron Castings.
Claims use since Aug. 15, 1917.

CLASS 15

Oils and Greases

Ser. No. 419,346. THE PETROL CORPORATION, Los Angeles, Calif. Filed May 12, 1939.

WHITE CAP

For Gasoline.
Claims use since May 1, 1939.

Ser. No. 424,238. MACMILLAN & CAMERON CO., Wilmington, N. C. Filed Oct. 5, 1939.

MACAM PENN

The word "Penn" is disclaimed apart from the mark.
For Motor Oil.
Claims use since May 1, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 418,847. NATIONAL LEAD & OIL COMPANY OF PA., Pittsburgh, Pa. Filed Apr. 28, 1939. Under 10-year proviso.

FAHNESTOCK HASLETT & SCHWARTZ PITTSBURGH, PA.

For White Lead, Dry and in Oil.
Claims use since 1873.

Ser. No. 423,768. MOBILE PAINT MFG. COMPANY, INC., Mobile, Ala., and Wilmington, Del. Filed Sept. 20, 1939.

GULF COAST

For Paste Paint, Ready Mixed Paint, Paint Enamels, Floor and Deck Paint, Shingle Stain; Barn, Roof, and Bridge Paint; Aluminum Paint, Floor Varnishes, Spar Varnishes, Industrial Paints, Colors in Oil, Flat Wall Paints, Oil and Varnish Stains, and Marine Paints.
Claims use since June 8, 1932.

Ser. No. 424,281. VITA-VAR CORPORATION, Newark, N. J. Filed Oct. 6, 1939.

SUPRE-NAMEL

The suffix "Namel" is disclaimed apart from the mark.
For Dry, Paste, and Ready-Mixed Paints, Varnishes, and Paint Enamels.
Claims use since May 22, 1939.

Ser. No. 425,084. BINNEY & SMITH CO., New York, N. Y. Filed Oct. 31, 1939.

DRIAD

For Powder Paint for Poster Work, Color Sketches, and Decorative Designs.
Claims use since Sept. 14, 1939.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 419,748. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed May 24, 1939.

ESCO

For Casket Church Trucks, Casket Display Trucks, and Casket Pedestal Trucks.
Claims use since Aug. 1, 1896.

Ser. No. 422,438. BOEING AIRCRAFT COMPANY, Seattle, Wash. Filed Aug. 9, 1939.

STRATOLINER

For Airplanes and Structural Parts Thereof.
Claims use since Mar. 16, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 408,297. YANKEE METAL PRODUCTS CORP., Norwalk, Conn. Filed July 7, 1938.

TURN-KING

No claim is made to the syllable "Turn" apart from the mark.
For Vehicle Electric Directional Signals.
Claims use since July 1, 1938.

Ser. No. 418,672. ATMOZONE, Oregon City, Oreg. Filed Apr. 25, 1939.

ATMORAY

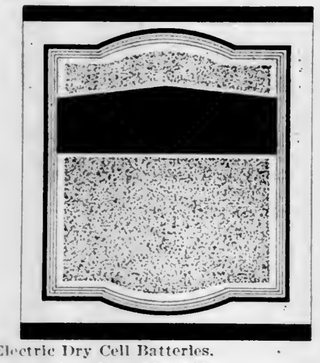
The specific color of yellow is not claimed.
For Electric Ozonizer.
Claims use since Sept. 15, 1936.

Ser. No. 420,185. PENN ELECTRIC SWITCH CO., Goshen, Ind. Filed June 5, 1939.

DRAFTENDER

For Electric Damper Motors.
Claims use since May 8, 1939.

Ser. No. 420,335. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed June 9, 1939.



For Electric Dry Cell Batteries.
Claims use since Mar. 23, 1929.

Ser. No. 422,072. ROSTONE CORPORATION, La Fayette, Ind. Filed July 28, 1939.

ROSITE

For Molded Articles of Electrical-Insulating Material, Both With and Without Imbedded Metal Parts, Used in Motor Starters, Circuit Breakers, Switches, and Thermostatic Controls and as Brush-Holder Studs, Cable Insulators, Contact Supports, Bus Bar Supports, and Connector Blocks.
Claims use since May 18, 1938.

Ser. No. 423,019. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, Bloomfield, N. J. Filed Aug. 25, 1939.

STERILAMP

For Vacuum or Gas-Filled Tubes Employed for the Generation of Radiations for Hastening the Tenderization of Meat, in Show Cases and Domestic Refrigerators to Prevent Formation of Molds, and for Killing Air-Borne Micro-Organisms in Hospital Operating Rooms to Reduce the Contamination Level of the Air.
Claims use since July 6, 1936.

Ser. No. 423,851. EICOR INC., Chicago, Ill. Filed Sept. 22, 1939.

EICOR

For Electric Dynamotors, Electric Motors, Rotary Electric Converters and Inverters, Electric Generators, Alternators, Gas Engine Driven Electric Generator Sets.
Claims use since Oct. 17, 1938.

Ser. No. 424,085. THE EDWIN F. GUTH COMPANY, St. Louis, Mo. Filed Sept. 30, 1939.

MORO-LITE

No claim is made to the word "Lite" apart from the mark.
For Electric Lighting Fixtures for Household and Commercial Installations.
Claims use since Aug. 22, 1939.

Ser. No. 424,177. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Oct. 3, 1939.

MINI-MAX

For Electric Dry Cell Batteries.
Claims use since Aug. 15, 1939.

Ser. No. 424,381. ELECTRIC SERVICE SYSTEMS, INCORPORATED, Minneapolis, Minn. Filed Oct. 7, 1939.

HoL-DeM

For Electric Fence Controllers.
Claims use since July 13, 1937.

Ser. No. 424,983. ALADDIN RADIO INDUSTRIES, INCORPORATED, Chicago, Ill. Filed Oct. 28, 1939.

ALADDINITE

For Magnetic Powder and Cores for Use with Inductive Windings for Radio and Allied Purposes.
Claims use since May 31, 1938.

Ser. No. 425,125. SQUARE D COMPANY, Detroit, Mich. Filed Nov. 1, 1939.

SUMPTROL

For Float Operated Electric Switches.
Claims use since Oct. 27, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 404,901. MORRIS C. LEVICH, Kansas City, Mo. Filed Apr. 5, 1938.

LEVICHS | HOLE IN ONE

The name "Levichs" is disclaimed apart from the mark.
For Ball Game.
Claims use since July 18, 1937.

Ser. No. 410,156. J. L. VOIGT, doing business as Voigt's Drug Store, Appleton, Wis. Filed Aug. 31, 1938.

DAILY DOUBLE

For True and False Question Games.
Claims use since Aug. 10, 1938.

Ser. No. 417,219. JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Mar. 18, 1939.

PUNKIN-SEED

For Fish Lures.
Claims use since Dec. 1, 1938.

Ser. No. 422,131. ELMER E. FOSTER, doing business as Fair-Play Manufacturing Company, Des Moines, Iowa. Filed July 31, 1939.

FAIR-PLAY

For Automatic Electric Game Timers or a Combination Automatic Electric Game Timer, Clock, and Scoreboard.
Claims use since Jan. 1, 1935.

Ser. No. 423,397. SHUFFLE-BOWL CORPORATION, New York, N. Y. Filed Sept. 2, 1939.

SHUFFLE-BOWL

For Combination Shuffleboard and Bowling Table Game.
Claims use since June 1, 1938.

Ser. No. 424,114. THE J. & E. STEVENS COMPANY, Cromwell, Conn. Filed Sept. 30, 1939.

-HI-
RANGER

For Toy Pistols.
Claims use since Sept. 22, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 411,502. LESLIE A. LAYNE, Houston, Tex. Filed Oct. 11, 1938.

A LIFE PRESERVER — THE LAYNE — Well Graveler — FOR Oil WELLS

The terms "Well Graveler" and "For Oil Wells" are disclaimed apart from the mark.
For Portable Machine for Use in Pressure Gravelling of Wells Such as Water and Oil Wells.
Claims use since Sept. 1, 1938.

Ser. No. 417,688. THE HAMILTON CORPORATION, Minneapolis, Minn. Filed Mar. 31, 1939.

PAR=X

For Liquid Pumps.
Claims use since Feb. 1, 1939.

Ser. No. 419,036. NEW ENGLAND TANK & TOWER COMPANY, Everett, Mass. Filed May 3, 1939.

NETT-CO
FLOMIX

For Agitating and Mixing Machinery Not Including Pumps, and Comprising Chambers or Containers of Different Shapes, and in Differing Relation to Each Other, and Acting, Sometimes With the Aid of an Agitator, to Change the Particle-Contacting Relation of the Materials to Each Other, for Agitating and Mixing Two or More Liquids, or Liquids and Gases, Alone or With Solid or Dry Materials, and Particularly With Respect to the Process of Cracking and Refining Gasoline.
Claims use since Apr. 15, 1939.

Ser. No. 420,977. SYNTRON COMPANY, Homer City, Pa. Filed June 26, 1939.

VIBRA-FLOW

The word "Flow" is disclaimed apart from the mark.
For Conveyors for Moving Powdered or Granular Material and Small Objects, and on Feeder Conveyors, Dry Feeder Machines, Weigh Feeder Machines With Timed Batch Discharge and Continuous Flow Discharge, and Gravimetric Feeders Employed for the Dry Feeding of Chemicals of Granular or Powdered Material in Water Treatment, Sewage Disposal and Other Industrial Processes.
Claims use since Jan. 17, 1937.

Ser. No. 421,682. VVE. TH. DUMONT FILS ET CIE., SUCC. DE TH. DUMONT FILS, Montignez, Switzerland. Filed July 17, 1939.

ROYAL

For Tweezers, Cutting Nippers, Flat Pliers, Tongs, Screw-Drivers, Files, Balance Screw-Holders for Use of Watchmakers.
Claims use since Aug. 1, 1936.

Ser. No. 422,506. FLEMING MANUFACTURING COMPANY, East Providence, R. I. Filed Aug. 11, 1939.

FRAM

For Ventilating Apparatus for the Crank Case of an Internal Combustion Engine Including Flexible Hose Lines.
Claims use since June 26, 1939.

Ser. No. 422,937. LEMPCO PRODUCTS, INC., Bedford, Ohio. Filed Aug. 24, 1939.

LP

For Water Pumps Suitable for Vehicles, Lathes, Mechanical, Electrical, and Hydraulic Presses, Cylinder Boring Machines, Line Boring Machines, Piston Grinders, Brake-Drum Grinders, Connecting Rod Grinders, Clutch Plate Grinders, Lapping Machines, Motor Block and Head Resurfacing Machines, Degreasing Machines, and Attachments and Parts Thereof.
Claims use since Jan. 19, 1929.

Ser. No. 423,563. KEEL & COMPANY, INC., Philadelphia, Pa. Filed Sept. 13, 1939.



The drawing is lined for blue. The representation of the brush per se is not claimed apart from the mark.

For Wire Machine Brushes for Retreading, Vulcanizing, and Tire Work Generally; Tire Groovers, Rasps, Branders, Air Line Regulators, and Buffers, All Machine Tools.

Claims use since Dec. 4, 1934.

Ser. No. 424,041. HUSSMANN-LIGONIER COMPANY, St. Louis, Mo. Filed Sept. 29, 1939.

Clipper

For Meat Choppers.
Claims use since Jan. 5, 1938.

Ser. No. 424,044. HUSSMANN-LIGONIER COMPANY, St. Louis, Mo. Filed Sept. 29, 1939.

Zephyr

For Coffee Mills.
Claims use since Jan. 5, 1938.

Ser. No. 424,080. CLEARING MACHINE CORPORATION, Chicago, Ill. Filed Sept. 30, 1939.



For Metal Working Presses and Parts Therefor.
Claims use since October, 1933.

Ser. No. 424,146. WALKER MANUFACTURING COMPANY, Racine, Wis. Filed Oct. 2, 1939.

Greyhound

For Automobile Jacks.
Claims use since Dec. 5, 1938.

Ser. No. 424,147. WALKER MANUFACTURING COMPANY, Racine, Wis. Filed Oct. 2, 1939.

ShopBoy

For Automobile Jacks.
Claims use since Dec. 5, 1938.

Ser. No. 424,225. DRAPER CORPORATION, Portland, Maine, and Hopedale, Mass. Filed Oct. 5, 1939.

X

For Looms.
Claims use since Jan. 12, 1938.

Ser. No. 424,226. DRAPER CORPORATION, Portland, Maine, and Hopedale, Mass. Filed Oct. 5, 1939.

XD

For Looms.
Claims use since Jan. 30, 1939.

Ser. No. 424,227. DRAPER CORPORATION, Portland, Maine, and Hopedale, Mass. Filed Oct. 5, 1939.

XK

For Looms.
Claims use since Feb. 2, 1938.

Ser. No. 424,228. DRAPER CORPORATION, Portland, Maine, and Hopedale, Mass. Filed Oct. 5, 1939.

XL

For Looms.
Claims use since Feb. 21, 1938.

Ser. No. 424,354. B. M. HULSH, doing business as Trojan Products & Mfg. Co., Chicago, Ill. Filed Oct. 9, 1939.

RUG-O-VATOR

Applicant disclaims the word "Rug" per se.

For Portable Cleaning Machines (Non-Electrical) Used to Scrub Floors, Wax Floors, Shampoo Rugs, and to Dye Rugs.

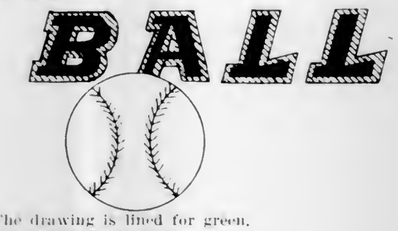
Claims use since Nov. 1, 1938.

Ser. No. 424,453. WRIGHT BROTHERS COMPANY, Lisbon, Ohio. Filed Oct. 11, 1939.

Sunny South

For Files.
Claims use since Sept. 29, 1939.

Ser. No. 424,481. HERMAN B. LAYMON, doing business as World's Products Company, Spencer, Ind. Filed Oct. 12, 1939.



The drawing is lined for green.
For Safety Razor Blades.
Claims use since Sept. 11, 1939.

Ser. No. 424,666. OLIVER FARM EQUIPMENT COMPANY, Chicago, Ill. Filed Oct. 18, 1939.

Raydex

For Plows, Plow Shares, and Parts Thereof.
Claims use since Mar. 1, 1939.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 411,351. GEORGE V. WOODLING, Cleveland, Ohio. Filed Oct. 6, 1938.

THERMOSATION

For Instrument For Giving a Measurement of the Human Body Comfort.
Claims use since Feb. 25, 1938.

Ser. No. 419,453. SPEEDTROL, INC., Lewistown, Pa. Filed May 15, 1939.



For Photo-Electrically Actuated Speed Control Device Designed For Use as Adjunct to Automotive Speedometers.
Claims use since Mar. 2, 1939.

Ser. No. 423,342. SHURON OPTICAL COMPANY, INC., Geneva, N. Y. Filed Sept. 6, 1939.

TECHNISCOPE

For Optical Instruments and Parts Thereof For Testing and Examining Eyes.
Claims use since Sept. 15, 1937.

Ser. No. 423,500. L. J. HOUZE CONVEX GLASS COMPANY, Point Marion, Pa. Filed Sept. 11, 1939.

NOX-RAY

For Glass Disks for Goggles.
Claims use since Feb. 13, 1939.

Ser. No. 423,902. S. JOSEPH DOWNING, New York, N. Y. Filed Sept. 23, 1939.

CHECK-A-PHONE

The word "Phone" is disclaimed apart from the mark. For Perpetual Calendar Telephone Call Tabulating Device.

Claims use since Feb. 10, 1939.

Ser. No. 424,020. N. P. BENSON OPTICAL COMPANY, INC., Minneapolis, Minn., assignor to Cosmet Corporation, Minneapolis, Minn., a corporation of Minnesota. Filed Sept. 29, 1939.

BENEDGE

For Eyeglass Lenses and Eyeglass Edge Finishes.

Claims use since Sept. 15, 1926.

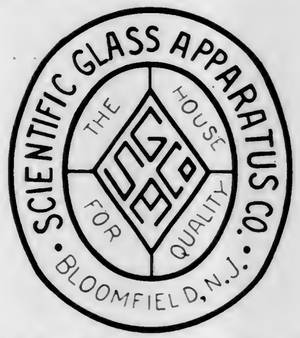
Ser. No. 424,021. N. P. BENSON OPTICAL COMPANY, INC., Minneapolis, Minn., assignor to Cosmet Corporation, Minneapolis, Minn., a corporation of Minnesota. Filed Sept. 29, 1939.

BROWLAC

For Eyeglass Lenses and Eyeglass Edge Finishes.

Claims use since Feb. 15, 1933.

Ser. No. 424,268. WILLIAM O. GEYER, doing business as Scientific Glass Apparatus Co., Bloomfield, N. J. Filed Oct. 6, 1939.



No claim is made to the expressions "Quality" and "Bloomfield, N. J.", apart from the mark.

For Glass Chemical Apparatus and Glass Scientific Appliances For Laboratory Uses.

Claims use since 1921.

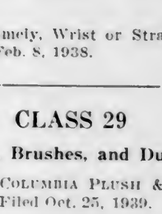
Ser. No. 424,269. WILLIAM O. GEYER, doing business as Scientific Glass Apparatus Co., Bloomfield, N. J. Filed Oct. 6, 1939.

NO LUB

For Ground Glass Joints, Stoppers and Stop-Cocks for Glass Chemical Apparatus and Glass Scientific Appliances for Laboratory Uses.

Claims use since Aug. 5, 1937.

Ser. No. 424,270. WILLIAM O. GEYER, doing business as Scientific Glass Apparatus Co., Bloomfield, N. J. Filed Oct. 6, 1939.



For Glass Chemical Apparatus and Glass Scientific Appliances for Laboratory Uses.

Claims use since 1921.

Ser. No. 424,607. SPEEDTROL, INC., Lewistown, Pa. Filed Oct. 16, 1939.

SPEEDTROL

For Photo-Electrically Actuated Speed Control Device Designed for Use as Adjunct to Automotive Speedometers.

Claims use since Mar. 2, 1939.

CLASS 27

Horological Instruments

Ser. No. 421,233. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed July 3, 1939.

HER EXCELLENCY

For Watches—Namely, Wrist or Strap Watches.

Claims use since Feb. 8, 1938.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 424,868. COLUMBIA PLUSH & PUFF CO., INC., New York, N. Y. Filed Oct. 25, 1939.

VELVET TONE

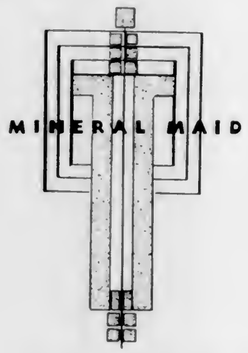
For Powder Puffs.

Claims use since December, 1934.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 419,655. ERNEST W. BRUNDIN, Montebello, Calif. Filed May 22, 1939.



For Receptacles—Namely, Urns, Pots, and Trays of Pottery Used for Growing Plants Without Soil.

Claims use since May 9, 1939.

CLASS 31

Filters and Refrigerators

Ser. No. 424,137. MID-WEST COOLERS, INC., St. Louis, Mo. Filed Oct. 2, 1939.

Stabilator

For Refrigerant-Separator-Recirculator Units.

Claims use since Nov. 29, 1938.

CLASS 32

Furniture and Upholstery

Ser. No. 424,635. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 18, 1939.



For Tables, Chairs, Buffets, Sideboards, China Closets, Bookcases, Desks, Beds, Springs, Mattresses, Bureaus, Vanity Tables, Chiffoniers, Chests of Drawers, and Venetian Blinds.

Claims use since June 1, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 424,932. THE STANDARD STOKER COMPANY, INC., New York, N. Y. Filed Oct. 26, 1939.

H-T

For Fuel Stokers.

Claims use since Nov. 2, 1933.

Ser. No. 424,972. PEERLESS MANUFACTURING CORP., Louisville, Ky. Filed Oct. 27, 1939.



For Stokers.

Claims use since Mar. 10, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 423,185. TARG & DINNER, INC., Chicago, Ill. Filed Aug. 31, 1939.



For Wind Musical Instruments—Namely, Clarinet, Flute, Junior Flute, and Piccolo.

Claims use since July 1, 1939.

Ser. No. 424,320. MILTON G. WOLF, Chicago, Ill. Filed Oct. 7, 1939.

Dur-A-Glo

For Musical Instrument Strings.

Claims use since June 1, 1938.

CLASS 37

Paper and Stationery

Ser. No. 422,794. HALCO PUBLISHING & MANUFACTURING COMPANY, INC., Hobart, Ind. Filed Aug. 21, 1939.

HALCO PUBLISHING & MANUFACTURING COMPANY-INC.-The HALCO

For Bookkeeping System of Account Books Having Columns for Income Tax, Social Security Records, etc., Including the Instructions Usually Bound Together in a Book That Is Sold as a Unit.
Claims use since October, 1937.

Ser. No. 423,491. COMMERCIAL STATIONERY & SUPPLY CO., Chattanooga, Tenn. Filed Sept. 11, 1939.

SOUTHERN CLIPPER

For Wood Encased Lead Pencils.
Claims use since May 12, 1939.

Ser. No. 424,096. MILWAUKEE LACE PAPER COMPANY, Milwaukee, Wis. Filed Sept. 30, 1939.

DURO-EDGE

The word "Edge" is not claimed apart from the mark.
For Shelf Paper.
Claims use since Aug. 16, 1939.

Ser. No. 424,864. THE BUCKEYE RIBBON & CARBON COMPANY, Cleveland, Ohio. Filed Oct. 25, 1939.

PLYON

For Manifolding and Copying Sheets.
Claims use since Sept. 22, 1939.

CLASS 38

Prints and Publications

Ser. No. 423,521. CHEMICAL BANK & TRUST COMPANY, New York, N. Y. Filed Sept. 12, 1939.

CHEMICAL BANK & TRUST COMPANY · NEW YORK · 1824

Applicant disclaims the words "New York" apart from the mark.
For Occasional Bulletins, Serial Publications, and Periodical Reports.
Claims use since June 29, 1929.

CLASS 39

Clothing

Ser. No. 406,069. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 6, 1938.

Marvel-Belt

The word "Belt" is disclaimed apart from the mark.
For Corsets.
Claims use since Dec. 23, 1935.

Ser. No. 418,706. THE ENRO SHIRT COMPANY, Louisville, Ky. Filed Apr. 26, 1939.

"Drury Lane"

For Collars Sold as Such.
Claims use since Dec. 18, 1933.

Ser. No. 420,391. SMART-MAID COAT CO. INC., New York, N. Y. Filed June 10, 1939.

Colleen

The word "Coats" is disclaimed apart from the mark.
For Ladies', Misses', Girls', and Children's Coats.
Claims use since May 1, 1938.

Ser. No. 422,150. THE PRENTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed July 31, 1939.

"The Townster"

For Women's Coats.
Claims use since May 26, 1939.

Ser. No. 422,296. JANE PRENDIVILLE, New York, N. Y. Filed Aug. 4, 1939.

PITTER PATTER

For Children's Dresses and Rompers.
Claims use since Oct. 5, 1937.

Ser. No. 423,588. ALTSHUL STERN & CO., New York, N. Y. Filed Sept. 14, 1939.

GLAMOUR GIRL

For Handkerchiefs.
Claims use since Aug. 25, 1939.

Ser. No. 423,857. NATIONAL BLOUSE CORPORATION, New York, N. Y. Filed Sept. 22, 1939.

"1890"

For Ladies' Dresses.
Claims use since July 1, 1939.

Ser. No. 424,134. THE L. V. MARKS & SONS CO., Cincinnati, Ohio. Filed Oct. 2, 1939.

WALK MASTER
YOU WALK ON ACTUALLY AIR

The words "You Actually Walk on Air" are disclaimed apart from the mark.
For Women's and Misses' Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since Aug. 14, 1939.

Ser. No. 424,141. MORRIS SHAPIRO, doing business as Western Sportswear Co., Los Angeles, Calif. Filed Oct. 2, 1939.

MOVIE GUILD Sportswear OF HOLLYWOOD

The words "Sportswear" and "of Hollywood" are disclaimed apart from the mark.
For Men's, Women's, and Children's Sportswear—Namely, Outer Shirts, Jackets of Fabric, Wool, Knit Trimmed and Leather, Slacks, Pants, Raincoats, and Raincapes.
Claims use since June 5, 1939.

Ser. No. 424,195. MARK CROSS COMPANY, New York, N. Y. Filed Oct. 4, 1939.

"CROSSWISE"

For Leather Gloves.
Claims use since Oct. 1, 1939.

Ser. No. 424,312. SAM RACHELSON, doing business as Southern Merchandise Company, Atlanta, Ga. Filed Oct. 7, 1939.

Ray-Pak

The word "Pak" is disclaimed apart from the mark.
For Handkerchiefs.
Claims use since Apr. 6, 1938.

Ser. No. 424,314. SAM RACHELSON, doing business as Southern Merchandise Company, Atlanta, Ga. Filed Oct. 7, 1939.

Southern Pak

The word "Pak" is disclaimed apart from the mark.
For Handkerchiefs.
Claims use since Apr. 6, 1938.

Ser. No. 424,335. ASSOCIATED RETAIL MILLINERY, INCORPORATED, Dallas, Tex. Filed Oct. 9, 1939.

Chaperon ARISTOCRATIC fashions

Applicant disclaims the expression "Aristocratic Fashions".
For Hats for Women.
Claims use since July 15, 1939.

Ser. No. 424,336. ASSOCIATED RETAIL MILLINERY, INCORPORATED, Dallas, Tex. Filed Oct. 9, 1939.

parkridge Exclusives

Applicant disclaims the expression "Exclusives".
For Hats for Women.
Claims use since July 15, 1939.

Ser. No. 424,337. ASSOCIATED RETAIL MILLINERY, INCORPORATED, Dallas, TEX. Filed Oct. 9, 1939.

Tailored DURWOOD Modes

Applicant disclaims the expression "Tailored Modes".
For Hats for Women.
Claims use since July 15, 1939.

Ser. No. 424,460. BEEBE BROTHERS RUBBER COMPANY, Nashua, N. H. Filed Oct. 12, 1939.



For Heels and Soles of Rubber and Rubber Composition.
Claims use since Aug. 11, 1939.

Ser. No. 424,461. BEEBE BROTHERS RUBBER COMPANY, Nashua, N. H. Filed Oct. 12, 1939.



For Heels and Soles of Rubber and Rubber Composition.
Claims use since Aug. 22, 1939.

Ser. No. 424,528. STRONGE & LIGHTNER CO., Minneapolis, Minn. Filed Oct. 13, 1939.

Strolite

For Women's Hats.
Claims use since Feb. 1, 1939.

Ser. No. 424,582. SIMON FISHER, Berlin, N. J. Filed Oct. 16, 1939.



The word "Products" is disclaimed apart from the mark.
For Women's and Misses' Nightgowns, Pajamas, Panties, and Slips.
Claims use since July 28, 1939.

Ser. No. 424,743. SPORTS GUILD, INC., New York, N. Y. Filed Oct. 20, 1939.



For Women's, Misses', and Children's Wearing Apparel—Namely, Dresses, Skirts, Blouses, Suits, and Coats of Silk, Wool, Rayon, Linen, and Cotton.
Claims use since Sept. 9, 1939.

Ser. No. 424,942. C. CRAWFORD HOLLIDGE, LTD., Boston, Mass. Filed Oct. 26, 1939.

DURALOCK

For Hosiery.
Claims use since February, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 415,069. MARY SEYMOUR, San Francisco, Calif. Filed Jan. 21, 1939.

JOMOUR

For Hand-Blocked Piece Goods of Cotton, Silk, Wool, Rayon, or "Revolite".
Claims use since Aug. 1, 1935.

Ser. No. 423,741. SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Sept. 19, 1939.

GLEN-SHEER

No claim is made to the word "Sheer" apart from the mark.
For Piece Goods of Cotton, Linen, Silk, Rayon, and Woolen Mixtures.
Claims use since Aug. 30, 1939.

Ser. No. 423,849. ARTHUR BEIR & CO., INC., New York, N. Y. Filed Sept. 22, 1939.

STARDUST

For Piece Goods of Spun Rayon.
Claims use since Sept. 13, 1939.

Ser. No. 424,581. FEDERAL FABRICS CORPORATION, New York, N. Y. Filed Oct. 16, 1939.

Satin Silhouette

The word "Satin" is disclaimed apart from the mark.
For Rayon Fabrics in the Piece.
Claims use since Sept. 15, 1937.

Ser. No. 424,670. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Oct. 18, 1939.

GRIDIRON

For Silk, Rayon, and Cotton Piece Goods and Combinations Thereof.
Claims use since Dec. 1, 1938.

Ser. No. 425,199. GENERAL RIBBON MILLS, INC., Dover, Del., and New York, N. Y. Filed Nov. 3, 1939.

ROYAL SWAN



For Textile Ribbons Sold by the Yard, Spool, Piece, or Bolt.
Claims use since Oct. 27, 1939.

Ser. No. 425,426. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Nov. 8, 1939.



The word "Fabrics" is disclaimed apart from the mark.
For Bed Sheets, Pillow Slips, Sheeting in the Piece, Blankets and Bed and Crib Coverings Made of Cotton or Wool or of Mixtures of Cotton and Wool, Silk Fabrics, Artificial Silk Fabrics, Cotton Fabrics, Towels, and Wash Cloths.
Claims use since Nov. 3, 1925.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 419,749. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed May 24, 1939.

ESCO

For Embalming Instruments — Namely, Scalpels, Bistouries, Finger Knives, Aneurism Hooks, Arterial Hooks, Cotton Packers, Nail Files, Separators, Artery

Forceps, Eye Forceps, Artery Clamps, Ligating Forceps, Scissors, Vein Expanders, and Artery Ligating Forceps, Blood Clot Removers and Dressing Forceps, Surgical Needles, Trocars, Thoracic Tubes, Stomach Tubes, Vascular Instruments, Draining Tubes, Stopcocks, Carotid Injectors, Rubber Tubing, Metal Shutoffs, Hypodermic Sets, Hypodermic Syringes, Bulb Syringes, Electric Plastic Surgery Instruments, Tri-Metal Pumps, Hard Rubber Pumps, Syringes, Automatic Injectors, Air-Bulb Injectors, Corrugated Bulb Syringes, Gravity Injectors, Goosenecks, Chin Supports, Head Rests, Embalmers' Cooling Boards, Needle Sets, Embalming Needles, Arm Supports, Spiral Drain Tubes, Combination Drain Tubes and Forceps, Pressure Scopes, Carotid Y Injectors with Metal Stopcocks, Thread Holders, Bodyscopes, Femoral Drain Tubes, Electrically Operated Pumps with Automatic Control Instrument Pocket Sets, Plastic Surgery Sets, Plasmetic Cases, Detachable Knife Sets, Suturing Sets, Fluid and Blood Conveyor Cases, Operating Tables, Bandages, Suturing Thread, Eyecaps, Gravity Stands.

Claims use since Aug. 11, 1896.

Ser. No. 424,796. DE ROOS LABORATORIES, INC., Chicago, Ill. Filed Oct. 23, 1939.

ARISTA

For Permanent Waving Pads.
Claims use since June, 1938.

Ser. No. 424,797. DE ROOS LABORATORIES, INC., Chicago, Ill. Filed Oct. 23, 1939.



For Permanent Waving Pads.
Claims use since Oct. 17, 1939.

Ser. No. 424,798. DE ROOS LABORATORIES, INC., Chicago, Ill. Filed Oct. 23, 1939.

PAR

For Permanent Waving Pads.
Claims use since August, 1938.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 425,169. VAN AMERINGEN HAEBLER, INC., New York, N. Y. Filed Nov. 2, 1939.

So-Kay

For Non-Alcoholic and Maltless Carbonated Beverages and Artificial Flavors for the Manufacture of Carbonated Beverages.
Claims use since Sept. 22, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 389,762. CHARLES BOCCIA, doing business as Boccia Pastry Shop, New York, N. Y. Filed Mar. 6, 1937.



No claim is made to the representation of a cone, except as shown.
For Frozen Confection.
Claims use since Jan. 2, 1927.

Ser. No. 422,382. THOMAS SIGURDSON, Vernita, Wash. Filed Aug. 7, 1939.

HO-HUM

For Fresh, Packed Peaches.
Claims use since Aug. 1, 1937.

Ser. No. 422,420. SPECIAL MILK PRODUCTS, INC., Los Angeles, Calif. Filed Aug. 8, 1939.

HI-PRO

For Prescription or Modified Milk Product—Namely, a Milk Product Made from Whole Milk, Separated Milk, and a Partially Delactosed Separated Milk, Blended to Give a Product of Low Fat, Low Lactose, and High Protein.
Claims use since July 10, 1939.

Ser. No. 422,693. DORGAN PACKING CORP., Mobile, Ala. Filed Aug. 17, 1939.



WATER CREST

DORGAN PACKING CORP.

Applicant disclaims the words "Dorgan Packing Corp.", apart from the mark.
For Canned Shrimp and Canned Oysters.
Claims use since Aug. 4, 1939.

Ser. No. 423,032. LAWRENCE PETER PIAZZA, doing business as Community Produce Co., Boston, Mass. Filed Aug. 26, 1939.



For Fresh Celery.
Claims use since Jan. 1, 1936.

Ser. No. 423,031. SODUS FRUIT EXCHANGE, Sodus, Mich. Filed Sept. 25, 1939.

BLOSSOM QUEEN

For Fresh Deciduous Fruits.
Claims use since Aug. 29, 1939.

Ser. No. 424,469. E. J. CURRY & CO., Brucetown, Va. Filed Oct. 12, 1939.



Cresthaven

For Salad Dressing.
Claims use since July 17, 1939.

Ser. No. 424,833. JOSEPH L. CLARK, Pittsburgh, Pa. Filed Oct. 24, 1939.

CLARKIES

For Chewing Gum.
Claims use since Sept. 1, 1939.

Ser. No. 425,049. FRUITVALE CANNING COMPANY, Oakland, Calif. Filed Oct. 30, 1939.

ALL STAR

For Canned Fruits, Canned Vegetables.
Claims use since Aug. 15, 1939, on canned fruits; and since Oct. 6, 1939, on canned vegetables.

Ser. No. 425,050. FRUITVALE CANNING COMPANY, Oakland, Calif. Filed Oct. 30, 1939.

HIT PARADE

For Canned Fruits, Canned Vegetables.
Claims use since June 19, 1939, on canned fruits; and since Oct. 6, 1939, on canned vegetables.

Ser. No. 425,051. FRUITVALE CANNING COMPANY, Oakland, Calif. Filed Oct. 30, 1939.

Timely

For Canned Fruits, Canned Vegetables.
Claims use since July 29, 1939, on canned fruits; and since Oct. 6, 1939, on canned vegetables.

Ser. No. 425,052. FRUITVALE CANNING COMPANY, Oakland, Calif. Filed Oct. 30, 1939.

OAK VALE

For Canned Fruits, Canned Vegetables.
Claims use since Aug. 2, 1939, on Canned fruits; and since Oct. 6, 1939, on canned vegetables.

Ser. No. 425,405. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 8, 1939.

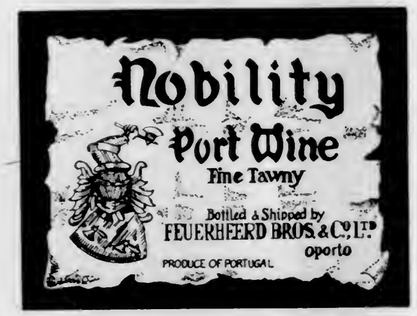
RINX

For Oat Cereal Breakfast Food.
Claims use since Oct. 10, 1939.

CLASS 47

Wines

Ser. No. 420,716. FEUERHEERD BROS. & COMPANHIA LIMITADA, Oporto, Portugal. Filed June 20, 1939.



The words "Port Wine", "Fine Tawny", "Bottled and Shipped by", "Oporto", and "Produce of Portugal" are disclaimed apart from the mark.
For Port Wines.
Claims use since July 16, 1936.

Ser. No. 425,032. STANDARD DRUG COMPANY, INC., Richmond, Va. Filed Oct. 31, 1939.



For Wines.
Claims use since Sept. 13, 1939.

Ser. No. 425,033. STANDARD DRUG COMPANY, INC., Richmond, Va. Filed Oct. 31, 1939.



The picture is fanciful.
For Wines.
Claims use since Sept. 22, 1939.

CLASS 48

Malt Beverages and Liquors

Ser. No. 423,725. THE CONSUMERS BREWING COMPANY, Newark, Ohio. Filed Sept. 19, 1939.



The word "Brew" is disclaimed apart from the mark.
For Beer and Ale.
Claims use since Aug. 12, 1939.

CLASS 49

Distilled Alcohol Liquors

Ser. No. 422,736. THE DANT DISTILLERY COMPANY, INC., Dant, Ky. Filed Aug. 18, 1939. Under 10-year proviso.

J.W.DANT

For Whiskey.
Claims use since 1836.

Ser. No. 423,184. JAMES SWORD & SON, LIMITED, Glasgow, Scotland. Filed Aug. 31, 1939.



All wording except "Cross" is disclaimed apart from the mark.
For Whisky.
Claims use since Jan. 22, 1885.

Ser. No. 425,442. JAMES WALSH & Co. INC., Lawrenceburg, Ind. Filed Nov. 8, 1939.

OLD CORN PATCH BRAND

No claim is made to the word "Brand" apart from the mark.
For Corn Whiskey.
Claims use since Aug. 21, 1936.

Ser. No. 425,482. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y. Filed Nov. 9, 1939.



For Whiskey.
Claims use since July 11, 1934.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 424,709. ATLAS POWDER COMPANY, Wilmington, Del. Filed Oct. 20, 1939.

PATENEL

For Coated Fabric.
Claims use since Oct. 10, 1939.

Ser. No. 425,037. ALLEN INDUSTRIES, INCORPORATED, Detroit, Mich. Filed Oct. 30, 1939.

Sky-tex

For Rubberized or Latex-Coated Cotton Padding.
Claims use since Aug. 30, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 26, 1939

373,791. PAMPHLETS PUBLISHED AT IRREGULAR INTERVALS. BENZION I. GRAND, Brooklyn, N. Y.
Filed November 14, 1935. Serial No. 371,535. PUBLISHED OCTOBER 10, 1939. Class 38.

373,792. POWER AND HAND PIPE AND ROD THREADING AND CUTTING MACHINES AND PARTS FOR THE SAME, ETC. THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio.
Filed June 13, 1936. Serial No. 379,710. PUBLISHED OCTOBER 17, 1939. Class 23.

373,793. SANDWICHES AND BAKERY GOODS—NAMELY, CAKES, PIES, AND PASTRIES. THE CONTINENTAL GRILL, Wichita, Kans.
Filed March 29, 1937. Serial No. 390,631. PUBLISHED OCTOBER 17, 1939. Class 46.

373,794. MAGAZINES PUBLISHED FROM TIME TO TIME. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed April 13, 1937. Serial No. 391,269. PUBLISHED OCTOBER 17, 1939. Class 38.

373,795. MOTOR DRIVEN AND TRAILER MATERIALS-HANDLING EQUIPMENT—NAMELY, TRUCKS, DUMPING TRACTOR TRUCKS, AND DUMP WAGONS. THE EUCLID ROAD MACHINERY COMPANY, Euclid, Ohio.
Filed June 25, 1937. Serial No. 394,481. PUBLISHED OCTOBER 17, 1939. Class 19.

373,796. AFTER SHAVING LOTION. LUDWIG SCHERK, INC., New York, N. Y.
Filed July 24, 1937. Serial No. 395,631. PUBLISHED OCTOBER 17, 1939. Class 6.

373,797. ALL-PURPOSE DEODORANT. SUN RAY DRUG COMPANY, doing business as Drake Laboratories, Philadelphia, Pa.
Filed December 9, 1937. Serial No. 400,661. PUBLISHED MARCH 8, 1938. Class 6.

373,798. COMBINED YEAST AND MILK BEAUTY MASK. BLAINE CULVER, doing business as Alberto-Culver, Los Angeles, Calif.
Filed March 31, 1938. Serial No. 404,691. PUBLISHED JUNE 14, 1938. Class 6.

373,799. TRADE PUBLICATION ISSUED AT IRREGULAR INTERVALS FOR THE DISSEMINATION OF INFORMATION OF INTEREST TO THE AUTOMOTIVE TRADE. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind.
Filed April 23, 1938. Serial No. 405,663. PUBLISHED OCTOBER 17, 1939. Class 38.

373,800. SPEED RECORDER FOR MOTOR VEHICLES AND AIRPLANES. SPEEDOGRAPH CORPORATION OF AMERICA, Los Angeles, Calif.
Filed April 1, 1938. Serial No. 404,782. PUBLISHED OCTOBER 17, 1939. Class 26.

373,801. LAXATIVES. LAXA SELTZER LABORATORIES, Pittsburgh, Pa., assignor, by mesne assignments, to Miles Laboratories, Inc.
Filed April 29, 1938. Serial No. 405,849. PUBLISHED MARCH 21, 1939. Class 6.

373,802. ACCORDIONS. THE CHAS. E. WELLS MUSIC COMPANY, Denver, Colo.
Filed May 24, 1938. Serial No. 406,699. PUBLISHED OCTOBER 17, 1939. Class 36.

373,803. CHEMICAL SOLUTION OR FLUID FOR USE WITH CHEMICAL HEATING PADS FOR PERMANENT HAIR WAVING, AND SOLUTION FOR MOISTENING HAIR IN PERMANENT HAIR WAVING OPERATIONS. DUART MANUFACTURING CO. LTD., San Francisco, Calif.
Filed June 11, 1938. Serial No. 407,370. PUBLISHED OCTOBER 10, 1939. Class 6.

373,804. PARENTERAL SOLUTIONS CONSISTING OF AN ADMIXTURE OF DEXTROSE AND HUMAN BLOOD PLASM FOR INJECTION INTRAVENOUSLY AND SUBCUTANEOUSLY IN PATIENTS SUFFERING FROM HYPOPROTEINANEMIA AND OTHER DEFICIENCIES OR AILMENTS. BAXTER LABORATORIES, INC., Glenview, Ill.
Filed July 1, 1938. Serial No. 408,083. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,805. PARENTERAL SOLUTIONS CONSISTING OF AN ADMIXTURE OF DEXTROSE AND HUMAN BLOOD SERUM FOR INJECTION INTRAVENOUSLY AND SUBCUTANEOUSLY IN PATIENTS SUFFERING FROM HYPOPROTEINANEMIA AND OTHER DEFICIENCIES OR AILMENTS. BAXTER LABORATORIES, INC., Glenview, Ill.
Filed July 1, 1938. Serial No. 408,084. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,806. SUCTION-HEADED METAL PINS FOR USE IN ANCHORING FOWLS, MEATS, ETC. TO TRAYS OR PLATTERS AS AN AID IN CARVING. GEORGE B. MARKLE, JR., doing business as Elkram & Company, Hazleton, Pa.
Filed July 19, 1938. Serial No. 408,653. PUBLISHED OCTOBER 17, 1939. Class 13.

373,807. COUGH SYRUP AND EXPECTORANT FOR THE RELIEF OF HOARSENESS AND MINOR THROAT AND BRONCHIAL IRRITATIONS. FLETCHER PRODUCTS, INC., Los Angeles, Calif.
Filed July 25, 1938. Serial No. 408,881. PUBLISHED NOVEMBER 29, 1938. Class 6.

373,808. COSMETICS—NAMELY, SHAMPOO, HAIR TONIC, LIPSTICK, ROUGE, FACE POWDER, NAIL POLISH, FACE CREAMS, SKIN TONICS, MASCARA, EYE SHADOWS, PERFUMES, TOILET WATERS, AND SACHETS. JOHN M. RAY, Coplague, N. Y.
Filed August 1, 1938. Serial No. 409,139. PUBLISHED OCTOBER 17, 1939. Class 6.

373,809. REFRACTORY CLINKER PREPARATIONS AND FURNACE LININGS. BASIC DOLOMITE, INC., Cleveland, Ohio.
Filed August 11, 1938. Serial No. 409,455. PUBLISHED OCTOBER 17, 1939. Class 12.

373,810. POWDERED CHEMICAL FOR THE TREATMENT OF WATER USED AS A STERILIZER, DISINFECTANT AND SOLVENT. ACME CHEMICAL COMPANY, Milwaukee, Wis.
Filed September 2, 1938. Serial No. 410,211. PUBLISHED OCTOBER 17, 1939. Class 6.

373,811. LEATHER. B. D. EISENDRATH TANNING COMPANY, Chicago, Ill.
Filed September 10, 1938. Serial No. 410,426. PUBLISHED OCTOBER 17, 1939. Class 1.

373,812. DENTAL FLOSS AND APPLICATOR FOR APPLYING SAME. JOHN LAUTERBACH COMPANY, Philadelphia, Pa.
Filed September 19, 1938. Serial No. 410,740. PUBLISHED OCTOBER 17, 1939. Class 44.

373,813. PREPARATIONS FOR DESTROYING SNAILS AND MOLLUSKS. LONZA ELEKTRIZITÄTSWERKE UND CHEMISCHE FABRIKEN AKTIENGESELLSCHAFT, Gampel and Basel, Switzerland.
Filed September 26, 1938. Serial No. 411,000. PUBLISHED JUNE 27, 1939. Class 6.

373,814. PERFUMES; LOTIONS FOR THE FACE, HANDS, AND SKIN; TOILET WATER, BATH OIL, FACE POWDER, BATH POWDER, BATH SALTS, AND LIPSTICKS. HEDWIG ORLIK, New York, N. Y.
Filed November 16, 1938. Serial No. 412,827. PUBLISHED MARCH 21, 1939. Class 6.

373,815. LAXATIVES. MARY MCLEAN SPROULE, Westmount, Quebec, Canada.
Filed December 2, 1938. Serial No. 413,122. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,816. FOOT POWDER, BABY POWDER, BODY POWDER, WOUND POWDER, COLD CREAM, HYGIENIC AND ANTISEPTIC POWDER FOR SKIN AND SORES, TOILET POWDER, MEDICINAL POWDER, SALVES, BABY CREAM, PASTES, AND OILS FOR THE TREATMENT OF INTERIOR AND EXTERIOR WOUNDS. VASENOLWERKE DR. ARTHUR KOPP KOMMANDITGESELLSCHAFT, Leipzig, Germany.
Filed December 14, 1938. Serial No. 413,846. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,817. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed December 12, 1938. Serial No. 413,752. PUBLISHED OCTOBER 17, 1939. Class 21.

373,818. BEER. STAR PEERLESS BREWERY COMPANY, Belleville, Ill.
Filed December 17, 1938. Serial No. 413,961. PUBLISHED OCTOBER 17, 1939. Class 48.

373,819. TEXTILE FABRICS IN THE PIECE OF COTTON, WOOL, AND THE LIKE. AMERICAN LONDON SHRINKERS CORP., New York, N. Y.
Filed December 21, 1938. Serial No. 414,019. PUBLISHED SEPTEMBER 12, 1939. Class 42.

373,820. BORIC ACID, CARBOLIC ACID, OXALIC ACID, SALICYLIC ACID, ALCOHOL FOR RUBBING PURPOSES, ALUM, ETC. SOUTHWESTERN DRUG CORPORATION, doing business as Red Arrow Laboratories, Waco, Tex.
Filed December 23, 1938. Serial No. 414,165. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,821. BORIC ACID, CARBOLIC ACID, OXALIC ACID, SALICYLIC ACID, ALUM, ANTISEPTIC SOLUTION, ETC. SOUTHWESTERN DRUG CORPORATION, doing business as Red Arrow Laboratories, Waco, Tex.
Filed December 23, 1938. Serial No. 414,166. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,822. THERAPEUTIC HEALTH FOODS CONSISTING OF MINERALIZED VEGETABLE AND HERB COMPOUNDS FOR USE AS A BOWEL AND STOMACH CORRECTANT AND FOR THE TREATMENT OF STOMACH ULCERS. SAMUEL H. MILLER, doing business as The Genda Mineralized Health Food Co., Rock Island, Ill.
Filed December 24, 1938. Serial No. 414,200. PUBLISHED OCTOBER 10, 1939. Class 6.

373,823. THE FOLLOWING RAW MATERIALS—RAW SILK, RAYON (ARTIFICIAL SILK FIBER), TUSSAH SILK FIBER, AND WILD SILK OTHER THAN TUSSAH. KATAKURA SEISHI BOSEKI KABUSHIKI KAISHA, Tokyo, Japan.
Filed December 29, 1938. Serial No. 414,297. PUBLISHED OCTOBER 17, 1939. Class 1.

373,824. THE FOLLOWING RAW MATERIALS—RAW SILK, RAYON (ARTIFICIAL SILK FIBER), TUSSAH SILK FIBER, AND WILD SILK OTHER THAN TUSSAH. KATAKURA SEISHI BOSEKI KABUSHIKI KAISHA, Tokyo, Japan.
Filed December 29, 1938. Serial No. 414,298. PUBLISHED OCTOBER 17, 1939. Class 1.

373,825. THE FOLLOWING RAW MATERIALS—RAW SILK, RAYON (ARTIFICIAL SILK FIBER), TUSSAH SILK FIBER, AND WILD SILK OTHER THAN TUSSAH. KATAKURA SEISHI BOSEKI KABUSHIKI KAISHA, Tokyo, Japan.
Filed December 29, 1938. Serial No. 414,299. PUBLISHED OCTOBER 17, 1939. Class 1.

373,826. CHAIN WHEELS FOR INDUSTRIAL MACHINERY, MORTISE CHAINS, STATIONARY-OPERATED CONVEYOR MACHINERY FOR INDUSTRIAL USES, ETC. THE RENOLD AND COVENTRY CHAIN COMPANY LIMITED, Didsbury, England.
Filed January 4, 1939. Serial No. 414,509. PUBLISHED OCTOBER 17, 1939. Class 23.

373,827. POWER TRANSMISSION CHAINS AND SPIGOT PINS AND STAY BARS THEREFOR. THE RENOLD AND COVENTRY CHAIN COMPANY LIMITED, Didsbury, England.
Filed January 4, 1939. Serial No. 414,510. PUBLISHED OCTOBER 10, 1939. Class 13.

373,828. COARSE, SUPERFINE, AND ORDINARY HARD SWEDISH RYE-BREAD. AKTIEBOLAGET SKÅNSKA SPISBRÖDSFABRIKEN, Kristianstad, Sweden.
Filed January 7, 1939. Serial No. 414,586. PUBLISHED OCTOBER 17, 1939. Class 46.

373,829. FROZEN CONFECTIONS, AND SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed February 7, 1939. Serial No. 415,723. PUBLISHED OCTOBER 17, 1939. Class 46.

373,830. MEDICATED SALVE AND/OR OINTMENT FOR USE IN TREATING BRUISES AND MINOR IRRITATIONS OF THE SKIN. MARTHA C. WAGENKNECHT, doing business as Seydel Products Company, Milwaukee, Wis.
Filed February 9, 1939. Serial No. 415,866. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,831. TABLETS CONTAINING VITAMIN C TO BE USED IN THE TREATMENT OF VITAMIN C DEFICIENCY. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif.
Filed February 13, 1939. Serial No. 415,994. PUBLISHED MARCH 28, 1939. Class 6.

373,832. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. OSTBY AND BARTON COMPANY, Providence, R. I.
Filed February 17, 1939. Serial No. 416,157. PUBLISHED OCTOBER 10, 1939. Class 28.

373,833. GENERAL BODY TONIC. WILLIAM L. ROGERS, Long Beach, Calif.
Filed February 28, 1939. Serial No. 416,519. PUBLISHED OCTOBER 17, 1939. Class 6.

373,834. REFLECTORS FOR USE ON LAMPS AND ELECTRIC LIGHTS. LIGHT & POWER PATENTED UTILITIES CO., INC., New York, N. Y.
Filed March 17, 1939. Serial No. 417,176. PUBLISHED OCTOBER 17, 1939. Class 34.

373,835. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed March 18, 1939. Serial No. 417,202. PUBLISHED OCTOBER 17, 1939. Class 42.

373,836. MEN'S AND BOYS' MOCCASIN SLIPPERS. L. B. EVANS' SON COMPANY, Wakefield, Mass.
Filed March 18, 1939. Serial No. 417,207. PUBLISHED JUNE 13, 1939. Class 39.

373,837. HAY, MANURE, SPADING, BARLEY FORKS; FIELD AND GARDEN SCUFFLE AND MORTAR HOES, ETC. UNITED CO-OPERATIVES, INC., Indianapolis, Ind.
Filed March 27, 1939. Serial No. 417,561. PUBLISHED OCTOBER 17, 1939. Class 23.

373,838. SKIN CREAM FOR SKIN IRRITATIONS AND TREATMENT OF NONINFECTED SKIN BLEMISHES, FOR STOPPING SUNBURN AND PAIN. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed April 14, 1939. Serial No. 418,260. PUBLISHED MAY 23, 1939. Class 6.

373,839. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. MARION E. SCHADE, doing business as Alfa Company, St. Louis, Mo.
Filed April 15, 1939. Serial No. 418,313. PUBLISHED OCTOBER 17, 1939. Class 45.

373,840. LIQUID INSECTICIDES, PARTICULARLY FOR USE IN TERMITE CONTROL. HUTTIG SASH & DOOR COMPANY, St. Louis, Mo.
Filed April 24, 1939. Serial No. 418,640. PUBLISHED OCTOBER 10, 1939. Class 6.

373,841. GLASS OVENWARE. JEWEL TEA CO., INC., Barrington, Ill.
Filed April 27, 1939. Serial No. 418,779. PUBLISHED OCTOBER 17, 1939. Class 33.

373,842. CASTING PLASTER COMPOSITION COMPRISING MAINLY CALCINED GYPSUM. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed April 27, 1939. Serial No. 418,798. PUBLISHED OCTOBER 17, 1939. Class 12.

373,843. MEDICINAL PREPARATION FOR THE TREATMENT OF ACIDITY. BURROWS MCNEIR, doing business as Contracid Company, Warrenton, Va.
Filed April 29, 1939. Serial No. 418,885. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,844. PERIODICAL PUBLICATION. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed May 1, 1939. Serial No. 418,958. PUBLISHED OCTOBER 3, 1939. Class 38.

373,845. CLEANSING CREAM, SKIN FRESHENER, ASTRINGENT, SCIENTIFIC MASK, ETC. FRIEDA MEYERHOFF, Milwaukee, Wis.
Filed April 26, 1939. Serial No. 419,002. PUBLISHED OCTOBER 17, 1939. Class 6.

373,846. MEDICINAL PREPARATION FOR THE RELIEF OF COUGHS, COLDS, AND BRONCHIAL IRRITATIONS. S. PFEIFFER MFG. CO., doing business as Lynn Chemical Co., St. Louis, Mo.
Filed May 3, 1939. Serial No. 419,041. PUBLISHED OCTOBER 17, 1939. Class 6.

373,847. OINTMENT FOR EXTERNAL USE IN TREATING AND PREVENTING SKIN DISEASES OR IRRITATIONS. H. H. CARTMELL, doing business as Old Hickory Laboratories, Chattanooga, Tenn.
Filed May 3, 1939. Serial No. 419,100. PUBLISHED OCTOBER 10, 1939. Class 6.

373,848. DISINFECTANTS. ANTON SALES COMPANY, Philadelphia, Pa.
Filed May 6, 1939. Serial No. 419,137. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,849. PERIODICAL. MARIAN E. PRICE, Mount Morris, Ill.
Filed May 9, 1939. Serial No. 419,235. PUBLISHED OCTOBER 10, 1939. Class 38.

373,850. LAXATIVE. VALLIS & CARAMETOS, Reno, Nev.
Filed May 10, 1939. Serial No. 419,283. PUBLISHED OCTOBER 17, 1939. Class 6.

373,851. PREPARATION FOR REMOVING CORNS, CALLOUSES, WARTS, ETC. JOHN WILLIAM KOST, Newton Falls, Ohio.
Filed May 16, 1939. Serial No. 419,483. PUBLISHED OCTOBER 17, 1939. Class 6.

373,852. INSECTICIDES AND FUNGICIDES. ALLEGHENY CHEMICAL CORPORATION, Reading and Womelsdorf, Pa.
Filed May 16, 1939. Serial No. 419,492. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,853. POCKET WATCHES AND WRIST WATCHES, SAID WRIST WATCHES BEING SOLD WITH AND WITHOUT ATTACHMENTS THEREON, WATCH CASES, WATCH MOVEMENTS, WATCH DIALS, AND WATCH PARTS. HAMILTON WATCH COMPANY, Lancaster, Pa.
Filed May 19, 1939. Serial No. 419,574. PUBLISHED OCTOBER 17, 1939. Class 27.

373,854. MEDICINAL PREPARATION INDICATED IN AND FOR THE RELIEF OF THE PAROXYSMS OF ASTHMA, ROSE COLD, AND HAY FEVER AND THE TREATMENT OF THE ALLERGIC MANIFESTATIONS OF THESE CONDITIONS. JOSEPH BURNETT COMPANY, Boston, Mass.
Filed May 22, 1939. Serial No. 419,899. PUBLISHED OCTOBER 3, 1939. Class 6.

373,855. DURUM WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed May 29, 1939. Serial No. 419,977. PUBLISHED OCTOBER 17, 1939. Class 46.

373,856. COMPUTING REGISTERS FOR LIQUID DISPENSING APPARATUS. VALLEY EQUIPMENT CORPORATION, New York, N. Y.
Filed May 31, 1939. Serial No. 420,033. PUBLISHED OCTOBER 17, 1939. Class 26.

373,857. NEWSPAPER FEATURE. THOMAS A. DURFEA, Clarkson, N. Y.
Filed June 6, 1939. Serial No. 420,220. PUBLISHED OCTOBER 10, 1939. Class 38.

373,858. MEDICINAL COMPOUND IN TABLET AND LIQUID FORM FOR USE IN TREATMENT OF STREPTOCOCCUS AND OTHER INFECTIONS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed June 7, 1939. Serial No. 420,241. PUBLISHED OCTOBER 17, 1939. Class 6.

373,859. POCKET WATCHES AND WRIST WATCHES, SAID WRIST WATCHES BEING SOLD WITH AND WITHOUT ATTACHMENTS THEREON, WATCH CASES, WATCH MOVEMENTS, WATCH DIALS, AND WATCH PARTS. HAMILTON WATCH COMPANY, Lancaster, Pa.
Filed June 7, 1939. Serial No. 420,251. PUBLISHED OCTOBER 17, 1939. Class 27.

373,860. POCKET WATCHES AND WRIST WATCHES, SAID WRIST WATCHES BEING SOLD WITH AND WITHOUT ATTACHMENTS THEREON, WATCH CASES, WATCH MOVEMENTS, WATCH DIALS, AND WATCH PARTS. HAMILTON WATCH COMPANY, Lancaster, Pa.
Filed June 7, 1939. Serial No. 420,253. PUBLISHED OCTOBER 17, 1939. Class 27.

373,861. MEDICINAL PREPARATION FOR TREATMENT OF COUGHS AND COLDS. ROBERT L. DEY, doing business as Crowl Chemical Co., Shamokin, Pa.
Filed June 8, 1939. Serial No. 420,277. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,862. PERFUME. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed June 8, 1939. Serial No. 420,289. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,863. OINTMENT FOR THE TREATMENT OF PILES. JOHN F. SPARAGA, Center Line, Mich.
Filed June 8, 1939. Serial No. 420,292. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,864. VEHICLE BICYCLE CARRIERS. HENRY P. DEL CANO, doing business as National Cycle Co., Los Angeles, Calif.
Filed June 10, 1939. Serial No. 420,362. PUBLISHED OCTOBER 17, 1939. Class 19.

373,865. MEDICINAL TREATMENT FOR FUNGOUS AFFECTIONS OF THE SKIN. ALBY LEROY HOOKER, Otterville, Ontario, Canada.
Filed June 7, 1939. Serial No. 420,439. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,866. CAN OPENERS. STEEL PRODUCTS MANUFACTURING COMPANY, St. Louis, Mo.
Filed June 12, 1939. Serial No. 420,470. PUBLISHED OCTOBER 17, 1939. Class 23.

373,867. OINTMENT FOR USE IN THE TREATMENT OF CUTS, SKIN IRRITATIONS, BLOOD POISONING, BURNS, BOILS, CARBUNCLES, PILES, AND VARIOUS FORMS OF INFECTIONS. LEE H. KANN, doing business as The M. J. Laboratories, Guttenberg, Iowa.
Filed June 14, 1939. Serial No. 420,486. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,868. ROSIN SIZE (SODIUM RESINATE) FOR USE IN SIZING PAPER, PULP PRODUCTS, NOVELTIES, IN ASPHALT, SOAPS, DISINFECTANTS, ETC. HERCULES POWDER COMPANY, Wilmington, Del.
Filed June 15, 1939. Serial No. 420,525. PUBLISHED OCTOBER 17, 1939. Class 6.

373,869. MEDICAL PREPARATION FOR TREATMENT OF RHEUMATISM, NEURITIS, LUMBAGO, STOMACH AND KIDNEY TROUBLE, AND CONSTIPATION. L. F. SINES, doing business as Neurite Medicine Company, Jonesboro, Ind.
Filed June 15, 1939. Serial No. 420,546. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,870. EMBROIDERED IMITATION PERSIAN LAMB FUR, MADE OF RAYON AND COTTON YARN. TOWER BRAND YARN CORP., New York, N. Y.
Filed June 15, 1939. Serial No. 420,549. PUBLISHED OCTOBER 17, 1939. Class 42.

373,871. FORMALDEHYDE, PINE OIL DISINFECTANT, DIP AND DISINFECTANT, ANTHRACENE OIL, AND TONICS FOR CATTLE AND HOGS. VAL-A COMPANY, Chicago, Ill.
Filed June 15, 1939. Serial No. 420,551. PUBLISHED OCTOBER 17, 1939. Class 6.

373,872. CARBURETORS AND FUEL PUMPS FOR SUPPLYING FUEL TO INTERNAL COMBUSTION ENGINES. CHANDLER-EVANS CORPORATION, South Meriden, Conn.
Filed June 17, 1939. Serial No. 420,612. PUBLISHED OCTOBER 17, 1939. Class 23.

373,873. PERMANENT WAVING SOLUTION, SHAMPOO, WAVE OIL, AND POLISH REMOVER. THE SERVICE BEAUTY & BARBER SUPPLY CO., Wichita, Kans.
Filed June 17, 1939. Serial No. 420,646. PUBLISHED OCTOBER 17, 1939. Class 6.

373,874. COTTON TIRE FABRIC IN THE PIECE. CALLAWAY MILLS, La Grange, Ga.
Filed June 19, 1939. Serial No. 420,665. PUBLISHED OCTOBER 17, 1939. Class 42.

373,875. BREAD. FALK PRODUCTS COMPANY, Cadillac, Mich.
Filed June 21, 1939. Serial No. 420,754. PUBLISHED OCTOBER 17, 1939. Class 46.

373,876. LIPSTICKS, NAIL ENAMEL, ROUGE, AND FACE POWDER FOR COSMETIC PURPOSES. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed June 21, 1939. Serial No. 420,781. PUBLISHED OCTOBER 17, 1939. Class 6.

373,877. FRESH VEGETABLES, PARTICULARLY TURNIPS, TURNIP GREENS, MUSTARD GREENS, ENDIVES, ETC. TRUMAN ELLSWORTH STEPHENS, doing business as Trulyn Shippers, Edinburg, Tex.
Filed June 21, 1939. Serial No. 420,785. PUBLISHED OCTOBER 17, 1939. Class 46.

373,878. LIQUID SOAP SHAMPOO AND COMPOUND SHAMPOO. JOSEPH HENRY KARP, New York, N. Y.
Filed June 23, 1939. Serial No. 420,862. PUBLISHED OCTOBER 10, 1939. Class 6.

373,879. ACETYLENE AND OXYGEN GAS, ALSO NITROUS OXIDE GAS, HYDROGEN GAS, ETHYLENE GAS, AND CARBON DIOXIDE GAS. WALL CHEMICALS CORPORATION, Detroit, Mich.
Filed June 24, 1939. Serial No. 420,923. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,880. LIQUID PRODUCT FOR USE IN WATER SOLUTION FOR TREATING HOSIERY TO IMPROVE THEIR APPEARANCE AND LENGTHEN THEIR LIFE. THE F. W. FITCH COMPANY, doing business as Clem Chemical Co., Des Moines, Iowa.
Filed June 26, 1939. Serial No. 420,946. PUBLISHED OCTOBER 10, 1939. Class 6.

373,881. SURGICAL PAD WHICH EXERTS AN ANTISEPTIC AND GERMICIDAL EFFECT. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed June 26, 1939. Serial No. 420,965. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,882. METAL CLIPS TO BE USED IN CONNECTING WALL BOARDS OR PANELS TO A WALL SUPPORTING STRUCTURE. S. H. TUMMINS, Houston, Tex.
Filed June 26, 1939. Serial No. 420,981. PUBLISHED OCTOBER 17, 1939. Class 13.

373,883. ELECTRIC ARC LAMPS FOR MOTION PICTURE PROJECTORS. J. E. MCAULEY MFG. CO., Chicago, Ill.
Filed June 27, 1939. Serial No. 421,003. PUBLISHED OCTOBER 17, 1939. Class 26.

373,884. COLOGNE. SINCLAIR G. STANLEY, doing business as Stanis, Chicago, Ill.
Filed June 27, 1939. Serial No. 421,017. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,885. CANNED FRUITS AND VEGETABLES. H. C. HEMINGWAY & COMPANY, Auburn, N. Y.
Filed June 28, 1939. Serial No. 421,039. PUBLISHED OCTOBER 17, 1939. Class 46.

373,886. PERFUME. PARFUMS CORDAY, INC., New York, N. Y.
Filed June 28, 1939. Serial No. 421,050. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,887. WOOLEN, COTTON, AND RAYON PIECE GOODS. TABIN-PICKER & COMPANY, Chicago, Ill.
Filed June 29, 1939. Serial No. 421,106. PUBLISHED OCTOBER 17, 1939. Class 42.

373,888. TWIST DRILLS, REAMERS, TAPS, COUNTERBORES, SCREW EXTRACTORS, TOOL BITS, ETC. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio.
Filed June 30, 1939. Serial No. 421,126. PUBLISHED OCTOBER 17, 1939. Class 23.

373,889. TWIST DRILLS, REAMERS, TAPS, COUNTERBORES, SCREW EXTRACTORS, TOOL BITS, ETC. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio.
Filed June 30, 1939. Serial No. 421,127. PUBLISHED OCTOBER 17, 1939. Class 23.

373,890. PREPARATION FOR USE AS A DIGESTANT. CHARLES FAITH, doing business as Standard Health Products Company, Cincinnati, Ohio.
Filed June 30, 1939. Serial No. 421,133. PUBLISHED OCTOBER 17, 1939. Class 6.

373,891. HEMATINIC AND HEMOGENIC. ROSSMAR LABORATORIES, Philadelphia, Pa.
Filed June 30, 1939. Serial No. 421,161. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,892. HOUSE ORGAN. ALCO GRAVURE DIVISION OF PUBLICATION CORPORATION, Chicago, Ill.
Filed July 1, 1939. Serial No. 421,174. PUBLISHED OCTOBER 10, 1939. Class 38.

373,893. VALVES AND VALVE FITTINGS FOR GAS AND OIL BURNING APPLIANCES. THE W. J. SCHOENBERGER COMPANY, Cleveland, Ohio.
Filed July 1, 1939. Serial No. 421,202. PUBLISHED OCTOBER 17, 1939. Class 13.

373,894. AIRPLANE DOPES AND AIRPLANE FINISHES FOR USE AS UNDERCOATS AND TOP COATS ON WOOD, METAL, AND FABRIC SURFACES OF AIRPLANES, PAINT COATINGS OF ASPHALTUMS AND ASPHALT CHROMATE EMULSIONS, AUTOMOTIVE FINISHES—NAMELY, LACQUERS, ENAMELS, AND PRIMERS FOR AUTOMOBILES, DRY PAINT COLORS ENAMEL OXIDES, PAINT PIGMENTS, ETC. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 30, 1939. Serial No. 421,227. PUBLISHED OCTOBER 17, 1939. Class 16.

373,895. GLOBE VALVES, ANGLE VALVES, CHECK VALVES, GATE VALVES, COCKS, PIPE FITTINGS, ETC. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn.
Filed July 1, 1939. Serial No. 421,229. PUBLISHED OCTOBER 17, 1939. Class 13.

373,896. HOISTS AND PARTS THEREOF, TROLLEYS FOR TRAVELING HOISTS, WINCHES, CHAIN SHEAVES, CRANES, VISES, ETC. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn.
Filed July 1, 1939. Serial No. 421,230. PUBLISHED OCTOBER 17, 1939. Class 23.

373,897. WATCHES AND PARTS THEREOF, STOP WATCHES, ALARM CLOCKS, AND CLOCKS. PERRET ET BERTHOUD, SOCIÉTÉ ANONYME, Geneva, Switzerland.
Filed July 5, 1939. Serial No. 421,293. PUBLISHED OCTOBER 17, 1939. Class 27.

373,898. NAIL CREAM. THALIA PRICE AND ETHEL USHER, Los Angeles, Calif.
Filed July 5, 1939. Serial No. 421,294. PUBLISHED OCTOBER 3, 1939. Class 6.

373,899. DISODIUM SALT OF DISULPHONATE OF PHENOL-TETRA-BROM-PHTHALEIN, AND SOLUTIONS OF THE SAME, PARTICULARLY USEFUL FOR TESTING LIVER FUNCTION. HYNSON, WESTCOTT & DUNNING, INCORPORATED, Baltimore, Md.
Filed July 6, 1939. Serial No. 421,306. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,900. BOOKS, PAMPHLETS, PERIODICALS, PUBLICATIONS, PRINTS, MAGAZINES, BROCHURES, MANUSCRIPTS, TRACTS, AND DOCUMENTS. OXFORD UNIVERSITY PRESS NEW YORK, INC., New York, N. Y.
Filed July 6, 1939. Serial No. 421,317. PUBLISHED OCTOBER 10, 1939. Class 38.

373,901. BOOKS, PAMPHLETS, PERIODICALS, PUBLICATIONS, PRINTS, MAGAZINES, BROCHURES, MANUSCRIPTS, TRACTS, AND DOCUMENTS. OXFORD UNIVERSITY PRESS NEW YORK, INC., New York, N. Y.
Filed July 6, 1939. Serial No. 421,318. PUBLISHED OCTOBER 10, 1939. Class 38.

373,902. CHEMICAL CHARGES FOR FIRE EXTINGUISHERS. PARENE MANUFACTURING COMPANY, Newark, N. J.
Filed July 6, 1939. Serial No. 421,323. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,903. PERFUME, TOILET WATER, FACE POWDER, MASSAGE CREAM, ROUGE, LIPSTICK, COMPLEXION POWDER, ETC. KARL O. ANDERSON, Omaha, Nebr.
Filed July 8, 1939. Serial No. 421,366. PUBLISHED OCTOBER 17, 1939. Class 6.

373,904. GERMICIDAL AND FUNGICIDAL PREPARATIONS. MEDICAL CHEMICALS, INC., Baltimore, Md.
Filed July 8, 1939. Serial No. 421,386. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,905. EMULSIFIABLE PINE OIL. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed July 8, 1939. Serial No. 421,395. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,906. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ETC. COTY, INC., New York, N. Y.
Filed July 10, 1939. Serial No. 421,421. PUBLISHED OCTOBER 17, 1939. Class 6.

373,907. LIQUID PRODUCT FOR USE IN STOPPING RUNS IN HOSIERY. THE F. W. FITCH COMPANY, Des Moines, Iowa.
Filed July 10, 1939. Serial No. 421,427. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,908. VEGETABLE MINERAL PRODUCT CONTAINING NATURAL IODINE, CALCIUM, POTASSIUM, AND OTHER MINERALS IN ORGANIC COMBINATION AND USED AS A SUPPLEMENTARY FOOD. W. FULFORD BROWN, doing business as Health Products Co., Sacramento, Calif.
Filed July 12, 1939. Serial No. 421,472. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,909. POWDERS. HARRIET HUBBARD AYER, INC., New York, N. Y.
Filed July 13, 1939. Serial No. 421,506. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,910. CANNED FRUITS, CANNED FISH, AND CANNED CRAB. R. F. WARNER, New York, N. Y.
Filed July 13, 1939. Serial No. 421,552. PUBLISHED OCTOBER 17, 1939. Class 46.

373,911. CANNED FISH AND CANNED CRAB. R. F. WARNER, New York, N. Y.
Filed July 13, 1939. Serial No. 421,553. PUBLISHED OCTOBER 17, 1939. Class 46.

373,912. CONTROL APPARATUS FOR ELECTRIC WELDERS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed July 13, 1939. Serial No. 421,555. PUBLISHED OCTOBER 17, 1939. Class 21.

373,913. LIQUID PREPARATION TO BE APPLIED TO DOGS' FUR FOR ELIMINATION OF ODORS. THE PUFFUME COMPANY, Noroton, Conn.
Filed July 14, 1939. Serial No. 421,580. PUBLISHED OCTOBER 3, 1939. Class 6.

373,914. PREPARATION FOR THE RELIEF OF ECZEMA, ATHLETE'S FOOT, RING WORM, AND TETTER. EDWARD H. THOMAS WILLIAMS, doing business as Thomas Williams, Rehoboth Beach, Del.
Filed July 14, 1939. Serial No. 421,591. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,915. DENTAL PLATE POWDER. FASTEETH, INCORPORATED, Binghamton, N. Y.
Filed July 15, 1939. Serial No. 421,601. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,916. SHUT-OFF VALVES. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed July 15, 1939. Serial No. 421,607. PUBLISHED OCTOBER 17, 1939. Class 13.

373,917. MOSQUITO REPELLENT CREAMS. E. S. JINDRICH, Cicero, Ill.
Filed July 15, 1939. Serial No. 421,613. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,918. THERMAL INSULATION BLANKET AND OTHER THERMAL INSULATION MATERIALS. AMERICAN HAIR & FELT COMPANY, Chicago, Ill.
Filed July 17, 1939. Serial No. 421,629. PUBLISHED OCTOBER 10, 1939. Class 12.

373,919. NEWS COLUMN OR SECTION AND A NEWS FEATURE PUBLISHED FROM TIME TO TIME IN NEWSPAPERS AND MAGAZINES. WILLIAM LA VARRE, New York, N. Y.
Filed July 17, 1939. Serial No. 421,662. PUBLISHED OCTOBER 10, 1939. Class 38.

373,920. DEODORIZER IN CAKE AND CRYSTAL FORM. WEST DISINFECTING CO., Long Island City, N. Y.
Filed July 17, 1939. Serial No. 421,684. PUBLISHED OCTOBER 3, 1939. Class 6.

373,921. PERFUMES, TOILET WATERS, TOILET AND FACE POWDERS, ROUGE AND POWDER COMPACTS, ROUGES, LIPSTICKS, BATH SALTS, LOTIONS FOR THE SKIN AND HAIR, AND SACHETS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France.
Filed July 18, 1939. Serial No. 421,694. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,922. PERFUMES, TOILET WATERS, FACE AND TOILET POWDERS, POWDER AND ROUGE COMPACTS, ROUGES, LIPSTICKS, BATH SALTS, LOTIONS FOR THE SKIN AND HAIR, AND SACHETS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France.
Filed July 18, 1939. Serial No. 421,695. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,923. OPHTHALMIC LENSES, EYE-GLASS AND SPECTACLE FRAMES AND MOUNTINGS. JOSEPH SCADRON, New York, N. Y.
Filed July 18, 1939. Serial No. 421,715. PUBLISHED OCTOBER 17, 1939. Class 26.

373,924. MASCARA AND EYE SHADOW CREAM FOR COSMETIC PURPOSES. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed July 19, 1939. Serial No. 421,747. PUBLISHED OCTOBER 17, 1939. Class 6.

373,925. DENTAL PLATE POWDER. FASTEETH, INCORPORATED, Binghamton, N. Y.
Filed July 20, 1939. Serial No. 421,768. PUBLISHED OCTOBER 3, 1939. Class 6.

373,926. SMOKED FISH. HELEN HIRSCH, doing business as Transatlantique Export Co., New York, N. Y.
Filed July 20, 1939. Serial No. 421,775. PUBLISHED OCTOBER 17, 1939. Class 46.

373,927. PREPARATION FOR TREATMENT OF DYSMENORRHEA. OPTIMUS PHARMACEUTICALS COMPANY, Taylors, S. C.
Filed July 21, 1939. Serial No. 421,812. PUBLISHED OCTOBER 3, 1939. Class 6.

373,928. FLY SPRAY INSECTICIDE, SKIN LIQUID FOR TREATMENT OF ATHLETE'S FOOT, DIURETIC PILLS, ALTERATIVE TONIC AND APPETIZER, IRON HEMATIC TONIC TABLETS, AND CATHARTIC AND LIVER PILLS. JOICE W. PRICE, doing business as San Jose Pharmacy Company and Price Co. Chemists, San Benito, Tex.
Filed July 21, 1939. Serial No. 421,814. PUBLISHED OCTOBER 17, 1939. Class 6.

373,929. TABLETS TAKEN INTERNALLY FOR THE RELIEF OF HAY FEVER SYMPTOMS AND THE LIKE. PUREPAC CORPORATION, New York, N. Y.
Filed July 21, 1939. Serial No. 421,815. PUBLISHED OCTOBER 3, 1939. Class 6.

373,930. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed July 21, 1939. Serial No. 421,818. PUBLISHED OCTOBER 17, 1939. Class 47.

373,931. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed July 21, 1939. Serial No. 421,819. PUBLISHED OCTOBER 17, 1939. Class 47.

373,932. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed July 21, 1939. Serial No. 421,820. PUBLISHED OCTOBER 17, 1939. Class 47.

373,933. [WITHDRAWN.]

373,934. FERROUS METALS AND FERROUS METAL CASTINGS AND FORGINGS. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y.
Filed July 22, 1939. Serial No. 421,833. PUBLISHED OCTOBER 17, 1939. Class 14.

373,935. PREPARATION FOR REMOVING CORNS AND CALLOUSES AND FOR RELIEVING RHEUMATIC AND LUMBAGO PAINS. ANNETTE KAYKITT, doing business as Kittanne Laboratory, New York, N. Y.
Filed July 22, 1939. Serial No. 421,851. PUBLISHED OCTOBER 17, 1939. Class 6.

373,936. MEDICINAL COMPOUNDS, MORE PARTICULARLY TABLETS FOR GLANDULAR DEFICIENCIES. THE MALTINE COMPANY, New York, N. Y.
Filed July 22, 1939. Serial No. 421,854. PUBLISHED OCTOBER 3, 1939. Class 6.

373,937. SOAP AND SOAP PREPARATIONS. SAHUARA CHEMICAL COMPANY, Downey, Calif.
Filed July 24, 1939. Serial No. 421,904. PUBLISHED OCTOBER 17, 1939. Class 4.

373,938. BOTTLE BRUSHES. VOLCKENING INC., Brooklyn, N. Y.
Filed July 24, 1939. Serial No. 421,913. PUBLISHED OCTOBER 17, 1939. Class 29.

373,939. ELECTRICAL SUPPLIES—NAMELY, GROUND FITTINGS, CONDUIT FITTINGS, CONDUIT JUNCTION BOXES, CONNECTORS, COUPLINGS, PIPE STRAPS, ENTRANCE CAPS, AND BUSHINGS. BRIDGEPORT SWITCH COMPANY, Bridgeport, Conn.
Filed July 24, 1939. Serial No. 421,917. PUBLISHED OCTOBER 17, 1939. Class 21.

373,940. CHEMICAL PREPARATION FOR TREATMENT OF WOOLENS AND OTHER TEXTILE GOODS AS PROTECTION AGAINST MOTHS. DEMOTEX, INC., Long Island City, N. Y.
Filed July 25, 1939. Serial No. 421,930. PUBLISHED OCTOBER 3, 1939. Class 6.

373,941. PREPARATION FOR THE HAIR AND SCALP. HOBART H. SMITH, Paducah, Ky.
Filed July 25, 1939. Serial No. 421,951. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,942. DESK LAMPS ADAPTED TO THE ILLUMINATION OF COPYHOLDERS FOR USE IN TRANSCRIBING WRITINGS, AND TO THE ILLUMINATION OF TYPEWRITERS AND SIMILAR MACHINES ALSO USED FOR THE SAME PURPOSE. THE DAWN MANUFACTURING CORP., Rochester, N. Y.
Filed July 26, 1939. Serial No. 421,966. PUBLISHED OCTOBER 17, 1939. Class 21.

373,943. PIECE GOODS MADE OF WOOL, WORSTED, SILK, COTTON, LINEN, OR RAYON, OR ANY COMBINATION THEREOF. S. AUGSTEIN & Co., College Point, N. Y.
Filed July 27, 1939. Serial No. 421,989. PUBLISHED OCTOBER 17, 1939. Class 42.

373,944. MAGAZINE. ROBERT L. JOHNSON MAGAZINES, INC., New York, N. Y.
Filed July 28, 1939. Serial No. 422,055. PUBLISHED OCTOBER 10, 1939. Class 38.

373,945. MAGAZINE. ROBERT L. JOHNSON MAGAZINES, INC., New York, N. Y.
Filed July 28, 1939. Serial No. 422,056. PUBLISHED OCTOBER 10, 1939. Class 38.

373,946. RUBBERIZED HOSPITAL SHEETING. STEDFAST RUBBER COMPANY, INC., Boston, Mass.
Filed July 28, 1939. Serial No. 422,076. PUBLISHED OCTOBER 17, 1939. Class 44.

373,947. RECTIFIED OIL OF PEPPERMINT. A. M. TODD COMPANY, Kalamazoo, Mich.
Filed July 28, 1939. Serial No. 422,078. PUBLISHED SEPTEMBER 26, 1939. Class 6.

373,948. STABILIZED SOLUTION OF THE TOTAL, UNDENATURED, PURIFIED GLYCOSIDES OF DIGITALIS. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed July 28, 1939. Serial No. 422,081. PUBLISHED OCTOBER 10, 1939. Class 6.

373,949. BOTTLE CAPPING EQUIPMENT COMPRISING HAND TOOLS AND MACHINES. COWDREY PRODUCTS COMPANY, INC., Fitchburg, Mass.
Filed July 29, 1939. Serial No. 422,087. PUBLISHED OCTOBER 17, 1939. Class 23.

373,950. ANTISEPTIC AND GERMICIDAL PREPARATION. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed July 31, 1939. Serial No. 422,112. PUBLISHED OCTOBER 10, 1939. Class 6.

373,951. SLEET REMOVING WINDSHIELD WIPER BLADES OF THE CHEMICAL TYPE. THE ANDERSON COMPANY, Gary, Ind.
Filed July 31, 1939. Serial No. 422,118. PUBLISHED OCTOBER 17, 1939. Class 19.

373,952. INFANT BOTTLE HOLDERS. INFANT INDUSTRIES, INC., San Francisco, Calif.
Filed July 31, 1939. Serial No. 422,135. PUBLISHED OCTOBER 17, 1939. Class 50.

373,953. ENAMEL ADAPTED FOR COATING FINGER NAILS. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed July 31, 1939. Serial No. 422,151. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,954. PHOTOGRAPHIC CHEMICALS. THOMAS S. CURTIS LABORATORIES, Huntington Park, Calif.
Filed August 2, 1939. Serial No. 422,198. PUBLISHED OCTOBER 10, 1939. Class 6.

373,955. PHOTOGRAPHIC CHEMICALS. THOMAS S. CURTIS LABORATORIES, Huntington Park, Calif.
Filed August 2, 1939. Serial No. 422,199. PUBLISHED OCTOBER 10, 1939. Class 6.

373,956. PREPARATION FOR STIMULATING THE GROWTH OF HAIR, SCALP INVIGORATOR, AND FOR USE IN THE PREVENTION OF DANDRUFF. DOMINICO DEMASE, doing business as Dominico Demase Co., Ironwood, Mich.
Filed August 2, 1939. Serial No. 422,200. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,957. MOTOR OIL. JOHNSON OIL REFINING COMPANY, Chicago, Ill.
Filed August 2, 1939. Serial No. 422,212. PUBLISHED OCTOBER 10, 1939. Class 15.

373,958. COLOR PRESERVATIVE FOR FOODSTUFFS CONSISTING OF A LIQUID CHEMICAL PREPARATION. HAWKINS FOOD PROCESSING COMPANY, Seattle, Wash.
Filed August 3, 1939. Serial No. 422,246. PUBLISHED OCTOBER 17, 1939. Class 6.

373,959. WINE VINEGAR. LOMBARDI WINES LTD., also doing business as Lombardi Products, Los Angeles, Calif.
Filed August 4, 1939. Serial No. 422,291. PUBLISHED OCTOBER 17, 1939. Class 46.

373,960. THINNER, MIXER, AND DILUTING MATERIAL FOR PAINT, VARNISH, LACQUER, SHELLAC, AND DOPE. FRENCH-WOLF PAINT PRODUCTS CORPORATION, Philadelphia, Pa.
Filed August 3, 1939. Serial No. 422,310. PUBLISHED OCTOBER 17, 1939. Class 16.

373,961. FABRICATED COMPRESSED INSULATION BOARD, OR WALLBOARD. CREO-DIPT CO., INC., North Tonawanda, N. Y.
Filed August 5, 1939. Serial No. 422,322. PUBLISHED OCTOBER 10, 1939. Class 12.

373,962. HAIR TONIC. DIMAIO & COMPANY, Bradford, Pa.
Filed August 7, 1939. Serial No. 422,357. PUBLISHED OCTOBER 10, 1939. Class 6.

373,963. MAGNESIUM CARBONATE AND MAGNESIUM OXIDE. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed August 7, 1939. Serial No. 422,362. PUBLISHED OCTOBER 10, 1939. Class 6.

373,964. HOUSE ORGAN. NATIONAL COAL ASSOCIATION, Washington, D. C.
Filed August 7, 1939. Serial No. 422,373. PUBLISHED OCTOBER 10, 1939. Class 38.

373,965. HOUSE ORGAN. NATIONAL COAL ASSOCIATION, Washington, D. C.
Filed August 7, 1939. Serial No. 422,374. PUBLISHED OCTOBER 10, 1939. Class 38.

373,966. COUGH SYRUP. S. PFEIFFER MFG. CO., St. Louis, Mo.
Filed August 7, 1939. Serial No. 422,376. PUBLISHED OCTOBER 10, 1939. Class 6.

373,967. FLUID COMPOSITION FOR CLEANSING GLASS AND SIMILAR SURFACES. PLOMOCITE PRODUCTS, INC., Denver, Colo.
Filed August 7, 1939. Serial No. 422,377. PUBLISHED OCTOBER 17, 1939. Class 4.

373,968. VITAMIN PRODUCT. ANTON SALES COMPANY, Philadelphia, Pa.
Filed August 8, 1939. Serial No. 422,394. PUBLISHED OCTOBER 10, 1939. Class 6.

373,969. HEMOSTATIC PREPARATION. JAMES A. EAGER, doing business as The Denisk Co., Detroit, Mich.
Filed August 8, 1939. Serial No. 422,400. PUBLISHED OCTOBER 17, 1939. Class 6.

373,970. INTERLINING MATERIALS IN THE PIECE MADE OF WOOL, WORSTED, COTTON, AND MOHAIR, AND/OR COMBINATIONS THEREOF FOR MEN'S NECKWEAR. FOUNDATION WORSTED MILLS, Portland, Oreg.
Filed August 8, 1939. Serial No. 422,403. PUBLISHED OCTOBER 17, 1939. Class 42.

373,971. ESPECIALLY PREPARED NONALCOHOLIC, MALTLESS BEVERAGE CONTAINING ESSENTIAL VITAMINS AND MADE FROM TREE-RIPENED FRUIT AND FRESH VEGETABLES. WILLIAM H. RENNICK, Macon, Mo.
Filed August 8, 1939. Serial No. 422,419. PUBLISHED OCTOBER 17, 1939. Class 45.

373,972. MOTH-PROOFING COMPOSITIONS. TURNER-PFISTER CHEMICAL CORPORATION, Ridgefield, N. J.
Filed August 8, 1939. Serial No. 422,422. PUBLISHED OCTOBER 17, 1939. Class 6.

373,973. MOTH-PROOFING COMPOSITIONS. TURNER-PFISTER CHEMICAL CORPORATION, Ridgefield, N. J.
Filed August 8, 1939. Serial No. 422,427. PUBLISHED OCTOBER 17, 1939. Class 6.

373,974. PREPARATION FOR TONSILORAL AND THROAT IRRITATIONS. J. V. WALTERSON, SR., Miami, Fla.
Filed August 8, 1939. Serial No. 422,432. PUBLISHED OCTOBER 17, 1939. Class 6.

373,975. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. ALBERT M. AHERN, Santa Monica, Calif.
Filed August 9, 1939. Serial No. 422,434. PUBLISHED OCTOBER 17, 1939. Class 45.

373,976. FACE POWDER, POWDER FOUNDATION, CLEANSING CREAM, SKIN FRESHENER, MASSAGE CREAM, FACIAL MASK, HAIR RINSE, OIL SHAMPOO, AND BRILLIANTINE. EDNA ARTHUR, INC., Los Angeles, Calif.
Filed August 9, 1939. Serial No. 422,436. PUBLISHED OCTOBER 17, 1939. Class 6.

373,977. MEDICAL AND COMPRESSED TABLETS POSSESSING DIGESTIVE, STOMACHIC, ANTACID, STIMULATIVE, NEUTRALIZING, AND ADSORPTIVE PROPERTIES. ROBERT C. WHITE COMPANY, Falls of Schuylkill, Philadelphia, Pa.
Filed August 9, 1939. Serial No. 422,457. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,978. COFFEE. PUBLIC UTILITIES HONDURAS CORPORATION, Wilmington, Del., and New York, N. Y.
Filed August 8, 1939. Serial No. 422,459. PUBLISHED OCTOBER 17, 1939. Class 46.

373,979. COMPOUND FOR DEHUMIDIFICATION OF INTERIOR OF PACKAGES. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md.
Filed August 10, 1939. Serial No. 422,466. PUBLISHED OCTOBER 17, 1939. Class 6.

373,980. LAXATIVE. DR. W. E. EISENHART HEALTH PRODUCTS COMPANY, INC., Kansas City, Mo.
Filed August 10, 1939. Serial No. 422,469. PUBLISHED OCTOBER 17, 1939. Class 6.

373,981. RECTAL SALVE. DR. W. E. EISENHART HEALTH PRODUCTS CO., INCORPORATED, Kansas City, Mo.
Filed August 10, 1939. Serial No. 422,470. PUBLISHED OCTOBER 17, 1939. Class 6.

373,982. MALT TONIC. SCHOENHOFEN EDELWEISS COMPANY, Chicago, Ill.
Filed August 10, 1939. Serial No. 422,488. PUBLISHED OCTOBER 17, 1939. Class 48.

373,983. CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT COCKTAIL, CANNED MUSHROOMS, CANNED OLIVES, ETC. TIEDEMANN & MCMORRAN, San Francisco, Calif.
Filed August 10, 1939. Serial No. 422,495. PUBLISHED OCTOBER 17, 1939. Class 46.

373,984. MEDICINAL SUBSTANCE FOR THE TREATMENT OF VITAMIN AND NUTRITIONAL DEFICIENCIES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed August 10, 1939. Serial No. 422,497. PUBLISHED OCTOBER 17, 1939. Class 6.

373,985. SINKS, ESPECIALLY THOSE MADE OF NICKEL AND NICKEL ALLOYS. WHITEHEAD METAL PRODUCTS COMPANY, INC., New York, N. Y.
Filed August 10, 1939. Serial No. 422,498. PUBLISHED OCTOBER 17, 1939. Class 13.

373,986. LECITHINATED SALT. THE W. J. FITZPATRICK COMPANY, Chicago, Ill.
Filed August 10, 1939. Serial No. 422,500. PUBLISHED OCTOBER 17, 1939. Class 46.

373,987. INSECTICIDES. PAULINE ADAMS ARCHER, doing business as Archer Chemical Co., Grand Rapids, Mich.
Filed August 11, 1939. Serial No. 422,502. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,988. COFFEE FLAVORED, CARBONATED, NONALCOHOLIC, AND MALTLESS BEVERAGE SOLD AS A SOFT DRINK. SYFO SPRING WATER COMPANY, Kansas City, Mo.
Filed August 12, 1939. Serial No. 422,558. PUBLISHED OCTOBER 17, 1939. Class 45.

373,989. DETERGENTS—NAMELY, SHAVING SOAP AND SOAP PREPARATIONS. CALED PRODUCTS COMPANY, INC., Brentwood, Md.
Filed August 14, 1939. Serial No. 422,575. PUBLISHED OCTOBER 17, 1939. Class 4.

373,990. MEDICAL PREPARATION FOR RELIEVING PAIN. EMIL JOSEPH HANKE, Beverly Hills, Calif.
Filed August 14, 1939. Serial No. 422,581. PUBLISHED SEPTEMBER 19, 1939. Class 6.

373,991. SLIDE FASTENERS. R. H. MACY & CO., INC., New York, N. Y.
Filed August 14, 1939. Serial No. 422,589. PUBLISHED OCTOBER 17, 1939. Class 13.

373,992. INSECTICIDES. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed August 15, 1939. Serial No. 422,621. PUBLISHED OCTOBER 17, 1939. Class 6.

373,993. CALF LEATHER AND SHOE UPPER LEATHERS. HERMANN LOEWENSTEIN, New York, N. Y.
Filed August 15, 1939. Serial No. 422,630. PUBLISHED OCTOBER 17, 1939. Class 1.

373,994. CYLINDRICAL ROLLS OF COATED ABRASIVE MATERIAL (ABRASIVE PAPER AND CLOTH) PACKAGED WITH CUSHIONS AT EACH END. BEHR-MANNING CORPORATION, Watervliet and Troy, N. Y.
Filed August 16, 1939. Serial No. 422,653. PUBLISHED OCTOBER 17, 1939. Class 4.

373,995. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, ETC. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed August 16, 1939. Serial No. 422,659. PUBLISHED OCTOBER 17, 1939. Class 6.

373,996. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, ETC. COTY, INC., New York, N. Y.
Filed August 16, 1939. Serial No. 422,660. PUBLISHED OCTOBER 17, 1939. Class 6.

373,997. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, ETC. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed August 16, 1939. Serial No. 422,661. PUBLISHED OCTOBER 17, 1939. Class 6.

373,998. ALKYD SYNTHETIC RESINS. STROOCK & WITTENBERG CORPORATION, New York, N. Y.
Filed August 16, 1939. Serial No. 422,676. PUBLISHED OCTOBER 17, 1939. Class 1.

373,999. MODIFIED PHENOLIC AND OTHER MODIFIED SYNTHETIC CONDENSATE RESINS. STROOCK & WITTENBERG CORPORATION, New York, N. Y.
Filed August 16, 1939. Serial No. 422,677. PUBLISHED OCTOBER 17, 1939. Class 1.

374,000. SYNTHETIC RESINS. STROOCK & WITTENBERG CORPORATION, New York, N. Y.
Filed August 16, 1939. Serial No. 422,678. PUBLISHED OCTOBER 17, 1939. Class 1.

374,001. PHOTOGRAPHIC FILM. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed August 17, 1939. Serial No. 422,686. PUBLISHED OCTOBER 17, 1939. Class 26.

374,002. SENSITIZED PHOTOGRAPHIC PAPER. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed August 17, 1939. Serial No. 422,687. PUBLISHED OCTOBER 17, 1939. Class 26.

374,003. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS AND FILMS. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed August 17, 1939. Serial No. 422,689. PUBLISHED OCTOBER 17, 1939. Class 26.

374,004. WATCHES AND PARTS THEREOF. ALFRED GLARDEN, New York, N. Y.
Filed August 17, 1939. Serial No. 422,699. PUBLISHED OCTOBER 17, 1939. Class 27.

374,005. LACE FABRICS IN THE PIECE AND LACE CURTAINS. NORTH AMERICAN LACE CO., INC., New York, N. Y., and Philadelphia, Pa.
Filed August 17, 1939. Serial No. 422,711. PUBLISHED OCTOBER 17, 1939. Class 42.

374,006. WRITING PAPER AND ENVELOPES. PERRY BROTHERS, INCORPORATED, Lufkin, Tex.
Filed August 17, 1939. Serial No. 422,715. PUBLISHED OCTOBER 17, 1939. Class 37.

374,007. LETTERING AND SKETCHING PENS. THE SPENCERIAN PEN COMPANY, New York, N. Y.
Filed August 17, 1939. Serial No. 422,717. PUBLISHED OCTOBER 17, 1939. Class 37.

374,008. TIRE SPREADING MACHINES. BOWES SEAL FAST CORPORATION, Indianapolis, Ind.
Filed August 18, 1939. Serial No. 422,732. PUBLISHED OCTOBER 17, 1939. Class 23.

374,009. CORROSION RESISTANT CHEMICAL COMPOUND. HAVEG CORPORATION, Newark, Del.
Filed August 18, 1939. Serial No. 422,746. PUBLISHED OCTOBER 17, 1939. Class 6.

374,010. HOPS. THE INTERNATIONAL UNION OF UNITED BREWERY, FLOUR, CEREAL AND SOFT DRINK WORKERS OF AMERICA, Cincinnati, Ohio.
Filed August 18, 1939. Serial No. 422,747. PUBLISHED OCTOBER 17, 1939. Class 1.

374,011. MANICURING KITS AND MANICURING IMPLEMENTS FOR USE IN THE MANICURE OF THE NAILS. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn.
Filed August 19, 1939. Serial No. 422,770. PUBLISHED OCTOBER 17, 1939. Class 44.

374,012. BITE PLATES FOR MAKING ARTIFICIAL DENTURES, DENTAL ARTICULATORS, AND APPARATUS FOR DETERMINING PROPER OCCLUSION FOR ARTIFICIAL DENTURES, OPOTOW DENTAL MANUFACTURING CORPORATION, New York, N. Y.
Filed August 19, 1939. Serial No. 422,784. PUBLISHED OCTOBER 17, 1939. Class 44.

374,013. NAIL POLISH. PEGGY SAGE, INC., New York, N. Y.
Filed August 19, 1939. Serial No. 422,785. PUBLISHED OCTOBER 17, 1939. Class 6.

374,014. PINE DISINFECTANT. WEST DISINFECTING COMPANY, Long Island City, N. Y.
Filed August 19, 1939. Serial No. 422,790. PUBLISHED OCTOBER 17, 1939. Class 6.

374,015. DEODORIZING FLUID. WEST DISINFECTING COMPANY, Long Island City, N. Y.
Filed August 19, 1939. Serial No. 422,791. PUBLISHED OCTOBER 17, 1939. Class 6.

374,016. A-2 PRINTING PAPER. THE MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn.
Filed August 23, 1939. Serial No. 422,844. PUBLISHED OCTOBER 17, 1939. Class 37.

374,017. CORDUROY IN THE PIECE. BOOTT MILLS, Lowell, Mass.
Filed August 23, 1939. Serial No. 422,889. PUBLISHED OCTOBER 17, 1939. Class 42.

374,018. VERMIFUGE. CHARLES D. JORDAN, doing business as C. D. Jordan's Laboratory, Monticello, Ga.
Filed August 23, 1939. Serial No. 422,899. PUBLISHED OCTOBER 17, 1939. Class 6.

374,019. CIGARS. MARTA CIGAR CO., New York, N. Y.
Filed August 23, 1939. Serial No. 422,904. PUBLISHED OCTOBER 17, 1939. Class 17.

374,020. PIECE GOODS—NAMELY, KNITTED FABRIC WITH A WOOL AND MOHAIR FACE. BUCKLEY & COHEN, INCORPORATED, New York, N. Y.
Filed August 24, 1939. Serial No. 422,923. PUBLISHED OCTOBER 17, 1939. Class 42.

374,021. RAZORS AND RAZOR BLADES. CONTINENTAL BLADE CORPORATION, Brooklyn, N. Y.
Filed August 24, 1939. Serial No. 422,926. PUBLISHED OCTOBER 17, 1939. Class 23.

374,022. COLD TABLETS. LOUIS BURNSTEIN, doing business as Burco Products Co., Platte City, Mo.
Filed August 28, 1939. Serial No. 423,054. PUBLISHED OCTOBER 17, 1939. Class 6.

374,023. HOP FLAVORING FOR MALT BEVERAGES. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed August 28, 1939. Serial No. 423,074. PUBLISHED OCTOBER 17, 1939. Class 48.

374,024. PREPARATIONS FOR STIMULATING THE GROWTH OF THE HAIR, HAIR DRESSINGS, HAIR STRAIGHTENERS AND GLOSSES, SHAMPOOS, AND SALVES OR OINTMENTS FOR THE TREATMENT OF DANDRUFF, FALLING HAIR, AND ITCHING SCALP. WILLIE R. DUDLEY, doing business as Mme. W. R. Dudley Mfg. Co., Washington, D. C.
Filed August 29, 1939. Serial No. 423,089. PUBLISHED OCTOBER 17, 1939. Class 6.

374,025. COTTON PIECE GOODS. COTOPA LIMITED, Bradford, England.
Filed August 30, 1939. Serial No. 423,128. PUBLISHED OCTOBER 17, 1939. Class 42.

374,026. COTTON PIECE GOODS. COTOPA LIMITED, Bradford, England.
Filed August 30, 1939. Serial No. 423,130. PUBLISHED OCTOBER 17, 1939. Class 42.

374,027. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS, AND EXTRACTS FOR MAKING THE SAME. EDWARD BROUGH, doing business as Brough Bottlers Supply Co., Cleveland, Ohio.
Filed September 1, 1939. Serial No. 423,204. PUBLISHED OCTOBER 17, 1939. Class 45.

374,028. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. DR. PEPPER BOTTLING COMPANY, Marion, Va.
Filed September 1, 1939. Serial No. 423,209. PUBLISHED OCTOBER 17, 1939. Class 45.

374,029. KNITTED RAYON TEXTILE FABRICS IN THE PIECE. PRINCETON KNITTING MILLS, INCORPORATED, Watertown, Conn., and New York, N. Y.
Filed September 1, 1939. Serial No. 423,229. PUBLISHED OCTOBER 17, 1939. Class 42.

374,030. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,348. Class 38.

374,031. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,349. Class 38.

374,032. NEWSPAPER COLUMN. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,350. Class 38.

374,033. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,351. Class 38.

374,034. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,352. Class 38.

374,035. SERIES OF CARTOONS. CHICAGO-TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,353. Class 38.

374,036. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,354. Class 38.

374,037. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,355. Class 38.

374,038. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,356. Class 38.

374,039. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,357. Class 38.

374,040. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,358. Class 38.

374,041. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,359. Class 38.

374,042. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,360. Class 38.

374,043. NEWSPAPER COLUMN. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,361. Class 38.

374,044. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 28, 1939. Serial No. 423,362. Class 38.

374,045. ARTIFICIAL TEETH. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y.
Filed September 11, 1939. Serial No. 423,494. PUBLISHED OCTOBER 17, 1939. Class 44.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

374,046. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAILEY METER COMPANY, Cleveland, Ohio. Filed Mar. 29, 1934. Serial No. 349,262.

BAILEY BOILER METER

For Meters and Devices Adapted to Continuously Indicate and/or Record in Comparison and Value-Determining Relation the Instantaneous Values of the Rate of Flow of Two or More Flowing Fluids of a Power Producing or Utilizing Apparatus, and Charts for Use Therewith.
Claims use since December, 1913.

374,047. (CLASS 43. THREAD AND YARN.) FLEISHER YARNS, INC., New York, N. Y. Filed June 23, 1937. Serial No. 394,410.

BEAUTY LUSTRE

For Rayon and Wool Hand Knitting Yarns.
Claims use since Feb. 5, 1923.

374,048. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES.) THE YALE RUBBER COMPANY INC., Akron, Ohio. Filed Dec. 3, 1937. Serial No. 400,442.

YALE

For Rubber Tires and Tubes.
Claims use since October, 1931.

374,049. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICHOLAS C. COAN, doing business as Redi-Rice Company, Houston, Tex. Filed Oct. 28, 1938. Serial No. 412,124.

REDI-RICE

For Pre-Cooked, Free Flowing Dry Rice.
Claims use since Oct. 17, 1938.

374,050. (CLASS 20. MEASURING AND SCIENTIFIC APPLIANCES.) WHOLESALE PHOTOGRAPHIC SUPPLY COMPANY, New York, N. Y. Filed Nov. 16, 1938. Serial No. 412,841.

flashgard

For Shields to Prevent Scattering of Broken Glass of Photo Bulbs.
Claims use since Sept. 19, 1938.

374,051. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed Nov. 29, 1938. Serial No. 413,216.

TWEED-KNIT

For Yarns.
Claims use since Oct. 25, 1938.

374,052. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE K. TAYLOR DISTILLING CO., INC., Frankfort, Ky. Filed Dec. 31, 1938. Serial No. 414,415.



For Whiskey.
Claims use since October, 1938.

374,053. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) WALTER B. MOORE, INC., West Lafayette, Ohio. Filed Jan. 24, 1939. Serial No. 415,183.

DRIPMOR

For Hollow Ware. Porcelain.
Claims use since Nov. 8, 1938.

374,054. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COOK COFFEE COMPANY, Cleveland, Ohio. Filed Apr. 5, 1939. Serial No. 417,869.

Sheer

For Soap Flakes.
Claims use since Aug. 22, 1938.

374,055. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANK T. DUDLEY, Vancouver, British Columbia, Canada. Filed July 13, 1939. Serial No. 421,511.

Vanitylite

For Electric Light Fixtures for Use in Bathrooms, Dressing Rooms, or the Like.
Claims use since Nov. 21, 1932.

374,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED L. OTTONONI, Santa Rosa, Calif. Filed May 26, 1939. Serial No. 419,873.

GRAVY AID

For Italian Food Seasoning Composed of Herbs in Powdered Form and Carefully Blended.
Claims use since Mar. 5, 1938.

374,057. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Sept. 7, 1939. Serial No. 423,390.

WEBSTER

For Oil Burner Apparatus—Namely, Liquid Fuel Strainers, and Combined Fuel Units, Including Strainers, Pumps, and Valves.
Claims use since July 1, 1932.

374,058. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN CABINET HARDWARE CORP., Rockford, Ill. Filed Oct. 4, 1939. Serial No. 424,188.

Luster Chrome

For Drawer and Door Pulls, Knobs, and Hinges.
Claims use since July 29, 1938.

374,059. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MEYER & LANOE, INC., New York, N. Y. Filed Oct. 27, 1939. Serial No. 424,967.

Old Baracoa

For Rum.
Claims use since June 8, 1938.

374,060. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DUART MANUFACTURING CO., LTD., San Francisco, Calif. Filed Nov. 4, 1939. Serial No. 425,235.

AUTO THERMIC

For Chemical Heating Pads for Permanent Hair Waving.
Claims use since May 17, 1938.

374,061. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md. Filed Nov. 7, 1939. Serial No. 425,381.

NORWOOD

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials and Liqueurs.
Claims use since Jan. 5, 1937.

TRADE-MARK REGISTRATIONS RENEWED

17,641. **U S, ETC.** HYDRAULIC HOSE (RUBBER-LINED, SEAMLESS, ONE-PLY AND COTTON-FABRIC). Registered March 11, 1890. EUREKA FIRE HOSE COMPANY. Re-renewed March 11, 1940, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

17,838. **AMERICAN, ETC.** WATCH MOVEMENTS. Registered April 29, 1890. AMERICAN WALTHAM WATCH COMPANY, Waltham, Mass., and New York, N. Y. Re-renewed April 29, 1940, to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts. assignee by mesne assignments.

125,618. **50.** PNEUMATIC RIVETING-HAMMERS. Registered June 3, 1919. CHICAGO PNEUMATIC TOOL COMPANY, Chicago, Ill. Renewed June 3, 1939, to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey.

125,619. **90.** PNEUMATIC RIVETING-HAMMERS. Registered June 3, 1919. CHICAGO PNEUMATIC TOOL COMPANY, Chicago, Ill. Renewed June 3, 1939, to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey.

125,621. **80.** PNEUMATIC RIVETING-HAMMERS. Registered June 3, 1919. CHICAGO PNEUMATIC TOOL COMPANY, Chicago, Ill. Renewed June 3, 1939, to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey.

127,575. **WINTOGENO.** A MENTHOL AND WINTERGREEN CREAM. Registered November 18, 1919. ANGLO-AMERICAN PHARMACEUTICAL CORPORATION. Renewed November 18, 1939, to Etna Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

127,579. **RAZAVA.** BREAD. Registered November 18, 1919. H. BALDINGER & COMPANY. Renewed November 18, 1939, to Samuel C. Baldinger, doing business as Baldinger Bakery Co., St. Paul, Minn., assignee.

127,594. **CONKEY'S.** REMEDIES FOR CERTAIN NAMED DISEASES OF POULTRY AND STOCK. Registered November 18, 1919. THE G. E. CONKEY CO., Cleveland, Ohio, a corporation of Ohio. Renewed November 18, 1939.

127,595. **A SICK ROOSTER.** REMEDIES FOR CERTAIN NAMED DISEASES OF POULTRY AND STOCK. Registered November 18, 1919. THE G. E. CONKEY CO., Cleveland, Ohio, a corporation of Ohio. Renewed November 18, 1939.

127,786. **KLIPPER KLUB.** SKATES. Registered December 2, 1919. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed December 2, 1939.

127,824. **ILLUSTRATED DAILY NEWS.** A DAILY PUBLICATION. Registered December 9, 1919. MACDONALD DE WITT, assignor to The News Syndicate Co., Inc. Renewed December 9, 1939, to News Syndicate Co. Inc., New York, N. Y., a corporation of New York, assignee.

127,895. **WESTERN ELECTRIC.** BAR-SOLDER AND RESIN-CORE SOLDER. Registered December 9, 1919. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed December 9, 1939.

127,989. **CLAY-BANK.** SHOVELS, SPADES, AND SCOOPS. Registered December 16, 1919. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed December 16, 1939.

128,100. **VICE-CHAIR.** CIGARETTES. Registered December 23, 1919. R. J. LEA, LIMITED, Manchester, England. Renewed December 23, 1939, to John Sinclair Limited, Newcastle-on-Tyne, England, a corporation of Great Britain, assignee.

128,101. **TOURNAMENT.** CIGARETTES. Registered December 23, 1919. R. J. LEA, LIMITED, Manchester, England. Renewed December 23, 1939, to John Sinclair Limited, Newcastle-on-Tyne, England, a corporation of Great Britain, assignee.

128,130. **ATLANTIC MILLS.** WOOLEN PIECE GOODS. Registered December 23, 1919. ATLANTIC MILLS, Providence, R. I. Renewed December 23, 1939, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware, assignee.

128,169. **WINNER.** RUBBER AND CANVAS BICYCLE-TIRES AND INNER TUBES. Registered December 23, 1919. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed December 23, 1939.

128,209. **FIFTH AVENUE.** WRITING-PAPER, ENVELOPS, AND PAPETERIES, BLOTTING-PAPER, AND BLOTTERS. Registered December 23, 1919. F. W. WOOLWORTH CO., Watertown and New York, N. Y. Renewed December 23, 1939, to F. W. Woolworth Co., New York, N. Y., a corporation of New York.

128,472. **ZEPP'S.** HAIR-TONIC. Registered January 6, 1920. T. NOONAN & SONS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed January 6, 1940.

128,610. **TITAN.** CANVAS AND CLOTH-TOP SHOES, OUTING-SHOES, AND RUBBER FOOTWEAR. Registered January 13, 1920. APSLEY RUBBER COMPANY, Hudson, Mass. Renewed January 13, 1940, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee.

128,693. **FEDERAL.** SNAP-FASTENERS AND PLACKET-FASTENERS. Registered January 13, 1920. FEDERAL SNAP FASTENER CORPORATION, New York, N. Y. Renewed January 13, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

129,209. **AVRO.** TURNBUCKLES, METAL NAME-PLATES, AND METAL INSTRUCTION-PLATES. Registered January 27, 1920. A. V. ROE & CO. LIMITED, Manchester, England, a corporation of Great Britain. Renewed January 27, 1940.

129,210. **AVRO.** TURNBUCKLES, METAL NAME-PLATES, AND METAL INSTRUCTION-PLATES. Registered January 27, 1920. A. V. ROE & CO. LIMITED, Manchester, England, a corporation of Great Britain. Renewed January 27, 1940.

129,235. **CIRCOMAT.** RUBBER MATS AND RUBBER MATTINGS. Registered January 27, 1920. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed January 27, 1940, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

129,333. **KYANIZE.** PAINTS AND ENAMELS FOR WOOD, METAL, AND THE LIKE. Registered February 17, 1920. BOSTON VARNISH COMPANY, Everett, Mass., a corporation of Maine. Renewed February 17, 1940.

129,379. **MILTON.** DISINFECTING FLUIDS. Registered February 17, 1920. MILTON MANUFACTURING COMPANY, LIMITED. Renewed February 17, 1940, to Milton Proprietary Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

129,977. **BELBER.** TRUNKS, SUITCASES, HAND-BAGS, TRAVELING BAGS AND CASES, AND POCKET-BOOKS. Registered March 16, 1920. THE BELBER TRUNK & BAG COMPANY, Philadelphia, Pa. Renewed March 16, 1940, to The Belber Trunk and Bag Company, Woodbury, N. J., a corporation of New Jersey, assignee.

130,058. **LUX.** ALARM-CLOCKS AND OTHER CLOCKS. Registered April 6, 1920. DE LUXE CLOCK & MFG. CO. INC., New York, N. Y. Renewed April 6, 1940, to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn., a corporation of Connecticut, assignee.

130,220. **RAMO.** FLOUR. Registered April 13, 1920. OMAHA FLOUR MILLS CO. Renewed April 13, 1940, to Omar Incorporated, Omaha, Nebr., a corporation of Delaware, assignee.

130,430. **VANITY FAIR.** HOSIERY. Registered April 20, 1920. VANITY FAIR SILK MILLS, Reading, Pa., a corporation of Pennsylvania. Renewed April 20, 1940.

130,554. **NATIONAL, ETC.** METALS—NAMELY, ENGRAVERS' PLATES IN BLANK, OF COPPER, STEEL, AND ZINC. Registered April 27, 1920. NATIONAL STEEL & COPPER PLATE CO., Chicago, Ill., a corporation of Illinois. Renewed April 27, 1940.

130,575. **LOCHSPUN.** CERTAIN NAMED GARMENTS FOR MEN, WOMEN, AND CHILDREN. Registered April 27, 1920. FRANKLIN SIMON & Co., INC., New York, N. Y., a corporation of New York. Renewed April 27, 1940.

130,585. **CONSERVO.** STEAM-COOKERS. Registered April 27, 1920. THE TOLEDO COOKER COMPANY. Renewed April 27, 1940, to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio, by change of name.

130,635. **ACE.** ALL-COTTON ELASTIC BANDAGE. Registered May 4, 1920. BECTON, DICKINSON & Co., Rutherford, N. J., a corporation of New Jersey. Renewed May 4, 1940.

130,695. **CHEVRON.** BACON, HAMS, PURE LARD, CANNED BEEF, SAUSAGE, OX-TONGUES, LUNCH-TONGUES, AND PORK AND BEANS. Registered May 4, 1920. THE WILLIAM DAVIES COMPANY, LIMITED, Chicago, Ill., a corporation of Illinois. Renewed May 4, 1940.

130,810. **HEALTH MAKERS.** BOYS' AND GIRLS' SHOES MADE WHOLLY OR IN PART OF LEATHER. Registered May 4, 1920. H. F. MALOTT SHOE Co., Chicago, Ill., a corporation of Illinois. Renewed May 4, 1940.

130,971. **BBB.** PLACKET-FASTENERS, GLOVE-FASTENERS, BUTTONS, SNAP-FASTENERS, AND CLASPS FOR PERSONAL WEAR. Registered May 4, 1920. WALDES & Co., Prague, Bohemia. Renewed May 4, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

130,978. **W.** CERTAIN NAMED NOTIONS. Registered May 4, 1920. WALDES & Co., Prague, Bohemia. Renewed May 4, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

131,150. **RAINBO.** FIELD AND GRASS SEEDS. Registered May 4, 1920. KELLOGG SEED COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed May 4, 1940.

131,208. **CRYSTAL WHITE.** SOAP. Registered May 4, 1920. PEET BROS. MANUFACTURING COMPANY, Kansas City, Kans. Renewed May 4, 1940, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee by mesne assignments.

131,220. **RHODESSA.** BEDSPREADS, SHEETS, PILLOW-CASES, AND SHEETING. Registered May 4, 1920. EDWIN K. RHOADS. Renewed May 4, 1940, to Rhoads & Company, Philadelphia, Pa., a firm, assignee.

131,278. **ALCO.** STEAM-ENGINE REVERSE-GEAR. Registered May 11, 1920. AMERICAN LOCOMOTIVE COMPANY, Schenectady and New York, N. Y. Renewed May 11, 1940, to American Locomotive Company, New York, N. Y., a corporation of New York.

131,363. **PISO'S.** A PREPARATION FOR COUGHS AND COLDS. Registered May 11, 1920. THE PISO COMPANY, Warren, Pa., a corporation of Pennsylvania. Renewed May 11, 1940.

131,402. **AMERICAN TOOL, ETC.** CERTAIN NAMED MACHINERY AND TOOLS. Registered May 18, 1920. AMERICAN TOOL & MACHINE Co., Boston, Mass. Renewed May 18, 1940, to American Tool & Machine Co., Hyde Park, Mass., a corporation of Massachusetts.

131,453. **VEINO-VASCULAR.** EMBALMING FLUID FOR USE IN THE VEINO-VASCULAR METHOD OF EMBALMING. Registered May 18, 1920. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn., a corporation of Connecticut. Renewed May 18, 1940.

131,492. **ALMOMEAL.** A POWDERED PREPARATION IN THE NATURE OF A SOAP FOR CLEANSING AND BEAUTIFYING THE SKIN. Registered May 18, 1920. HOLTON & ADAMS, New York, N. Y., a corporation of New York. Renewed May 18, 1940.

131,532. **EYE SHA-DO.** CAKE FACE-POWDER USED FOR THE COMPLEXION. Registered May 18, 1920. FLORENCE N. LEWIS. Renewed May 18, 1940, to Elizabeth Arden, Inc., New York, N. Y., a corporation of New York, assignee.

131,539. **DERMALINE OF ROSES.** TOILET LOTION. Registered May 18, 1920. THE LORENZ COMPANY, Everett, Mass., assignor to Mihalovitch Brothers Company. Renewed May 18, 1940, to The Zanol Products Company, Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments.

131,626. **PAN-TOX.** COMBINED INSECTICIDE AND FUNGICIDE. Registered May 18, 1920. STANDARD CHEMICAL WORKS. Renewed May 18, 1940, to Allegheny Chemical Corporation, Reading, Pa., a corporation of Delaware, assignee.

131,644. **EXCELWEAR.** BROADCLOTH. Registered May 18, 1920. TURNER & WALLS. Renewed May 18, 1940, to Albert H. Vandam Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

LABELS

REGISTERED DECEMBER 26, 1939

54,040.—*Title:* "STEAD" TRUE TEMPER RAIL ANCHORS. For Rail Anchors. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Published July 1, 1939.

54,041.—*Title:* BLUE RIBBON QUALITY FEEDS. For Dairy Feed. ASHLAND MILLING COMPANY, Ashland, Ky. Published November 7, 1939.

54,042.—*Title:* GRACIOUS LADY DRESSES. For Dresses. BARMON BROTHERS COMPANY, INC., Buffalo, N. Y. Published November 27, 1939.

54,043.—*Title:* BOTTLERS' LEMON. For Bottlers' Lemon. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published April 1, 1939.

54,044.—*Title:* MONOPOL. For Cigarettes. CHOJNACKI TOBACCO COMPANY, Erie, Pa. Published November 25, 1939.

54,045.—*Title:* AMERICAN MADE SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 27, 1938.

54,046.—*Title:* BOND BETTER SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published August 3, 1939.

54,047.—*Title:* BOND HILL. For Footwear. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 10, 1939.

54,048.—*Title:* DISTINCTIVE FOOTWEAR. For Footwear. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 21, 1939.

54,049.—*Title:* DUNHILL ENGLISH TREND SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published March 20, 1939.

54,050.—*Title:* EXQUISITE FOOTWEAR. For Footwear. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published July 24, 1939.

54,051.—*Title:* THE HAMILTON SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published July 24, 1939.

54,052.—*Title:* POLICE SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published July 5, 1939.

54,053.—*Title:* SNAPPY SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 10, 1939.

54,054.—*Title:* SPORTS-ON FINE SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published July 8, 1939.

54,055.—*Title:* SONNY'S BLACK FOREST. For Beer. THE CLEVELAND HOME BREWING COMPANY, Cleveland, Ohio. Published November 10, 1939.

54,056.—*Title:* AUNT NELLIE'S GARDEN GREEN. For Canned Peas. CLYMAN CANNING COMPANY, INC., also doing business as Clyman Canning Co., Hartford, Wis. Published August 17, 1939.

54,057.—*Title:* COLONIAL TIZ-LITE EXTERIOR SOFT PASTE PAINT. For an Exterior Soft Paste Paint. COLONIAL WORKS, Brooklyn, N. Y. Published November 24, 1939.

54,058.—*Title:* DEKNATEL SILK RE-STRINGING CORD. For Silk Re-Stringing Cords for Beads. J. A. DEKNATEL & SON INC., Queens Village, N. Y. Published November 14, 1939.

54,059.—*Title:* PICKWICK CLUB. For Handkerchiefs. R. W. ELDRIDGE COMPANY, INC., Charlotte, N. C. Published November 22, 1939.

54,060.—*Title:* OLDE RYE. For a Blend of Straight Rye Whiskies. E. M. FLEISCHMANN DISTILLING CORP., Lansdowne, Md. Published November 7, 1939.

54,061.—*Title:* FULOTŌN. For a Family Medicine. FUL-O-TONE COMPANY, Houston, Tex. Published November 6, 1939.

54,062.—*Title:* HOTELIER. For California Rhine Wine. CHARLES J. GRAEF, New York, N. Y. Published October 25, 1939.

54,063.—*Title:* SŪP R POPT. For Popcorn. DWIGHT HAMLIN CO., Pittsburgh, Pa. Published May 23, 1939.

54,064.—*Title:* HAZ-A-WEAR HAZ-A-SEAL. For Reinforcing and Extender Vehicles Used in Mixing Paste Whites and Colors. THE HAZARD LEAD WORKS, INC., Brooklyn, N. Y. Published October 30, 1939.

54,065.—*Title:* HAZ-A-WEAR EXTERIOR PRIMER WHITE. For an Exterior Primer. THE HAZARD LEAD WORKS, INC., Brooklyn, N. Y. Published November 10, 1939.

54,066.—*Title:* HAZ-A-WEAR HAZ-A-LUX WHITE ENAMEL. For a White Enamel. THE HAZARD LEAD WORKS, INC., Brooklyn, N. Y. Published November 10, 1939.

54,067.—*Title:* HOBO LIGHT BREAD. For Bread. HOWE ANDERSON BAKERY, Galesburg, Ill. Published August 9, 1939.

54,068.—*Title:* "HAPPY BIRTHDAY" EDIBLE CANDY BIRTHDAY CAKE LETTERS. For Edible Candy Birthday Cake Letters. KNORPP CORPORATION, doing business as Knorpp's, Brooklyn, N. Y. Published November 2, 1939.

54,069.—*Title:* LENGACHER'S SWISS CHEESE. For Sliced Swiss Cheese. GODFREY LENGACHER, Sugarcreek, Ohio. Published October 26, 1939.

54,070.—*Title:* DER-MA-TEX, A PENETRABLE TREATMENT FOR INDICATIONS OF PSORIASIS. For a Penetrable Treatment for Indications of Psoriasis. MAY R. LEWIS, doing business as Der-Ma-Tex Company, Little Rock, Ark. Published September 25, 1939.

54,071.—*Title:* COCO-WHEATS. For Cocoa Coated Wheat Cereal. LITTLE CROW MILLING MACHINE, INC., Warsaw, Ind. Published August 28, 1939.

54,072.—*Title:* MARKWELL 5000 RU STAPLES. For Staples. MARKWELL MFG. CO., INC., New York, N. Y. Published November 16, 1939.

54,073.—*Title:* MARKWELL 5000 RUD STAPLES. For Staples. MARKWELL MFG. CO., INC., New York, N. Y. Published November 16, 1939.

54,074.—*Title:* KLENZIP. For a General Cleanser, Water Softener and Grease Remover. MCCLAIN BROTHERS COMPANY, Canton, Ohio. Published September 1, 1939.

54,075.—*Title:* MEAD'S ASCORBIC ACID TABLETS. For Ascorbic Acid Tablets. MEAD JOHNSON & COMPANY, Evansville, Ind. Published November 16, 1939.

54,076.—*Title:* MEAD'S NICOTINIC ACID TABLETS. For Nicotinic Acid Tablets. MEAD JOHNSON & COMPANY, Evansville, Ind. Published November 16, 1939.

54,077.—*Title:* MEAD'S THIAMIN CHLORIDE TABLETS. For Thiamin Chloride Tablets. MEAD JOHNSON & COMPANY, Evansville, Ind. Published November 16, 1939.

54,078.—*Title:* FLAMBEAU LAND CREAMERY BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published November 1, 1939.

54,079.—*Title:* DEL MAIZ. For Cream Style Golden Canned Corn. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Published August 7, 1939.

54,080.—*Title:* GAYWAY LAGER BEER. For Lager Beer. MITSUI & Co., LTD., Tokyo, Japan. Published July 17, 1939.

54,081.—*Title:* SPRA-IT. For a Moth Repellent. DIRAN C. NAHIGIAN, Chicago, Ill. Published August 25, 1939.

54,082.—*Title:* SWEET GEORGIA BROWN SLEEPING BEAUTY NIGHT CREAM. For a Skin Cream. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 26, 1939.

54,083.—*Title:* SWEET GEORGIA BROWN ONE MINUTE SKIN LIGHTENER. For a Skin Cream. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 26, 1939.

54,084.—*Title:* AC'CENT. For a Card Game. STANLEY DAVID PALMER, Joplin, Mo. Published October 7, 1939.

54,085.—*Title:* DRAGON. For Fire Tanks. C. F. PARROTT, doing business as Parco Products Co., Allentown, Pa. Published July 15, 1939.

54,086.—*Title:* GOLDEN EAGLE. For Table Syrup. V. S. PATTERSON, Fayette, Ala. Published November 15, 1939.

54,087.—*Title:* VITA-HI. For Select Processed Soy Beans. CHARLES A. RAYMOND, doing business as Raymond Products Company, Marion, Ohio. Published October 11, 1939.

54,088.—*Title:* SCHLOSSER'S OAK GROVE BUTTER. For Butter. SCHLOSSER BROTHERS, INC., Frankfort, Ind. Published September 9, 1939.

54,089.—*Title:* CUBAN GIRL. For Canned Sliced Pineapple. ARTHUR SERRA AND CO., Chicago, Ill. Published June 28, 1938.

54,090.—*Title:* ALL AMERICAN. For Handkerchiefs. SOUTHERN HANDKERCHIEF MFG. CO., Greenville, S. C. Published November 10, 1939.

54,091.—*Title:* AMERICAN RYE BREAD. For Rye Bread. THE J. SPANG BAKING COMPANY, Cleveland, Ohio. Published October 10, 1939.

54,092.—*Title:* THE CANDY HOUSE. For Candy and Nuts. WILLIAM L. WHITE, Rochester, Minn. Published October 25, 1939.

54,093.—*Title:* WIGHT'S SHERBROOK. For Straight Rye Whiskey. THE FRANK L. WIGHT DISTILLING COMPANY, Loreley, Md. Published November 21, 1939.

54,094.—*Title:* "X" WELDER. For a Leak Stopping Compound for Radiators. "X" LABORATORIES, INC., New York, N. Y. Published November 2, 1939.

PRINTS

REGISTERED DECEMBER 26, 1939

17,767.—*Title:* SKI-JAMA. For Knit Pajamas. THE B. V. D. CORPORATION, New York, N. Y. Published July 14, 1939.

17,768.—*Title:* I BUY EVERYTHING FROM HOME-FOLKS. ARCADIAN, THE AMERICAN NITRATE OF SODA. For Nitrate of Soda. THE BARRETT COMPANY, New York, N. Y. Published September 15, 1939.

17,769.—*Title:* BEECH-NUT SPEARMINT CHEWING GUM. For Spearmint Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published November 21, 1939.

17,770.—*Title:* "TRY ON" YOUR NEW ROOM AT HOME. For Pile Fabric Floor Coverings. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Published November 13, 1939.

17,771.—*Title:* PRESENTING THE GREATEST COLLAR IMPROVEMENT IN RECENT YEARS. For Collars and Shirts. CELANESE CORPORATION OF AMERICA, New York, N. Y. Published December 1, 1939.

17,772.—*Title:* JONES "RADIANT HEAT" BAFFLE. For Oilburner Baffles. HOWARD EUGENE JONES, JR., Ferndale, Mich. Published October 23, 1939.

17,773.—*Title:* MARY GETS HER MAN. For Toast and Jam Sets Consisting of a Walnut Tray, Jam and Marmalade Jars and an Automatic Toaster. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Published November 18, 1939.

17,774.—*Title:* A DIFFERENT UNIT OF HAND-BRUSHED, MAROON-ENAMELED, 22-KARAT COIN-GOLD SCROLL BORDER ROYAL RAJAH MAROON DINNERWARE CONSISTING OF 2 PIECES EACH WEEK FOR 49¢. For Dinnerware and Food Products. PARAMOUNT PREMIUMS INC., New York, N. Y. Published September 11, 1939.

17,775.—*Title:* ROYAL RAJAH MAROON DINNERWARE CONSISTING OF TWO PIECES EACH WEEK FOR 49¢. For Dinnerware and Food Products. PARAMOUNT PREMIUMS INC., New York, N. Y. Published September 25, 1939.

17,776.—*Title:* NOW! A RAISIN LOAF MADE WITH SUN-KIST NATURAL SUN DRIED SEEDLESS RAISINS. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, doing business as Wm. A. Schautz Co., Scranton, Pa. Published May 17, 1939.

17,777.—*Title:* SERVE YOUR FAMILY THIS NEW LOAF. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, doing business as Wm. A. Schautz Co., Scranton, Pa. Published May 22, 1939.

17,778.—*Title:* SUN-KIST—ENJOY IT DAILY! For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, doing business as Wm. A. Schautz Co., Scranton, Pa. Published June 8, 1939.

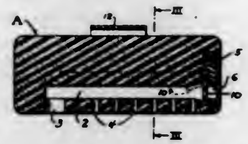
17,779.—*Title:* FROM THE LAND OF SUNSHINE. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, doing business as Wm. A. Schautz Co., Scranton, Pa. Published June 5, 1939.

17,780.—*Title:* FROM THE LAND OF SUNSHINE. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, doing business as Wm. A. Schautz Co., Scranton, Pa. Published May 18, 1939.

REISSUES

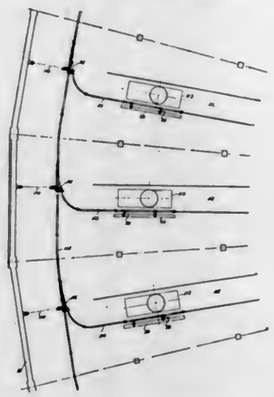
DECEMBER 26, 1939

21,307
SOAP HOLDER AND APPLICATOR
Leland J. Arms, San Francisco, Calif.
Original No. 2,127,901, dated August 23, 1938, Serial No. 126,188, February 17, 1937. Application for reissue April 26, 1939, Serial No. 270,250
9 Claims. (Cl. 15—122)



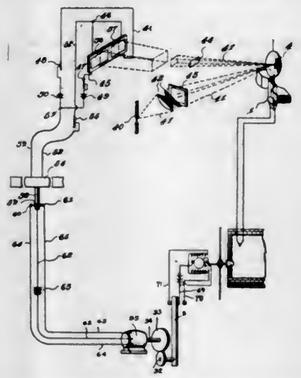
6. A combination soap holder and applicator comprising a body portion formed of a permeable material and having a compartment formed therein for the reception of a cake of soap, and a rigid plate secured in one side of the body and having an elongated opening formed therein in communication with the compartment through which a cake of soap of similar shape is insertable.

21,308
SYSTEM OF DRAFTING LOCOMOTIVES IN ROUNDHOUSES
Frans H. C. Coppus, Princeton, Mass., assignor, by mesne assignments, to Linwood M. Erskine, Vera W. Coppus, and Frans H. C. Coppus, as trustees
Original No. 1,669,455, dated May 15, 1928, Serial No. 56,113, September 14, 1925. Application for reissue December 22, 1938, Serial No. 247,729
63 Claims. (Cl. 104—52)



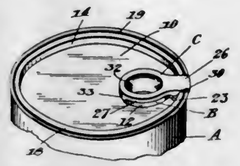
1. In a locomotive drafting plant, the combination with a plurality of smoke jacks, of a blower adapted to be applied to and removed from the stack of a locomotive for drafting the same, and means for movably supporting the blower above the level of the locomotive smoke stacks so that it can be moved around to positions under the different jacks to draft a number of locomotives in different positions, one at a time.

21,309
RECORDING AND CONTROL SYSTEM AND APPARATUS THEREFOR
Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Original No. 1,827,520, dated October 13, 1931, Serial No. 145,583, November 1, 1926. Application for reissue April 21, 1939, Serial No. 269,293
14 Claims. (Cl. 236—69)



7. In a control system, a galvanometer including a deflecting member, means for normally balancing said galvanometer, radiant energy responsive means for unbalancing said galvanometer and operating its deflecting member on a departure from normal of a control quantity, means responsive to the operation of said deflecting member tending to temporarily balance said galvanometer, and means simultaneously operative for effecting a control action tending to restore said quantity to its normal value.

21,310
CONTAINER STRUCTURE
Alexander S. Mackey, Clearview, Ontario, Canada, assignor, by mesne assignments, to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
Original No. 2,149,060, dated February 28, 1939, Serial No. 208,245, May 16, 1938. Application for reissue September 14, 1939, Serial No. 294,948
18 Claims. (Cl. 221—11)



1. Container structure comprising a container having an upwardly projecting peripheral flange surrounding its top, the latter having an outlet opening therein, pouring spout structure includ-

ing a defining wall positioned on the container top surrounding the outlet opening, a portion of said wall forming a spout sloping upwardly from the top of the container to a point substantially flush with the edge of the peripheral flange, said wall throughout being at the most no higher than the said peripheral flange, a cover for the pouring spout structure, having a downwardly projecting portion forming a stopper designed to fit within the opening in the top of the container, and an outwardly projecting portion designed to cover the spout, said cover being flanged to encase a major portion of the upper edge of said spout structure.

PLANT PATENTS

GRANTED DECEMBER 26, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

351
PEACH TREE
Vine Carson Campbell, Yakima County, Wash., assignor to Walter Dibble Plough, Wenatchee, Wash.
No Drawing. Application April 10, 1939, Serial No. 267,141
1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree substantially as described, having the appearance and qualities of the Rochester variety except that it produces ripened fruit from eighteen to twenty-one days earlier.

PATENTS

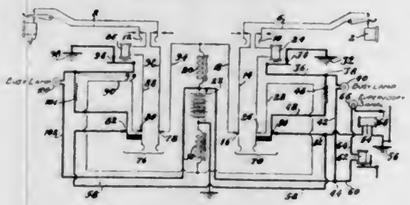
GRANTED DECEMBER 26, 1939

2,184,267
COURSE GUIDING SYSTEM
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1937, Serial No. 145,522
11 Claims. (Cl. 250—11)



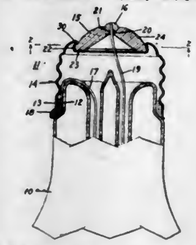
1. The combination, in a system for guiding aircraft along a course, of a plurality of high frequency radiating systems arranged at intervals along said course, each of said radiating systems including means for producing distinctive radiations at different angles in a vertical plane at right angles to the course, said intervals being sufficiently short that at the altitudes of usual flight along said course said distinctive radiations are substantially continuous throughout the entire length of the course.

2,184,268
SUPERVISORY CIRCUIT FOR TELEPHONE SWITCHBOARDS
Richard P. Boyer, Jr., Newton, Mass.
Application February 4, 1939, Serial No. 254,693
9 Claims. (Cl. 179—51)



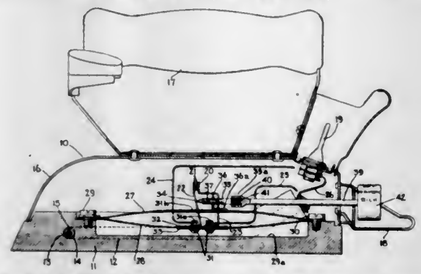
1. A telephone switchboard supervisory circuit comprising a plurality of parallel circuits, each including a lamp and a switch operab'e by a relay in series with a line, each of said parallel circuits having a common connection, said common connection including for each circuit a resistance and a manually operated switch, said common connection being connected to the ground, said ground connection including a relay, a connection extending from a point between said ground connection relay and the ground to said parallel circuits, said last-mentioned connection having therein a switch operable by said ground connection relay and a lamp.

2,184,269
BASE FOR INCANDESCENT LAMPS AND SIMILAR DEVICES
Carl A. Brown, Chardon, and Clarence E. Hahn, Cleveland, Ohio, assignors to General Electric Company, a corporation of New York
Application May 14, 1938, Serial No. 207,965
2 Claims. (Cl. 176—32)



1. A base for electric lamps or similar devices comprising a metal shell and a preformed insulator button at the upper end thereof, said button having a convex upper surface with a plurality of small spaced crescent-shaped projections at its periphery, said shell having at its upper end a re-entrant flange portion terminating in an inwardly extending flange forming a seat for the periphery of said button, the upper portion of said re-entrant flange being deformed to conform to the shape of the periphery of said button including the curved sides of said projections and overlying the upper surfaces thereof, the interengagement of said flange portion with the sides of said projections preventing relative rotational movement between said shell and button, and the periphery of said button being firmly clamped between the said inwardly extending flange and the portion of said re-entrant flange overlying said projections.

2,184,270
HEATING DEVICE
James R. Campbell, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application August 8, 1939, Serial No. 288,975
7 Claims. (Cl. 219—25)



7. A heating device comprising a heating member, means for heating said member, a pair of bow-shaped members having their ends secured to said heating members and said bowed members having different coefficients of expansion than said heating member so that they move

relatively to each other as the temperature of said heating member varies, and a switch for controlling said heating means mounted on one of said bow-shaped members and an actuator for said switch mounted on the other constructed and arranged to operate said switch to control said heating means as the bow-shaped members move relatively to each other responsively to temperature changes in said heating member so that a substantially constant temperature is maintained in said heating member.

2,184,271

MOLDABLE MATERIAL AND PROCESS OF FORMING SAME

Henry Seymour Colton, Shaker Heights, Ohio, assignor to H. Seymour Colton, M. J. Rentschler and James A. Weeks, as trustees

No Drawing. Application May 21, 1938, Serial No. 209,357

12 Claims. (Cl. 106—27)

1. A composition of matter adapted for formation into useful products by molding, extrusion or the like, which comprises a joint precipitate of calcium sulphate and iron hydroxide with another insoluble hydroxide, in the proportions by weight substantially of three parts sulphate to two parts hydroxides.

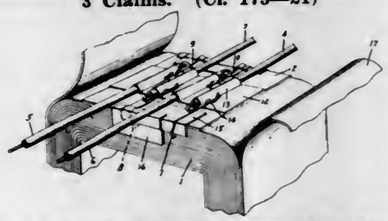
2,184,272

ELECTRICAL WINDING

Herbert L. Driftmeyer, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application December 17, 1937, Serial No. 180,351

3 Claims. (Cl. 175—21)



1. An electrical winding comprising an electrical conductor wound in a plurality of turns, a flat insulating member supported on said winding, spaced terminal leads on said member having their ends connected with said conductor, an adhesive member overlying said member and leads and firmly adhering to both to anchor the leads, at least one of said connections being bent back to overlie the adhesive member in the space between two adjacent leads and an outer insulation covering for said leads, connections and member.

2,184,273

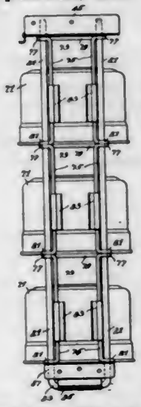
HOLDING MEANS FOR FLARES AND THE LIKE

Frederick B. Embury, Warsaw, N. Y., assignor to Embury Manufacturing Company, Warsaw, N. Y., a corporation of New York

Application February 5, 1938, Serial No. 188,959

5 Claims. (Cl. 211—59)

1. Means for holding a flare having two laterally spaced eyes, said holding means including two upstanding rods substantially parallel to each other and spaced from each other by a distance corresponding substantially to the lateral spacing of said eyes, a transverse rod connecting said two upstanding rods to each other adjacent their lower ends, mounting means encircling said transverse rod and forming a bearing in which said transverse rod may rotate so that said upstanding rods may swing with said transverse rod, and releasable latching means for holding the upper ends of said upstanding rods in substantially fixed position, said upper ends when



released from said latching means being swingable to a position in which a flare may be impaled on said rods by downward movement onto the free upper ends thereof or may be removed therefrom by a reverse movement.

2,184,274

FLUORESCENT MATERIALS

Gorton R. Fonda, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application June 17, 1938, Serial No. 214,384

3 Claims. (Cl. 250—81)

1. A fluorescent material consisting essentially of a calcium compound of the group consisting of the tungstate and the molybdate, said composition containing also about .5 to 3 per cent of samarium and about 1 per cent of lead calculated as elementary constituents and present in the composition as activators of fluorescence.

2,184,275

REDRYING OF TOBACCO

John M. Baer, Chicago, Ill., assignor to The Guardite Corporation, a corporation of Illinois

No Drawing. Application February 26, 1938, Serial No. 192,881

6 Claims. (Cl. 34—24)

1. The method of redrying tobacco which comprises substantially freeing the tobacco from non-condensible gases, heating the tobacco with superheated steam to an elevated temperature of at least 140° F. and then cooling the product by evaporation of contained moisture in a vacuum to produce a product of lower moisture content than the original tobacco.

2,184,276

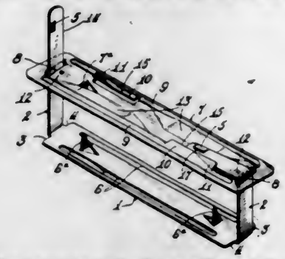
FASTENER

Daniel A. Brennan, Chicago, Ill.

Continuation of application Serial No. 640,149, October 29, 1932. This application September 12, 1938, Serial No. 229,570

40 Claims. (Cl. 24—153)

40. In a paper fastener, the combination with a base having prongs extending upwardly therefrom, a compressor having slots therein through which said prongs are adapted to extend and be bent over said compressor, said slots being parallel to each other and inclined relative to the length of the compressor to force the bent over



ends of the prongs out of parallel with the length of the compressor.

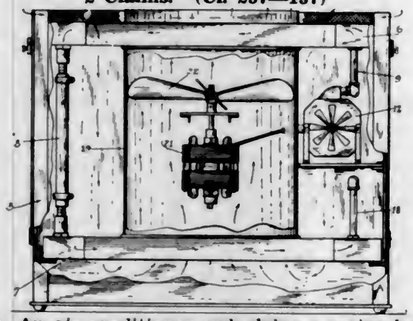
2,184,277

AIR CONDITIONER

Wallace Brown, Oakland, Calif.

Application August 1, 1938, Serial No. 222,499

2 Claims. (Cl. 257—137)



1. An air conditioner embodying a casing having spaced radiator elements mounted therein, means for conducting air through said elements comprising a drum having open ends contacting both of said elements, a motor driven fan positioned in said drum, whereby air may be drawn downwardly through the casing and about the sides of said drum and discharged upwardly through said drum and said radiator elements, and a motor driven circulatory system connecting the radiators, whereby a cooling fluid may be circulated through said radiator elements.

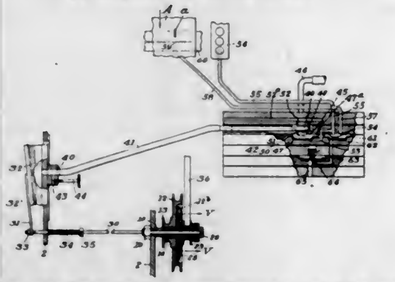
2,184,278

CARRIAGE RETURN MECHANISM FOR AUTOMATIC TYPEWRITERS

George W. Carlson, Pittsburgh, Pa., assignor to Robert H. McClintic, Pittsburgh, Pa.

Application January 29, 1936, Serial No. 61,355

10 Claims. (Cl. 197—20)



3. A carriage return mechanism of the class described comprising a motor driven member, a rotary clutch member movable between two positions in one of which it is rotated by the driven member, record-controlled means for effecting the operation of the clutch member to both positions, and means operated by the rotary clutch member for transmitting motion to a typewriter carriage.

2,184,279

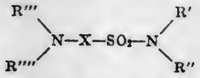
AMINO-ALIPHATIC SULPHONAMIDES AND PROCESS FOR PREPARING THEM

Walter G. Christiansen, Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application November 27, 1937, Serial No. 176,889

11 Claims. (Cl. 260—556)

1. A compound of the group consisting of: amino-aliphatic-sulphonamides of the general formula



wherein X is an aliphatic hydrocarbon group having no more than six carbon atoms, R′ and R″ represent each a member of the group consisting of hydrogen, lower alkyl and hydroxy-(lower alkyl), and R‴ and R⁗ represent each a member of the group consisting of hydrogen and lower alkyl; and acid-addition salts thereof.

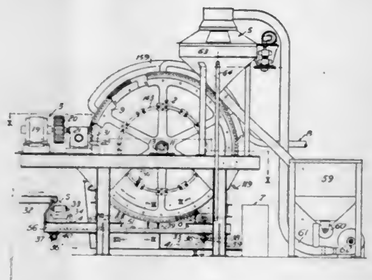
2,184,280

CLOSURE ASSEMBLY APPARATUS

Ralph R. Clark, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application April 3, 1936, Serial No. 72,489

27 Claims. (Cl. 219—13)



1. In an assembly machine for assembling liners and closure shells by heat, a carrier movable in a closed path, means thereon for holding a closure shell with a liner therein in assembly position, and means operating to supply a high frequency electrical field embracing a closure shell held on said carrier to generate heat in said shell.

2,184,281

METHOD OF MAKING CLOSURES

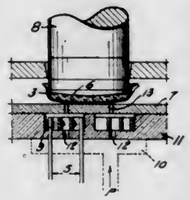
Ralph R. Clark, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application July 26, 1935, Serial No. 33,205

20 Claims. (Cl. 219—13)

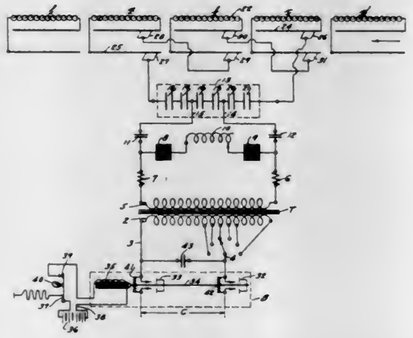
1. The method of making closures by heat activation of a material, the step consisting in

inducing electrical heating current within electrical current conducting material forming part



of a closure in an amount sufficient to activate said activatable material.

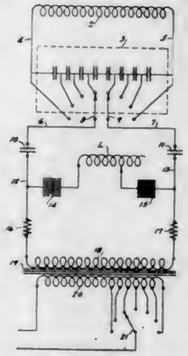
2,184,282
METHOD AND APPARATUS FOR SECURING ELEMENTS TOGETHER
Emil R. Capita, New York, N. Y.
Application July 26, 1935, Serial No. 33,336
24 Claims. (Cl. 219—11)



1. In the method of securing two elements together, at least one of which is susceptible to heating by induced electrical currents and is relatively thin, and at least one of which carries a heat activatable bonding agent, the steps consisting in subjecting at least the element capable of being heated by induced electrical currents to a high frequency field while said element is in motion, and moving said field and element together until temperature is reached sufficient to activate said bonding agent.

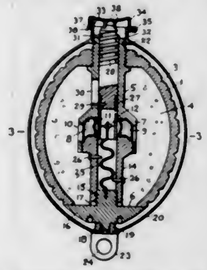
2,184,283
HEATING APPARATUS AND SUPPLY THEREFOR
Emil R. Capita, New York, N. Y.
Application July 26, 1935, Serial No. 33,337
Renewed March 18, 1939
18 Claims. (Cl. 250—36)

1. In an oscillator for supplying high frequency current, a symmetrical circuit including equal discharge means which, when discharged, produces a high frequency oscillatory current, an adjustable reactance means connected therebetween in series therewith and in the electrical center of the series, a complementary reactance means connected in series with equal blocking condensers, the blocking condensers being each respectively connected to the other terminals of the discharge means, both the said reactance means and the blocking condensers constituting a resonant circuit, the resonant frequency



of which is variable by adjustment of the first mentioned reactance means.

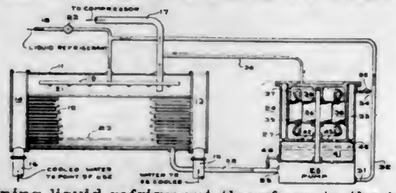
2,184,284
HAND GRENADE
Harold Coban, New York, N. Y.
Application May 20, 1938, Serial No. 209,029
5 Claims. (Cl. 102—29)



1. A hand grenade comprising a shell, a tubular member supported at its ends in the walls of the shell, the shell being adapted to contain explosives, an annular container for a fulminate in the tubular member, a plug in the tubular member, a star-shaped firing member, and a spring yieldably supporting at one end the firing member centrally of the annular container the other end of the spring being supported on the plug, the inner wall of the container being made of a thin material adapted to be pierced by the firing pin, the spring being adapted to be deflected sidewise by the force of inertia acting on the firing pin in any direction thereby causing the pin to pierce the wall of the fulminate container.

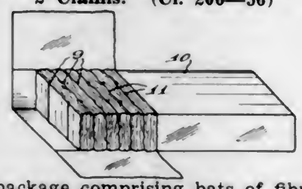
2,184,285
REFRIGERATING APPARATUS
Eldred P. Codling, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1938, Serial No. 187,617
12 Claims. (Cl. 62—126)

1. In refrigerating apparatus, the combination of an evaporator, means including a pump for circulating liquid refrigerant through the evaporator, a motor for driving the pump, a casing enclosing the pump and the motor, means for supplying liquid refrigerant to the motor containing portion of the casing, means for removing vaporized refrigerant therefrom, and means for



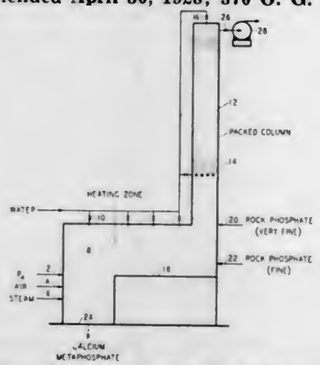
draining liquid refrigerant therefrom to the inlet of the pump.

2,184,286
FIBROUS BAT MARKING
Howard W. Collins, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application November 21, 1935, Serial No. 50,920
2 Claims. (Cl. 206—56)



1. A package comprising bats of fibrous material, said bats compressively packed together with major faces thereof in juxtaposition, said material being loosely matted together in a manner to permit cleavage of the package at planes other than those of the said major faces of the bats, said bats comprising relatively narrow marginal faces which form a face of the package, and color stripes extending along the juxtaposed faces of the bats to said face of the package, the coloring material forming said stripes penetrating a sufficient distance into the bats to which they are applied to provide indicating markings visible on said face of the package and providing means to facilitate the separation of the package into its individual bats.

2,184,287
MAKING CALCIUM METAPHOSPHATE
Harry A. Curtis, Knoxville, Tenn.
Application February 26, 1938, Serial No. 192,741
14 Claims. (Cl. 23—108)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



13. Continuous process of making calcium metaphosphate from rock phosphate and liquid metaphosphoric acid, which comprises, mixing rock phosphate and metaphosphoric acid; heating the mixture to a temperature sufficient to cause the constituents of the mixture to react and to form fused calcium metaphosphate; and recovering and returning to the reaction zone that portion of the metaphosphoric acid which does not initially react with the rock phosphate and is volatilized.

2,184,288
PHOTOGRAPHIC AND PRINTING MEDIA
Charles Dangelmajer, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 14, 1937, Serial No. 148,114
12 Claims. (Cl. 95—7)

1. A light sensitive layer comprising polyvinyl alcohol, an agent adapted to promote photochemical hardening of said polyvinyl alcohol and 0.1% to 20% of a monobasic carboxylic acid containing at least 5 carbon atoms.

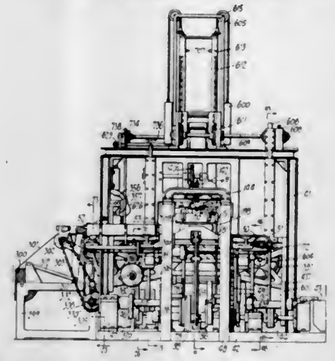
7. A printing device having on its printing surface ink receptive design portions, said ink receptive portions comprising photochemically hardened polyvinyl alcohol and 0.1% to 20% of a monobasic carboxylic acid containing at least 5 carbon atoms.

2,184,289
PHOTOGRAPHIC AND PRINTING MEDIA
Charles Dangelmajer, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 16, 1937, Serial No. 148,587
16 Claims. (Cl. 95—7)

1. A light sensitive layer comprising polyvinyl alcohol, a material adapted to photochemically harden said polyvinyl alcohol and 0.3% to 20% of an organic sulfonyl compound.

8. A printing device having on its printing surfaces ink receptive design portions, said ink receptive portions comprising photochemically hardened polyvinyl alcohol and 0.3% to 20% of an organic sulfonyl compound.

2,184,290
LETTUCE PACKING MACHINE
Wesley Dodge, Oakland, Calif., assignor to Paterson Pacific Parchment Company, San Francisco, Calif., a corporation of California
Application April 12, 1938, Serial No. 201,551
35 Claims. (Cl. 93—2)



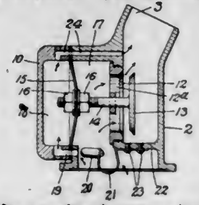
1. A packing apparatus for vegetables as lettuce comprising means for assembling a number of said vegetables into a group of predetermined shape and size, means for wrapping said assembled group in a wrapper, means for compressing said wrapped group tightly together,

means for depositing the wrapped compressed group into a container in which the state of compression is maintained, and means for depositing ice on top of the wrapper of said deposited group.

2,184,291
VALVE FOR ENGINE TEMPERATURE CONTROL

Harold B. Drapeau, Oak Park, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application May 7, 1937, Serial No. 141,325
10 Claims. (Cl. 123—178)

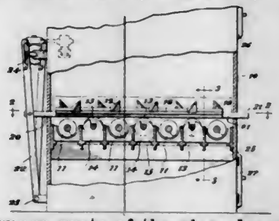


1. A valve for engine temperature control comprising a casing having an inlet and an outlet, a wall extending across said casing intermediate the inlet and the outlet and provided with a port which connects the inlet with the outlet, a valve for controlling said port, a pressure actuated device connected with said valve and dividing the interior of the casing at one side of said valve into two chambers, a connection between each of said chambers and said inlet, and a thermostatically controlled valve for controlling one of said connections.

2,184,292
FURNACE GRATE

James K. Dukas, Kingston, Pa.

Application December 23, 1938, Serial No. 247,519
5 Claims. (Cl. 110—35)



1. A furnace grate of the class described comprising a plurality of aligned spiral conveyors, a plurality of grate bars extending transversely of the spiral conveyors and above the spiral conveyors, and means for reciprocating the grate bars longitudinally.

2,184,293
ABRASIVE

Donald E. Edgar, Philadelphia, and Harry G. Stauffer, Drexel Hill, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

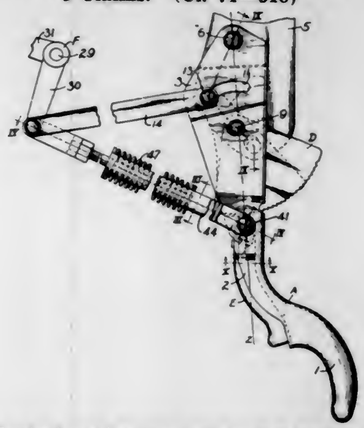
No Drawing. Application October 8, 1936, Serial No. 104,734. Renewed September 30, 1938
10 Claims. (Cl. 51—280)

1. Abrasive sheet material comprising a base, abrasive material and a coating to bind said abrasive material to said base, said coating comprising in substantial amount the resinous reaction product of urea, formaldehyde, and an aliphatic monohydric alcohol, said resinous product containing said alcohol in combined form in amount of from about one-half to about one molecule of alcohol for each molecule of urea, said product yielding upon treatment with zinc chloride and acetic anhydride the acetate of said alcohol.

2,184,294
VARIABLE RATIO BRAKE LEVER

Arthur P. Fergueson, Detroit, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application March 11, 1938, Serial No. 195,239
9 Claims. (Cl. 74—518)



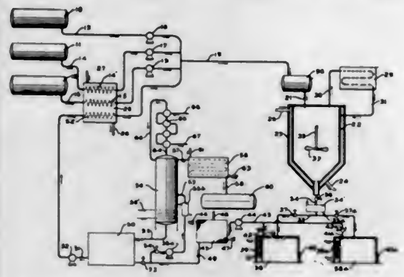
1. Control mechanism including a lever pivoted to swing, an arm pivoted between its ends to said lever for swinging movement about its pivot, a load element, a rigid link connection between said load element and the end of the arm nearer the lever pivot and pivoted at one end to said arm, spring means of limited capacity operative for swinging said arm in angular direction counter to the direction of swing of the lever on initiation of lever movement until resistance of the load element balances said spring which occurs at an intermediate point in the swing of the lever in one direction, means engaging said arm to prevent retrograde swing thereof when the load resistance overbalances said spring, the engagement of said means with said arm fixing the position of said arm with respect to the lever for travel in said fixed position during the balance of travel of the lever in said direction thereby establishing the point of application of pull of the load connection to said lever as at the point of connection of said link connection with said one end of said arm, the construction being such that the point of application of pull between said load element and said lever is elsewhere than at the said end of said arm during the interval the arm is being swung by said spring.

2,184,295
METHOD FOR PRODUCING OLEFIN-SULPHUR DIOXIDE RESINS

Frederick E. Frey and Robert D. Snow, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

Application January 31, 1936, Serial No. 61,813
12 Claims. (Cl. 260—94)

1. The continuous process of producing heteropolymeric resin products of the reaction of sulphur dioxide with an olefinic body which forms a resin product soluble in liquid sulphur dioxide, which comprises charging to a reaction zone the said olefinic body and sulphur dioxide in liquid phase continuously in such proportions, together

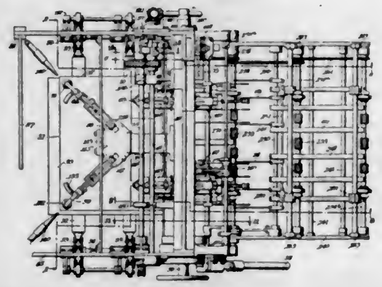


with a catalyst for promoting the reaction, that a solution of resin product will separate from the reactants, withdrawing the said solution of resin product continuously from the reaction zone and vaporizing volatile materials from the solution of resin product.

2,184,296
SHEET FEEDER

George Goebel and Sherman A. Chantland, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application June 10, 1935, Serial No. 25,908
20 Claims. (Cl. 271—31)



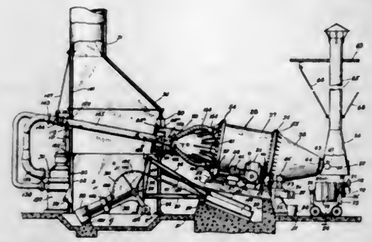
1. The combination in a sheet feeder, of a stack lifting mechanism, a forwarder for removing sheets from the stack positioned adjacent each side of the stack, and means to control the actuation of said stack lifting mechanism including a trip member positioned in the path of movement of each of said forwarders.

2,184,297
MELTING APPARATUS

Aubrey J. Grindle, Chicago, Ill., assignor to Alwin F. Pitzner, Winnetka, Ill.

Application August 12, 1936, Serial No. 95,523
21 Claims. (Cl. 263—32)

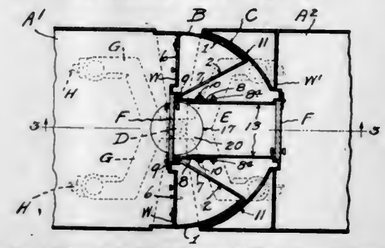
1. In a heating apparatus, a rotary furnace comprising, in combination, an elongated outer wall lined internally with refractory material and defining a heating chamber having an inlet at one end and a discharge opening at the other end, burners mounted in said wall eccentrically of the axis of said furnace for movement therewith and opening to said chamber, means for supplying fuel to said burners in all positions of rotation of said furnace, and power means for rotating said furnace continuously in one direction.



2,184,298
ARTICULATED TRAIN

Emory L. Groff, Washington, D. C.

Application January 11, 1935, Serial No. 1,399
19 Claims. (Cl. 105—4)



1. An articulated transportation unit comprising adjacent vehicle bodies articulated on a common axis, one of said bodies being formed with a pocket extending in the zone of the roof and the sides of the body and the other of said vehicle bodies being provided with an extension formed to fit into said pocket of the first mentioned vehicle said pocket and extension being formed on arcs whose axes are located in the center of articulation, a rigid interior aisleway forming member carried by the vehicle having the pocket and located within said pocket, and pivoted wing members carried by the vehicle body having said extension, said wing members being adapted for adjustable engagement with the aisleway forming member.

2,184,299
KETO CYCLOPENTANO DIMETHYL POLYHYDRO PHENANTHROLES AND A METHOD OF PRODUCING THE SAME

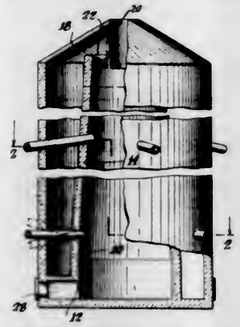
Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application August 20, 1935, Serial No. 36,984. In Germany August 22, 1934
21 Claims. (Cl. 260—397)

1. A method for converting compounds having the carbon atom system of the pregnan series, into compounds having the carbon atom system of the androstan series, comprising reacting compounds having the carbon atom system of the pregnan series and a keto group present in the side chain, with an organo-metallic compound of the Grignard type, splitting off water between the tertiary hydroxy group and the neighboring hydrogen atom of the product formed, thereby

leaving a double bond in the side chain, oxidizing the dehydrated compound to split it at the place of the double bond present in the side chain, and isolating the reaction product having the carbon atom system of the androstan series.

2,184,300
METHOD OF BENEFICIATING OR REDUCING ORES TO METAL
Frank Hodson and Paul A. Hirsch, New York, N. Y.
Application October 6, 1937, Serial No. 167,542
11 Claims. (Cl. 75—26)



1. The process of reducing ore to metal comprising introducing pulverulent ore into a violently turbulent and upwardly flowing column of reducing gases, regulating the velocity of the gases so as to carry the ore upwardly and maintain it in suspension until it is reduced to metal, maintaining the temperature of the gases below the fusion temperature of the metal, and separating the metal from the gases.

2,184,301
STABILIZING DEVICE
Robert H. S. Hughes, Baltimore, Md., assignor of one-half to Milton Roberts, Baltimore, Md.
Application September 6, 1935, Serial No. 39,492
4 Claims. (Cl. 89—14)



1. A recoil controlling device for guns adapted to fire projectiles comprising a body adapted for attachment to the muzzle end of a gun barrel, said body having a gas chamber therein and having an inlet port and a seal port at the rear and forward ends of said chamber, respectively, and a shoulder extending laterally from the inner end of the seal port to the side wall of the chamber, the side wall closing the forward part of the chamber adjacent said shoulder against lateral escape of gas, the side wall flaring outwardly and forwardly from the inlet port toward the periphery of said shoulder, said device having a rearwardly facing external shoulder at the rear of the shoulder in the chamber, and having a plurality of discharge ports extending rearwardly and outwardly from the forward part of the chamber adjacent the shoulder therein through said external shoulder, the axes of said ports intersecting the shoulder in the forward part of the chamber.

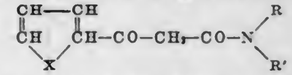
2,184,302
CONDIMENT DISPENSER
Willard P. Hull and Thelma L. Hull, Portland, Oreg.
Application August 14, 1936, Serial No. 96,063
5 Claims. (Cl. 65—45)



1. A dispenser of the class described, comprising a hollow body formed with an opening, a projection extending inwardly of the bottom wall of the opening, a perforated cover formed with inwardly extended walls, means between the side flanges of the cover and the walls of the opening for slidably mounting the cover in the opening, whereby to permit raising the cover to partially uncover the opening to permit supplying the hollow body with condiment, a resilient tongue extending inwardly from the flanged bottom of the cover to cooperate with the projection to hold the cover in closed position, the flanged bottom of the cover engaging the upper wall of the opening to prevent removal of the cover from the dispenser when the opening is partially uncovered.

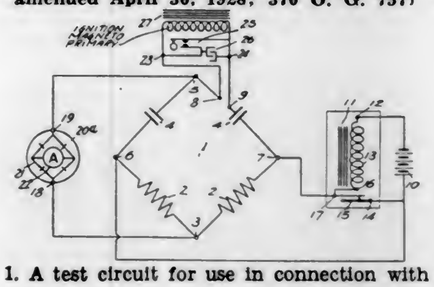
2,184,303
PHOTOGRAPHIC COLOR-FORMING DEVELOPER AND EMULSION
Andrew B. Jennings, New Brunswick, and Edmund B. Middleton, Metuchen, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 24, 1938, Serial No. 215,702
9 Claims. (Cl. 95—6)

1. A color-forming photographic emulsion containing a compound of the general formula:



wherein X is an atom taken from the group consisting of oxygen and sulfur, R is a radical selected from the group consisting of aryl and azole groups, and R′ is taken from the group consisting of hydrogen and hydrocarbon radicals.

2,184,304
MAGNETO BREAKER CONTACT POINT OPENING AND CLOSING INDICATOR
Mensal Lee Johnson, Kalamazoo, Mich., and John J. Rose, Dayton, Ohio
Application December 20, 1935, Serial No. 55,486
Renewed September 12, 1939
6 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A test circuit for use in connection with a magneto primary coil of high reactance and low resistance connected in parallel with a breaker device of low reactance and low resistance comprising, coupling means adapted to be connected across both said primary coil and breaker device, means for supplying an alternating current to said circuit for obtaining a high impedance change in said primary coil when said breaker device is opened or closed and means for indicating such change.

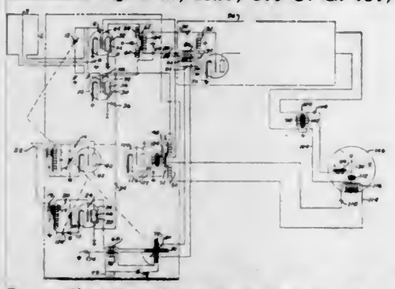
2,184,305
CORROSION-RESISTANT CHROMIUM-MANGANESE-IRON ALLOYS
Alfred Kropf, Wetzlar, Lahn, Germany
No Drawing. Application October 1, 1936, Serial No. 103,527. In Germany April 8, 1935
1 Claim. (Cl. 75—125)

An alloy substitute for German silver, consisting of about

	Percent
Manganese	7 –50
Chromium	6 –25
Copper	0.5–10
Carbon	Up to 0.4
Iron	Balance

the manganese content being in excess of the chromium content.

2,184,306
RADIO DIRECTION FINDER
Geoffrey G. Kruesi, Dayton, Ohio
Application September 30, 1936, Serial No. 103,324
14 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

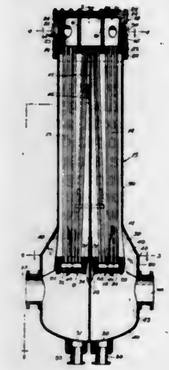


1. In a directional antenna system, a directional antenna means having a tunable means, a non-directional antenna means, a tunable collective circuit having its input connected to both said antenna means through two different channels and variable phase shifting means in one of said channels for varying the phase relation between the voltage and current in said channel while maintaining the voltage constant, and means connecting said tunable means and phase shifting means to operate in unison and simultaneously compensate for relative variations in the phase of the currents in said antenna means with changes in frequency of the received signal.

2,184,307
MANUFACTURE OF PAPER
Louis Leonard Larson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 28, 1936, Serial No. 103,049
2 Claims. (Cl. 92—21)

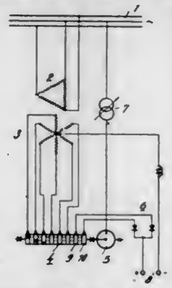
1. In the manufacture of grease-proof paper by a process involving as a continuous operation the standard successive paper making operations of pulp stock preparation, sheet formation, pressing and drying, the new steps which comprise mixing paper pulp with size solution containing deacetylated chitin as the film-former, precipitating said film-former on the paper pulp, applying to the sized fibers within the primary paper making operation before drying the sheet formed from the sized fibers an aqueous solution of an acid swelling agent which swells the precipitated film-former without parchmentizing the fibers, allowing the swelling agent to react until the film-former is in a highly swollen condition, and before drying the sheet stopping the action of the swelling agent while the precipitated film-former is in a highly swollen state but before it has been dissolved to the sol state.

2,184,308
HEAT EXCHANGE APPARATUS
Charles H. Leach, Roselle, N. J.
Application September 18, 1937, Serial No. 164,458
11 Claims. (Cl. 257—28)



11. Heat exchange apparatus comprising a fixed head, heat exchange tubes depending downwardly therefrom, a plurality of floating heads secured to the lower ends of the heat exchange tubes so that the fixed and floating heads and heat exchange tubes form a continuous fluid passage, a shell removably secured to the fixed head and enclosing the heat exchange tubes and floating heads, said shell having a cylindrical portion extending from the fixed head to a short distance above the floating heads and an enlarged bell portion of greater cross sectional area than the cylindrical portion extending below the floating heads and connected to the cylindrical portion by means of an adapter, said bell portion being formed with a closure dome at its lower end and with vapor inlet and outlet nozzles at opposite sides at points below the floating heads, a longitudinal baffle extending from the bottom of the shell to adjacent the fixed head so as to form a vapor passage interiorly of the shell between and around the heat exchange tubes, guide members formed on the two sides of the longitudinal baffle adjacent the bell portion for engaging the floating heads and positioning them a spaced distance from the baffle, and additional guide members formed on the inside of the shell to facilitate the insertion and removal of the floating heads, said dome being formed with separate condensate drains on the two sides of the longitudinal baffle.

2,184,309
ARRANGEMENT FOR CONTROLLING RECTIFIERS
Wilhelm Leukert, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application April 12, 1937, Serial No. 136,342
In Germany February 5, 1936
9 Claims. (Cl. 175—363)



1. In a converter for exchanging energy between a polyphase alternating current supply circuit and a direct current consuming circuit, a transformer having its primary winding connected to said alternating current circuit and having two secondary windings, two groups of rectifiers and a switching gear for each secondary winding having contacts and associated circuits for connecting the phases of each of said secondary windings in succession with timely overlapping through its switching gear to one group of said rectifiers and for connecting said rectifier groups in opposite flow directions to the two poles of said direct current consuming circuit, means for operating the contacts of said switching gears in synchronism with the frequency of said alternating current supply circuit, and means for varying in each switching gear the closing time of its contacts with respect to the voltage cycle of said alternating current within a portion of said cycle which represents the actual current flow phases of the rectifiers of the appertaining group.

2,184,310
PHOTOGRAPHIC AND PRINTING MEDIA
Frederick M. Meigs and Charles Dangelmajer, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1937, Serial No. 147,527
9 Claims. (Cl. 95—7)

1. A light-sensitive layer comprising polyvinyl alcohol, a polybasic carboxylic acid in amount sufficient to give said layer a high ink receptivity and a light-sensitizing agent.

8. A light-sensitive layer comprising polyvinyl alcohol, maleic acid in amount sufficient to give said layer a high ink-receptivity, and a light-sensitizing agent.

2,184,311
PHOTOGRAPHIC AND PRINTING MEDIA
Frederick M. Meigs, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 17, 1937, Serial No. 148,772
12 Claims. (Cl. 95—7)

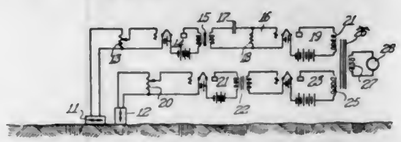
1. A composition comprising polyvinyl alcohol, dispersed rubber in an amount ranging from about 1% to 50% by weight of the polyvinyl alcohol and a light-sensitizing agent.

5. A printing device having on its printing surface ink-receptive design portions, said ink-receptive portions comprising hardened polyvinyl alcohol, and dispersed rubber in amount sufficient to give said design portions a high ink-receptivity.

2,184,312
MANUFACTURE OF PAPER
Warner J. Merrill, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 6, 1936, Serial No. 89,254
4 Claims. (Cl. 92—21)

4. A process of preparing grease-proof paper which comprises mixing paper pulp before sheet formation with size comprising solution in aqueous medium of deacetylated chitin, precipitating the deacetylated chitin on the paper pulp, forming the pulp into a sheet, drying and then swelling the precipitated deacetylated chitin by surface sizing the paper with size solution in aqueous medium of deacetylated chitin.

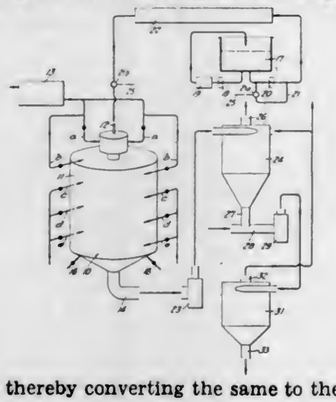
2,184,313
SEISMIC SURVEYING
John E. Owen, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Original application May 27, 1938, Serial No. 210,349. Divided and this application October 18, 1938, Serial No. 235,577
9 Claims. (Cl. 181—0.5)



1. Apparatus for receiving and recording artificial seismic waves comprising a pair of geophones arranged so as to be substantially simultaneously actuated by earth motion, one of said geophones being responsive only to the horizontal component of said earth motion and the other geophone being responsive only to the vertical component of said earth motion, a single recorder, connections between both said geophones and said recorder for impressing the outputs of both geophones on said recorder, and means in said connections for balancing out the effects of the surface waves received by said geophones.

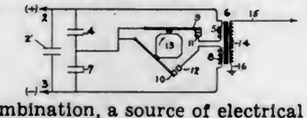
2,184,314
DESICCATING METHOD
David D. Peebles, Eureka, Calif., assignor, by mesne assignments, to Golden State Company, Ltd., a corporation of Delaware
Application April 12, 1933, Serial No. 665,709
5 Claims. (Cl. 127—29)

1. In a method of desiccating molasses, the steps of heating the molasses under pressure to cause development of an internal pressure substantially greater than the corresponding vapor pressure of water at the temperature to which the molasses is heated, expanding the molasses in a gaseous medium at a temperature above the solidification point of the molasses, thereby effecting removal of moisture, and then cooling the molasses particles while suspended in a gaseous



medium thereby converting the same to the solid phase.

2,184,315
IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Melville F. Peters, Beltsville, Md., and George F. Blackburn, Washington, D. C.
Application August 11, 1939, Serial No. 289,614
9 Claims. (Cl. 123—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a source of electrical energy of substantially constant potential, a first capacitor and a second capacitor electrically connected in series across said source, a step-up transformer having a first primary winding, a second primary winding and a secondary winding, a common circuit for charging said first capacitor and for discharging said second capacitor including said first primary winding and a cam actuated contact means, a common circuit for discharging said first capacitor and for charging said second capacitor including said second primary winding and another cam actuated contact means, whereby cyclically said first capacitor is charged and said second capacitor is substantially simultaneously discharged through said first primary winding, and alternately said first capacitor is discharged and said second capacitor is substantially simultaneously discharged through said second primary winding, both said capacitors being charged from said source.

2,184,316
MINERAL FIBER BINDER
Jesse H. Plummer, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
No Drawing. Application November 4, 1937, Serial No. 172,740
9 Claims. (Cl. 91—70)

1. The method of binding glass fibers in loose open formation which comprises incorporating a mixture of finely divided inorganic material chosen from the group consisting of clay, bentonite, aluminum, and diatomaceous earth in amounts sufficient to stiffen the mass, and a solid organic bituminous substance capable of pyrolytic reaction, and heating the mass to a point below the ignition temperature of the organic substance to cause a breakdown and resinification of the organic substance and the production of a hard tough product.

2,184,317
WOOD COKE AND PROCESS OF MAKING SAME
Stevan Ruzicka, Beograd, Yugoslavia
No Drawing. Application July 9, 1934, Serial No. 734,426. Renewed March 26, 1937. In Yugoslavia July 14, 1933
13 Claims. (Cl. 202—26)

13. As a new article of manufacture, a wood coke consisting of a structure substantially entirely of cell walls corresponding to those of the wood from which the charcoal was made, formed of high molecular carbon compounds and carbon and graphite, resulting from the conversion by cracking of constituents of the charcoal used in the making of said structure in a coking process, above temperatures above the lowest cracking temperature of the volatile constituents of said charcoal and at the highest temperatures employed in the manufacture of artificial graphite.

2,184,318
PROCESS FOR SIMULTANEOUS PRODUCTION OF ALUMINA CEMENT AND PIG IRON IN BLAST FURNACES
Stevan Ruzicka, New York, N. Y.
No Drawing. Application March 19, 1937, Serial No. 131,932. In Germany November 15, 1934
4 Claims. (Cl. 75—30)

1. The process herein described, which consists in subjecting a blast furnace charge containing iron, bauxite, a carbonaceous material selected from a class consisting of petroleum coke produced at high coking temperature and an artificial charcoal resulting from subjecting pulverized charcoal and a cokable binder to the action of a coking oven retort at temperatures between 500° C. and 1200° C., to a blast furnace reduction for producing molten iron and alumina cement.

2,184,319
BRACELET CONSTRUCTION
Adolf O. Schoeninger, Irvington, N. J., assignor to Forstner Chain Corporation, a corporation of New Jersey
Application June 24, 1937, Serial No. 150,039
4 Claims. (Cl. 24—78)

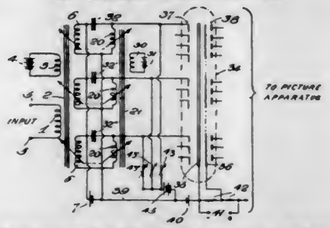


1. In a bracelet construction, two straps, one strap having a loop at one end and the other strap extending through said loop, the first strap having a slidable base comprising a lower plate and a movable plate respectively positioned on opposite sides of said strap, said lower plate having edge plates, a pivot pin having its ends secured to said edge plates, and a cam element hingedly mounted on said pivot pin and movable to press said movable plate into gripping engagement with said strap, and the second strap having a member at one end, said member having a fixed portion engageable with said pivot pin and a spring-pressed lock adapted to be normally positioned at the end of said hook to releasably lock said hook in engagement with said pin.

2,184,320
TREATMENT OF GLASS FIBERS
Donald C. Simpson, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
No Drawing. Application March 10, 1937, Serial No. 130,147
9 Claims. (Cl. 91—68)

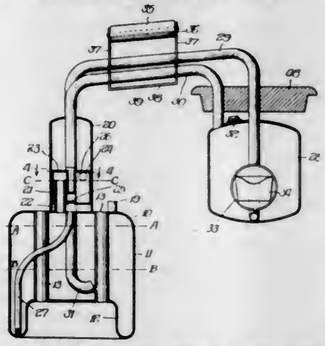
1. The method of treating a fabricated body of fibrous glass composed in part of an alkali ingredient, which comprises applying to the surface of said fibers throughout said body, a strong inorganic acid capable of neutralizing free alkali on the surface of said fibers.

2,184,321
REGENERATIVE ELECTROMECHANICAL FREQUENCY SELECTIVE APPARATUS
Walter Soller, Cincinnati, Ohio, assignor of one-half to William H. Woodin, Jr., Tuscon, Ariz.
Application August 21, 1937, Serial No. 160,331
18 Claims. (Cl. 178—31)



1. Electromechanical frequency selective apparatus comprising electromagnetic frequency responsive motive means, electromagnetic generative means mechanically connected with and driven by said motive means, and electrical feedback connections from said generative means to said motive means.

2,184,322
REFRIGERATING DEVICE
Clarence T. Sorensen, Lakewood, Ohio
Application July 10, 1936, Serial No. 89,900
8 Claims. (Cl. 62—120)



1. In a refrigerating device, the combination with a generator-absorber, and a condenser-evaporator, of means connecting the same and defining a path for the flow of the generated gases from the generator-absorber to the condenser-evaporator, and also a separate path for the flow from the condenser-evaporator to the generator-absorber of the gases to be absorbed, an expansion chamber arranged in the path of the generated gases for controlling and dispersing the surge incident to expansion of the liquid of the generator-absorber, and a drain pipe having one end connected to the bottom of the expansion chamber for returning to the generator-absorber the liquid intercepted by said expansion chamber, the discharge end of said drain pipe being at a low point in the generator-absorber and sealed by the liquid contents of the generator-absorber.

2,184,323
CATHODE ACTIVATION AND DEGASSING
Hans J. Spanner, Berlin-Kladow, Germany
No Drawing. Application August 14, 1937, Serial No. 159,041. In Germany June 23, 1933
5 Claims. (Cl. 176—126)

1. Process for producing electrical discharge lamps with arc heated electrodes by which the electrode carrier metal is provided with a coating of an alkaline earth metal oxide, and alkaline earth metal is produced by reduction of the oxide, which is characterized by the fact that the electrode provided with the alkaline earth metal oxide is heated in a separate auxiliary vessel under a high vacuum until a thorough degassing of the electrode and reduction of the alkaline earth metal oxide occurs whereupon the auxiliary vessel is removed from around the electrode and the electrode is then first built into the lamp vessel.

2,184,324
PAINT
Frank A. Strauss, New Brighton, Staten Island, N. Y., assignor to Wailes Dove-Hermiston Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 19, 1937, Serial No. 121,285
2 Claims. (Cl. 134—39)

1. A paint which comprises a mixture containing a liquid vehicle which forms a relatively hard permanent film, metal flakes coated with a leafing agent that float from a film of the freshly applied paint to form a substantially continuous layer of oriented overlapping flakes, and a non-metallic corrosion inhibiting pigment which remains dispersed in said film from which the metal flakes float, the proportion of pigment being substantial but not exceeding about 15% by weight of the metal flakes.

2,184,325
PROCESS FOR PREPARING DERIVATIVES OF HYDROFORMED NAPHTHAS AND PRODUCTS THEREOF
William J. Sweeney and Kenneth C. Laughlin, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 16, 1935, Serial No. 45,234
2 Claims. (Cl. 260—2)

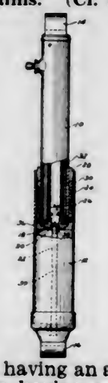
1. Process for preparing resins comprising bringing a naphtha fraction boiling within the range of 125 and 500° F. and having an aniline point below about 17° F., and prepared by destructive hydrogenation of a sulfur dioxide extract of a petroleum distillate with a limited proportion of hydrogen under conditions suitable for forming antiknocking motor fuels, into reaction with ethylene di-chloride by boiling the mixture under reflux in the presence of aluminum chloride until the viscosity of the mixture increases substantially, diluting the mixture with alcohol, decomposing the aluminum chloride complex with steam, washing the remaining ethylene dichloride solution with water, removing solvent and unreacted material from the washed solution by distillation under vacuum, and recovering a resin as the distillation residue.

2,184,326
TIRE
John H. Thomas, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application July 22, 1936, Serial No. 91,891
4 Claims. (Cl. 152—355)



1. A tire for an automobile or the like having a fabric reenforcing said tire which comprises interwoven threads, each said thread comprising a multiplicity of glass fibers, a plastic substance coating said fibers individually, and an impregnation of rubber throughout said threads.

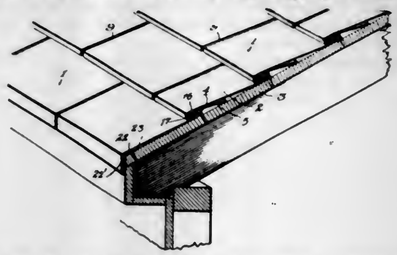
2,184,327
SHOCK STRUT
Kenneth W. Warren, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 4, 1935, Serial No. 52,762
20 Claims. (Cl. 267—64)



1. A shock strut having an air chamber, a liquid chamber, a piston having a streamlined orifice positioned therein carried by one end of the air chamber, and a metering pin carried by the liquid cylinder and designed to vary the effective area of the streamlined orifice and to render the orifice relatively unrestricted when in the fully extended position to permit the escape of air from the liquid chamber and to materially restrict the orifice upon slight telescoping movement of the chambers.

2,184,328
SHINGLE AND ROOFING
Harry F. Wildman, Orlando, Fla.; Vincent Y. Wildman, executor of the estate of said Harry F. Wildman, deceased
Application December 30, 1935, Serial No. 56,819
13 Claims. (Cl. 108—7)

1. A shingle strip comprising a sheet of copper and a reinforcing sheet secured thereto, said strip being formed with spaced transversely folded portions presenting on the face of the strip a plurality of spaced depressions for dividing the strip into shingle members, said reinforcing sheet being formed with cutout portions at the respective ends of said depression whereby the edge portions including a part of said folded-over portions of said strip may be folded without injuring the copper sheeting.

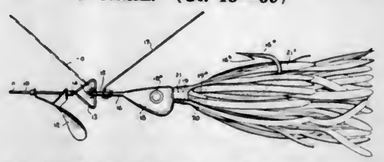


2,184,329
CHILD'S GARMENT
Ralph Yacovino, New York, N. Y.
Application January 31, 1938, Serial No. 187,891
3 Claims. (Cl. 2—70)



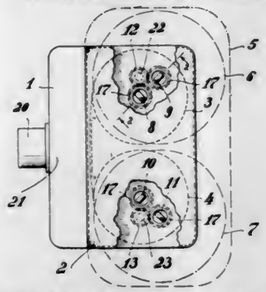
1. In a child's body garment adapted to have a nether garment with orifices in the front wall thereof attached thereto, a belt member affixed to said body garment, means for detachably attaching the nether garment to said belt member, a portion of said belt member being attached to the body garment substantially at the normal waistline thereof, the rear portion of said belt member being substantially dropped below the normal waistline of said garment so that when the belt member is adjusted for normal wear the rear of said body garment is caused to blouse thereabove and the belt member penetrates said orifices and thereby supports the front portion of the nether garment.

2,184,330
FISH LURE
Johnson A. Arbogast, Akron, Ohio
Application April 28, 1938, Serial No. 204,828
1 Claim. (Cl. 43—39)



In an artificial bait a weed guard construction comprising a shank and loop at the forward end of the bait, a wire looped over the shank at a central portion thereof and having its portions at each side of said central portion extended upwardly through said loop and then upwardly and rearwardly of said bait, the loop of said wire being free of the shank to permit the weed guard to flop forwardly of the bait to avoid fouling of a fishing line with the bait during a cast.

2,184,331
ROLL FILM CAMERA
Helmut Becker and Otto Sanger, Wetzlar, Germany, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application December 9, 1937, Serial No. 178,836
In Germany January 18, 1937
2 Claims. (Cl. 242—55)



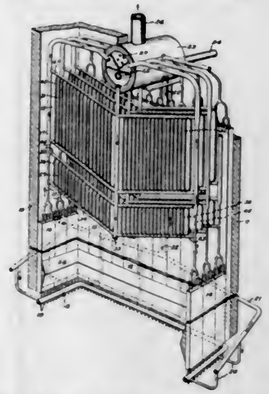
1. In a photographic camera a pair of film reel driving shafts spaced a given distance apart to drive the film reels in a film casette, another pair of film reel driving shafts spaced another given distance apart to drive the film reels in another film casette, coupling members in said driving shafts, means normally positioning the coupling members to engage the film reels in the casettes when the latter are attached to the camera, the coupling members of one pair of driving shafts being moved within the camera when the coupling members in the other pair of shafts engage a pair of film reels and means within the camera for operating the said film reel driving shafts.

2,184,332
PRUNING IMPLEMENT
Henri B. Bernay, New York, N. Y.
Application April 27, 1937, Serial No. 139,133
14 Claims. (Cl. 30—243)



1. A pruning implement comprising a long metallic tube, a cutting head secured to the upper end of said tube, a knife slidably mounted in said cutting head, a long slender metal rod housed in said tube and secured at its upper end to said knife, means at the lower end of said tube for transmitting upward force through said rod to said knife including a rack provided at the lower end of said rod, a pinion mounted on said tube adjacent the lower end thereof and meshing with said rack, an operating handle connected with said pinion and adapted upon rotative movement thereof away from said cutting head, to rotate said pinion so as to force said slender rod towards said cutting head thereby advancing the knife attached to the upper end of said rod in the cutting head, means for maintaining said rod in its position of alignment axially of the tube during the rotative movement of said handle, and a compression spring surrounding said slender rod within said tube, said spring being interposed between a spring seat attached to the upper end of said tube and a spring seat provided on said rod intermediate said first mentioned spring seat and said rack and adapted to normally maintain said rod and knife in retracted position and to yieldingly resist advancement of the same by said operating handle.

2,184,333
MERCURY BOILER
Leonard R. Biggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 3, 1938, Serial No. 182,979
3 Claims. (Cl. 122—235)

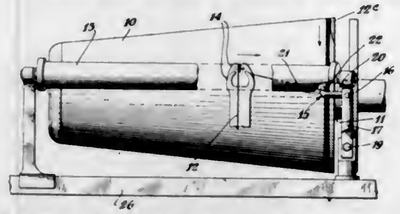


1. Mercury boiler comprising the combination of front, rear and side walls with lower wall portions forming a combustion space and upper wall portions forming a convection space, a liquid vapor separating drum disposed in the upper portion of the convection space, heating elements lining the inner surfaces of the walls in the combustion space and having individual extensions independent of each other and lining the wall in the convection space with discharge ends connected to the drum, and banks of heating tubes disposed within the convection space and connected to receive mercury liquid from the drum and to discharge mercury liquid and vapor into said extensions.

2,184,334
APPARATUS FOR WINDING YARN
James Washington Brucker, Utica, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware
Application July 31, 1936, Serial No. 93,607
1 Claim. (Cl. 242—43)

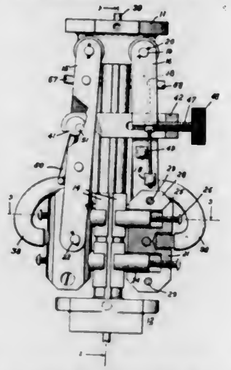
A tail-end guide adapted for attachment to a yarn cone winding machine of standard type, said guide comprising, in combination, a mounting bracket provided, adjacent one end, with adjustable means for attachment of the bracket to the winding machine, a yarn guiding member adjustably secured near the opposite end of said

mounting bracket and including a portion adapted to extend toward the base of the yarn cone support, and a yarn guiding hook near the outer end of said guiding member and arranged at an



angle adapted to engage and retain a yarn strand threaded over said hook, and thereafter to release the yarn strand by appropriate motion of the traversing guide of the winding machine.

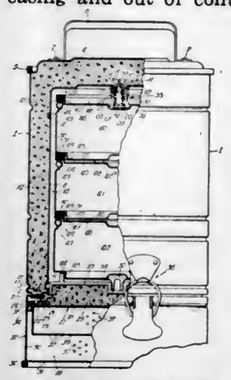
2,184,335
ARC WELDING
Verni J. Chapman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 16, 1938, Serial No. 230,265
8 Claims. (Cl. 219—8)



1. Contact making mechanism for supplying welding current to an electrode comprising a frame, contact blocks pivotally arranged with respect to said frame, electrode engaging brushes supported by said contact blocks, and means to bias said brushes into frictional engagement with said electrode including resilient means associated with one of said contact blocks, and clamping means associated with said resilient means and another of said contact blocks.

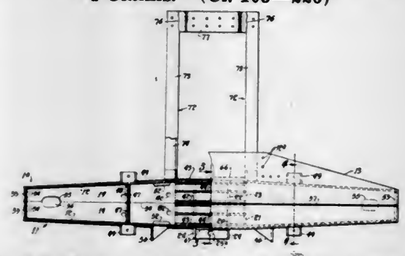
2,184,336
LUNCH BOX
James H. Devine, Ste. Genevieve, Mo., assignor, by mesne assignments, to Dev-Insular Company, a corporation of Missouri
Application January 11, 1936, Serial No. 58,736
9 Claims. (Cl. 206—4)

1. In combination, an outer casing, an inner casing disposed within said outer casing and thermally insulated therefrom, each of said casings being normally open at one end and said inner casing being adapted to receive a plurality of nested food tanks, the lowermost tank of said nested food tanks having a plurality of recesses pressed upwardly in the bottom wall thereof, closure means adapted to close the open ends of said casings, and a plurality of feet carried by said closure means and adapted for engagement with the lowermost tank of the nested food tanks to support said tank within said inner casing and out of contact with said



closure means, said feet engaging in the recesses in said lowermost tank with a relatively snug fit and thereby restraining lateral movement of said tank with respect to said inner casing and said closure means.

2,184,337
CAR BODY BOLSTER
Otho C. Duryea, Waterbury, Conn., assignor to O. C. Duryea Corporation, New York, N. Y., a corporation of Delaware
Application September 3, 1936, Serial No. 99,186
4 Claims. (Cl. 105—226)

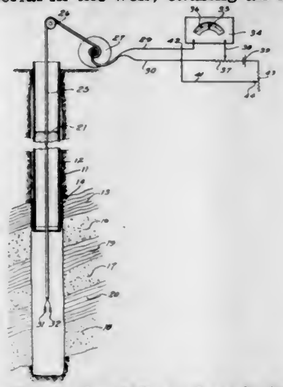


1. A built-up body bolster of the kind described embodying a pair of laterally spaced diaphragms and tension and compression members respectively and with which the top and bottom edges of said diaphragms have a welded connection to form a hollow body, there being aligned sill openings in each diaphragm, upright transversely extending stiffener plates rising from the compression member into substantially the plane of the top of said openings, and means providing a box-like structure in said body between the top ends of said stiffener plates and the tension member and parts of the diaphragms above said openings.

2,184,338
METHOD OF AND APPARATUS FOR LOCATING WATER LEAKAGES INTO WELLS
George H. Ennis, Long Beach, Calif., assignor of one-half to Robert V. Funk, Long Beach, Calif.
Application December 16, 1936, Serial No. 116,164
17 Claims. (Cl. 175—183)

1. A method of locating the point of entrance of water into a well, which method includes the

steps of: testing the electro-chemical qualities of the residual material in the well at different levels in the well without the addition of any substance to the material in the well; causing an ingress of



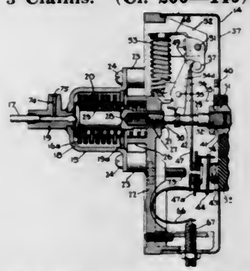
connate fluid into the well; and again testing the electro-chemical qualities of the material in the well at different levels to determine the point of entrance of said connate fluid.

2,184,339

TEMPERATURE CONTROL DEVICE

Wallace J. Ettinger, Chicago, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

Application November 12, 1937, Serial No. 174,176
3 Claims. (Cl. 200—140)



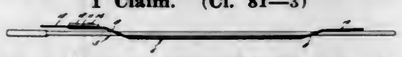
1. A temperature control device for a heater operable through a relatively wide predetermined elevated temperature range materially above the room temperature range comprising a switch controlling the application of heat to the heater movable between heat-on and heat cut-off positions, a bellows, a bulb adapted to be placed in thermal relation with said heater connected in a closed liquid system with said bellows, a liquid in said system controlling the position of the bellows in accordance with the temperature of the bulb at said heater, an operable connection between said bellows and switch so that the switch is operated between its heat-on and heat-off positions in accordance with the operation of the bellows to hold a substantially constant temperature in said heater within said predetermined elevated temperature range, an adjustable member controlling said connection so that the switch is operated between its controlling positions to hold different selected temperatures within the high and low limits of said predetermined elevated temperature range, the temperature held depending on the adjustment of said member, a stop limiting movement of the bellows in its heat-on direction and said liquid placed in said liquid system at a temperature substantially equal to the low temperature limit of said range and with the bellows against said stop so that in the operation of the control device when the adjustable member is set for a temperature below said low temperature limit, said bellows is prevented by said stop from moving to a position where it can operate the switch to turn on the heat, whereby the heat is permanently cut off until said adjustable member is moved to a position corresponding to a temperature setting within said predetermined temperature range.

2,184,340

COMBINATION WRENCH AND SLIDE FEELER GAUGE

Dale E. Ferlin, Meadville, Pa.

Application November 2, 1938, Serial No. 238,486
1 Claim. (Cl. 81—3)



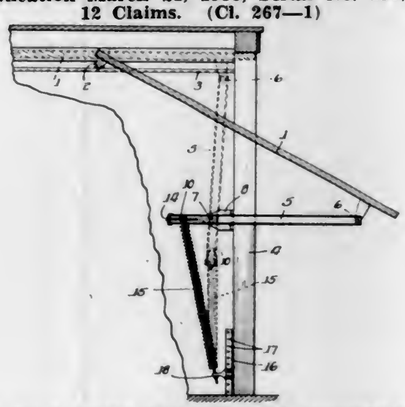
A tool of the character described comprising a wrench of a well-known type having an elongated handle extending from nut-engaging jaws thereof, a bar slidably mounted on said handle, a feeler gauge, means for securing said feeler gauge on one end of said bar, said bar being slidable on said handle to move said gauge to and from spaced cooperating relation with said jaws whereby said feeler gauge may be moved to and fro while in said cooperating relationship for the purpose described.

2,184,341

GARAGE DOOR CONSTRUCTION

William D. Ferris, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois

Application March 21, 1938, Serial No. 197,051
12 Claims. (Cl. 267—1)



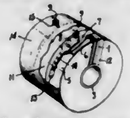
1. In a garage door system of counterbalancing, whereby the door has a vertical closed position and an overhead horizontally disposed open position, the combination and relative arrangement of a member having a guide, a traveler adjustable back and forth on said member, held to straight movement by said guide, an adjusting screw swiveled at one end in a bearing on said member and disposed parallel with said guide and having screw connection with said traveler so that when the screw is rotated the traveler will move along said guide, while the screw is held against axial displacement by its swivel, holding means for holding said traveler fixed in adjusted position and thereby preventing rotation of said screw and having provisions thereon for the connection thereto of pulling means, whereby the pull exerted is regulated by said adjustment of the traveler, and whereby the balancing of the door may be regulated by the changing of the position of said traveler on said screw.

2,184,342

ELECTRICAL COIL AND PROCESS FOR MAKING THE SAME

Herman L. Grupe, Scotia, N. Y., James A. Robertson, Framingham, Mass., and Don E. Moran, Scotia, N. Y.; said Grupe and said Moran assignors to General Electric Company, a corporation of New York, and said Robertson assignor to Warren Telechron Company, a corporation of Maine

Application January 27, 1938, Serial No. 187,202
8 Claims. (Cl. 175—21)



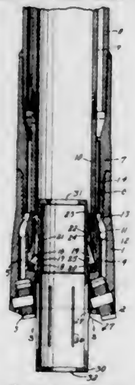
5. In a method of making an electrical coil comprising layers of a wound insulated conductor, terminals for said conductor, and the bare inner and outer ends of said conductor united to said terminals to form joints therebetween, the improvement which comprises intimately and completely enveloping each of the said joints with an insulating layer consisting of cellulose ester and covering the wound conductor and cellulose-ester covered joints with an outer protective wrapping of fibrous material coated at least on its inner side with cellulose ester.

2,184,343

CORE TAKING APPARATUS

George G. Harrington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application August 27, 1937, Serial No. 161,185
7 Claims. (Cl. 255—72)



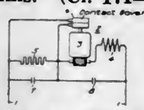
2. As an article of manufacture, a sleeve-like core catcher protector member adapted to fit into the lower end of a core barrel, said member having longitudinal slits formed therein at a position spaced from the upper end thereof to form parts yieldable in a radially inward direction, and means projecting laterally from the exterior of said parts at a point intermediate their ends to engage a portion of a core bit and yieldably resist upward movement of the sleeve thereinto.

2,184,344

ELECTRIC CIRCUIT

Lawrence F. Hemphill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application August 25, 1936, Serial No. 97,812
6 Claims. (Cl. 171—229)



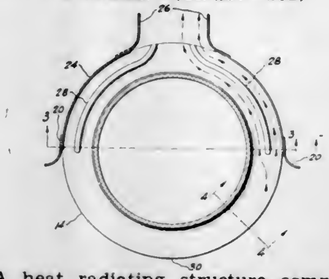
1. In combination, an electric circuit, a universal fractional horse-power series motor connected in said circuit, a resistor connected in series with said motor, a centrifugally actuated speed governing switch operated by said motor and having its contacts connected across said resistor, a capacitor proportioned to prevent sparking of said switch contacts connected thereacross, said motor having elements which emit objectionable noise as a result of the operation of said governing switch and a second capacitor connected across said noise producing elements of said motor, said second capacitor being proportioned to eliminate substantially the noise produced by said elements as a result of the opening and closing of said governor contacts.

2,184,345

FINNED CYLINDER

Donald S. Hersey, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application December 31, 1938, Serial No. 248,677
3 Claims. (Cl. 257—261)



1. A heat radiating structure comprising, a series of superposed spaced apart fins apertured to receive a heat radiating body, each of said fins having a flange surrounding the aperture for attachment to said body and one or more flanges spaced from said aperture surrounding flange adapted to cooperate with an adjacent fin to provide airflow channels between said fins, said fins also having integral curved ridges intermediate said flanges constituted by ribs formed up in said fins between the inner and outer edge of each fin to guide cooling air around said heat radiating body in close proximity thereto.

2,184,346

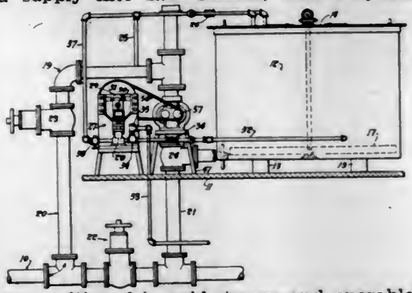
WATER TREATMENT APPARATUS

Walter H. Hinsch, Chicago, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

Application April 8, 1937, Serial No. 135,669
3 Claims. (Cl. 210—40)

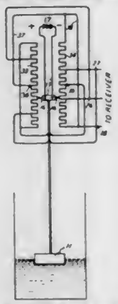
1. A water treatment apparatus embodying therein means providing a conduit for a flowing stream of water, means providing a supply of fluid reagent, power driven means adapted to

transfer measured quantities of said reagent from said supply into said stream, and a cycloidal



motor positioned in said stream and operable in response to the flow of said stream through said conduit for driving said power driven means.

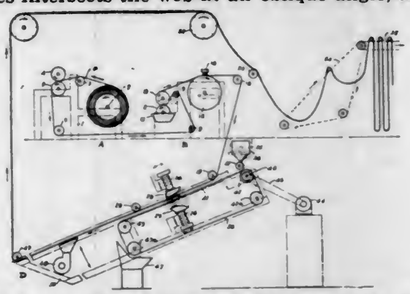
2,184,347
TELEMETER TRANSMITTER
Richard G. Jewell, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application December 10, 1937, Serial No. 179,156
8 Claims. (Cl. 172—239)



8. A telemeter transmitter comprising a pair of resistors, a pair of contacts, a source of direct current connected between said contacts, means for simultaneously sliding one contact along one of said resistors and the other of said contacts along the other of said resistors in response to variations in indications to be transmitted, a plurality of terminals for connection of lines leading to a receiver, connections from said terminals to spaced points on said resistors, the points on said resistors connected to the same terminal being displaced substantially one-half a resistor length each resistor having its ends connected together.

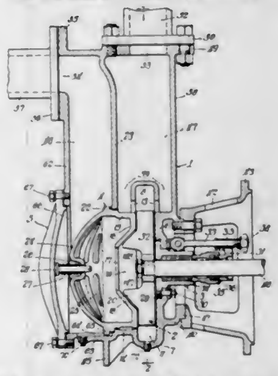
2,184,348
COATING APPARATUS
Henry P. Kirchner, Romie L. Melton, and Raymond C. Benner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application October 27, 1932, Serial No. 639,836
7 Claims. (Cl. 91—18)

1. Apparatus for the manufacture of granular coated webs comprising a pair of magnet poles positioned opposite one another, the adjacent faces of said poles being convergent toward one end, means for supporting and moving an adhesive coated web between said pole in a position closer to one pole face than the other and in the direction of convergency of the pole faces, the pole faces and web supporting means being so positioned with respect to each other that the magnetic field at the convergent end of the pole faces intersects the web at an oblique angle, and



means for introducing granular material into the magnetic field and in proximity to the surface of the web that is more remote from the web supporting means.

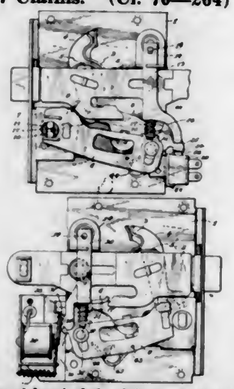
2,184,349
PUMP
Harry E. La Bour, Elkhart, Ind.
Application November 18, 1937, Serial No. 175,187
16 Claims. (Cl. 103—113)



1. A self-priming centrifugal pump comprising an impeller chamber having a cutoff and a volute extending over the cutoff, an impeller cooperating with said cutoff and said volute, a separator having a curved end wall leading from the cutoff for receiving and leading the liquid passing out of the volute and over the cutoff in a curved path from a substantially horizontal direction to substantially a vertical direction, the separator having a bottom wall substantially in line with the cutoff and the end of the volute extending into the separator above said bottom wall, the separator having a lateral wall which is spaced away from a side of the volute and a sidewall of the volute having a tranverse opening communicating with the inside of the separator adjacent the bottom wall for leading priming liquid from the separator into the impeller in advance of the cutoff.

6. In a pump, a pump barrel member comprising an integral volute, back plate and vertical walls defining a separator communicating with the outlet of the volute and having its side walls spaced from the sidewalls of the volute, and an intake trap which lies partly in front of and partly above the pump barrel, an opening extending through the trap concentric with the pump barrel, an impeller disposed in the barrel and cooperating with the volute, said impeller being removable axially through said concentric opening, a circular closure member for the pump barrel, said member having a front plate for the impeller and having a central intake opening, a strainer member extending over the front plate, and a closure plate for the opening through the front trap wall.

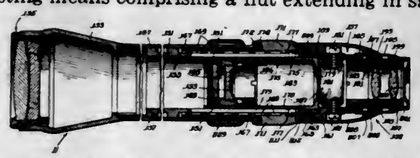
2,184,350
ELECTRICAL COINCIDENTAL DOOR LOCKING SYSTEM FOR AN AUTOMOTIVE VEHICLE
John W. Lakin, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 9, 1937, Serial No. 173,669
7 Claims. (Cl. 70—264)



1. In a coincidental locking system for a plurality of automotive vehicle doors comprising in combination a master lock for one of said doors, a secondary lock for another of said doors, a retractable latch bolt for each of said locks, an outside door handle for retracting each bolt, means including an electromagnet for rendering the outside door handle for said secondary lock bolt ineffective to retract its bolt, a retractor for said master lock adapted to be set and released, means for moving the retractor to its respective positions, said retractor when set operatively connecting the master lock outside door handle with its bolt and said retractor when released operatively disconnecting said outside master lock door handle from its bolt whereby operation of the master lock outside door handle is ineffective to retract its bolt, a source of electrical energy in circuit with the electromagnet on the secondary lock, and a switch for making and breaking said circuit controlled by the said master lock outside door handle and retractor when released whereby when the retractor on the master lock is released operation of the master lock outside door handle actuates the retractor which closes the said switch thereby energizing the electromagnet and rendering the secondary lock outside door handle ineffective to retract its bolt.

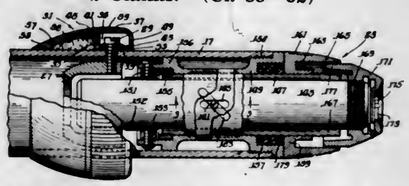
2,184,351
SURVEYING INSTRUMENT
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Original application March 16, 1935, Serial No. 11,525. Divided and this application January 31, 1938, Serial No. 187,995
5 Claims. (Cl. 88—32)

1. A telescope comprising a cylindrical barrel having an objective lens cell mounted therein, a tubular support frame secured in said barrel and having a portion extending outwardly of an end of said barrel remote from said objective lens cell, said support frame having a cylindrical portion at said end of the barrel defining an annular chamber between the frame and the barrel, said frame forming an internal slideway and having a longitudinal slot therein opening between said slideway and said annular chamber, an objective focusing lens assembly movable in said slideway longitudinally of said barrel, adjusting means comprising a nut extending in said



annular space, said nut having inwardly facing threaded portion, said focusing lens assembly having a cam member projecting through said slot in position drivingly engaging with said threaded portion, said nut having also a collar portion extending outwardly of the end of said barrel in position to slidingly engage the end of the barrel and exposed for manipulation to turn said nut, said frame outwardly of said nut having a means thereon forming an abutment in position to engage the collar portion and to retain the same between said abutment and the end of said barrel.

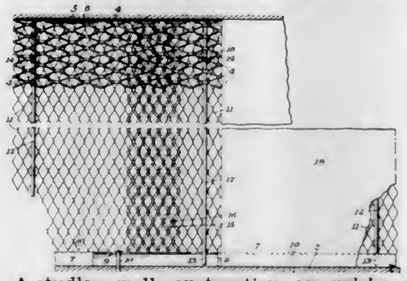
2,184,352
TELESCOPE
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Original application November 2, 1934, Serial No. 751,242. Divided and this application February 4, 1938, Serial No. 188,595
2 Claims. (Cl. 88—32)



1. A telescope comprising a barrel, an annular support sleeve element sealed in said barrel, and sealed thereto at the end thereof, an adjusting sleeve element in said support element and having an end extending outwardly of the barrel, said adjusting element having a collar thereon at the end of the barrel in position to engage and form a running seal with said support sleeve element, said collar forming with said support sleeve element, an annular chamber at the end of the barrel, resilient packing means in said annular chamber to prevent the entrance of foreign matter into the barrel between said support and adjusting sleeves, and tubular lensed element supported within said adjusting sleeve element, and having an end projecting outwardly of said manually operable collar and carrying cover means, said cover means and collar having telescopically interfitted flanges forming a sliding seal therebetween to exclude foreign matter from entering therebetween and penetrating thence between the adjusting sleeve element and said lensed element, cooperating means on said

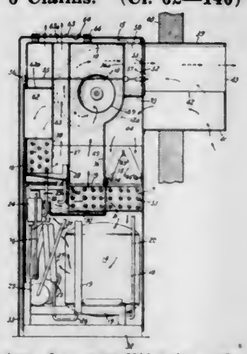
lensed element, said support sleeve element and said adjusting sleeve element, and comprising a cam member on one of said elements, and intersecting slots in the other elements for receiving said cam means whereby to longitudinally move the lensed member with respect to the barrel when said adjusting sleeve is turned in the support sleeve as by manual operation of said collar.

2,184,353
WALL CONSTRUCTION
Marshall L. Leary, Columbus, Ga., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia
Application November 9, 1938, Serial No. 239,616
8 Claims. (Cl. 72—46)



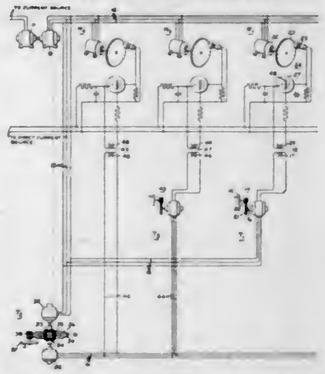
1. A studless wall construction, comprising positioning means, a single layer of vertically stiffened sheet lath laterally externally unsupported at its vertically central portion positioned by said positioning means, and plaster or the like carried by the lath.

2,184,354
AIR CONDITIONING APPARATUS
Samuel J. Levine, East Orange, N. J., assignor to General Electric Company, a corporation of New York
Application May 13, 1936, Serial No. 79,511
6 Claims. (Cl. 62—140)



2. Apparatus for conditioning the air within an enclosure including a casing having an air duct portion and a machinery portion and a plurality of air inlet and outlet openings for said air duct portion, means including partitions in said air duct portion for providing a plurality of ducts extending from said openings and opening into said machinery portion of said casing, a removable frame arranged in said machinery portion of said casing and having mounted thereon a refrigerating machine provided with an air cooling element, means including a baffle arranged on said frame and adapted to engage at least one of said partitions when said frame is in place in said casing for completing two air circulating paths through said casing and for sealing the space surrounding said cooling element from the space surrounding the remainder of said refrigerating machine, each of said paths having one of said inlet openings at one end thereof and one of said outlet openings at the other end thereof, a portion of said refrigerating machine being arranged in one of said paths and said air cooling element being arranged in the other of said paths, means for circulating air through said one of said paths to cool said portion of said refrigerating machine, and means for circulating air through said other of said paths over said air cooling element to cool the air in said enclosure.

2,184,355
TELEMETRIC SYSTEM FOR ANGLE TRANSMISSION
Earl E. Libman and Martin A. Edwards, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application May 20, 1937, Serial No. 143,749
6 Claims. (Cl. 177—337)

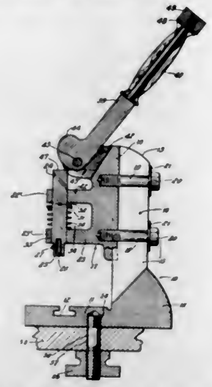


1. In a telemetric system for indicating at a remote point the angular position of elements at a transmitting point, comprising a source of alternating current, an indicating dial at said remote point and a synchronous motor connected thereto, an illumination means for said dial, means to energize said illumination means for a short period during each revolution of said dial including a phase control device at said transmitting point, means to connect said source of alternating current to said synchronous motor and to said phase control device to drive said motor and said device in synchronism, means operatively associated with said phase control device to shift the phase of said period with respect to the revolution period of said dial.

2,184,356
HAND PRESS
Ferdinand Lindgren, Bridgeport, Conn., assignor to Boering Specialty Co., Bridgeport, Conn., a corporation of Connecticut
Application May 5, 1937, Serial No. 140,963
2 Claims. (Cl. 100—70)

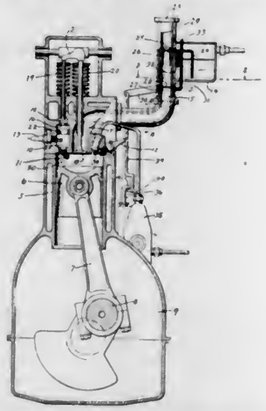
1. In a hand press the combination of a one-piece main frame having a base; a bifurcated standard thereon; a block slidably mounted on the standard having a tongue projecting between the legs of the standard in guiding engagement;

a pair of spaced bolts threaded into the block and engaging the opposite side of the standard for holding the block securely in any desired position on the standard; spaced lugs made integral with the upper portion of the block; a cam member journaled in said lugs; spaced apertured



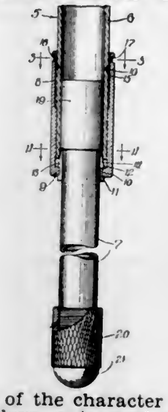
arms integral with the block below the lugs; and a ram reciprocally mounted in the arms in position to be acted on by the cam member and its lower end being above said base; said tongue extending throughout the length of the block from above the cam member to below the lowermost one of the arms.

2,184,357
INTERNAL COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Application May 4, 1938, Serial No. 206,052
10 Claims. (Cl. 123—32)



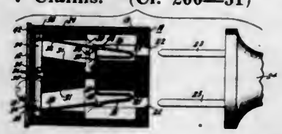
1. An internal combustion engine comprising a cylinder with a main combustion chamber, means for supplying a combustible charge to said chamber, a primary firing pocket provided with electric ignition, means for supplying a carburetted charge to said pocket, and a restricted outlet from said pocket into the main combustion chamber including a nozzle projecting beyond the wall of said chamber toward the center thereof, whereby ignition in the pocket projects a flame into said chamber causing combustion of the main charge to begin near the center of said chamber.

2,184,358
ADJUSTING MEANS
Francis Moore, Chicago, Ill., assignor to Albert Specialty Company, Chicago, Ill., a partnership composed of Stanley Flesch and Harold Flesch
Original application June 25, 1938, Serial No. 215,778. Divided and this application March 24, 1939, Serial No. 263,850
4 Claims. (Cl. 248—191)



2. In a device of the character described, two telescoping members, a tapered split collar extending about the inner member and into the adjacent end of the outer member, a sleeve screwing onto the end portion of the outer member and having operating connection to said collar effective for adjusting it in either direction lengthwise of said members, the inner end portion of said inner member beyond said collar being of greater exterior diameter than the normal interior diameter of said collar and fitting snugly the interior of said outer member, and means preventing removal of said sleeve from said outer member.

2,184,359
COMBINED SWITCH AND PLUG RECEPTACLE
Adolf G. Mueller, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application February 3, 1938, Serial No. 188,482
7 Claims. (Cl. 200—51)

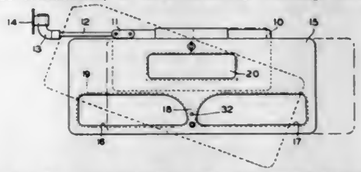


1. In a plug receptacle, circuit controlling means including movable contact blades, sliders adapted to engage each of said blades, and contacts adapted to cooperate with a plug connector, said contacts having flexible extensions engaging said sliders whereby said circuit controlling means is operated upon insertion of a plug connector into said receptacle.

2,184,360
VISOR ATTACHMENT
Lewis P. Nichols, Cleveland, Ohio
Application May 5, 1939, Serial No. 271,838
4 Claims. (Cl. 296—97)

1. An auxiliary visor for attachment to a vehicle glare shield visor having a horizontally ex-

tending top edge comprising a composite sheet partly of opaque material and partly of transparent material, a downwardly facing hook se-



cured to the upper edge of said sheet, said hook having a pin and slot connection with said sheet whereof the slot runs perpendicular to said horizontal edge.

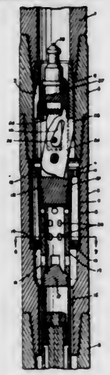
2,184,361

CORE DRILLING APPARATUS

Wiley B. Noble, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application December 10, 1938, Serial No. 244,875

10 Claims. (Cl. 255—72)



1. In combination, a drill stem having a part adapted to receive a core barrel, and means for normally restricting flow through said drill stem, said means being movable laterally to permit substantially unrestricted flow through said drill stem during the time that a core barrel is in place therein.

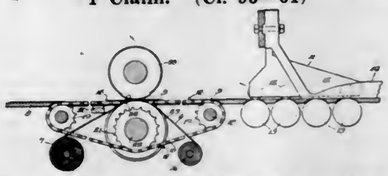
2,184,362

MEANS FOR PRODUCING PREADDRESSED ENVELOPES

Ernst C. Sauerman, Chicago, Ill.

Application January 31, 1938, Serial No. 187,842

1 Claim. (Cl. 93—61)



In an apparatus for producing a succession of mailing envelopes each provided with an individual address and ready for the reception of mailing matter, the combination of means for advancing units composed of envelope material in an uninterrupted movement, means for forming said material into individual envelopes during such uninterrupted movement, and mechanism for applying an individual address to each of said units before delivery from the machine, said mechanism comprising means for advancing a strip of material carrying a series of individual addresses arranged thereon in spaced relation and means for transferring said addresses from said strip to the successive envelope unit during the uninterrupted travel of said units through the machine.

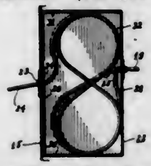
2,184,363

HOUSING FOR FLEXIBLE MEMBERS

Paul I. Schultz and James J. Pelouch, Cleveland, Ohio, assignors to The United States Air Compressor Company

Application December 23, 1937, Serial No. 181,453

3 Claims. (Cl. 299—77)



1. The combination of a housing and a hose adapted to be looped within the housing, the hose possessing the tendency to extend substantially straight and being flexible to bend in a loop upon constraint, the housing having two spaced and substantially parallel side wall means and having relatively narrow connecting walls connecting said side wall means, said connecting walls having front and rear portions, the housing having an opening in the front portion of the connecting walls intermediate the ends of the housing, anchoring means for anchoring one end of the hose in the housing, the said hose passing through said opening with the other end of the hose being positioned externally of the housing, said anchoring means being disposed adjacent the rear portion of the connecting walls and spaced from a plane passing through the said opening and substantially perpendicular to the side wall means and the front and rear portions of the connecting walls, said anchoring means having a directing portion for directing the hose adjacent the anchored end substantially perpendicular to the said plane, the connecting walls at a distance from the opening and at opposite ends of the housing forming constraining surface means, the said hose upon being moved inwardly of the housing through the opening bending in a loop toward and meeting the constraining surface means at one of said opposite ends and upon being constrained thereby bending in a reverse loop toward and meeting the constraining surface means at the other of said opposite ends to form reversely curved loops constrained within the housing, the hose upon being looped being supported laterally by the side wall means.

2,184,364

DEVICE FOR HOLDING ANIMALS WHILE UNDER TREATMENT OR OPERATIONS

David W. Shook, Dayton Township, Butler County, Iowa

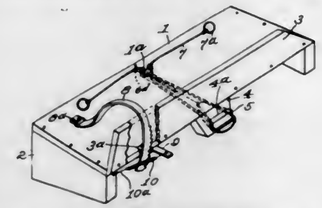
Application January 21, 1938, Serial No. 186,088

Renewed May 20, 1939

2 Claims. (Cl. 119—103)

1. In combination, a raised platform with an upwardly extending lateral wall, and having a depending projection below the wall with an aperture having transverse parallel faces, a wedge having an outer end wider than the horizontal width of said aperture, a cord or the like having a medial part around the wider end of the wedge

with its members passed through said aperture between its side walls and the sloping side walls of the wedge, and a resilient connection between the inner narrower end of the wedge and the op-



posite part of the platform, whereby the wedge may adjustingly clamp the cord members to said projection after the members are fastened to limbs of an animal supported upon and against the platform and its ledge.

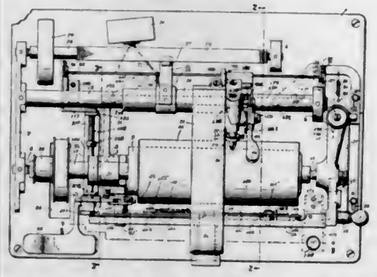
2,184,365

PHONOGRAPH RECORD SHAVING MACHINE

Richard M. Somers, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application June 25, 1938, Serial No. 215,948

29 Claims. (Cl. 82—1.1)



1. In a phonograph record shaving machine having a support on and from which a record is mounted and removed: the combination of a tool-carriage capable of forward and return movements across said support; a member moved incidental to the removal of a record from the machine; and means operatively connected with said member for causing a partial return of said tool-carriage as an incident to a record removal.

2,184,366

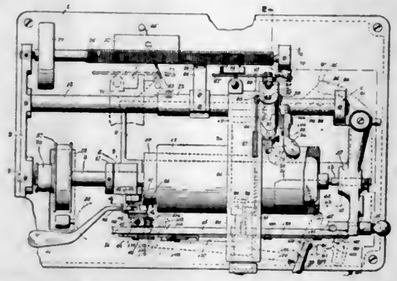
PHONOGRAPH RECORD SHAVING MACHINE

Charles Huenlich, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application July 1, 1938, Serial No. 216,886

33 Claims. (Cl. 82—1.1)

1. In a phonograph record shaving machine having means for supporting a record, record-rotating means, a carriage, means for advancing the carriage across the record, and a resurfacing tool on said carriage movable to operative position with respect to the record: the combination of a pair of "on" and "off" switches for controlling said record-rotating means and carriage-advancing means; a record ejector rendered inoperable when the first of said switches is in "on" position; means for operating the second of said switches to "off" position by the terminal movement of said carriage; means for locking said carriage against return movement from its terminal position; means for unlocking said carriage-locking means, for rendering said record ejector operable, and for moving said tool out of operative position, as said first switch is operated to off position; means for moving said carriage



through a first portion of its return travel incidental to the operation of mounting a record on the machine; and means connected with said carriage for operating said second switch to "on" position by the movement of the carriage through the remaining portion of its return travel.

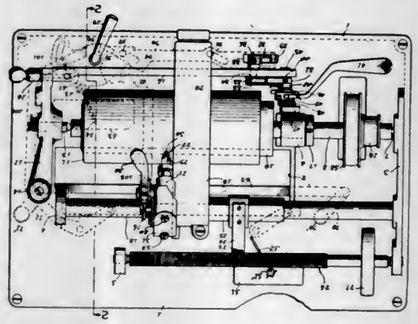
2,184,367

PHONOGRAPH RECORD SHAVING MACHINE

Charles Huenlich, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application July 1, 1938, Serial No. 216,887

18 Claims. (Cl. 82—1.1)



1. In a phonograph record shaving machine having means for rotating a record, and a carriage movable along the record: the combination of a switch operable between "off" and "on" positions to control said record-rotating means; a resurfacing tool on said carriage settable into operative position relative to the record; and means, controlled by said tool, for rendering said switch inoperable from "on" position to "off" position when said resurfacing tool is in operative position.

2,184,368

PHONOGRAPH RECORD RESURFACING MACHINE

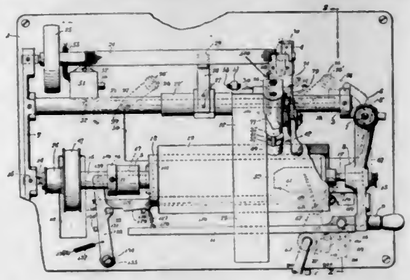
Charles Huenlich, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application January 19, 1939, Serial No. 251,658

16 Claims. (Cl. 82—1.1)

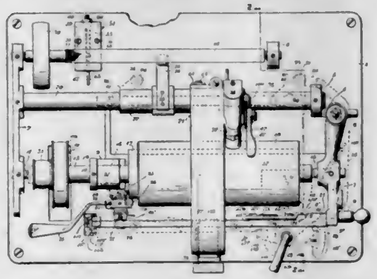
1. In a phonograph record resurfacing machine

having a record-supporting mandrel: the combination of an end-gate for said mandrel movable into and out of a mandrel-supporting position; latching means for releasably holding said end-



gate in said mandrel-supporting position; means for controlling the operation of the machine; and means, operated by said latching means, for operating said control means.

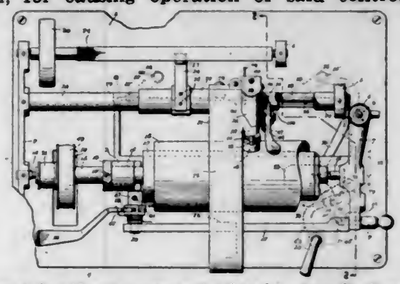
2,184,369
PHONOGRAPH RECORD RESURFACING MACHINE
Charles Huenlich, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application April 18, 1939, Serial No. 268,471
12 Claims. (Cl. 82—1.1)



1. In a phonograph record resurfacing machine having a mandrel for supporting a record to be resurfaced: the combination of a movable endgate retainable in a mandrel-supporting position; a tool-carriage movable along said mandrel into a terminal position; and means, operated incidental to the movement of said tool-carriage into terminal position, for locking said endgate in its mandrel-supporting position.

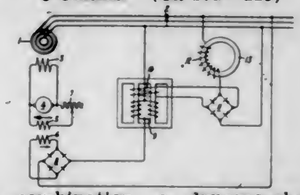
2,184,370
PHONOGRAPH RECORD RESURFACING MACHINE
Charles T. Jacobs, New Providence Township, Union County, and Louis Z. La Forest, Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application June 2, 1939, Serial No. 277,012
13 Claims. (Cl. 82—1.1)

1. In a phonograph record resurfacing machine having a record support: the combination of a resurfacing tool movable into and out of operative position relative to a record on said support; means for controlling the operation of the machine; and means, controlled by said resurfacing tool, for causing operation of said controlling



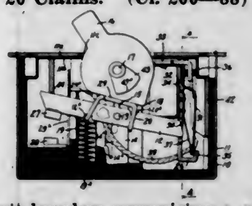
means by the movement of said resurfacing tool into operative position.

2,184,371
REGULATING SYSTEM
Louis W. Thompson, Schenectady, N, Y., assignor to General Electric Company, a corporation of New York
Application February 16, 1938, Serial No. 190,827
3 Claims. (Cl. 171—119)



3. In combination, a dynamo-electric machine connected to an electric circuit, excitation means for said machine comprising a main field winding and a weaker bucking field winding, a rectifier having alternating current input terminals connected to be responsive to the voltage of said circuit and direct current output terminals connected to energize said bucking winding, a negative impedance-current characteristic device connected in circuit with said input terminals, separate means for controlling the impedance of said device, a second rectifier having alternating current input terminals connected to be responsive to the voltage of said circuit and having direct current output terminals connected to energize said impedance controlling means, and a second negative impedance-current characteristic device connected in circuit with the alternating current input terminals of said second rectifier.

2,184,372
CIRCUIT BREAKER
Fred G. von Hoorn, Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application November 19, 1938, Serial No. 241,395
20 Claims. (Cl. 200—88)



1. A circuit breaker comprising a switch member mounted for pivotal movement, circuit con-

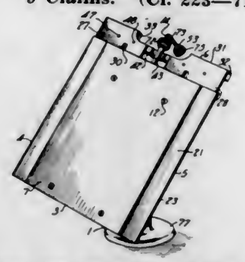
trolling means operated by said switch member, means for actuating said switch member from an open circuit to a closed circuit position, means for biasing said switch member, current responsive means releasably securing one end of said switch member whereby movement of said actuating means moves said switch member about said secured end, and an element interposed between said switch member and said actuating means carried by said switch member having a portion engaging said switch member, a portion engaging said biasing means and another portion thereof engaging said actuating means whereby said switch member, said biasing means and said actuating means are operatively interconnected.

2,184,373
STORAGE BATTERY
Leland R. Adams, Akron, Ohio
Application August 27, 1936, Serial No. 98,163
3 Claims. (Cl. 136—147)



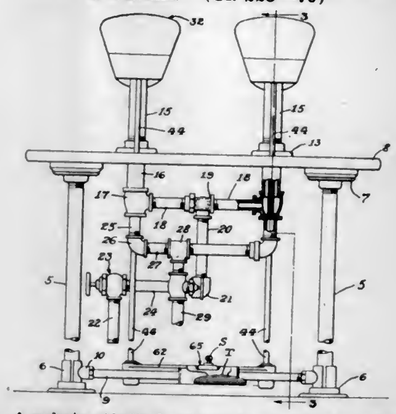
1. In a storage battery, positive and negative plates, a unitary porous insulating element molded around said plates and extending therebetween, said element provided with parallel, elongated passageways which extend vertically therethrough only along each side of each positive plate.

2,184,374
SHIRT BOARD
Stephen G. Allan, Kansas City, Kans.
Application June 13, 1936, Serial No. 85,119
Renewed June 8, 1939
9 Claims. (Cl. 223—71)



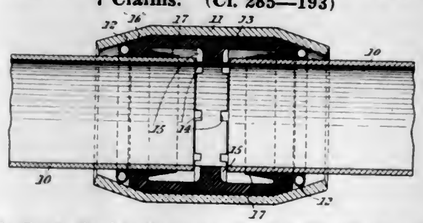
1. A board for displaying shirts and like garments in folded condition including a flat body section, plate-like side wings extensively supported on the body section, means for adjusting the side wings to vary the width of the board to correspond with the width of the folded garment supported by the board, interconnected shoulder wings of similar plate-like character and having slidable support on the side wings, and means for adjusting the shoulder wings for varying the length of the board to correspond with the length of the folded garment.

2,184,375
APPARATUS FOR DRYING AND SHAPING THE SHOULDERS OF GARMENTS
Robert J. Beede, Providence, R. I., assignor to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Application April 4, 1938, Serial No. 200,002
5 Claims. (Cl. 223—70)



1. A substantially horizontal stationary member having an enlarged end having its end and upper surfaces approximately at right angles to each other and shaped to correspond to the inner contour of the shoulder and upper sleeve portion of a coat, said member tapering therefrom to its rear end with a smooth unbroken surface, means for heating said member, a weighted tapered jaw pivoted at its front end to said stationary member near the enlarged end thereof and shaped to form, when in juxtaposition with the stationary member, substantially a circumferential continuation of its tapered portion, and releasable means to move said jaw into juxtaposition with the stationary member, whereby the upper portion of the sleeve of a coat may be drawn over the tapered portions of the stationary member and the jaw and the shoulder of the coat laid over the enlarged end of the stationary member, said jaw being so constructed and arranged that when released it will draw the sleeve and adjacent parts of the coat against the outer surfaces of the heated stationary member.

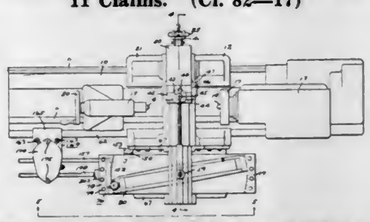
2,184,376
COUPLING DEVICE
Walter O. Beyer and Thomas R. Tarn, Pittsburgh, Pa.
Application June 10, 1937, Serial No. 147,411
7 Claims. (Cl. 285—193)



1. In a device for holding a member in posi-

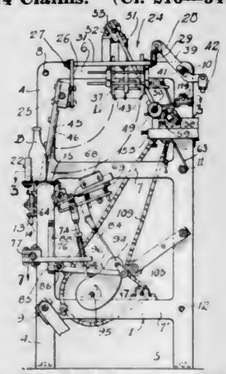
tion with respect to it, a housing having a sloped contact portion, a resilient annulus member having strut elements, said strut elements being constructed and arranged to cooperate with said sloped contact portion and with the member to be held in position, said strut elements having inner and outer peripheral portions, one of said peripheral portions being constructed and arranged to provide a spaced-apart contact with said sloped contact portion, the other of said peripheral portions being constructed and arranged to provide a spaced-apart contact with the member being held, the construction and arrangement of said annulus member being such that said spaced-apart strut elements will tilt when a turning withdrawal force is exerted between said housing and the member.

2,184,377
TAPER FORMING MACHINE
Clifford A. Bickel, Sidney, Ohio, assignor to The Monarch Machine Tool Company, Sidney, Ohio, a corporation of Ohio
Application July 26, 1937, Serial No. 155,637
11 Claims. (Cl. 82—17)



1. In a machine tool, a bed, a stationary support mounted on said bed and positionally adjustable relatively thereto, a workpiece-rotating element, a carriage, means for moving said carriage along said bed, a tool mounted on said carriage, an angularly disposable guide slidably mounted on said carriage, a follower engaging said guide, a connector between said follower and said tool, a first rack connected to said guide, gearing on said stationary support meshing with said first rack, and a second rack anchored to said carriage and meshing with said gearing for actuating said gearing and said first rack to move said guide relatively to said carriage and said bed in response to the motion of said carriage along said bed.

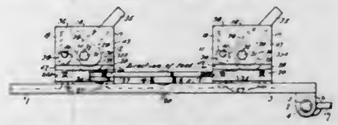
2,184,378
LABELING MACHINE
George M. Biner, Los Angeles, Calif.
Application June 19, 1937, Serial No. 149,123
14 Claims. (Cl. 216—54)



9. A labeling machine comprising means to supply labels from a source of supply to successive containers, an adhesive fountain, means to transfer adhesive from the fountain to the labels successively, said means including a plate to apply adhesive to the labels and a roller to transfer the adhesive from the fountain to the plate, spring means tending to move the roller from the fountain to the plate, and releasable means maintaining the roller at the fountain until the plate is ready to have a fresh supply of adhesive applied thereto.

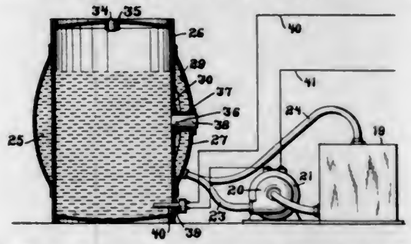
14. A labeling machine comprising a support for a supply of labels, a support for containers, mechanism to transfer labels successively from the supply thereof to containers on the latter support, means to affix to containers the labels transferred, said mechanism being mechanically connected for continuous operation, means urging said label support to an inoperative position with respect to the removal of labels therefrom, and releasable means to render the label support operative at will.

2,184,379
WIRE STRETCHER
Leonard C. Burner, Marshfield, Oreg.
Application October 30, 1937, Serial No. 171,823
3 Claims. (Cl. 254—76)



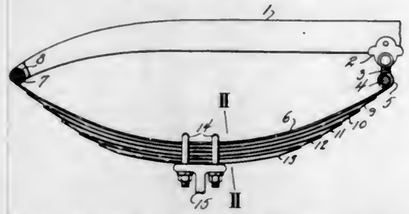
1. In a wire stretcher the combination of a pair of heads adapted to be reciprocated, gripping members carried by each head comprising a fixed lower flat-topped member having teeth hooked in the "direction of feed" and an eccentrically mounted upper pressure bar member having a barrel portion provided with teeth hooked against the "direction of feed."

2,184,380
THERMAL EXCHANGE BARREL
Ernest C. Deibel, Akron, Ohio
Application December 28, 1936, Serial No. 117,697
2 Claims. (Cl. 62—144)



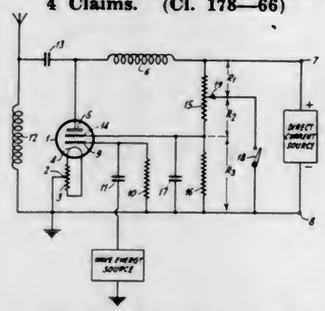
1. In a device of the character described, a barrel, a jacket enclosing a space around said barrel, said jacket having an inlet opening at one extremity of said space and an outlet opening at the other extremity thereof; means to cool a thermal exchange liquid to a desired temperature and means operative to force said liquid through said inlet opening to said space to fill the same therewith and cause the same to flow therethrough and be discharged from said outlet opening, and thermostatic means controlled by the temperature of the contents of the barrel for regulating the flow of the liquid.

2,184,381
SPRING LEAF MANUFACTURE
Harry E. Figgie, Cleveland, and Niels E. Hendrickson, Toledo, Ohio, assignors to The Mather Spring Company, Toledo, Ohio, a corporation of Ohio
Application April 22, 1938, Serial No. 203,506
3 Claims. (Cl. 267—47)



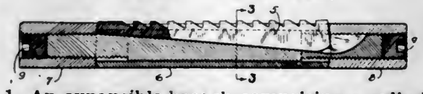
1. A leaf spring element of approximately parallel opposing major extent sides of different widths for its flat portion in normal unflexed position, adapted to be flexed therefrom by tension on the wider flat side, the narrower side having approximately parabolic major convexly curved contour therefrom toward the wider side terminus, wherein said extent of such curved contour along the side is greater than the distance between the flat sides, there being minor convex curved contour approaching tangency for the junction of the sides with the major curved contour.

2,184,382
RADIO AND OTHER HIGH FREQUENCY TELEGRAPH TRANSMITTERS
Douglas Frank George, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1937, Serial No. 139,865
In Great Britain May 12, 1936
4 Claims. (Cl. 178—66)



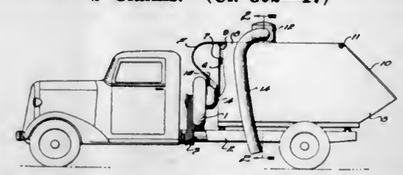
1. In a telegraphy system, an electron discharge tube having an emission electrode and a plurality of auxiliary electrodes, means for causing wave energy to flow between said electrodes, and for interrupting the flow of the same and for utilizing a substantially constant amount of energy during said operations including a source of direct current potential connected at its positive terminal to one of said auxiliary electrodes and at its negative terminal to said emission electrode, a resistance in shunt to said source of direct current potential, a connection between a point on said resistance and another of said auxiliary electrodes, and a key movable between closed and open positions shunting a portion of said resistance the resistance of said potentiometer being distributed between said connections in such a manner that said auxiliary electrodes and resistance impose a substantially constant load on said source of direct current in all positions of said key.

2,184,383
EXPANSIBLE BROACH
Robert E. Glenny, Cleveland, Ohio, assignor of forty-nine one-hundredths to The East Shore Machine Products Company, Cleveland, Ohio
Application March 21, 1938, Serial No. 197,048
3 Claims. (Cl. 29—95.1)



1. An expansible broach comprising a cylindrical body member having screw-threaded end portions and longitudinally inclined axially extending slot means, broaching blade means having corresponding bottom inclination for adjustable engagement within said inclined slot means, cylindrical split sleeve means engaged about said body member so that the blade means will extend therethrough, and cylindrical nuts on the ends of said body member, said body member, sleeve and nuts being co-axially disposed, said nuts having locking engagement with the ends of the sleeve means and blade means and being flush with said sleeve means.

2,184,384
PNEUMATIC LOADER
Brand F. Gregoric, Detroit, Mich., assignor to Pneumatic Truck Body Corporation, Detroit, Mich., a corporation of Michigan
Application September 9, 1937, Serial No. 163,113
2 Claims. (Cl. 302—17)

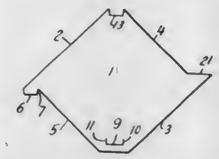


1. In a pneumatic loader for a closed automobile dump truck body, an extension formed on the forward end of the truck body providing an exhaust chamber, the bottom of the extension sloping downwardly toward the truck body, a partition separating the extension from the truck body and terminating below the top of the truck body, a screen between the top of the partition and the top of the truck body, an exhaust conduit opening through the sloping bottom wall of the extension, air exhaust means connected to the exhaust conduit, the arrangement allowing reduction of pressure within the truck body, a rotary turret mounted on top of the truck body, a pick up conduit connected to the rotary turret and arranged to discharge through the rotary turret into the truck body and a tail gate on the end of the dump truck body normally acting as a closure for the truck body but allowing removal of material therefrom when opened.

2,184,385
SHINGLE
Ocie Caleb Hall, Chicago, Ill., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application December 21, 1937, Serial No. 180,938
4 Claims. (Cl. 108—7)

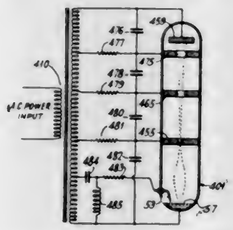
4. A felt base individual, substantially square

interlocking shingle comprising a body portion bounded by side edges defining upper and lower corners and horizontal corners, said shingle being provided with a downwardly extending locking member adjacent one of said horizontal corners and with a locking opening forming a downwardly extending flap adjacent said lower corner, said locking member being adapted when the shingle is laid to extend downwardly and outwardly through



the locking opening and underlie the flap of a similar overlying shingle, two of the side edges of said shingle being substantially parallel and devoid of portions of shingle material projecting therefrom so that said shingle may be packaged with other like shingles between rectangular shingle boards with said parallel side edges substantially registering with the side edges of said shingle boards to form a shingle package free from projecting protuberances of shingle material.

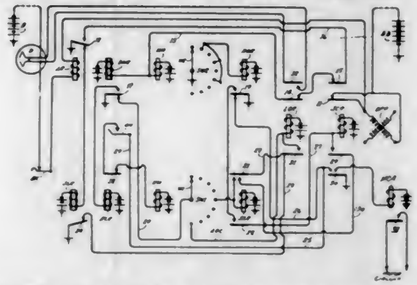
2,184,386
ELECTRIC ARC DISCHARGE LAMP
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 24, 1937, Serial No. 181,505
16 Claims. (Cl. 176—13)



1. A gas discharge lamp comprising an evacuated casing having a mercury pool cathode at one end, an anode at the other end, means for establishing an arc discharge between the anode and cathode, means for increasing the voltage drop in the arc comprising an apertured barrier anode between the anode and cathode, the aperture providing a restricted arc discharge path and means for energizing said barrier anode.

2,184,387
STATION SELECTOR SYSTEM
Glenn Kiner, Park Ridge, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1935, Serial No. 55,724
22 Claims. (Cl. 178—2)

1. In a telegraph system comprising a single line, a plurality of stations associated with said line, each equipped with a printing telegraph transmitter and receiver, signalling means at each station, means at each station responsive to said signalling means, said means cooperating to operatively connect at choice, either all, or any one of all groups of more than two and less than all of said stations to said line, re-



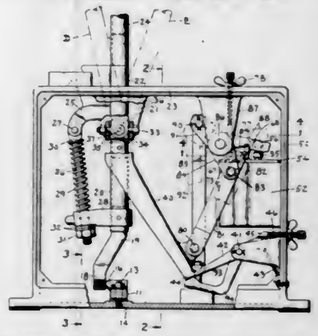
sponsive to a single complete operation of said signalling means.

2,184,388
AUTOMOBILE LATCH
Arthur A. Kraft, St. Louis, Mo., assignor to William H. Biggs, St. Louis, Mo., as trustee
Application October 23, 1937, Serial No. 170,542
5 Claims. (Cl. 292—332)



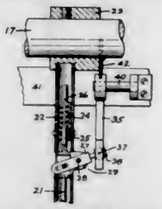
1. In a latch, the combination comprising a selvage plate, a sliding bolt passing through an orifice in the selvage plate and having a recess in a longitudinal face adjacent its end, a spring urging the bolt toward extended position, and a ball adapted to rest in said recess when the bolt is retracted and by wedging between the edge of the recess and the edge of the orifice to hold the bolt in retracted position until the ball is displaced.

2,184,389
TRAP RELEASE
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application January 26, 1937, Serial No. 122,343
14 Claims. (Cl. 124—33)



1. A trap releasing timer comprising a manually operable member, a trap releasing member, operative connections between said manually operable member and said trap releasing member comprising a normally ineffective latch rendered effective by said manually operable member, a piston displaced by said manually operable member, and latch displacing means actuated by the return of said piston to normal position.

2,184,390
THREAD GUIDE MECHANISM
Louis E. Lovett, Cleveland Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application October 26, 1936, Serial No. 107,513
9 Claims. (Cl. 242—43)



2. An oscillating thread guide mechanism comprising a rocker shaft; an arm secured to and depending from said rocker shaft; a carrier rod mounted in operative relation to said arm, said carrier rod being provided with a thread guide eye; and means cooperating with said arm for sliding said carrier rod longitudinally thereof as said arm is oscillated.

2,184,391
HOLLOW CONDUCTOR
William Lowe, Ansonia, Conn., assignor to Anaconda Wire and Cable Company, New York, N. Y., a corporation of Delaware
Application January 7, 1937, Serial No. 119,435
6 Claims. (Cl. 174—130)



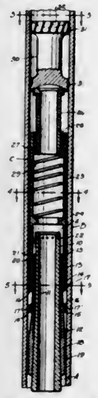
1. A hollow flexible conductor comprising inner and outer layers of preformed segmental wires, the adjacent wires of the respective layers being formed at their engaging edges with cooperating means securing each of them against separation relative to the other in a direction radially of the conductor, said inner layer of wires forming a supporting arch for the layer of outer wires, cooperating means integral with the two layers of wires securing the layers against separation radially of the conductor, and adjacent wires being longitudinally slidable relative to each other to permit flexing of the conductor.

2,184,392
HOLLOW CONDUCTOR
William Lowe, Ansonia, Conn., assignor to Anaconda Wire and Cable Company, New York, N. Y., a corporation of Delaware
Application January 7, 1937, Serial No. 119,436
6 Claims. (Cl. 174—130)



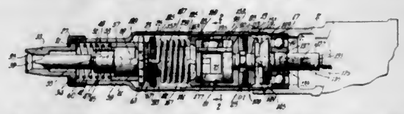
1. A self supporting flexible hollow conductor comprising inner and outer layers of segmental wires, said wires being preformed before assembly to substantially their shape in the finished conductor, the adjacent segments of one layer having aligned grooves in their longitudinal edges, wires at the edges of said latter segments received in said grooves and securing adjacent segments against separation in a direction radially of the conductor, and the segments of the other layer spanning the joints between the segments of said first layer and engaging the segments thereof and holding them in engagement with said wires and against separation circumferentially of the conductor and also holding the layers against separation in a direction radially of the conductor, and adjacent wires being longitudinally slidable relative to each other to permit flexing of the conductor.

2,184,393
PARAFFIN REMOVING DEVICE
John C. Luccous, Houston, Tex., assignor to Herbert C. Otis, Dallas, Tex.
Application August 9, 1937, Serial No. 158,168
12 Claims. (Cl. 166—18)



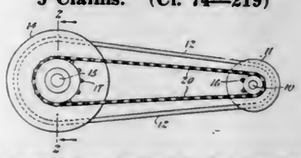
1. In combination in a paraffin removing device, a stop arranged to be mounted at any desired elevation within a well tubing, and a paraffin scraper having scraping blades and a depending sleeve arranged to be dropped through the tubing and supported by the stop, said sleeve telescoping the upper end of the stop.

2,184,394
CLUTCH MECHANISM
Whitfield Moretti, Millers Falls, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts
Application September 20, 1937, Serial No. 164,685
9 Claims. (Cl. 192—30.5)



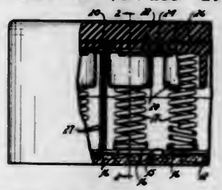
8. A clutch drive assembly comprising, in combination, a pair of coaxial spindles, clutch pin means normally forming an operative connection between said spindles, means for applying torque to said clutch pin means for holding the same in operative position, and means whereby torque applied in opposition to and in excess of said first-named torque will cause said clutch pin means to shift to inoperative position and so break the connection between said spindles.

2,184,395
POWER TRANSMISSION
Robert V. Morse, Ithaca, N. Y.
Application June 15, 1937, Serial No. 148,264
5 Claims. (Cl. 74—219)



2. In a power transmission, the combination of a variable V belt drive adapted to carry the load, a control transmitting mechanism in parallel therewith and having a fixed ratio between the driving and driven speeds, and means operated by the difference in speed between the load carrying V belt drive and the fixed ratio control mechanism to maintain the V belt drive at the same running ratio as the control mechanism, whereby power may be transmitted by the V belt drive at a fixed speed ratio.

2,184,396
CUSHION CONSTRUCTION
Everett Mudge, Detroit, Mich.
Application October 5, 1937, Serial No. 167,357
7 Claims. (Cl. 155—179)



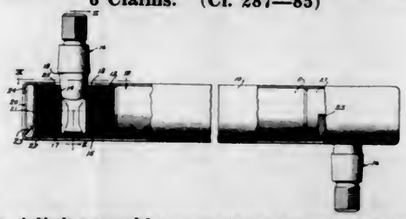
6. In a cushion construction of the class described, a flexible pad-forming body having a depending apron projecting downwardly from the marginal edges thereof, the under surface of said body having an endless groove formed therein, the sides thereof lying against the inner surface of said apron and the ends thereof being positioned inwardly from the inner surface of said apron, and a second groove positioned between each of the ends of said endless groove and the apron; a reenforcing structure lying in said groove; a plurality of spaced pocket-forming members on said body and opening downwardly from the bottom thereof.

2,184,397
APPARATUS FOR DISPENSING CARBONATED WATER
John G. Nelson, Salt Lake City, Utah
Application May 14, 1937, Serial No. 142,615
3 Claims. (Cl. 221—23)



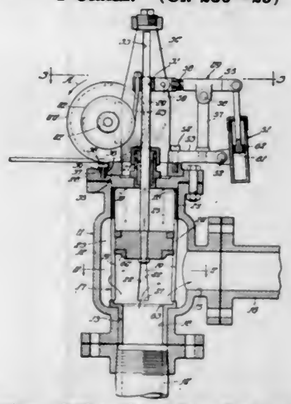
1. A dispenser for canned carbonated water beverage comprising, a casing; a conduit leading from the center of the bottom of said casing and extending up one side thereof to a level above the level of the top of the container in which the beverage is canned extends; a valve in the top of said conduit; a piercing point mounted centrally in said casing above the open end of said conduit; a gasket in the bottom of said casing extending to the perimeter thereof and having an annular groove near the perimeter of the casing in which the top flange of the can is adapted to seat when the can is inserted in the casing prior to the puncturing thereof to prevent escapement of the fluid therearound; and a cover for said casing to be secured thereto in fixed relation thereto after insertion of the canned beverage.

2,184,398
LINK ASSEMBLY
Ralph F. Peo and Gervase M. Magrum, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application June 26, 1937, Serial No. 150,438
6 Claims. (Cl. 287—85)



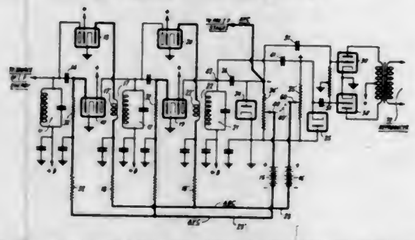
6. A link assembly comprising a housing having an opening giving entrance thereto, a resilient rubber bushing in said housing, and a stud extending through the opening of the housing seated in said rubber bushing, the improvement which comprises a wire mesh screen disposed between the bushing and the housing and surrounding said stud for preventing extrusion of the bushing material through the housing opening.

2,184,399
DRAFT CONTROL AND REGULATING DEVICE
Lyman S. Powell, Chicago, Ill.
Application September 26, 1936, Serial No. 102,705
1 Claim. (Cl. 236—25)



A device of the class described comprising a casing having a chamber and an outlet opening formed therein communicating with a steam line, a bonnet secured to one end of said casing, a sleeve removably mounted in the casing and having an inlet port adjacent one of its ends adapted to communicate with a source of steam supply, a valve seat surrounding said inlet port, said sleeve having a plurality of elongated tapered outlet ports having their widest ends adjacent the lower portion thereof and communicating with the interior of said sleeve and with said chamber and outlet opening, a piston slidably mounted in said sleeve and having a stem extending outwardly through said bonnet, a portion of said sleeve adjacent the upper end thereof having a plurality of grooves formed on its outer side communicating with said chamber to permit the passage of steam between said sleeve and casing from one side of said piston to the opposite side thereof, a valve head on said piston engageable with said valve seat, and means mounted on said bonnet adapted to be connected to a draft device and operatively connected to said stem for controlling the position of the draft device in accordance with the position of said piston in said sleeve as determined by the amount of steam passing through said casing to said steam line.

2,184,400
WAVE TRANSMISSION CIRCUITS
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1936, Serial No. 103,230
8 Claims. (Cl. 250—20)

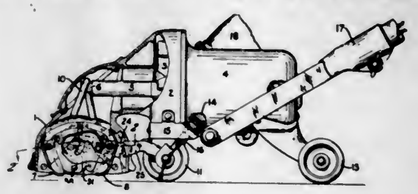


2. In a signal carrier receiving system, at least two cascaded resonant circuits tuned to a common carrier frequency, a first electron discharge device having input electrodes connected to the first of said circuits and output electrodes connected to the second of said circuits whereby to provide between said first circuit and said second circuit an effective transconductance of one sign, a second electron discharge device, also having input electrodes and output electrodes, arranged to provide between the second of said circuits and the first of said circuits an effective transconductance of opposite sign to that of said first mentioned transconductance, the internal impedance between output electrodes of each of said devices being connected in shunt across one of said circuits, means, responsive to an increase in carrier amplitude, for decreasing the transconductance of one device, and means, responsive to said increase, for simultaneously increasing the transconductance of the other device, said two means being in predetermined relation.

2,184,401
SUCTION CLEANER
William Douglas Sellers, Glen Ellyn, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application February 13, 1936, Serial No. 63,762
18 Claims. (Cl. 15—6)

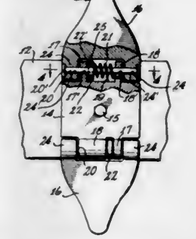
1. In a suction cleaner, a body including a nozzle, a movable lip on said nozzle defining one side of a nozzle mouth, an agitator adjustably mounted in said nozzle, means to move said lip to widen or to narrow said nozzle mouth, and means to adjust the position of said agitator in said nozzle, said means being responsive to the adjustment of said first-mentioned means.

2. In a suction cleaner, a body including a nozzle, a movable lip on said nozzle defining one side of a nozzle mouth, surface agitating means adjustably mounted in said nozzle, means to raise and lower said body relative to a supporting surface, and means responsive to the adjustment of said last-mentioned means to alter the position of said lip to widen or narrow said mouth and to raise or lower said agitator in said nozzle.



15. In a suction cleaner, a nozzle, spaced lips mounted for synchronous movement toward and from each other defining the sides of the nozzle mouth, a surface covering agitator in said nozzle mounted for movement toward and from a surface covering undergoing cleaning, and means operated by a single manually operable means to adjust said lips and to raise and lower said agitator.

2,184,402
NONLOCKABLE BUMPER GUARD
Emmet F. Spencer, South Pasadena, Calif.
Application April 3, 1937, Serial No. 134,799
1 Claim. (Cl. 293—55)

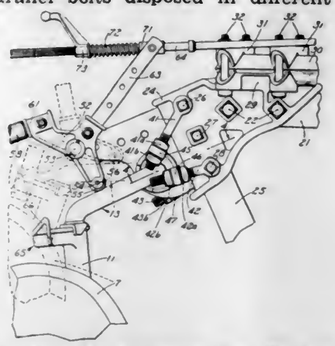


For use on an automobile bumper, a bumper guard comprising: a supporting member adapted to be attached to a bumper, said supporting member having an aperture therethrough; a pair of guard members having apertured ears formed thereon; a bolt extending through the ears of said guard members and through said supporting member; one of the ears of each of said guard members having a recess formed therein; a spring on said bolt in each of said recesses, each of said springs being attached at one end to an ear of one guard member and at the other end to an ear of the other guard member whereby said guard members are yieldably held against said bumper.

2,184,403
PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 19, 1937, Serial No. 159,933
21 Claims. (Cl. 97—127)

1. In a plow comprising a plow beam, a rear support for said beam, and means connecting said support to said beam for lateral and vertical

adjustment relative thereto comprising three non-parallel bolts disposed in different planes



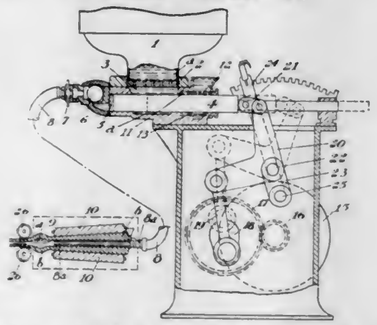
having means for adjusting the effective length thereof.

2,184,404
INFANT'S HARNESS
Mildred Scarborough Stricker, St. Louis, Mo.
Application March 9, 1938, Serial No. 194,795
Renewed June 14, 1939
1 Claim. (Cl. 227—49)



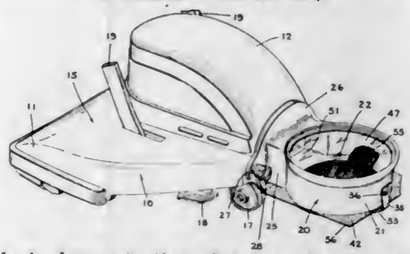
An infant's harness comprising a body portion provided with arm-holes and having a cut-out portion at the upper edge of said body portion, loops extending from the ends of said body portion, and binding material at the edges of said body portion and at the edges of said arm-holes, said loops being provided by extended portions of said binding material.

2,184,405
APPARATUS FOR FILLING SOFT-CENTER CONFECTIONS AND THE LIKE
Hermann Thürlings, Viersen, Germany, assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Original application September 16, 1936, Serial No. 101,116. Divided and this application December 4, 1937, Serial No. 178,077. In Germany October 25, 1935
2 Claims. (Cl. 107—27)



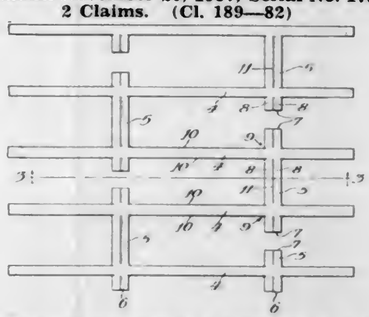
1. Apparatus for extruding viscous, plastic, or fluid material comprising in combination, a source of said material, a cylinder open at its rearward end to communicate with said source and communicating with an extruding orifice at its forward end, a piston mounted for reciprocation in said cylinder and arranged to withdraw from the cylinder on its rearward stroke, whereby on the withdrawal of said piston the cylinder is opened to access of material and during its forward stroke the piston functions as a valve to cut off the cylinder from said supply, means for imparting reciprocatory motion to said piston, and means for varying the depth to which the piston enters the cylinder to vary the amount of material extruded.

2,184,406
SUCTION CLEANER
Charles G. Troxler, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 18, 1938, Serial No. 196,661
8 Claims. (Cl. 35—13)



1. A demonstration dirt-trap for a suction cleaner comprising an air passageway, an air permeable dirt filter in said passageway to remove foreign material from air passing therethrough, and a window disposed substantially parallel to the filtering area of said filter to permit observation of foreign material collected thereon.

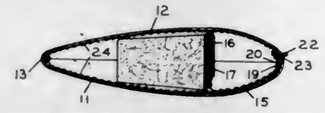
2,184,407
GRATING
Walter A. Bates, Joliet, Ill., assignor to Beulah H. Bates, Joliet, Ill.
Application November 20, 1937, Serial No. 175,685
2 Claims. (Cl. 189—82)



2. A grating comprising a plurality of pairs of spaced relatively wide main bars, said pairs of main bars being arranged in spaced relation, a plurality of rows of spaced secondary bars arranged substantially transversely of, and held in substantially the same plane as, the main bars and being alternately staggered and in alignment with each other and projecting beyond the outer sides of the pairs of main bars to provide

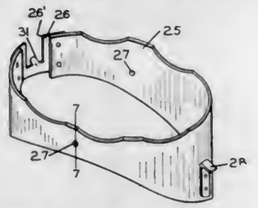
open spaces between said pairs of main bars and also projecting beyond the inner sides of each of the main bars thereby providing open spaces between each of the bars of said pairs of main bars.

2,184,408
EYEGLASS CASE
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 24, 1938, Serial No. 192,264
4 Claims. (Cl. 206—6)



4. An eyeglass case comprising two cover members hingedly secured together along one edge, a bracket secured to one of said members and having an upwardly projecting portion, and a sheet of stiff bendable material secured at substantially its middle to the upwardly projecting portion of said bracket so that the bottom edge of said sheet rests on said one of said members, the free ends of said sheet being bent toward each other to form stops for engagement by the nosepads of a pair of eyeglasses, the other of said members, when in closed position, engaging the top edge of said sheet and being supported thereby.

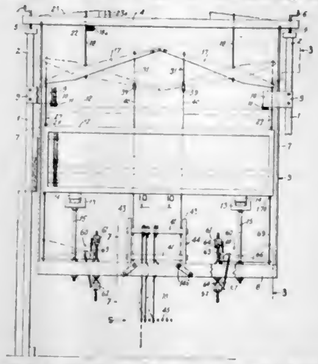
2,184,409
GOGGLE
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application December 15, 1938, Serial No. 245,933
2 Claims. (Cl. 2—14)



1. In a goggle, the combination of an eyecup, said cup having a recess in the inner side of the nasal wall, said cup having an opening in its temporal wall, a substantially cylindrical shield positioned within said cup in coaxial relation therewith and means for holding said shield in position, said means including a projection extending laterally from said shield and into engagement with said recess and a projection extending from the temporal side of said shield and engaging the edge of said opening.

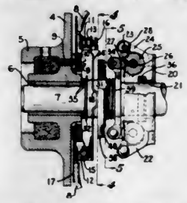
2,184,410
LOOM HARNESS MECHANISM
David Carroll Churchill, Berea, Ky.
Application February 16, 1938, Serial No. 190,792
18 Claims. (Cl. 139—33)

1. In a loom construction, a heddle harness reciprocable in a frame, a pair of vertically adjustable levers above the harness each pivotally supported at points intermediate the ends thereof, one end portion of each lever connected by a cord to an end portion of the harness, the other end portions of the levers being hingingly



connected together and at least one of the levers being connected to a harness operating pedal.

2,184,411
ELECTRIC MOTOR SWITCH
Brooks L. Conley, Jersey City, N. J., assignor of one-half to Frederick S. Kingston, Jersey City, N. J.
Application October 30, 1935, Serial No. 47,374
2 Claims. (Cl. 200—80)

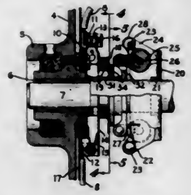


1. In a centrifugal switch construction, a rotatable unit adapted to be mounted upon a rotatable shaft at one side of the armature and comprising a frame adapted to seat directly upon the shaft, a pair of cradles pivotally mounted upon the frame at diametrically spaced points, spring means carried by said frame opposing the movement of said cradles under centrifugal force, a centrifugal weight carried by each cradle, a sleeve adjacent one side of said frame and supported from said cradles for movement toward and from said frame, a contact-actuator slidingly mounted for movement upon said sleeve, and spring means urging said contact-actuator in one direction on said sleeve, said unit being adapted to be positioned upon a shaft as a unit.

2,184,412
ELECTRIC MOTOR SWITCH
Brooks L. Conley, Jersey City, N. J., assignor of one-half to Frederick S. Kingston, Jersey City, N. J.
Application October 30, 1935, Serial No. 47,375
11 Claims. (Cl. 200—80)

1. In a motor having a stator including a casing with an end wall and a rotor including a rotatable shaft, a stationary contact mounted on said end wall, a movable contact mounted on said end wall, extending around said shaft, and movable to and from said stationary contact, spring means acting on said movable contact and urging it in one direction, a member movably mounted on said movable contact, extending

around said shaft, and movable toward and from said movable contact, and second spring means acting on said member and urging it relative to said movable contact, the relationship being such that a force acting on said member against its spring force also acts against the force of the spring acting on said movable contact, and



means to move said member relative to said movable contact and thereafter said movable contact relative to said stationary contact, said means comprising a centrifugal weight mounted on said shaft and movable relative thereto, and means to transmit force from said weight to said member.

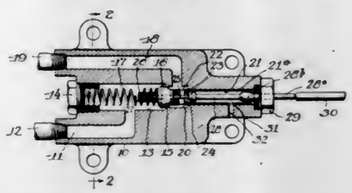
2,184,413

PRESSURE FLUID CONTROL VALVE DEVICE

Alessandro D. Della Chiesa, New York, N. Y., and Louis P. Froehlich, East Rutherford, N. J., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Original application March 11, 1936, Serial No. 68,344. Divided and this application February 17, 1939, Serial No. 256,974

2 Claims. (Cl. 277—21)



1. A pressure fluid control valve device comprising a body provided with a receiving chamber, a delivery chamber, and a bore, a valve seat means between said chamber, a main valve means having a valve member for seating on said seat means and having an extension slidable in said bore, a spring in said receiving chamber and acting against said valve member for normally holding said valve member to its seat on the seat means, said extension comprising a return chamber, a discharge chamber and a valve seat means between said latter chambers, an auxiliary valve slidably carried by said extension and adapted to seat on said latter seat means, a spring carried by said main valve means and acting on said auxiliary valve for normally holding said auxiliary valve in open and unseated position, an abutment means carried by said body and so located as to act as a limit stop for said auxiliary valve when in open position, a discharge passage connected to said discharge chamber, said return chamber being in communication with said delivery chamber, and an actuating element so associated with said auxiliary valve as to move it in one direction to close said auxiliary valve and open said main valve member, and to permit the closing of said main valve member and open said auxiliary valve under the forces of said springs.

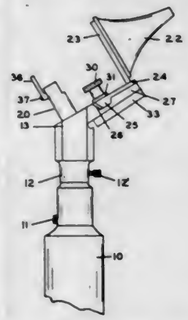
2,184,414

OTOSCOPE

Arthur F. Dittmer, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application April 20, 1938, Serial No. 203,123

6 Claims. (Cl. 128—9)



2. A diagnostic instrument comprising a support, a tubular speculum having one end formed for engaging in a cavity of the body, said speculum being movably mounted on said support for swinging movement about an axis substantially perpendicular to the axis of the speculum and passing substantially through said one end, a source of light carried by said support and means for directing light from the source through the speculum to said end.

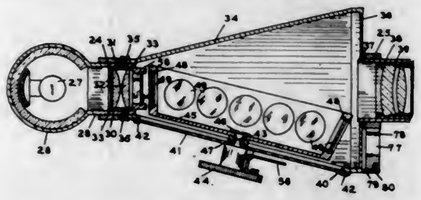
2,184,415

PROJECTOR

Arthur F. Dittmer, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application September 21, 1938, Serial No. 231,005

7 Claims. (Cl. 88—20)



1. A projection apparatus comprising a support having two spaced aligned bearings, a lamp house, carried by one bearing, a lamp in said lamp house for projecting light through said bearings, a hollow housing rotatably journalled at one end in said one bearing, a tube rotatably journalled in the other bearing, means for securing said tube to said housing, an objective lens carried by said tube and a slide changing mechanism mounted in said housing.

2,184,416

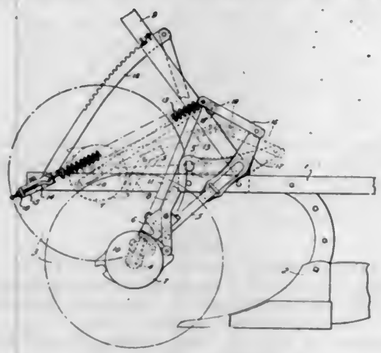
EARTH WORKING IMPLEMENT

George Ross Ego, Brantford, Ontario, Canada, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada

Application June 29, 1938, Serial No. 216,496

4 Claims. (Cl. 97—72)

1. In an earth-working implement having a wheel-supported frame carrying earth working units, a lift mechanism for raising or lowering said frame and a lever manually operable to adjust the level of said frame, resilient means ex-



erting a force on said lever in one direction and means whereby the point of application of said force on the lever is shiftable in response to movement of the frame by said lift mechanism.

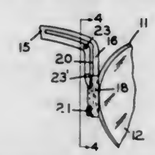
2,184,417

OPHTHALMIC MOUNTING

Gerhard A. Ellestad, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application March 27, 1937, Serial No. 133,432

4 Claims. (Cl. 88—49)



4. An ophthalmic mounting comprising a pair of lens holding devices carrying lenses, a bridge connecting said devices, a guide member mounted adjacent to each device, an auxiliary bridge having an arch and two spaced legs, said legs being mounted, respectively, on said guide members and loosely slidable thereon, a nose pad carried by each leg, and stop means for holding said auxiliary bridge in adjusted position, said means comprising a part extending rearwardly from said bridge and in the path of a part of said auxiliary bridge, and a cam surface on one of said parts, the other part being constructed and arranged to yield resiliently and ride over said cam surface.

2,184,418

MASSAGE TABLE

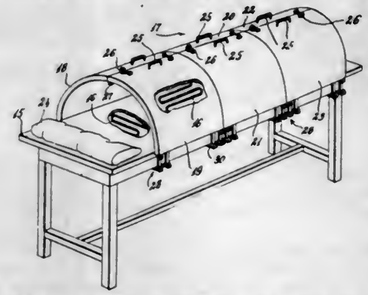
Arthur A. Faigle, New York, N. Y., assignor to Zelda Radow Salon of Body Sculpture, Inc., New York, N. Y.

Application February 1, 1938, Serial No. 188,018

1 Claim. (Cl. 123—373)

In an apparatus of the character described, a table member, a hood adapted to set over said member to form a tubular structure therewith; the exterior surface of the hood being heat insulated, a heating means carried by the hood, adapted to heat a body placed on the table member and a link positioned below the table member,

hinged at one end to the lower edge of the hood and hinged at its other end to the underside of



the table member, whereby the hood is moveable off or under the table member.

2,184,419

MANUFACTURE OF FERRIC SULPHATE

Theodore V. Fowler, Pelham, N. Y., and Henry F. Merriam, West Orange, N. J., assignors to General Chemical Company, New York, N. Y., a corporation of New York

Application April 6, 1938, Serial No. 200,386

2 Claims. (Cl. 23—126)

1. The method for making anhydrous ferric sulphate which comprises furnacing solid ferrous sulphate, in contact with sulphuric acid in amount not less than 30% and not more than 60% in excess of that theoretically required to oxidize ferrous sulphate to ferric sulphate, at temperatures not less than 525° F. and not more than 840° F., and continuing furnacing of the mass, while agitating the same, for a period of time sufficient to substantially complete oxidation of ferrous sulphate to ferric sulphate and to form substantially dry anhydrous ferric sulphate.

2,184,420

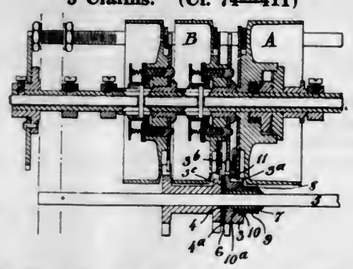
TRANSFER MECHANISM FOR COUNTING AND COMPUTING MECHANISM

John Fraser, Clerkenwell Green, London, England, assignor to Avery-Hardoll Limited, Clerkenwell Green, London, England

Application July 2, 1938, Serial No. 217,248

In Great Britain July 15, 1937

5 Claims. (Cl. 74—411)



1. A transfer mechanism for counting and computing mechanism comprising an interrupted toothed driving member, an intermediate toothed member that is actuated by said driving member and is mounted to move bodily away from the teeth of said driving member in response to the impact of said teeth, resilient means for resisting said bodily movement to absorb the shock of said impact, and a toothed driven member actuated by said intermediate member.

2,184,421

BAG PRESSURE INDICATOR FOR SUCTION CLEANERS

Dale C. Gerber, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 5, 1938, Serial No. 244,006
6 Claims. (Cl. 116—65)



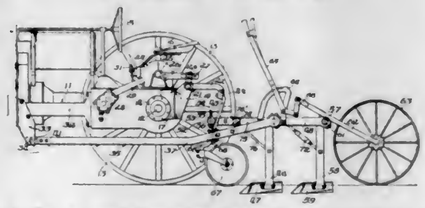
1. In an operating condition indicator for suction cleaners, the combination of a dirt receptacle of flexible material for said cleaner, a pair of extensible telescoping members attached to said receptacle in a manner such that the same tend to extend endwise and display an appropriate signal when the bag is inflated, and tension means opposing the extension of said members until the pressure in said receptacle reaches a predetermined maximum.

2,184,422

HARVESTING MACHINE FOR BEETS AND THE LIKE

William S. Graham, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application December 2, 1937, Serial No. 177,659
34 Claims. (Cl. 55—106)



1. In a multiple-row harvesting machine for beets and the like, a frame, pairs of working blades mounted on said frame, and means for adjusting the angle of the points of entrance of said pairs of blades in unison.

24. In combination, a tractor, and a harvesting machine for beets and the like directly connected to the tractor for free floating and lateral movement in its ground-working position.

2,184,423

POLYVINYL ACETAL RESIN SHEETS CONTAINING TRIBUTYRIN

Bruce E. Gramkee, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 29, 1937, Serial No. 182,301
5 Claims. (Cl. 260—36)

5. A transparent, rubbery sheet comprising a polyvinyl acetal resin and an amount of tributyrin sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

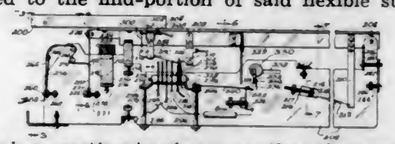
2,184,424

ELECTRICAL MUSICAL INSTRUMENT

Laurens Hammond, Chicago, Ill.

Application June 28, 1938, Serial No. 216,336
12 Claims. (Cl. 84—423)

1. In a keyboard instrument, the combination of a depressible key, resilient means for resisting depression of said key and for restoring said key to normal position, a flexible metallic strip for limiting return movement of said key, said strip being adapted to flex outwardly upon depression of said key, a flexible band having one end secured to the mid-portion of said flexible strip,



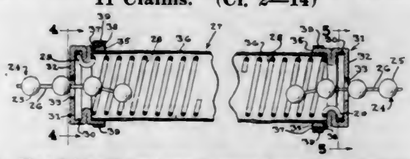
a spring exerting tension upon the other end of said band, and means for applying to said band intermediate its ends, a frictional retarding force of value determined by the extent to which said band is tensioned.

2,184,425

ADJUSTABLE HEAD BAND DEVICE

Donald E. Kimball, Cleveland, Ohio, assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application May 6, 1938, Serial No. 206,434
11 Claims. (Cl. 2—14)



1. Head band means, comprising: an elongated section, having hollow defining means, bounding an interior space, normally unextended, but elastically stretchable; a sheath surrounding said defining means, and connected thereto, said sheath being extensible a limited extent less than said defining means, and operable to limit stretching of said defining means; an elongated non-stretchable section; and means, constructed and arranged to connect said sections only at their adjacent end portions.

2,184,426

POLYVINYL ACETAL RESIN SHEETS CONTAINING AN ALKYL PHTHALYL ETHYL GLYCOLLATE

Neil S. Kocher and Henry B. Smith, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 1, 1938, Serial No. 188,198
4 Claims. (Cl. 260—36)

4. A transparent, rubbery sheet comprising a polyvinyl acetal resin in which a predominating proportion of the acetal groups are selected from the group consisting of formaldehyde acetal groups and butyraldehyde acetal groups, and an amount of an alkyl phthalyl ethyl glycollate, in which the alkyl group contains less than three carbon atoms, sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

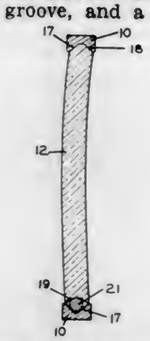
2,184,427

OPHTHALMIC MOUNTING

Carl J. Laurer and Stanley Markell, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application December 27, 1937, Serial No. 181,731
3 Claims. (Cl. 88—47)

2. In an ophthalmic mounting, a closed eyewire having a continuous inwardly facing groove, a lens mounted in said eyewire, said lens having a bevel along one edge engaging in the groove in said eyewire, a groove along the edge opposite said bevel, and flat sides between said bevel and said groove, and a locking element



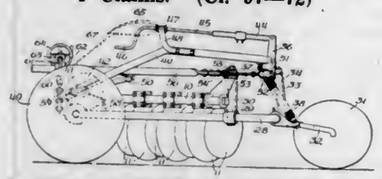
movably positioned in said grooves and engaging both the lens and the eyewire and preventing removal of the lens from the eyewire.

2,184,428

HARROW PLOW

Alexus C. Lindgren, Chicago, and Arthur D. Gallagher, Canton, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application August 17, 1938, Serial No. 225,341
4 Claims. (Cl. 97—72)



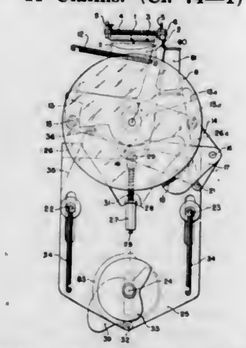
1. A plow construction comprising a plow beam, a front furrow wheel at one end of the plow beam, a Z-shaped member pivotally connected between its ends to the other end of the beam, a land wheel at one end of the member, a rear furrow wheel at the other end, and means for shifting the angular position of the Z-shaped member with respect to the plow beam.

2,184,429

MEASURING INSTRUMENT

Coleman B. Moore, Carroll Park, and Walter G. Trumbower, Philadelphia, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 4, 1938, Serial No. 188,738
11 Claims. (Cl. 74—1)



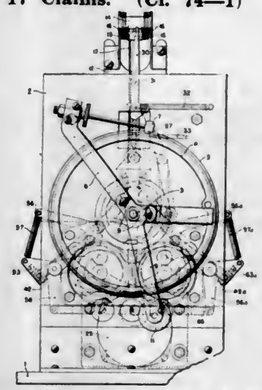
1. In a measuring instrument, a shaft, a part pivoted thereon, an angular clutch member pivoted on said part, said clutch member having on one arm a clutch edge, a disc fastened to said shaft, means acting on one arm of said clutch member to force said edge into engagement with the periphery of said disc, and means for moving said part to thereby move said clutch member and disc, a control member and means for moving the control member from said disc.

2,184,430

MEASURING INSTRUMENT

Coleman B. Moore, Carroll Park, and August C. Jauss, Aldan, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 10, 1938, Serial No. 189,804
17 Claims. (Cl. 74—1)



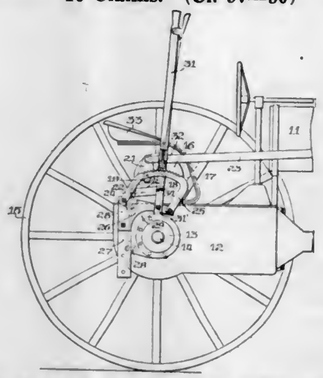
1. In a measuring instrument, a pointer deflected in accordance with a variable condition, means for clamping said pointer in position, a feeler adapted to move into contact with said pointer, a movable member positioned in accordance with the position of said feeler, means for moving said member, two oppositely rotating drive members, a mechanism adapted to be adjusted by said drive members, and means controlled by the movement of said member for effecting an adjustment of said mechanism by one of said drive members.

2,184,431

REGULATING MECHANISM

James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application August 2, 1937, Serial No. 156,903
16 Claims. (Cl. 97—50)



1. In a tractor including a power device having a crank arm, an implement carried on the

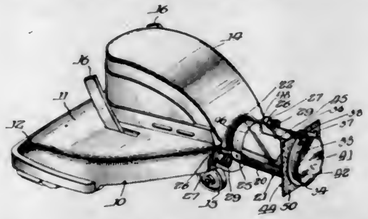
tractor for movement by the power device, linkage means connecting the crank arm of the power device with the implement structure to actuate the same including a bell crank lever journaled on the crank arm, and manual means for regulating the working position of the implement structure operatively connected to said bell crank lever to adjust the relative position of the same on the crank arm, said regulating means being so connected with the crank arm as to remain stationary during movement of the implement structure by the power device.

2,184,432
FOUNTAIN PEN
Eric G. Pearson, Roselle, N. J.
Application March 6, 1939, Serial No. 260,017
4 Claims. (Cl. 120—46)



1. In a fountain pen having a barrel provided with a longitudinal slot, a pen-point supporting section secured in said barrel and an ink-sac attached to said section, means for collapsing said sac comprising a support arranged within the barrel and having an aperture therein, tangs projecting from said support and engaging the walls at the ends of the slot in the barrel to hold said support against movement in said barrel, a presser-bar secured to said support and normally engaging said ink sac, and a swingable actuating lever projecting through the aperture in said support and having a shoulder engaging said support adjacent said aperture thereby forming a fulcrum for the lever, said lever having a manually engageable portion at one side of said shoulder and a presser-bar engaging portion at the other side thereof.

2,184,433
SUCTION CLEANER
Robert M. Reed, Hinsdale, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 8, 1938, Serial No. 233,932
5 Claims. (Cl. 35—13)



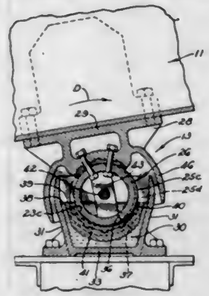
1. An accessory for demonstrating the cleaning effectiveness of a suction cleaner comprising, a casing having an air passageway and adapted to have one of its ends attachable to the exhaust of the suction cleaner to cause dirt-laden air to pass into said passageway, closure means pivotally secured to the opposite end of said casing, filter means secured between said casing and closure means in a plane normal to the direction of flow of said dirt-laden air and cooperating with said casing to define a dirt chamber, and to remove foreign material from said dirt-laden air to retain said foreign material in said dirt chamber, and a window in said casing normal to said filter means for observing the accumulation of said foreign material in said dirt chamber as said cleaner is moved over the surface being cleaned.

2,184,434
HOOK CLASP
Arthur P. Ryan and Jan Skwarski, Jackson Heights, N. Y.
Application February 5, 1938, Serial No. 188,862
1 Claim. (Cl. 24—84)



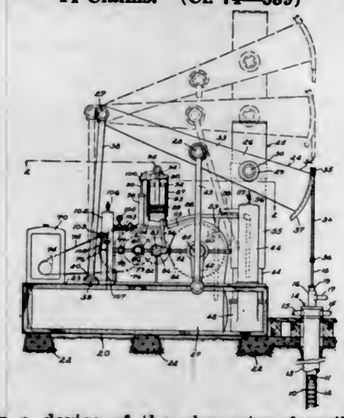
In combination with a clasp of the type known as a jewelry clasp, comprising a U-shaped plate with a U-shaped spring on the interior, and a pivoted L-shaped lever mounted on one leg and engaging the spring to close the spring across the open end of the said U-shaped plate, a projection on one leg of the said spring, under which the end of said L-shaped lever slides as the spring opens, for holding said spring, a hook on the other leg of said clasp extending outwardly from one end of the said U-shaped plate, and having its free end extending inwardly to a point adjacent the other end of said plate, said device characterized in that the width of the said hook throughout its length is less in width than the width of the said clasp.

2,184,435
WALKING BEAM BEARING
Walter E. Saxe, Alhambra, Calif.
Application August 2, 1937, Serial No. 156,980
15 Claims. (Cl. 308—121)



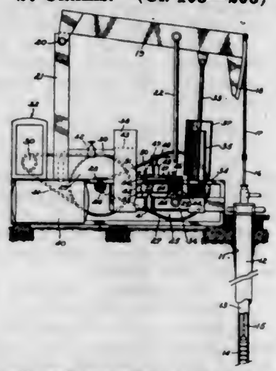
1. In a pumping apparatus of the character described, the combination of: a support member; a walking beam; and a bearing arranged to pivot said walking beam on said support to oscillate in a vertical plane, said bearing comprising a bed fixed to said support and providing a plurality of arcuate journaling surfaces offset in opposite directions with respect to a transverse plane through said surfaces, a thrust member fixed to said walking beam and providing a plurality of bearing surfaces respectively complementary to said journaling surfaces and being arranged so that as said walking beam oscillates a portion of the bearing surface offset in one direction is spaced from its journaling surface while the bearing surface offset in the other direction fully engages its journaling surface throughout the length thereof, and means for delivering lubricant between said bearing surfaces and said journaling surfaces while they are in spaced relation.

2,184,436
WALKING-BEAM AND COUNTERBALANCE CONSTRUCTION
Walter E. Saxe, Alhambra, Calif.
Application April 4, 1938, Serial No. 199,906
14 Claims. (Cl. 74—589)



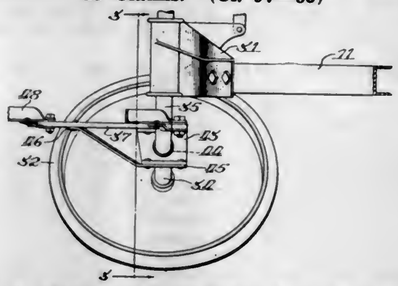
1. In a device of the character described for reciprocating a member in a well, the combination of: a walking-beam operatively connected with said member; means pivotally connected with the walking-beam to raise and lower the walking-beam; means flexibly anchoring a fulcrum point of the walking-beam to cause the beam to oscillate when so raised and lowered; guide means restricting one point of the walking-beam to substantially straight line motion; and a counterbalance means operatively connected with the walking-beam at said guided point.

2,184,437
COUNTERBALANCING SYSTEM FOR OIL WELLS
Walter E. Saxe, Alhambra, Calif.
Application July 2, 1938, Serial No. 217,113
20 Claims. (Cl. 103—206)



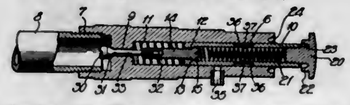
1. In an oil well pumping apparatus, including a beam member supported for oscillation, pump means in a well, connecting means extending from the beam member to the pump means, and drive means for oscillating the beam member, the combination of: a primary member; a secondary member connected to the beam member and cooperating therewith to close a fluid chamber variable in volume in response to the oscillation of the beam member and containing fluid compressed to substantially counterbalance the weight of the oscillating and reciprocating parts and one-half the weight of the liquid lifted by the pump means; valve means adapted for separating said fluid chamber into two chambers, one of which adjacent said secondary member contains a liquid; and manual pumping means for forcing liquid from either of said two chambers to the other whereby when the drive means is inoperative the oscillating and reciprocating parts may be moved.

2,184,438
PLOW
Arthur A. Scarlett, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Application June 14, 1938, Serial No. 213,635
13 Claims. (Cl. 97—53)



1. A gang plow comprising a plow-carrying beam, a land wheel and a first furrow wheel supporting the beam at one end, a second furrow wheel, an axle therefor having a portion extending axially therefrom and a further portion extending at a substantial angle to the first portion and supporting the end of the plow beams opposite that supported by the land wheel and first furrow wheel, means for elevating the plow beam with respect to the wheels, a first draw-bar connected at one end to the plow beam intermediate its ends, a second draw-bar connecting the other end of the first draw-bar and the axially extending portion of the axle for the second furrow wheel, and a member laterally pivoted with respect to the draw-bars and having means serving to support the draw-bars.

2,184,439
DISPENSING VALVE
Leonard B. Schwarcz, New Rochelle, N. Y.
Application May 18, 1938, Serial No. 208,538
2 Claims. (Cl. 221—102)



1. A device of the character described comprising a valve body having a discharge opening intermediate of its ends, a recess at one end thereof, a passage extending into said valve body from the opposite end thereof and terminating short of said recess, a relatively smaller passage extending from the inner end of the first mentioned passage into said internally threaded re-

cess, a sleeve having an open inner end, said sleeve being slidably mounted in said first mentioned passage, a valve member slidably mounted in the open inner end of said sleeve for closing the open inner end thereof, a second valve member connected to the first mentioned valve member, said second mentioned valve member being arranged to close the outer end of said relatively smaller passage, means for holding said valve members normally in their closed positions, means for simultaneously moving said valves to their open position, and means for establishing communication between the interior of the sleeve and the discharge opening of the valve body, after said valves have been moved to their open positions, said means comprising an annular channel extending around the exterior of the sleeve and ports extending through the sleeve and located in said annular channel.

2,184,440

DIESEL FUEL AND THE METHOD OF PREPARING THE SAME

Bernard H. Shoemaker and Howard R. Batchelder, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application August 9, 1937, Serial No. 158,140

12 Claims. (Cl. 44—9)

11. The method of obtaining Diesel engine fuel oils having improved ignition characteristics and substantially free of corrosive sulfur comprising treating a stove distillate obtained from a crude oil of the Winkler type with sodium plumbite in the presence of sulfur amounting to about 7 times the theoretical amount of sulfur required to normally sweeten such a distillate, distilling the treated stove distillate to produce an overhead amounting to about 30% of the original stock and a bottom stock amounting to about 70% of the original stock, further reducing said bottom stock by suitable means to produce a reduced bottoms amounting to about 1% to about 6% of the original stove distillate and adding 0.5% to 5% of said reduced bottoms to distillate fuel oils having undesirable ignition characteristics.

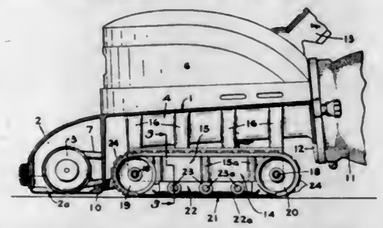
2,184,441

SUCTION CLEANER

Donald G. Smellie, Canton, and Walter C. Eberly, North Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application May 9, 1938, Serial No. 206,796

6 Claims. (Cl. 15—16)



1. In a suction cleaner, the combination with a downwardly facing nozzle, of means for maintaining said nozzle at a substantially uniform height above the surface of the floor covering to be cleaned, comprising endless track members extending longitudinally of the cleaner and supported for endless travel in the movement of said cleaner, the lower leads of said track defining supporting surfaces substantially parallel with the plane of the nozzle mouth and spaced a predetermined distance therefrom.

2,184,442

POLYVINYL ACETAL RESIN SHEETS CONTAINING TRIAMYL PHOSPHATE

Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 22, 1937, Serial No. 181,223

4 Claims. (Cl. 260—36)

4. A transparent, rubbery sheet comprising a polyvinyl acetal resin in which a predominating proportion of the acetal groups are selected from the group consisting of acetaldehyde acetal groups and butyraldehyde acetal groups, and an amount of triamyl phosphate sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

2,184,443

POLYVINYL ACETAL RESIN SHEETS CONTAINING TRIETHYLENE GLYCOL DIACETATE

Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 1, 1938, Serial No. 188,195

2 Claims. (Cl. 260—36)

2. A transparent, rubbery sheet comprising a polyvinyl formaldehyde acetal resin and an amount of triethylene glycol diacetate sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

2,184,444

POLYVINYL ACETAL RESIN SHEETS CONTAINING TRIETHYL CITRATE

Henry B. Smith and Donald R. Swan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 4, 1938, Serial No. 188,674

3 Claims. (Cl. 260—36)

1. A transparent, rubbery sheet comprising 100 parts of a polyvinyl acetal resin in which a predominating proportion of the acetal groups are butyraldehyde acetal groups, and at least 40 parts, approximately, of triethyl citrate as an elasticizer therefor.

2,184,445

POLYVINYL ACETAL RESIN SHEETS CONTAINING TETRAHYDROFURFURYL SUCCINATE

Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 5, 1938, Serial No. 233,476

4 Claims. (Cl. 260—36)

4. A transparent, rubbery sheet comprising a polyvinyl acetal resin in which a predominating proportion of the acetal groups are selected from the group consisting of formaldehyde acetal groups and acetaldehyde acetyl groups, and an amount of tetrahydrofurfuryl succinate sufficient to impart to the sheet a rubbery character without substantially impairing its transparency.

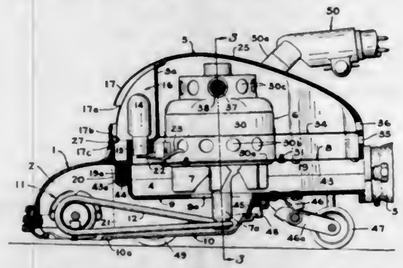
2,184,446

SUCTION CLEANER

Eugene L. Snyder, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application March 9, 1938, Serial No. 194,723

5 Claims. (Cl. 15—16)



2. In a suction cleaner, the combination of a one-piece casing forming a nozzle chamber, a motor housing and sections of the side walls of a fan chamber and of the outlet passage therefrom, a motor enclosed in said housing and including a supporting plate forming the top wall of said fan chamber and outlet passage, and a separable wall section applied to the underside of said casing to complete said fan chamber and outlet passage.

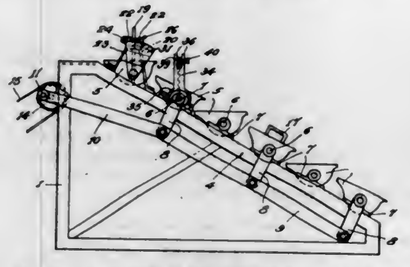
2,184,447

GOLD AMALGAMATOR

Joseph H. Thornton, Spokane, Wash.

Application July 18, 1938, Serial No. 219,929

7 Claims. (Cl. 209—58)



1. A mining machine comprising a support, buckets carried by said support and arranged in stepped relation to each other, said buckets being pivotally mounted for transverse tilting movement, and means for tilting alternate buckets forwardly and downwardly toward a tilted position while the buckets between the first buckets are moving upwardly and rearwardly toward a horizontal position for receiving material dumped from the first buckets.

2,184,448

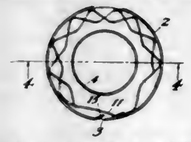
COILING DEVICE FOR MEASURING RULES

Eugene J. Witchger, Saginaw, Mich., assignor to The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan

Application January 3, 1939, Serial No. 249,041

3 Claims. (Cl. 33—138)

1. Spring means for controlling and coiling a flexible rule within a casing, comprising a strip of flexible ribbon metal curving throughout its length alternately in opposite directions and presenting mutually co-operating wave-like formations connected together in uninterrupted series



and projecting on opposite sides of the median plane of said strip.

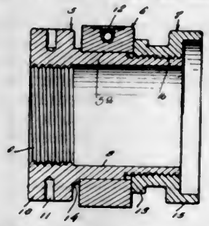
2,184,449

DEVICE FOR SETTING AND TIMING LOCOMOTIVE VALVES

William E. Bell, Paducah, Ky., assignor of one-half to Clarence C. Cummings, Paducah, Ky.

Application May 14, 1938, Serial No. 208,015

2 Claims. (Cl. 33—181)



1. A device of the character described comprising a hollow arbor adapted to rigidly engage a pin projecting from a wheel, a rectangular block journaled for rotation on said arbor, means for indicating when said block has been rotated to bring one side edge to a level position, and means carried by said arbor for clamping said block against rotation when desired.

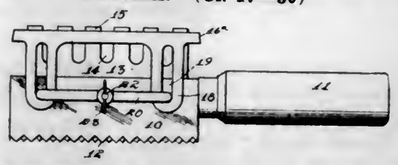
2,184,450

MEAT TENDERER

Harry S. Elliott, Des Moines, Iowa

Application June 9, 1938, Serial No. 212,717

2 Claims. (Cl. 17—30)



1. A meat tenderer comprising a body, cutter blades fixed to the body and arranged in rows spaced apart from each other, and sharpened at their outer ends, a stripper plate formed with slots for receiving said rows of blades and extended beyond the sides and ends of said blades, said stripper plate having arms at its sides extended over the sides of the body and slotted, a connecting bar at each side of the body having its ends extended through the slots in said arms and into the body, means for detachably securing said bars to the body, and means for yieldingly holding the stripper plate away from the body.

2,184,451

FILTER

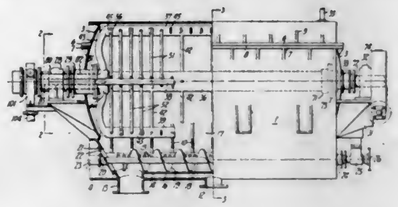
Theodore L. Genter, Oakland, Calif., assignor to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada

Application July 27, 1936, Serial No. 92,780

6 Claims. (Cl. 210—200)

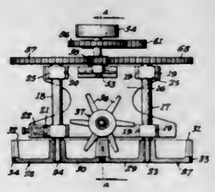
1. A filter comprising: a casing; a shaft sup-

ported within said casing; a plurality of filter discs supported in spaced relation along said shaft, each of said discs being formed by a plurality of sectors and each sector of each disc being in alignment with the corresponding sectors of the other discs, so that there are as many longitudinally extending rows of sectors as there are sectors in each disc; longitudinally



extending filtrate manifolds associated with said sectors, there being as many manifolds as there are rows of sectors; means for connecting each of said manifolds to the alternate sectors in one row and to the intermediate sectors of an adjacent row; and an automatic valve associated with said manifolds for successively subjecting said manifolds to a reverse pressure.

2,184,452
MACHINE FOR CUTTING LENGTHS OF THREAD OR THE LIKE
Kurt Grunert, Zittau, Germany
Application October 19, 1937, Serial No. 169,778
17 Claims. (Cl. 164—60)



1. In a machine for cutting lengths of thread of fibrous material or the like, means for feeding said material, rotatably mounted cutters positioned in front of said feeding means, means for horizontal angular adjustment of said cutters, said feeding means including rotatable members, each member being provided with a resilient surface for engagement with said material and having a relatively deep flange portion provided with a plurality of transversely arranged slots, a slot of each portion being disposed for relative substantial alignment providing space through which one of said cutters may pass for the cutting operation.

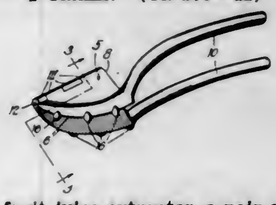
2,184,453
PUNCHING BAG
John P. Hayes, Los Angeles, Calif.
Application December 27, 1938, Serial No. 247,798
5 Claims. (Cl. 272—78)

4. In a punching bag, the combination with a resilient rod standard, of an inflatable bag having an integral depending neck portion in which is formed a recess and a resilient connection between said standard and inflatable bag, which resilient connection comprises a plug having one end seated in the recess in said depending neck portion, a coil spring, one end of which is connected to said plug, the other end to said resilient rod standard and a rubber tube asso-



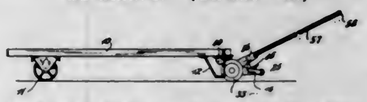
ciated with said coil spring and providing a resiliency control therefor.

2,184,454
SQUEEZER DEVICE
Bruce L. Hill, Chicago, Ill.
Application June 26, 1936, Serial No. 87,413
4 Claims. (Cl. 100—41)



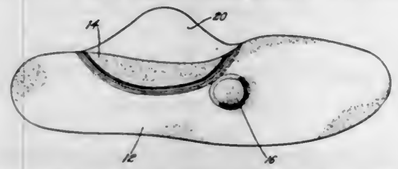
1. In a fruit juice extractor, a pair of normally superposed rigid jaw members each in the general shape of a quadrant of a circle, a pivot joining said jaw members together along corresponding radii which define one marginal edge of each of said members, and a handle projecting outwardly from each jaw member and at substantially right angles to the other radii which defines another marginal edge of each of said jaw members.

2,184,455
LIFT JACK
Wilfred G. Johnson, Elyria, Ohio, assignor to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application July 18, 1938, Serial No. 219,680
21 Claims. (Cl. 280—46)



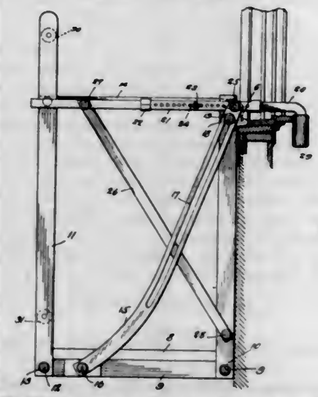
1. In a lift jack of the character described, a frame, a pair of wheels rotatably mounted at the lower rear portion of said frame, a king pin socket member pivotally mounted adjacent its upper end to the upper portion of said frame rearwardly of said wheel axis and adapted for cooperative engagement with the king pin on a skid, a handle having its inner end pivotally connected to said frame for independent movement about the axis of said socket member, cooperating means on said handle and frame for limiting the pivotal movement of said handle at extreme opposite positions, a spring actuated dog pivotally mounted about the axis of said wheels and having a portion releasably engageable with the lower end of said socket for maintaining the latter in operative position, a manually operable treadle pivotally mounted on said frame and having its inner end operatively connected to said dog for moving the latter about its pivotal axis against the spring tension to release the lower end of the socket so that it is free to move about its pivotal axis, and cooperating means on said handle and treadle to prevent actuation of the latter when the handle is in its lowermost position.

2,184,456
CUSHION INSOLE
Clarence E. Knapp, Boston, Mass.
Application January 24, 1938, Serial No. 186,570
1 Claim. (Cl. 36—71)



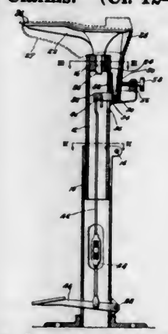
The combination comprising an insole; a thin soft rubber sheet overlying and completely covering the upper surface of the insole; an inner longitudinal arch pad of soft rubber and having substantially uniform thickness on the upper surface of the sheet; a metatarsal pad of soft rubber and having substantially uniform thickness on the upper face of the sheet in proximity to the forward portion of the arch pad, said pads together defining a notched recess adapted to receive the first metatarsal head of the foot of a wearer; and a thin flexible covering extending over the whole upper face of the sheet and over the pads.

2,184,457
SCAFFOLD
Henry J. Kruse, St. Charles, Mo.
Application January 5, 1939, Serial No. 249,531
1 Claim. (Cl. 304—27)



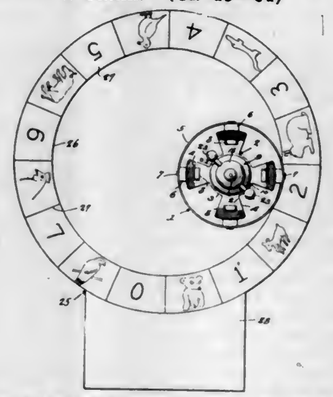
A scaffold comprising a rectangular frame embodying parallel upper and lower side bars and vertical front and rear bars, the inner ends of the upper side bars extending downwardly and adapted to hook over a window sill, diagonally disposed adjustable bars pivotally connected to the upper and lower side bars and having elongated openings formed therein, bolts extending from the vertical front bars and operating in the elongated openings, nuts on the bolts for securing the diagonally disposed bars in various positions of adjustment, the lower ends of the diagonally disposed bars being curved outwardly, diagonally disposed bars pivotally connected with the vertical front bars and upper side bars, the latter diagonally disposed bars crossing the first mentioned diagonally disposed bars, and a flooring on the scaffold.

2,184,458
METHOD AND APPARATUS FOR REPAIRING SHOES
Euclid I. La Chapelle, Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 21, 1938, Serial No. 191,631
6 Claims. (Cl. 12—123)



3. Apparatus for use in shoe repairing comprising a last having a pointed prong or prongs projecting from the extreme toe end of the bottom face thereof to be engaged with the toe end of the insole, a horn member arranged to engage the interior of the rear end of the shoe, and means for urging the horn member rearwardly of the shoe to stretch the insole.

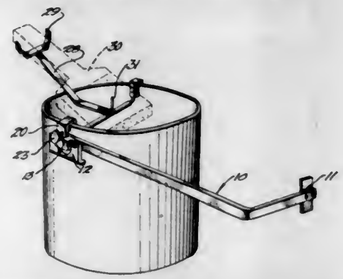
2,184,459
TOY
Alfred Lapointe, Pointe aux Trembles, Quebec, Canada
Application January 12, 1939, Serial No. 250,646
1 Claim. (Cl. 46—64)



A top adapted to be spun on a marked sur-

face, the top comprising a body including substantially radial arms, with spaces therebetween, a thin, band-like rim surrounding the outer ends of the arms and secured thereto, and a spindle carrying the body for rotation on a surface, the rim preventing the outer ends of the arms from striking a surface as the top tilts and approaches a state of rest, the spaces and the band-like construction of the rim exposing clearly the marks on a surface, when the top comes to rest and when the rim engages a surface.

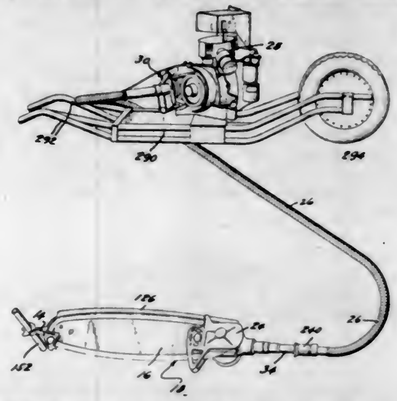
2,184,460
BRUSH HOLDER
George Linder, Pasadena, Calif.
Application January 28, 1938, Serial No. 187,478
7 Claims. (Cl. 248—110)



7. A brush holder adapted to be mounted upon a paint pot or the like, comprising a pair of hook members embracing the lip of the paint pot at points around the circumference thereof, means for detachably securing said members in position, an intermediate member connecting said members and extending across the mouth of the paint pot, a brush supporting bar extending upwardly and outwardly from said intermediate member, said supporting bar and intermediate member forming a rest for a paint brush, a bristle engaging member carried by said structure and adapted to project into the bristle portion of the brush to temporarily position it against longitudinal and lateral movement, a saddle member carried by the brush support to laterally position the handle of the brush thereon, means articulately connecting the pot engaging means with the intermediate member, and means for vertically pivoting the brush supporting element on the intermediate member.

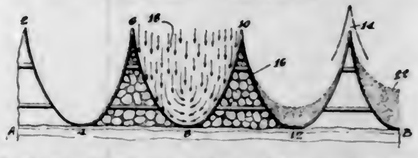
2,184,461
CHAIN SAW CONSTRUCTION
Arthur William Mall, Chicago, Ill.
Application October 4, 1937, Serial No. 167,301
1 Claim. (Cl. 143—32)

In a sewing machine, a portable gasoline engine having a throttle, a flexible shaft having a driving connection at one end with said engine, a flexible housing enclosing said shaft and attached at one end to said engine, a saw frame having a rigid hollow handle attached to the other end of said housing, sprockets journalled on the respective ends of said frame, one of said sprockets being drivingly connected with the other end of said flexible shaft, a saw chain trained about said sprockets, a control sleeve encircling said handle and slidable thereon near the end thereof attached to said flexible housing, and a flexible control cable attached at one end to said control sleeve and at its other end to said throttle for operating the same when said sleeve is moved longitudinally of said handle, said control cable being associated with said flexible housing



throughout its length and supported and guided thereby.

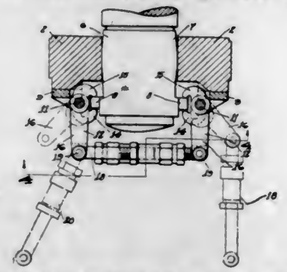
2,184,462
BULKHEAD, SEA WALL, AND SIMILAR STRUCTURES
Foster Milliken, New York, N. Y.
Application January 5, 1939, Serial No. 249,362
2 Claims. (Cl. 61—4)



1. A sea wall consisting of basin-like structures arranged in a continuous series along a shore front at the water's edge, each of said basin-like structures having a plurality of vertical walls and a floor integral with said walls to form a floatable unit and adapted to receive material to weight the structure in position at the water's edge, at least two of said vertical walls being curved inwardly on the horizontal plane so that each basin-like structure, when placed along similar adjoining basin-like structures forms a sea wall in which all the vertical walls facing the water are curved inwardly on a horizontal plane, said sea wall comprising a series of alternate recesses formed by said vertical inwardly curved walls, each recess being separated from adjoining recesses by sharp, pointed apices on the horizontal plane and formed by the outwardly projecting side walls of each recess, said series of basin-like structures being so placed along the water's edge that a body of water moving against said structure is directed into the recesses at all points along vertical walls curved inwardly on a horizontal plane.

2,184,463
RETENTION OF BEARINGS IN ROLL HOUSINGS AND THE LIKE
Myles Morgan, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application January 14, 1936, Serial No. 59,107
14 Claims. (Cl. 80—56)

1. In a roll housing or the like, a bearing, a pair of retaining members therefor positioned to resist outward endwise movement thereof and so pivoted as to be turned in opposite directions by such movement, a second pair of retaining members positioned to resist inward endwise movement of the bearing and so pivoted as to be



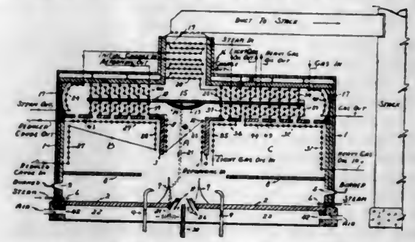
turned in opposite directions by such movement, and a link, adjustable in length, connecting the two members of each such pair, one of said links being under tension and the other being under compression in the operative positions of said members.

2,184,464
WALL SLAB
Med Myers, Houston, Tex.
Application September 19, 1938, Serial No. 230,587
2 Claims. (Cl. 72—39)

1. A wall slab approximately rectangular in general contour having a plane outer surface, inwardly extending marginal side flanges and an inwardly extending intermediate flange parallel with said marginal flanges, a rib on the outer face of one of said marginal flanges and a groove on the outer face of the other of said marginal flanges, transverse webs between the marginal flanges and the intermediate flange, one of said marginal flanges being thicker than the other of said marginal flanges; a reinforcing angle iron counter sunk into the outer corner of said thicker flange adapted to receive a framework of a building, an anchor bolt embedded in the material of said flange and adapted to hold said angle iron in position.

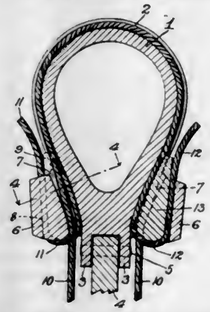
2,184,465
FURNACE FOR HEAT TREATING CARBONACEOUS MATERIAL
Cecilio L. Ocon, Yonkers, N. Y.
Application August 8, 1938, Serial No. 223,645
17 Claims. (Cl. 196—116)

1. A tube still apparatus for heat treating several streams of carbonaceous material, comprising a furnace having end walls, side walls, a roof and a floor, a pair of spaced vertical partitions dividing the furnace into two outer compartments and a central compartment, said partitions being disposed in a manner to allow passage of partially cooled combustion products from said outer compartments into the base of and upwardly through said central compartment, heat absorbing tubes in each of said outer compartments, firing means in said outer compartments for supplying combustible and combustion supporting material which



on combustion supply radiant heat to the tubes in said outer compartments and combustion gases to be passed to said central compartment, a firing means located below the base of said central compartment for projecting a flame centrally through said central compartment and heat absorbing tubes disposed in the path of partially cooled combustion products passing upwardly through said central compartment from said outer compartments but substantially out of contact with said flame.

2,184,466
THIMBLE
Evan W. Ost and Herbert E. Sawyer, Kenosha, Wis., assignors to Macwhyte Company, Kenosha, Wis., a corporation of Wisconsin
Application December 3, 1937, Serial No. 177,952
6 Claims. (Cl. 294—74)



1. In combination in a rope thimble, a member defining an eye and having a grooved exterior, and a rope having a pair of rope ends, each being passed once about said eye and having its free end secured to said eye defining member and a pivoted hook pivoted on and depending from said eye defining member, said rope being free at all points away from said thimble and adapted to engage said hook.

3. In combination a sling and thimble, said thimble comprising a member forming an eye, there being a plurality of sockets formed in said eye forming member, said sling having two ends, each end being passed once about said eye forming member, once through one of said sockets and into the other of said sockets, and a wedge lo-

cated within each of said sockets and in contact with one of said sling ends, whereby the sling end is secured in one of said sockets.

2,184,467

VEGETABLE TANNED LEATHER PLASTIC

Willett C. Pierson, East Orange, N. J., assignor to National Products Corporation, Washington, D. C., a corporation of Delaware

No Drawing. Application January 28, 1937, Serial No. 122,884
1 Claim. (Cl. 260—7)

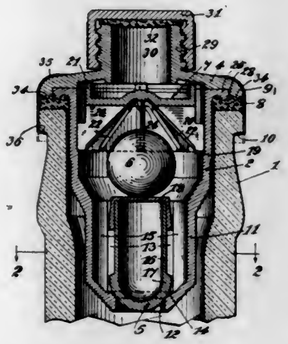
The process for making a synthetic leather resinous composition comprising heating vegetable tanned leather at about 190°–200° F. with phosphoric acid to form an emulsion, removing the stuffings from the emulsion; adding triethanolamine at a temperature of about 200° F.; heating an aqueous mixture of phenol and hexamethylenetetramine to about 240° F.; and adding the leather residue to the aqueous phenolic mixture while maintaining a temperature of about 210° F. to form a homogeneous mass.

2,184,468

NONREFILLABLE BOTTLE AND PARTS THEREOF

Abraham Podel, New York, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York

Application June 22, 1935, Serial No. 27,854
10 Claims. (Cl. 215—22)



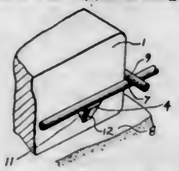
10. In a nonrefillable bottle device adapted to be shipped as a unit and inserted into the neck of a container, the combination of a valve casing member having a flange at its upper end adapted to extend over at least a portion of the rim of a container and having an upwardly facing seat on the interior thereof adapted to seat a baffle, valve means in said casing member, a cover member having a downwardly facing portion adapted to cooperate with said upwardly facing seat on the casing member to secure a baffle member in position, said cover member being mounted on the upper end of said casing member having an annular downwardly projecting portion for encasing said flange, said flange and said projecting portion having cooperating portions for locking said cover and casing members together as a unit, and a baffle member having portions engaged by said upwardly facing seat of the casing member and the baffle engaging surface of said cover member to hold said baffle in position in said device.

2,184,469

PAVING BRICK

Emmett V. Poston, Springfield, Ill.

Application June 24, 1938, Serial No. 215,528
6 Claims. (Cl. 94—14)



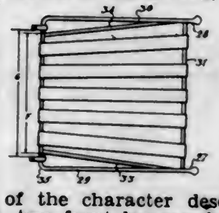
1. As a new article of manufacture, a paving brick, two opposed edges of which are provided with integral lugs each shaped to define horizontal ledges providing supporting brackets for reinforcing rods laid between the bricks in a brick pavement.

2,184,470

NESTING CHAIRS

Vincent A. R. Primavera, Brooklyn, N. Y.

Application November 1, 1937, Serial No. 172,202
4 Claims. (Cl. 155—2)



3. A chair of the character described comprising a seat, two front leg members and two rear leg members, the width of said seat at the the rear being less than the distance between the inner side surfaces of the rear leg members so as to permit the rear leg members of a similar chair superimposed in nesting relation thereto with its leg members directly in front of and in the same front to rear planes as the leg members of said first mentioned chair, to clear the sides of said seat when said second mentioned chair is placed in or removed from its nesting position, and two side arm rest members having their rear end outwardly offset with respect to the rear leg members to clear the leg members as well as the seat of said second mentioned chair when said second mentioned chair is placed in or removed from its nesting position by vertical movement with respect to the first mentioned chair, the space under the seat of at least the second chair being entirely free of obstructions so as to permit full nesting of said chair to a position where its seat rests directly upon the seat of the underlying chair.

2,184,471

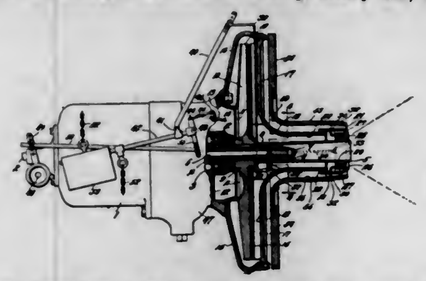
OIL BURNER NOZZLE

Paul C. Roth, New York, N. Y., assignor to Boiler Room Equipment, Inc., New York, N. Y., a corporation of New York

Application October 12, 1937, Serial No. 168,551
10 Claims. (Cl. 158—77)

1. In an oil burner the combination with a rotary oil cup of a primary air nozzle surrounding said oil cup and provided at its discharge end with an inturned annular wall having a valve seat, an annular valve member mounted for axial movement within said nozzle for cooperation with said end wall valve seat to vary or cut off the discharge of primary air between said valve seat and the

valve member, the inner periphery of said valve member being uniformly spaced from said oil cup to provide therebetween a substantially constant flow discharge channel for the primary air, the



flow through said channel being substantially constant in any position of the valve member, and means for moving said valve member for varying the discharge of primary air.

2,184,472

EAR CORN TEST PROBE

John Sand, Marcus, Iowa

Application December 17, 1937, Serial No. 180,279
8 Claims. (Cl. 83—15)



8. A device of the character described comprising an elongated tubular unitary casing having a longitudinal opening therein, said casing having one end pointed and the other end open, a tubular receptacle mounted in said casing and provided with a longitudinal opening, said receptacle being rotatable in said casing to move said openings into and out of registration, said casing and said receptacle being constructed and arranged whereby said receptacle may be freely withdrawn from the open end of said casing, a corn shelling rake rigidly fixed to said casing and projected therefrom adjacent one longitudinal edge of said opening, a handle structure rigidly secured to said casing adjacent and wholly inwardly of the open end thereof, and a manually operable device carried by said receptacle and connected thereto through the open end of said casing, said device being operable to effect axial movement of said receptacle in said casing and being engageable with said handle structure to prevent rotation of said receptacle in said casing.

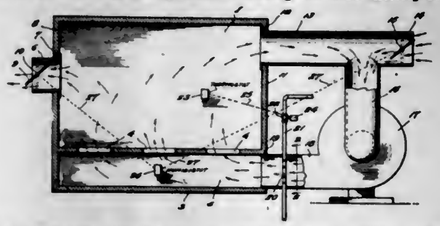
2,184,473

DRIER

Chester J. Scanlan, Bloomington, Ill., assignor to The New York Blower Company, Chicago, Ill.

Application February 4, 1938, Serial No. 188,741
1 Claim. (Cl. 34—19)

In a drier, a drying chamber, said drier having a false bottom defining an air inlet space, said false bottom having openings, an outlet pipe carried at one end of the drying chamber, a damper in the pipe, a conduit carried at the opposite end of the drying chamber, a damper in the conduit at its outer end, said conduit having a branch pipe, a blower connected with the branch pipe and having a discharge pipe communicating with the air inlet space, means for automatically effecting the opening and closing of the dampers,



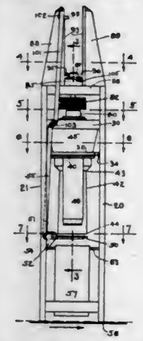
said means including a humidostat within the space beneath the chamber, means for heating air delivered through the forward discharge pipe, and means for automatically controlling said heating means, said last-mentioned means including a thermostat within the drying chamber.

2,184,474

PACKING MACHINE FOR CONTAINERS AND THE LIKE

Alfred Sowden, Arkansas City, Kans.

Application March 31, 1938, Serial No. 199,225
5 Claims. (Cl. 226—23)

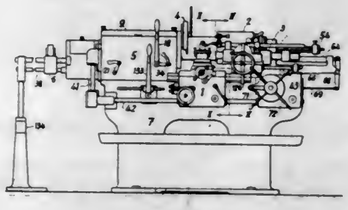


1. In a machine of the class described, the combination of means to support a bag vertically with its open end up, a platform beneath the lower closed end of the bag, means to support said platform permitting the same to swing down away from the bag support, means to convey the filled bags laterally away from the filling position, means to dampen the falling movement of the bags as the platform is permitted to swing down comprising a pair of plates pivotally mounted at the sides of the bag to swing about horizontal axes, and spring means tending to move said plates towards each other, and means to supply loose material to the upper open end of the bag, and to compact said material within the bag, substantially as described.

3. In a machine of the class described, the combination of a tubular bag support mounted in vertical position, means to secure the upper end of a bag embracing said support, to the support, means to direct material laterally and downwardly into the support and into the so-supported bag, a vertically extending shaft extending centrally downwardly through the support and said shaft being vertically movable, means to support said shaft, and means to continuously drive the shaft while permitting such

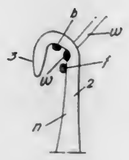
vertical movement thereof, comprising a motor above the upper end of the bag support and having a stationary stator, and also having a rotary rotor, in alignment with the shaft, and a splined connection between the rotor aforesaid and the shaft, together with an impeller on the lower end portion of the shaft, the splines of said connection being such as to permit vertical movement of the shaft and impeller substantially equal in amount to the vertical dimension of the bag, substantially as described.

2,184,475
TURRET LATHE
Otto Schaerer, Basel Switzerland
Application October 10, 1938, Serial No. 234,225
In Switzerland October 23, 1937
6 Claims. (Cl. 29—43)



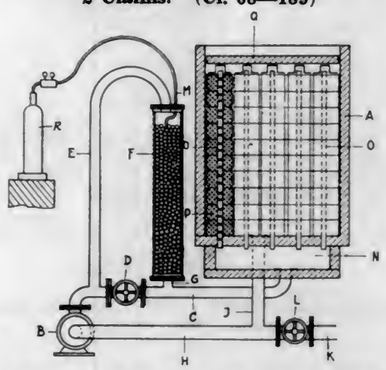
1. In a turret lathe for working from rod material, a machine bed, a head-stock mounted on said bed, a main spindle rotatably mounted in said head-stock, a guiding shaft mounted on said bed laterally with respect to, and parallel with, said main spindle, a hollow shaft or sleeve rotatably mounted on said guiding shaft, a revolving tool head mounted on said hollow shaft in a slidable manner, a switching mechanism for revolving said tool head, gear means for operatively connecting said hollow shaft with said switching mechanism, and a groove-and-spline arrangement for preventing relative rotation of said tool head with respect to said hollow shaft.

2,184,476
NEEDLE FOR PLATING KNIT FABRIC
Harry N. Sheppard, Maplewood, N. J., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application June 5, 1937, Serial No. 146,680
3 Claims. (Cl. 66—121)



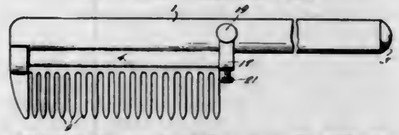
1. A needle having a hook with the inner surface upwardly and outwardly inclined from the needle shank and a notch at the junction of said inner surface and shank to retain one yarn while another yarn is passed over the first yarn to a position against said inner surface, said needle having substantially the same cross-sectional area and strength at the notch as elsewhere in the hook.

2,184,477
APPARATUS FOR CARRYING OUT THE BLEACHING OF BAST FIBERS
Philipp Siedler, Erich Kayser, Helmuth Korte, and Wilhelm Waibel, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Original application January 10, 1935, Serial No. 1,248. Divided and this application October 27, 1937, Serial No. 171,352. In Germany January 20, 1934
2 Claims. (Cl. 68—189)



1. An apparatus for the chlorinating and bleaching of bast fibers, for instance linen, hemp or the like by saturated or supersaturated chlorine water which comprises a bleaching vessel which is provided with devices for placing the material to be treated on cross wound bobbins, a device for producing said chlorine water, a system of tubes and a pump in order to provide a continuous circulation of the chlorine water through the bleaching vessel and the device for producing the chlorine water and means for adjusting and maintaining the concentration desired of the chlorine water.

2,184,478
FOUNTAIN COMB
John E. Slaney, McKeesport, Pa., assignor to The Fountain Comb Company, McKeesport, Pa., a firm
Application August 24, 1939, Serial No. 291,759
3 Claims. (Cl. 132—13)



1. A fountain comb of the class described comprising an elongated tubular member, a portion of which forms a back for the comb and another part a handle thereof, the outer end of the handle part being open for permitting fluid to be placed in the tubular part, a plug for closing said opening, a flange depending from the back part, teeth depending from the flange, a longitudinally extending bore in said flange, slots extending from the bore upwardly into the tubular part, perforations extending from the bore into the spaces between the teeth, a valve of elongated form and of circular shape in cross section fitting in the bore, slots in the valve for registering with the slots in the flange, a handle member connected with one end of the valve

for actuating the same, spring means for holding the handle member with the valve in closed position, and locking means for holding the handle member in said position.

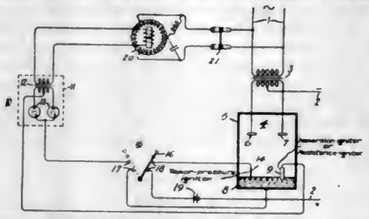
2,184,479
WELDING TIP
Matthew J. Wall, Jersey City, and Marvin R. Scott, Elizabeth, N. J., assignors to Oxweld Acetylene Company, a corporation of West Virginia
Application January 29, 1937, Serial No. 122,902
2 Claims. (Cl. 113—59)



1. A multi-flame welding tip comprising a unitary metal body having: a combustible gas inlet chamber; a main gas outlet passage connected to and coaxial with said chamber and having an orifice adapted to discharge a main welding jet centrally into a groove, such as a V, formed by bevelled edges of metal plates to be welded together; a rod-preheating gas outlet passage connected to said chamber and having at least its outlet orifice portion inclined relatively to said main passage to discharge a preheating jet against a welding rod that is being fed into the welding zone in said groove; a pair of work-preheating gas passages connected to said chamber and having at least their outlet portions inclined relatively to said main gas passage, to discharge a pair of preheating jets against the bevelled edges of the metal plates to be welded in equally spaced relation to said main welding jet; and a pair of separate and identical gas outlet passages connected to said chamber and having outlet orifices independent of and of smaller diameter than the outlet orifice of said main outlet passage, such independent orifices being equally spaced from opposite sides of said main gas passage and being arranged and adapted to discharge two auxiliary welding jets independent of and of smaller size than the main welding jet but adjacent thereto and in such manner that one auxiliary welding jet impinges against each of said plate edges above the bottom of the V to assist in the preparation of the V while restraining the wall of molten metal until the surfaces of the V are suitably prepared and, in cooperation with said main welding jet, completely and simultaneously superficially melting both walls of the V from top to bottom adjacent the welding zone.

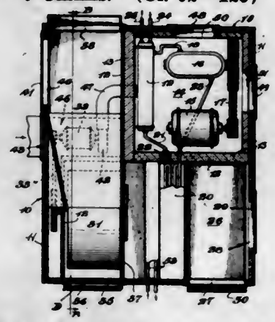
2,184,480
ELECTRIC VALVE CIRCUIT
Günter Wolf, Finkenkrug, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 31, 1938, Serial No. 188,012
In Germany February 4, 1937
4 Claims. (Cl. 175—363)

1. In combination, an alternating current circuit, a load circuit, electric translating apparatus connected therebetween and including an electrical network and an electric valve means of the type employing a mercury vapor as an ionizable medium and having a pair of anodes, a mercury pool cathode, a control member of the vapor-pressure type associated with said cathode and a control member of the immersion-ignitor type associated with said cathode, the latter control member being constructed of a material having a specific electrical resistivity relatively large compared with that of the associated cathode,



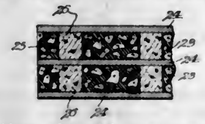
and means for selectively energizing the control members.

2,184,481
AIR CONDITIONING APPARATUS
William Henry Aubrey, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application July 2, 1938, Serial No. 217,252
7 Claims. (Cl. 62—129)



7. An air conditioning unit comprising a relatively low, relatively long, relatively wide casing, said casing including a machinery compartment and a conditioning compartment, said machinery compartment being generally rectangular in horizontal section, said conditioning compartment being generally L-shaped in horizontal section, means for insulating the two compartments from each other, said machinery compartment and said conditioning compartment cooperating to comprise said air conditioning unit which is of general rectangular horizontal section, refrigerant translating apparatus in said machinery compartment, cooling means and air moving means located in said conditioning compartment, said air moving means cooperating with said L-shaped conditioning compartment to effect angular change of air movement therethrough.

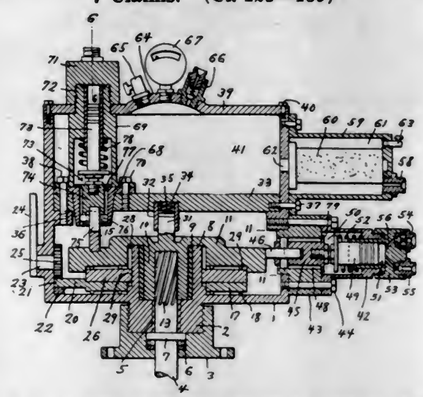
2,184,482
VIBRATION ABSORBING COMPOSITION AND STRUCTURE EMBODYING THE SAME
Harry M. Austin and James A. Muir, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application May 15, 1936, Serial No. 80,017
2 Claims. (Cl. 154—44)



1. A vibration absorbing structure including a resilient lamina comprising a mass of rubber-

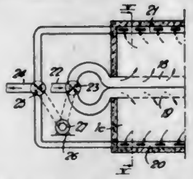
like material having cork particles of greater resiliency than said mass interspersed therein, said resilient lamina having at least one aperture therethrough extending substantially at right angles to the plane thereof, and a relatively stiff lamina directly secured to the resilient lamina and substantially coextensive therewith, said stiff lamina comprising a synthetic resinous sound deadening material and being sufficiently rigid to distribute load throughout the resilient lamina.

2,184,483
FUEL INJECTION PUMP
Leslie C. Baker, McAllister, Wis.
Application January 6, 1939, Serial No. 249,664
7 Claims. (Cl. 123—139)



1. In a fuel injection device a housing, a delivery pump carried by the housing and including a plunger, a rotary member in the housing, a cam carried thereby for operating the plunger, a shaft for rotating the rotary member, means between the shaft and the rotary member for imparting a rotary movement to said rotary member when the same is adjusted towards or away from the plunger, manually operated control means for so adjusting the rotary member, a second pump including a plunger, cam means on the rotary member for operating the plunger of the second pump, a chamber in the housing, means whereby the second pump will force fuel from a supply into the chamber and means for connecting the chamber to the first pump, said first pump passing through the chamber.

2,184,484
SYSTEM FOR VENTILATING ROOMS
Gustav Bojner, Stockholm, Sweden
Application June 28, 1937, Serial No. 150,841
In Sweden November 23, 1936
1 Claim. (Cl. 98—33)



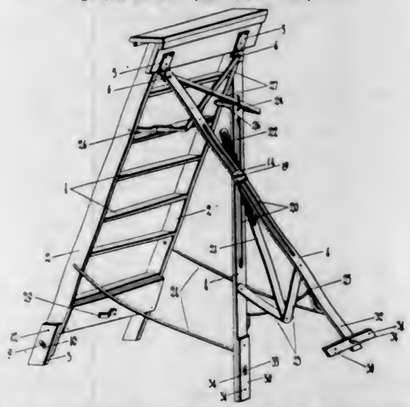
A system for airing rooms and other chambers having an air inlet and an air outlet opening, comprising automatic means for reversing the directions of flow of the currents of air in said inlet and outlet openings at such short intervals of time that the draft in said chamber is substantially imperceptible.

2,184,485
LOW POWER HEATING ELEMENT
Etienne Challet, Paris, France, assignor of one-fourth to Entreprises Electriques Fribourgeoises, Fribourg, Switzerland, a company of Switzerland
Application March 29, 1937, Serial No. 133,710
In Switzerland April 6, 1936
6 Claims. (Cl. 201—64)



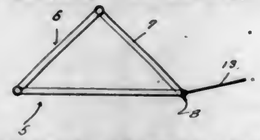
2. An electric heating element, comprising a flat flexible cushion made of glass wool, and an electric resistance embedded immediately below the upper surface of said cushion, and a layer of non-fibrous glass coating a substantial portion of said resistance, said layer being fused to said glass wool.

2,184,486
STEPLADDER, TRESTLE, AND THE LIKE
William Chew, Carterton, New Zealand
Application March 19, 1937, Serial No. 131,957
In New Zealand March 31, 1936
3 Claims. (Cl. 228—31)



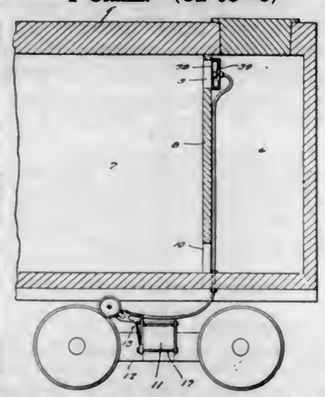
2. A stepladder, trestle and the like comprising a front portion having rungs arranged in and extending between stile-forming front legs, a back support formed by crossed back legs slidably retained and adjustable on each other, a sliding clamp retaining the said back legs together by clamping the latter in infinitely variable positions within the compass of said crossed legs, articulating hinges joining the upper part of the front portion to the upper parts of the back legs for backward and sideward movement of the latter relative to said front portion, and a regulable flexible connection between the front portion and the back support, whereby the latter is adjustable to uneven ground and awkward positions, the said back support being provided with a collapsible and extending stay which comprises side arms each in two pieces pivoted together and having one piece pivoted to the front portion and the other piece pivoted to crossed pieces, the latter being centrally attached and held together, and being also pivotally attached to respective back legs.

2,184,487
FOLDING CHOCK
John W. Clark, De Witt, Iowa
Application July 26, 1939, Serial No. 286,724
4 Claims. (Cl. 188—32)



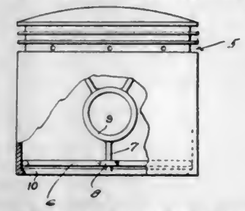
1. A wheel chock embodying a base frame, a bearing frame hinged at one side thereof to one side of the base frame, and struts hinged at one end thereof to one side of the bearing frame, said struts being disposed inwardly from the respective opposite ends of the bearing frame, and said bearing frame being smaller than said base frame whereby said bearing frame and struts, when the chock is folded, are substantially wholly within the plane of the base frame, with the struts lying substantially wholly within the plane of the bearing frame, and interengaging means on the free end of said struts and on one side of said base frame for connecting the struts thereto when the chock is in an extended position, and to thereby secure the bearing frame at the proper angle to the perpendicular.

2,184,488
AIR CIRCULATING ATTACHMENT FOR REFRIGERATOR CARS
William Albert Conwell, Cincinnati, Ohio
Application December 3, 1938, Serial No. 243,868
1 Claim. (Cl. 98—6)



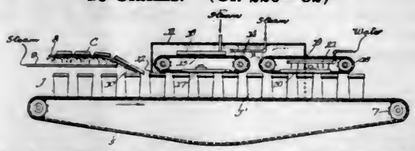
An air circulating apparatus for cars comprising a fan mounted in the car, a bracket secured to a part of the car adjacent a wheel thereof, said bracket having a bearing therein, a pivot member supported by the bearing and said bracket having flaring prongs thereon, the space between said prongs extending to the pivot member, a gear housing, an arm extending therefrom, said arm passing through the space between the prongs and pivotally connected with the bracket by said pivot member, said arm normally resting on the lower prong under the action of gravity, latch means carried by the bracket and engaging a part of the arm for holding the arm in raised position adjacent the upper prong, a first shaft journaled in the housing and passing therethrough, a friction wheel carried by the shaft for engaging a car wheel when the arm is adjacent the lower prong, a second shaft arranged at right angles to the first shaft and journaled in the housing, gears connecting the two shafts together, a flexible shaft connected with the second shaft and leading to the fan.

2,184,489
PISTON EXPANDER
William H. Dillow, Pasadena, Calif.
Application March 22, 1938, Serial No. 197,489
1 Claim. (Cl. 309—12)



In combination, a piston including a solid substantially cylindrical skirt, a pair of diametrically opposed internal bosses in said skirt, a pair of reinforcing ribs on said bosses, respectively, depending therefrom and downwardly diverging relatively, and a split resilient ring in said skirt having inwardly bowed portions interengaging with said ribs, respectively, for holding the ring against upward and circumferential movement and said ring reacting outwardly against diametrically opposite portions of the skirt intermediate said bosses, said ring intermediate said portions being free from contact with said skirt and loosely engaging said ribs, whereby said skirt is urged into transversely elliptical form.

2,184,490
APPARATUS AND METHOD OF VACUUMIZING CONTAINERS
Edward M. Enkur and Louis L. Lauve, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application June 11, 1938, Serial No. 213,254
16 Claims. (Cl. 226—82)



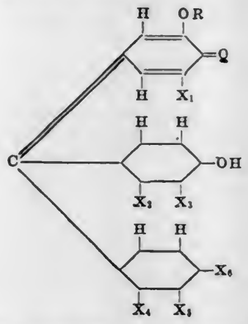
1. A method of vacuumizing a filled container having a cap loosely applied thereto and liquid within and upon the wall of the interior of the cap, comprising applying heat to the exterior of the head space of the capped container to convert such liquid into steam and thereby expel air from the head space, moving the cap to sealing position, and subjecting the capped container to cooling to condense the steam and thereby establish a vacuum condition in the container.

2,184,491
PROCESS FOR THE PRODUCTION OF POLYHYDROXY-FUCHSONE DERIVATIVES BY MEANS OF ALIPHATIC GROUPS
Zoltán Földi, Budapest, Hungary, assignor to the firm Chinoin Gyogyszer És Vegyészeti Termékek Gyára R. T. (Dr. Kereszty and Dr. Wolf), Ujpest, Hungary, a corporation of Hungary
No Drawing. Application March 21, 1938, Serial No. 197,299. In Hungary March 26, 1937
15 Claims. (Cl. 260—395)

1. A polyhydroxyfuchsone compound contain-

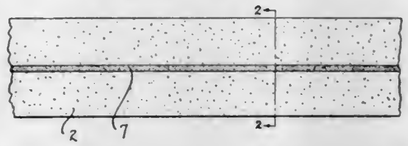
ing, on the quinoid benzene ring, a quinonic oxygen in para position to the methane carbon atom; the benzene rings of the said compound being further substituted by substituents selected from the group consisting of H, alkyl, hydroxy, alkoxy, carboxy, sulpho, halogen and nitro; the total number of hydroxy and alkoxy substituents contained in the benzene rings being more than two but less than six, the number of alkoxy substituents present being at least one, and in at least one of the benzene ring two members of the group consisting of hydroxy and alkoxy being in a relative position other than ortho.

7. A polyhydroxyfuchsone derivative of the following general formula



wherein X_1 represents a member of the group consisting of H and SO_3H; X_2 and X_4 represent a member of the group consisting of H, alkyl and alkoxy; X_3 represents a member of the group consisting of H and alkoxy; X_5 represents a member of the group consisting of H, NO_2 and COOH; X_6 represents a member of the group consisting of H, OH and alkoxy; and R represents alkyl.

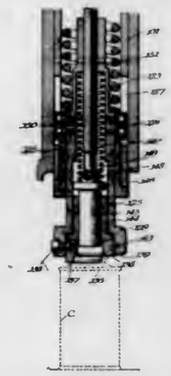
2,184,492
HIGHWAY STRIPE
James D. French, Austin, Tex., assignor of five per cent to Vernon Lowrey and John M. Mason
Application April 13, 1937, Serial No. 136,517
3 Claims. (Cl. 94—1.5)



1. The art of forming a distinguishing marker such as a stripe on the surface of a highway which includes treating a portion of the surface while the highway is still plastic after the laying of the same, by adding a coloring material comprising an oxide of iron to the said surface portion to be marked.

2,184,493
FILLING AND CROWNING MECHANISM
Wiltie I. Gladfelter, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application November 23, 1935, Serial No. 51,291
7 Claims. (Cl. 226—75)

5. The combination in a filling machine for operating upon containers of a plurality of types, of a filling mechanism and a crowning mechanism, said filling mechanism including a filling head adapted to receive one of a plurality of filling nozzles according to the type of container to be operated upon, and said crowning mechanism including a crowning member, means to



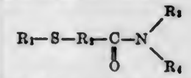
maintain said crowning member in crowning position with respect to a container, said last named means comprising a plurality of elements, and means adapted to be selectively actuated to control said elements according to the type of container to be operated upon.

2,184,494
MANUFACTURE OF GELATIN
John Vernon Stuart Glass, Sutton Weaver, near Warrington, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 19, 1937, Serial No. 159,995. In Great Britain August 27, 1936
13 Claims. (Cl. 260—118)

1. In the process of making gelatin from gelatin-forming materials by treatment with a lime suspension the improvement which comprises adding a non-tertiary amine containing no negative group to the lime suspension.

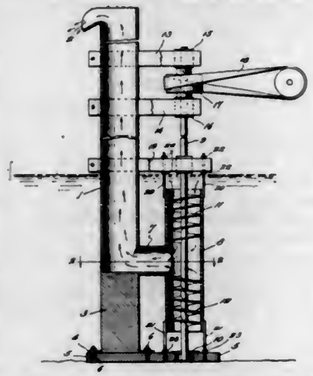
2,184,495
PRINTING ASSISTANT
Charles Graenacher, Riehen, and Max Matter, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 10, 1938, Serial No. 207,148. In Switzerland May 13, 1937
6 Claims. (Cl. 8—70)

1. Printing colors suitable for printing vegetable and animal fibers, characterized by a content of a dyestuff which is fixed in insoluble form on the fiber, a thickening agent and an acid amide of the general formula



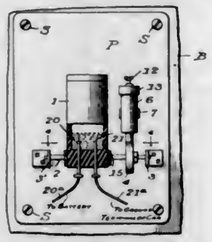
wherein R_1 stands for a member selected from the group consisting of lower alkyl, hydroxyalkyl and alkoxylalkyl radicals, R_2 stands for methylene, and R_3 and R_4 stand for a member selected from the group consisting of hydrogen and alkyl radicals.

2,184,496
PUMP
Elbert D. Hale, Glasgow, Mont.
Application December 8, 1937, Serial No. 178,816
2 Claims. (Cl. 103—92)



2. In a pump, a base, a vertically disposed column rising from said base and having an outlet at its top and an inlet neck extending laterally thereof from adjacent its lower end, a tube disposed vertically in spaced relation to said column and open at its top and bottom, said neck communicating with the tube intermediate the length thereof, a bearing bracket extending laterally from said column over said tube, bracing rods extending vertically from upper and lower ends of said tube and secured through the bearing bracket and the base, a shaft extending vertically through said tube and rotatably supported by the base and the bearing bracket, propellers carried by said shaft above and below the neck, and means for imparting rotation to said shaft.

2,184,497
SAFETY DEVICE
Walter R. Hickey, Butler, Pa.
Application February 27, 1939, Serial No. 258,798
4 Claims. (Cl. 200—52)

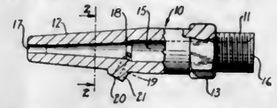


1. A safety switch comprising a hollow vessel of insulating material, electrode terminals extending into said vessel, a conducting liquid within said vessel normally bridging said electrode terminals, means for mounting said vessel comprising a rotary supporting shaft therefor below the center of gravity of said vessel and the contents thereof, a disc rigidly mounted on said shaft provided with a recess on the periphery thereof, a pin resiliently engaging said recess to yieldingly restrain said shaft from rotation and adapted to be displaced by impact or steep tilting to permit said shaft to rock said vessel from its normal upright position to a position which conveys the conductive liquid into a portion of the vessel remote from the electrode terminals.

2,184,498
MANUFACTURE OF STEEL OR ALLOY TUBES
Harry W. Hudson, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
No Drawing. Application November 17, 1937, Serial No. 175,136
3 Claims. (Cl. 148—12)

1. In the manufacture of cold-drawn nickel alloy steel tubing containing less than .25 per cent. carbon, from 2 to 5 per cent. nickel, from .30 per cent. to .60 per cent. manganese and the remainder iron to produce tubing having a high degree of machineability, the method comprising heating the tubular blank to a temperature substantially above the upper critical point, holding the blank at said temperature for approximately one hour, precipitating the carbides along the cleavage planes of the austenitic crystals by rapidly cooling the blank in the atmosphere, and finally elongating the constituents of the steel structure axially of the tubular blank by cold-drawing the same, thereby producing a tubular steel blank which is freely machineable.

2,184,499
WELDING NOZZLE
Frank C. Hutchison, Kansas City, Mo., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application May 25, 1935, Serial No. 23,442
4 Claims. (Cl. 158—27.4)

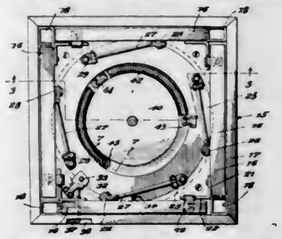


1. A welding nozzle adapted to be secured to a blowpipe or welding head, said nozzle comprising a one-piece body having a bore extending axially through said body and terminating in a single main welding jet discharge orifice coaxial with said bore, said body also having a pair of parallel coplanar gas outlet passages communicating with said bore and extending through the wall thereof at an acute angle to the axis of said bore, each of said passages being inclined toward said main orifice and having a preheating jet discharge orifice of smaller diameter than the diameter of said single main orifice, said pair of passages having their discharge orifices disposed at a substantial distance behind said main orifice.

2,184,500
FOLDING TABLE AND OPERATING MEANS THEREFOR
Edwin F. Knowles, Globe, Ariz.
Application February 5, 1938, Serial No. 188,987
3 Claims. (Cl. 311—82)

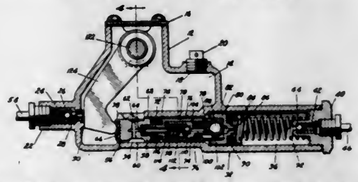
1. A device of the class described comprising a body, a plurality of legs hingedly secured to the under face of said body, a retaining plate secured to the under face of said body and having a central annular opening, a supporting flange formed around the periphery of said opening, an annular actuating member having a supporting flange along its outer periphery and fitting in engagement with said first mentioned flange for retaining said annular actuating member in an operative position, actuating links connected to said actuating member and said legs whereby all of said legs will be simultaneously moved from one position to another position as

said actuating member is rotated, a second annular actuating member having an annular spring-receiving channel, a tension coil spring fitting within said channel, means for anchoring one end of said spring to said first mentioned annular actuating member, and means



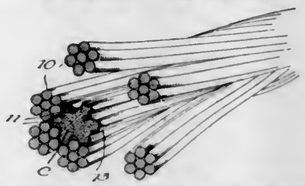
for selectively anchoring the opposite end of the spring to said body whereby the first mentioned actuating member may be selectively and automatically moved to and from an opening and closing position, said actuating member being adapted to be normally locked in one position.

2,184,501
COMPOUND CYLINDER
Aaron A. Loweke, Detroit, Mich., assignor, by mesne assignments, to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application September 26, 1936, Serial No. 102,788
5 Claims. (Cl. 60—54.6)



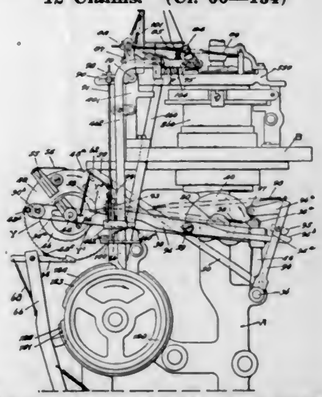
1. A fluid pressure producing device comprising means for producing pressure including spaced pistons each having an orifice, a sleeve connecting the pistons and communicating with the orifices, fluid pressure actuated means in the sleeve for controlling the orifices operative at a predetermined pressure to open the orifice in one of the heads and at a greater pressure to open the orifice in the other head, and means for adjusting the fluid pressure actuated means for opening operation at the pressures determined.

2,184,502
WIRE ROPE CENTER
Frank R. Metcalf, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application May 6, 1938, Serial No. 206,450
3 Claims. (Cl. 57—153)



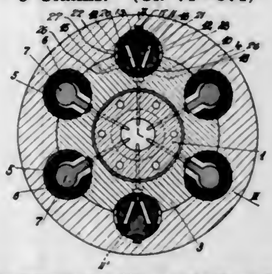
1. A center for wire ropes comprising a plurality of groups of fibres twisted together forming a body having depressions extending spirally of its surface, a lubricant incorporated in said body, and sealing material substantially covering said body and capable of retaining the lubricant therein, said sealing material also filling said depressions to impart an even surface substantially free of undulations to the center.

2,184,503
CLAMP AND CUTTER MEANS FOR REINFORCING YARNS
Edward Peloquin, Elizabeth City, N. C., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application April 25, 1938, Serial No. 204,165
12 Claims. (Cl. 66—134)



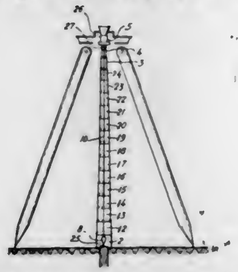
1. The combination in a knitting machine having means for knitting a fabric having a reinforced portion of varying width, of clamping and cutting means for the reinforcing yarn and cam means for varying the operation of the clamping and cutting means in accordance with the changes in the width of the reinforced portion, said clamping and cutting means being opened upon the presenting of the reinforcing yarn to the needles and closed upon the withdrawal of said yarn therefrom.

2,184,504
DAMPING DEVICE
Gustav Pielstick, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany
Application May 10, 1937, Serial No. 141,657
In Germany May 11, 1936
5 Claims. (Cl. 74—574)



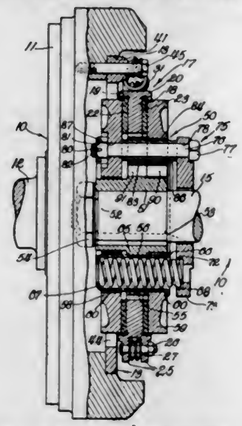
3. In combination with a rotating shaft, a hub carried thereby, a fly-wheel and resilient damping elements disposed in complementary bores of said fly-wheel and said hub, additional damping elements each comprising two relatively movable parts one mounted in said hub and having two inclined walls confining a V-shaped hollow space, and the other part being secured to said fly-wheel and having a projection extending into said hollow space and spaced from said inclined walls to provide damping chambers filled with a liquid and throttling passages between said two parts leading from said damping chambers so that upon a relative movement between said fly-wheel and said hub liquid is displaced from said chambers through said throttling passages.

2,184,505
PLUMB BOB WINDSHIELD
Rhett Gorman Danley, Lawrenceburg, Tenn.
Application March 4, 1938, Serial No. 193,845
7 Claims. (Cl. 33—216)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A plumb bob and plumb bob string windshield comprising a plurality of similar telescopable sections and means for attaching said windshield to a surveying instrument, characterized by the fact that it can be collapsed for the purpose of conveniently carrying it about on the person.

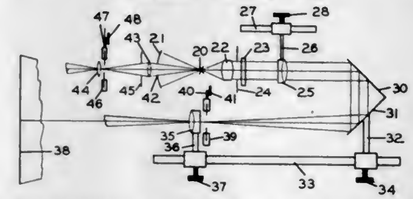
2,184,506
CLUTCH
Clarence M. Eason, Waukesha, Wis., assignor to Industrial Clutch Company, Waukesha, Wis., a corporation of Wisconsin
Application March 25, 1937, Serial No. 132,985
17 Claims. (Cl. 192—68)



5. A clutch adapted to connect driving and driven parts, comprising a central clutch plate, a pair of driven clutch members disposed on opposite sides of said clutch plate and adapted to clamp the latter therebetween, lugs extending radially outwardly from said clutch plate, an axially directed pin carried in each lug, a pair of tangentially disposed tension springs having their inner ends engaged over the pin for each lug, and means fastening the outer ends of the springs of each pair to said driving part, said springs permitting the clutch plate to shift in any direction relative to said driving part while in torque transmitting relation.

8. In a disc clutch adapted to connect driving and driven parts, the combination of a clutch plate connected with one of said parts, a flanged member carried by the other of said parts, the flange of said member having a plurality of openings therein, a pair of disc members disposed on opposite sides of said flange and said clutch plate, said disc members each having openings adapted to register with the openings in said flange, and spring receiving cups seated in said openings and arranged to accommodate relative axial movement of said pair of disc members and adapted to cause said disc members to rotate with said flanged member.

2,184,507
APPARATUS FOR TESTING VISION
Frederick W. Jobe, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 2, 1937, Serial No. 151,680
1 Claim. (Cl. 88—20)



An apparatus for testing vision comprising a projection screen at which the patient is directed to look, a source of light, a reflector positioned on one side of said source, a condenser positioned on the other side of said source, a slide having a test object thereon positioned in front of said condenser, means for directing light from said slide onto said screen, an objective for forming an image of said test object on said screen, said objective comprising two independently adjustable lenses, and means for moving said lenses to change the size of the image without changing its focus on the screen, said reflector having an aperture therethrough, a projection system positioned between said aperture and said screen for receiving light from said source and directing it onto the same area of said screen as said image, means for varying the intensity of the projected light, and means for indicating the intensity of the varied light.

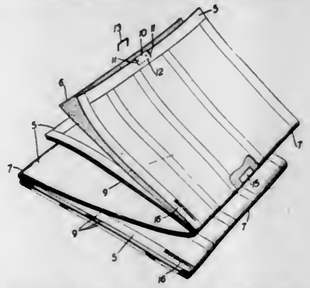
2,184,508
ROTARY FILE
Charles W. Major, Ocean Grove, N. J., assignor, by direct and mesne assignments, to Eugenia M. Major, Ocean Grove, N. J., and Ernest Bogart, Valatie, N. Y.
Application January 25, 1937, Serial No. 122,191
17 Claims. (Cl. 29—76)

1. In a device of the type described a pair of side plates each having an opening therethrough

in which articles to be filled and cleaned may be inserted, an upper wheel rotatably mounted between said side plates, a lower wheel also rotatably mounted between said side plates and having side surfaces adapted to file and clean when said lower wheel is actuated to rotate, means carried by said upper and lower wheels for transmitting rotation of the upper wheel to the lower wheel and means for holding the aforesaid parts in proper relative position with respect to each other and the lower wheel in such position that the side surfaces thereof may pass under the side plate openings aforementioned upon rotation of the wheels.

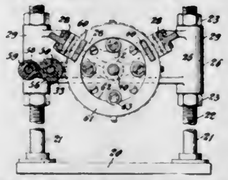


2,184,509
MANIFOLD FORM
Castle W. Zartman, Kew Gardens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 14, 1931, Serial No. 575,050
12 Claims. (Cl. 282—12)



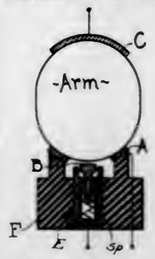
1. A manifolding record including, in combination, a plurality of record sheets having weakened portions between the lateral edges of the sheets, a plurality of transfer sheets interleaved with the record sheets and having grip-escaping openings, and means for securing the transfer sheets to the weakened portions for alignment and removal of the plurality of transfer sheets from the record sheets in a single withdrawal operation.

2,184,510
STAMPING WHEEL
Charles F. Adams, New York, N. Y.
Application January 24, 1938, Serial No. 186,577
4 Claims. (Cl. 101—379)



1. In a stamping wheel the combination of a body portion, a slide supported in said body portion, type for the slide, flexible means to move the slide to a predetermined position, a roller journaled at each side of the slide, and stationary means at the opposite sides of the wheel for the rollers to bear against, each of the latter means having a depression for the adjacent roller to bear against, said flexible means forcing the rollers of its slide to contact with said depressions, to move the slide with its type radially from the axis of the wheel to print on objects having flat or irregular surfaces.

2,184,511
METHOD AND APPARATUS FOR MEASURING IMPEDANCE
Samuel M. Bagno, New York, and Abraham Barnett, Brooklyn, N. Y.
Application October 28, 1937, Serial No. 171,438
10 Claims. (Cl. 175—183)

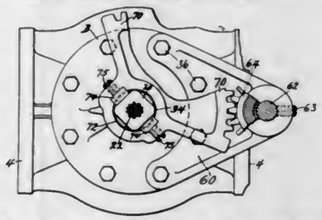


1. The method of measuring the impedance properties of a dielectric while in contact with a conductor comprising the steps of feeding an alternating current through two points on the surface of said dielectric and measuring the difference of potential between one of said points and a third point on the surface of said dielectric located outside the space lying between the two current input points.

2,184,512
PRESERVATION OF RUBBER
William Baird and Maldwyn Jones, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 1, 1936, Serial No. 72,209. In Great Britain April 10, 1935
13 Claims. (Cl. 260—807)

1. The method which comprises incorporating in rubber a small amount of a 4:4'-dialkoxy-N-alkyl-diarylamine in which the aryl groups are of the benzene series and each alkyl radical contains from 1 to 6 carbon atoms.

2,184,513
UNIVERSAL VALVE
Robert Clade, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application February 25, 1938, Serial No. 192,523
1 Claim. (Cl. 137—139)



In a valve, a valve body, a plug rotatable in

the body and provided with a stem formed with a flattened wrench receiving portion, a gear mounted on the valve body, a gear formed with a central bore mounted on said plug stem at the wrench receiving portion in cooperative relation with said first gear, means engaging said stem at the flattened portion for removably securing said gear in fixed position, said wrench receiving portion of the plug stem having spaced outer surfaces formed concentric with the longitudinal axis of the plug for engagement with the wall of the bore of said removable gear to center the latter with respect to the longitudinal axis of said plug, whereby the said gears are properly aligned for driving cooperation and rotation of said plug.

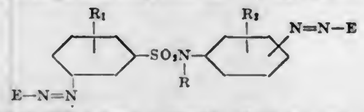
2,184,514
SHOE FOR DRIVING PILES
Carlos Guillermo Cleesattel, Olivos, Argentina, assignor of one-third to Hugo C. Gollmer, New York, N. Y.
Application September 27, 1937, Serial No. 165,882
In Argentina September 28, 1936
4 Claims. (Cl. 61—57)



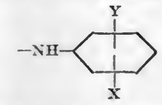
1. A shoe fitting adapted to close the lower end of a driving tube when said shoe is fitted onto said tube and having a central raised portion on said shoe adapted to extend into said tube and serving to spread apart concrete extruded from said tube onto said shoe.

2,184,515
MANUFACTURE OF NEW AZO DYESTUFFS
Wilfrid Herbert Cliffe, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 12, 1938, Serial No. 229,638. In Great Britain September 16, 1937
7 Claims. (Cl. 260—160)

1. A compound represented by the formula

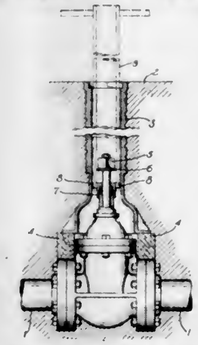


in which the group —N=N—E is in one of the positions meta and para to —NR—; R is one of a group consisting of alkyl having one to four carbons and aralkyl; R_1 and R_2 are from the group consisting of hydrogen, alkyl, alkoxy and halogen; and E is the residue after coupling in basic medium of an azo dye coupling component of a group consisting of naphthol sulfonic acids, amino-naphthol sulfonic acids, N-alkyl naphthol sulfonic acids, N-hydroxy-alkyl naphthol sulfonic acids, N-aralkyl naphthol sulfonic acids, N-acyl naphthol sulfonic acids, arylpyrazolone sulfonic acids and N-substituted derivatives of naphthol sulfonic acids, the N-substituted group being



wherein X is not more than two members of the group consisting of hydrogen and methyl, and Y is one of a group consisting of hydrogen, chlorine and sulfonic acid.

2,184,516
UNDERGROUND VALVE
Frank R. Coster, Scarsdale, N. Y., assignor of one-half to Harry G. Kimball, Bronxville, N. Y.
Application December 9, 1933, Serial No. 701,589
1 Claim. (Cl. 137—13)

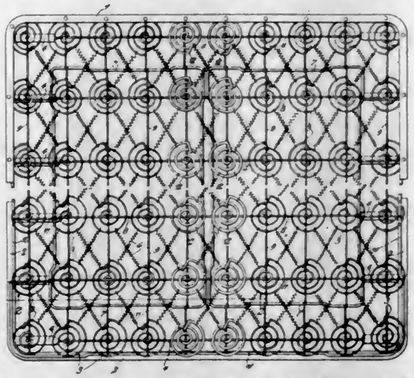


In underground pipe and valve equipment of the kind comprising a buried valve and narrow access tube, the latter having a cover at the ground surface and leading therefrom to said valve and being wholly independent of and unattached to said valve and of such dimensions as to preclude personal entry, the spindle of said valve having a head of angular cross section, disposed at the lower end of said access tube in a position to receive a valve key guided thereto by said tube, the combination of a gland-tightening nut for said spindle concentrically mounted on the valve and wholly disposed within and at the lower end of said access tube, one or more radial lugs on the nut extending horizontally outward therefrom beyond the limit of the spindle head and within the projected cross-area of the narrowest part of said tube and in line with the annular space between said tube and spindle head, so that a gland-tightening tool inserted through said space, will be guided by the tube and the spindle head into engagement therewith.

2,184,517
BEDSPRING
William J. Duvall and Gerald W. Froemke, St. Louis, Mo., assignors to Smith & Davis Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application January 25, 1937, Serial No. 122,183
7 Claims. (Cl. 5—248)

7. A double-bed spring, comprising, upper and

lower supporting frames, bed-supporting springs supported between said frames, certain of said springs being grouped to provide two distinct side groups, a pair of independent group frames each embracing one of said side groups, connections from each frame to the intermediate portions of the springs in its group, the inner row of springs of each of said groups being stiffer



than the other springs thereof, an intermediate main frame, and hinging connections between said group frames and said main frame, said groups including said group frames being unconnected to each other except through their lower supports and extensible mattress-supporting elements interconnecting the upper ends of said springs so that each group is unaffected by deflection of the other.

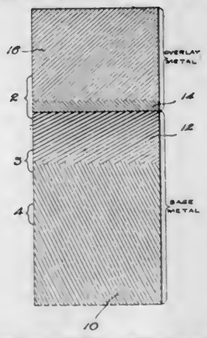
2,184,518

WELDING ROD AND HARD OVERLAY DEPOSITED THEREFROM

John Trimble Eash, Cranford, and Thomas J. Wood, Nutley, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

Application July 27, 1938, Serial No. 221,514

22 Claims. (Cl. 219—8)



3. A composite metallic article comprising a normal zone of ferrous metal extending throughout a substantial part of the body of the article; a sound, dense, welded overlay of high hardness; and an intermediate zone between said welded overlay and said normal zone, said intermediate zone exhibiting a transition in structure from the structure of the normal zone to the structure of the welded overlay produced by diffusion of the constituents of a welding rod comprising about 2.0 to 4.0% carbon; about 0.25 to 3.0% silicon; about 2.0 to 7.0% nickel; about 0.25 to 3.0% chromium; about 0.10 to 1.5% manganese; sulphur and phosphorus not in excess of 0.20% and 0.30% respectively; about 0.15 to 1.0% of a deoxidizer selected from the group consisting of aluminum and calcium-lithium; from 0 to about 1% boron; and the balance essentially iron, into the base metal during welding.

17. A welding rod for producing hard overlays by welding comprising about 2.0 to 4.0% carbon; about 0.25 to 2.0% silicon; about 2.0 to 5.0% nickel; about 0.25 to 3.0% chromium; about 0.10 to 1.5% manganese; sulphur and phosphorus not in excess of 0.20% and 0.30% respectively; about 0.5% of a deoxidizer selected from the group consisting of aluminum and calcium-lithium; about 0.5% boron; and the balance essentially iron.

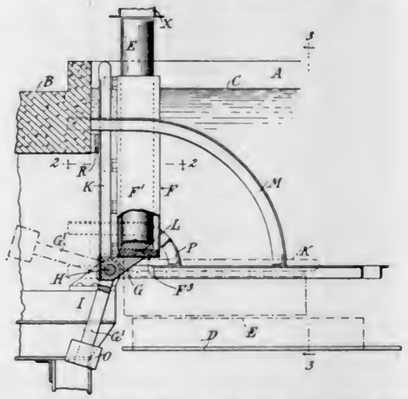
2,184,519

RECEIVING DEVICE FOR CASTINGS

William F. Eppensteiner, Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York

Application May 25, 1937, Serial No. 144,632

9 Claims. (Cl. 22—57)



2. The combination of a bosh or pit having liquid therein, and a receiver for receiving the castings falling in such bosh, said receiver being mounted at least in part below the liquid level and having means for admitting thereto liquid from the bosh, the proportions of the receiver and casting being such that as the casting enters the receiver, the displacement of liquid from the receiver will be sufficiently retarded to materially cushion the fall of the casting, said receiver being mounted for turning toward a horizontal position to discharge the casting and having a movable side through which the casting is discharged.

2,184,520

RECOVERY OF LEAD

Robert B. Erickson, Philadelphia, Pa.

No Drawing. Application November 2, 1938, Serial No. 238,357

3 Claims. (Cl. 75—77)

1. A method for recovery of metallic lead from waste sludge resulting from the manufacture of tetra-ethyl lead, which sludge contains lead oxide and sodium chloride, which method includes leaching the sludge to reduce the sodium chloride content to a point below about 2.5% of the sludge by weight, charging the treated sludge, together with coke, into a continuously operated blast furnace wherein molten metallic lead accumulates in the furnace pot with a zone of molten slag thereabove, tapping the slag from said zone, and withdrawing the reduced molten lead substantially from the bottom of the pot.

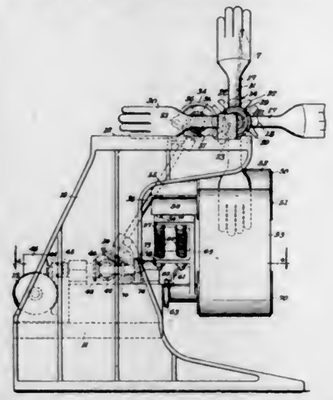
2,184,521

GLOVE FORMING AND PRESSING MACHINE

Isidor Gerber, Brooklyn, N. Y.

Application October 22, 1936, Serial No. 106,963

9 Claims. (Cl. 223—57)



1. In a machine of the character described, a form holder, a series of glove forms extending from said holder, means for intermittently rotating the holder, electrically operated heating means in each of the forms, a pair of contact rings on the form holder rotatable therewith, stationary current-carrying means contacting with the rings for supplying current to said rings and therethrough to said heating means, and means for stripping a glove from the forms comprising a pair of rolls arranged on opposite sides of the form, movable belts carried by and operating said rolls, and means for oscillating said rolls bodily toward and away from said forms.

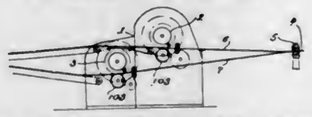
2,184,522

WEB CUT-OFF

Henry B. Greenwood, Glenarm, Md., assignor to F. X. Hooper Company, Inc., Glenarm, Md., a corporation of Maryland

Application November 18, 1936, Serial No. 111,395, Renewed June 3, 1939

8 Claims. (Cl. 164—68)



5. In a cut-off mechanism for a plurality of webs for cutting sheets of independently adjustable lengths from the respective webs, means for feeding the webs in planes diverging from a point of slitting said feed being constant, a plurality of cutting heads one for each web, the heads being arranged in the direction of feed and each head comprising two rotary cutters of relatively short and long radii respectively means consisting entirely of circular gears for driving the cutting heads, means for adjusting the speed of the cutters at the time of cutting to the speed of the web and means for varying the number of cutting cycles of each head per unit of time relatively to the feed thereby varying speed of each head above and below a mean speed at which the cutters move at uniform speed throughout the cutting cycle, the long radius cutter of one head and the short radius cutter of the other head being between the webs, the long radius cutter of each head being above the short radius cutter of that head and the head having its short radius cutter between the webs being nearest the point of slitting.

2,184,523

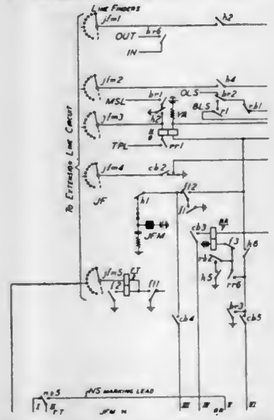
PRIVATE BRANCH EXCHANGE SYSTEM

George C. Hartley and Maurice Susan Snell, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 16, 1938, Serial No. 202,428

In Great Britain August 17, 1937

7 Claims. (Cl. 179—27)



1. In a telephone system, an exchange, a plurality of subscribers' lines terminating in said exchange, a line incoming to said exchange, a switch, an attendant's equipment, means for establishing a connection from said incoming line to a desired subscriber's line including the operation of said switch and responsive to the operation of said attendant's equipment, and means for releasing said switch to open the connection between said subscriber's line and the incoming line and for reoperating said switch to establish a connection between said incoming line and another subscriber's line responsive to a second operation of said attendant's equipment.

2,184,524

RECORD BLANK

Harry E. Hofmann, Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application November 6, 1931, Serial No. 573,521

10 Claims. (Cl. 154—43)

1. A record blank adapted to have sound recorded thereon which contains a substantial proportion of a resinous constituent consisting of a vinyl resin at least in the surface of said record upon or in which surface said sound is to be recorded, said vinyl resin being a member selected from the group consisting of polymerized vinyl esters of alipathic acids, polymerized vinyl halides, polymerized vinyl benzene, and products of the conjoint polymerization of a plurality of vinyl compounds of at least two different members within the foregoing group.

2,184,525

ELECTROOPTICAL SCANNING APPARATUS

Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Continuation of application Serial No. 672,576, May 24, 1933. This application February 21, 1936, Serial No. 65,048

20 Claims. (Cl. 178—7.6)



1. Scanning apparatus comprising a light opaque film through which is engraved line areas for transmitting light, a second light opaque film through which is engraved line areas for transmitting light differently arranged than those of the said first film, and transparent means for supporting and relating the said two films in such relative position with respect to each other that their respective light transmitting line areas cross and remain crossed in fixed relation to each other.

2,184,526

PERFUME COMPOSITIONS AND PROCESS OF MAKING THE SAME

Walter Christian Meuly, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 27, 1937, Serial No. 145,035

7 Claims. (Cl. 167—94)

4. A perfume material consisting predominantly of the hemi-acetal of p-isopropyl-α-methyl-hydrocinnamic aldehyde with an alcohol selected from the group consisting of aromatic alcohols and terpene alcohols.

2,184,527

MECHANICAL PENCIL

Lucifer J. Most, Hudson County, N. J.

Application March 18, 1939, Serial No. 262,590

7 Claims. (Cl. 120—18)



1. In a mechanical pencil, a barrel having a frusto-cone portion provided with a lead outlet, said frusto-cone portion having an external annular groove, a split ring positioned in said groove, a tip secured to said ring whereby said tip and ring are free to turn on said frusto-cone portion, said tip having a threaded bore aligning with the lead outlet, and a lead guide of angular cross-section from the lead outlet and entering the threaded bore, so that a lead engaged by the threaded bore is prevented by said means within the bore from turning while it is free to move longitudinally.

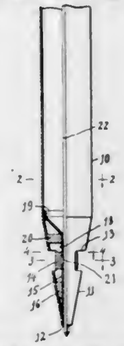
2,184,528

MECHANICAL PENCIL

Lucifer J. Most, Hudson County, N. J.

Application March 18, 1939, Serial No. 262,591

2 Claims. (Cl. 120—18)



1. In a mechanical pencil, a barrel having a lead outlet, a pair of aligning spaced tubular members of angular cross-section fixed in the barrel in proximity of the outlet and aligning therewith, a threaded die positioned between the tubular members and having annular recesses accommodating the proximate ends of the tubular members, so that the said die is free to revolve relatively to said members, but prevented from moving longitudinally, said barrel having lateral openings giving access for the manipulation of the die, and a hopper rising from the tubular member above the die forming with the barrel the magazine for leads.

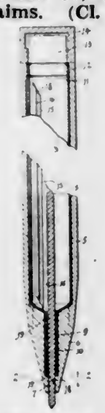
2,184,529

MECHANICAL PENCIL

Lucifer J. Most, Hudson County, N. J.

Application September 30, 1939, Serial No. 297,241

5 Claims. (Cl. 120—18)



4. A lead for mechanical pencil having sloping ends.

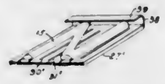
2,184,530

LUMINESCENT TUBE

Harold D. Penney, Pelham, and William Weis, Mount Vernon, N. Y.

Application February 24, 1937, Serial No. 127,378

8 Claims. (Cl. 176—124)



1. In combination, a pair of conductors; an insulating board between opposite faces of which near opposite margins of the board the respective conductors are received; a pair of groups of parallel bars of thin metal seated on a surface of said board transverse to said conductors; the bars of each group alternating with bars of the other group; adjacent ends of the bars of each group projecting beyond the adjacent end of the other group and being downturned into the interior of the board, to form two series of connecting ends adjacent to opposite edges of the board respectively and connected to said conductors respectively.

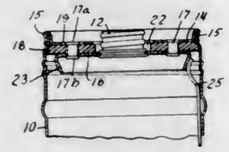
2,184,531

FLASHLIGHT CONSTRUCTION

Otto K. Reinhardt, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware

Application December 5, 1936, Serial No. 114,307

2 Claims. (Cl. 240—10.66)



1. A hand lamp comprising a metal casing, a metal supporting member having a peripheral flange extending outwardly over one end of the casing, an insulating member disposed in the casing inwardly from said supporting member and connected thereto, the casing having an inwardly projecting part between said members for securing the members against outward movement in the casing, and said flange engaging the end of the casing to secure the members against movement into the casing, a conductor secured to the inner face of the insulating member and spaced from the casing wall, whereby the conductor is insulated from the wall, a socket mounted on the conductor and projecting through said members, and a switch on the casing for electrically connecting said conductor to the casing.

2,184,532

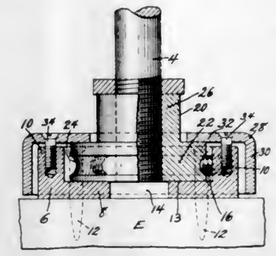
ADJUSTABLE PIVOT MEMBER FOR SWINGING DOORS

Ernest R. Schroeder, Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application January 6, 1939, Serial No. 249,607

5 Claims. (Cl. 16—131)

1. An adjustable pivot assembly comprising, a rigid bearing plate, said plate being angle-shaped in cross section and having a base portion providing a support, a pivot member having bearing on said support, a pivot rod carried by said pivot member, and means carried by said bearing plate and engageable with said pivot member for shifting adjustably adjusting the member and rod in any direction at right angles to the pivot rod axis.



2,184,533

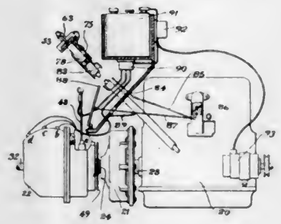
POWER TRANSMISSION MECHANISM

Harold Sinclair, Kensington, London, and Robert Cecil Clerk, Egham, England, assignors to Hydraulic Coupling Patents Limited, London, England, a company of Great Britain

Application April 4, 1938, Serial No. 199,900

In Great Britain April 8, 1937

21 Claims. (Cl. 74—262)



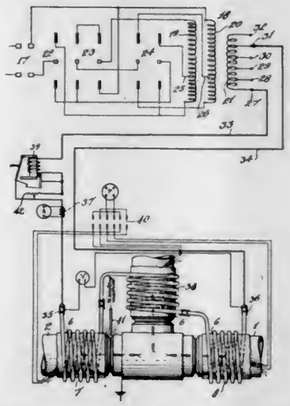
1. A power-transmission system comprising an internal-combustion driving engine having a power control member, a hydraulic power transmitter of the kinetic type and a mechanical change-speed gearing connected in series to said engine, said gearing having constantly-meshed toothed wheels, frictional devices for establishing the different speed ratios therein and control means operatively connected to said frictional devices for selecting changes of gear, characterised by an interlocking connection between said power control member of the engine and said control means of the gearing said interlocking connection including a mechanical interlocking member operatively connected with said power control member and movable between one position in which, when said power control member is set to cause the engine to maintain any substantial amount of power output, said interlocking member engages said control means of the gearing to prevent effective movement of the latter in at least the sense required to effect the engagement of a higher-speed gear, and another position in which, when said power control member is displaced to cause the engine to cease producing torque, said interlocking member ceases to restrain such effective movement of said control means and thus permits completion of such gear changes substantially at the instant when cessation of torque occurs in said hydraulic power transmitter.

2,184,534

PIPE WELDING AND HEAT-TREATING PROCESS AND MEANS

Harry B. Smith, Glen Rock, and George A. Dolan, Hohokus, N. J.

Application November 26, 1937, Serial No. 176,508
10 Claims. (Cl. 219—10)



1. The process of butt-welding metallic members together which consists in applying windings around the adjacent parts of said members, passing alternating current through said windings to establish alternating electro-magnetic fields uniformly around said parts to induce preheating currents in said parts, then arc-welding the joint between the members while the windings are still in place, and when the welding is completed then immediately applying the current again to said windings and controlling it so as to normalize the weld.

2,184,535

TREATING LEAD ALLOYS

Herman L. Smith, Pittsburgh, Pa., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 21, 1938, Serial No. 246,999
4 Claims. (Cl. 75—93)

1. The process for treating lead-base alloys which consists in establishing a bath of the metal and sequentially treating same with a carbohydrate, a reducing gas and a metallic deoxidizing agent thereby increasing the alloys' resistance to drossing under repeated meltings and castings.

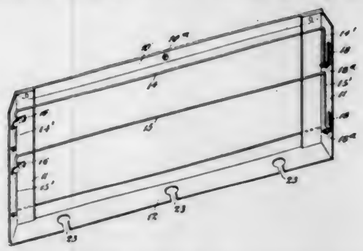
2,184,536

SUPPORT RACK

Nora Mary Twomey, New York, N. Y.

Application December 1, 1937, Serial No. 177,468
2 Claims. (Cl. 211—100)

1. A support rack, comprising a frame of angle material and having vertical side portions continuing into a horizontal bottom portion and one of the arms of the angle material forming said portions being in a common plane adapted to rest against a wall and the other arms of the angle material extending outwards at right angles, a plurality of support bars within the plane of said frame and having downwardly extending end portions pivotally mounted on the projecting arms of said angle material and adapted to swing outwards to the horizontal, hooks mounted on the projecting arms of said angle material for holding said bars in the horizontal position, and clips mounted on the projecting



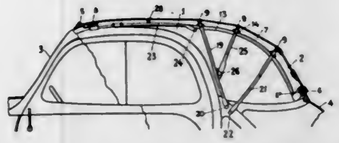
arms of said angle material for holding said bars in the vertical position.

2,184,537

MOTOR VEHICLE COACHWORK

Vittorio Valletta, Turin, Italy, assignor to Fiat Societa Anonima, Turin, Italy

Application October 27, 1937, Serial No. 171,224
In Italy November 3, 1936
3 Claims. (Cl. 296—107)



1. In a closed coachwork for motor vehicles having in its upper portion fixed side walls and in which the roof and rear wall of the upper portion are provided with an opening extending in near proximity to the windscreen, a foldable flexible member for covering and uncovering said opening, said member freely resting in closing position by its edges on the fixed roof portions, bows articulated to the fixed side walls of the upper coachwork portion and attached to the rear portion of said foldable member for guiding and stretching it, a front bow attached to the foldable member near its front edge, journaled on the side walls approximately at mid length of the opening and arranged to lie approximately horizontal in the closed position, the webs of at least said near bows being prolonged beyond the points of attachment of the bow arms, rubber studs on said prolonged web parts arranged to rest in closed position on the fixed roof parts, and easily detachable means for fastening the front edge of the foldable member to the front edge of said opening.

2,184,538

COMPOSITION OF MATTER AND PROCESSES FOR THE MANUFACTURE OF THE SAME

Charles W. J. Wende, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 7, 1938, Serial No. 200,747
3 Claims. (Cl. 23—50)

1. The method of preparing a basic sulfamate of tetravalent titanium which comprises reacting in aqueous solution titanium tetrachloride and a sulfamate the cation of which forms an insoluble chloride.

2. A basic salt of tetravalent titanium and sulfamic acid.

2,184,539

PIGMENT CHIP COMPOSITION

David R. Wiggam, Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 15, 1936, Serial No. 96,319
7 Claims. (Cl. 134—79)

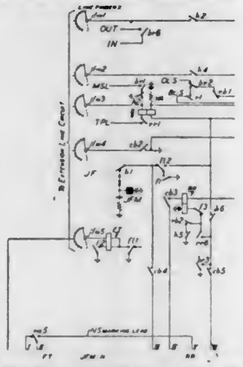
1. A method of producing a pigment chip which consists of milling a mixture that is substantially non-volatile at normal room temperatures and that requires a milling temperature of above about 100° C. to effect colloiding, said mixture comprising ethyl cellulose and a pigment within the range of about 40% to about 90% by weight of the maximum amount which can be dispersed in the ethyl cellulose as determined by a shortness of bead while milling at the temperature at which the ethyl cellulose is colloided from about 100° C. to about 150° C. until the pigment is uniformly dispersed throughout the resulting ethyl cellulose colloid.

2,184,540

PRIVATE BRANCH EXCHANGE SYSTEM

Esmond P. G. Wright and George C. Hartley, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 16, 1938, Serial No. 202,429
In Great Britain August 17, 1937
6 Claims. (Cl. 179—27)



1. In a telephone system, an exchange, incoming lines, a switch for each line, an attendant's position including a control equipment, means responsive to the operation of said attendant's control equipment for establishing a connection from an incoming line on which a call is waiting to a subscriber's line over the associated switch, night service circuit means, switching means for disabling said attendant's control equipment and enabling said night service circuit means, and means operative when a call is waiting on any incoming line and the night service circuit means is enabled for establishing a connection from said incoming line to a subscriber's line over the associated switch.

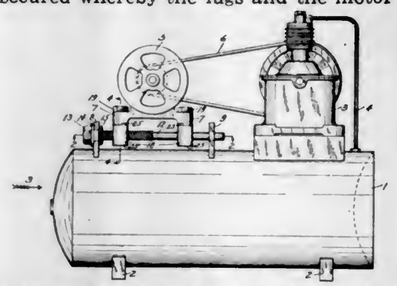
2,184,541

MOTOR MOUNTING AND BELT TIGHTENER

Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 4, 1937, Serial No. 128,994
8 Claims. (Cl. 248—23)

1. A motor mounting comprising a base member, two spaced rods carried by said member, a lug having screw-threaded engagement with each rod, to which lugs the motor base is adapted to be secured whereby the lugs and the motor base



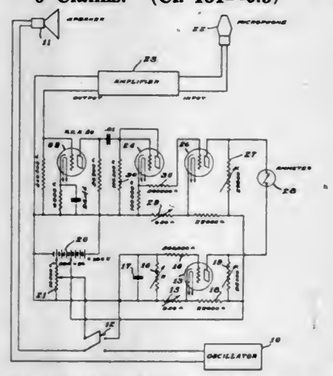
may be shifted longitudinally upon rotation of said rods, said rods being movable transversely in said base member to a position for adjustment, and means for securing said rods to said base member in the position of adjustment.

2,184,542

ACOUSTICAL MEASURING DEVICE

Herbert Belar, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1936, Serial No. 103,407
6 Claims. (Cl. 181—0.5)



1. An acoustical measuring device including a detector provided with an output circuit, means in said circuit for producing a current which varies linearly with the logarithm of sound pressure, means for producing a current which varies linearly with time, and means operatively connected to said last means and said circuit for balancing said currents one against the other.

2,184,543

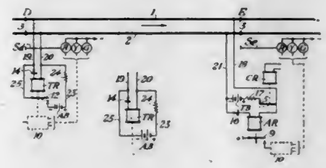
APPROACH CONTROL APPARATUS FOR RAILWAY SIGNALING SYSTEMS

Herman G. Blosser, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application October 13, 1938, Serial No. 234,814
9 Claims. (Cl. 246—38)

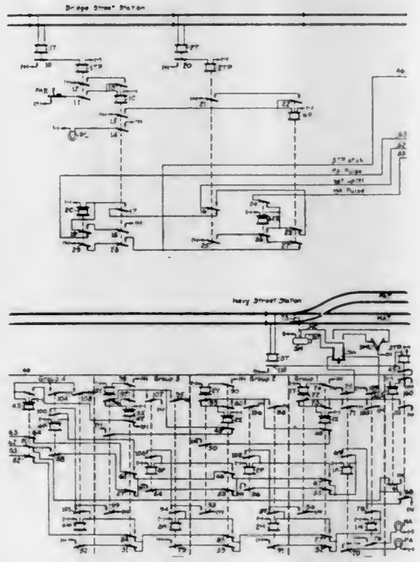
1. In combination with a section of railway track, a first source of direct current energy, coding means for periodically connecting said first source with the rails of said section in a manner to supply recurring pulses of normal polarity energy thereto, a second source of direct current energy, a circuit over which said second source

supplies reversed polarity energy to said rails during the intervals which separate said recurring pulses of normal polarity energy, a traffic governing relay designed to respond to said reversed polarity energy, a continuously completed circuit over which the operating winding of said relay is connected in energy receiving relation with said rails, a static type rectifier included in



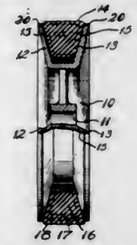
said circuit for conditioning it to pass said reversed polarity energy but not said normal polarity energy whereby said relay winding is energized only from said second source when said section is vacant and is continuously deenergized when the section becomes occupied, and traffic governing apparatus controlled by said relay and rendered active only when that relay becomes continuously deenergized.

2,184,544
TRAIN DESCRIBER SYSTEM
Herbert D. Brooks, Oceanside, and Albert A. Roberts, Rockville Center, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application November 14, 1935, Serial No. 49,792
22 Claims. (Cl. 246—2)



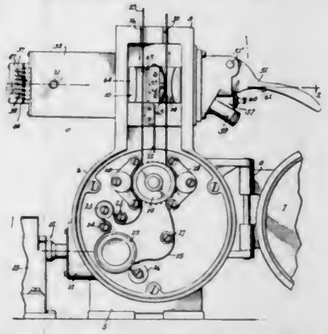
3. In combination, a track layout comprising a plurality of routes, a first passenger station and a second passenger station along the track, two indicators at said second station each designating the approach of a train and each identifying the approaching train in accordance with the route it is to take, a first relay for controlling one of said indicators, a second relay for controlling the other of said indicators, a track relay and a manually operable device at said first station, means controlled by said track relay for operating said first relay, and means controlled by said device for operating said second relay.

2,184,545
BELT PULLEY
William B. Collier, Talmage, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 12, 1938, Serial No. 190,280
2 Claims. (Cl. 74—230.7)



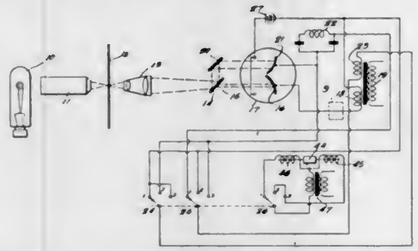
1. A belt pulley adapted to minimize belt-squeaking, said pulley comprising a supporting body of non-vitreous material having a concentric portion of approximately belt-supporting size and a thin, belt-contacting facing of vitreous material fused in place on said portion.

2,184,546
FILM IDENTIFYING APPARATUS
Milford E. Collins, Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1938, Serial No. 210,660
13 Claims. (Cl. 95—1.1)



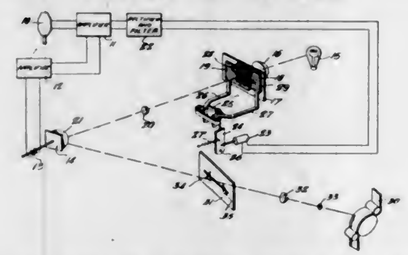
1. In an identifying device for motion picture film, the combination of a light-tight conduit for guiding a film to and from a translation point, means for photographing indicia on said film in said conduit, said indicia being adjustable exteriorly of said conduit, means for adjusting said film in a predetermined plane for photographing said indicia thereon, means in said conduit for removing a portion of said film, and means for simultaneously operating said photographing means, said film removing means and said film adjusting means.

2,184,547
SOUND RECORDING AND REPRODUCING
Glenn L. Dimmick, Eriton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1937, Serial No. 128,072
8 Claims. (Cl. 179—100.3)



1. The method of sound reproduction comprising the steps of scanning an image of the sound track in a narrow line to reproduce high frequencies and simultaneously scanning an image of the same sound track area in a wider line to reproduce low frequencies.

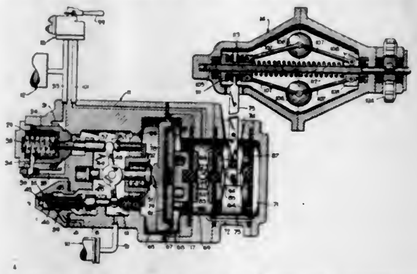
2,184,548
RECORDING OF ELECTRICAL IMPULSES
Glenn L. Dimmick, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1938, Serial No. 215,910
10 Claims. (Cl. 179—100.3)



1. An electrical impulse recorder including means for producing a plurality of light beams, means for differently polarizing said beams, means for modulating said beams in accordance with the impulses to be recorded, and means for varying the areas of said beams in accordance with the level of said impulses.

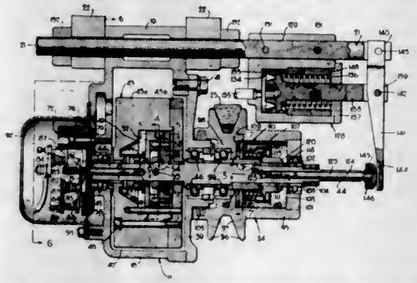
2,184,549
SPEED CONTROLLED BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 19, 1938, Serial No. 191,499
5 Claims. (Cl. 303—21)

1. A vehicle brake equipment comprising a brake cylinder, a self-lapping valve mechanism including a movable abutment subject in opposing relation to a control fluid pressure and to brake cylinder pressure, said valve mechanism being operative in response to the control fluid pressure acting on the abutment to establish a fluid pressure in the brake cylinder corresponding to said control pressure, a second abutment unconnected with the first said abutment and movable in a direction to exert a force on the first said abutment supplementing that of the control fluid pressure, and means controlled by



the speed of the vehicle for effecting movement of said second abutment in said direction.

2,184,550
RETARDATION CONTROLLER
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 26, 1938, Serial No. 226,887
16 Claims. (Cl. 303—21)

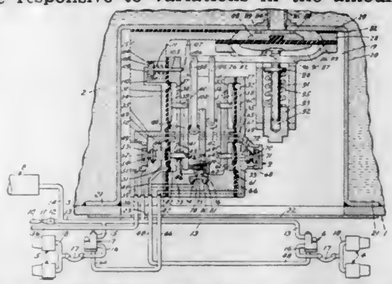


1. A rotary inertia device comprising a rotary shaft, a rotary inertia element, means providing a resilient driving connection between said shaft and inertia element permitting rotary movement of the inertia element relative to the said shaft only when the rate of change in rotative speed of said shaft exceeds a certain rate, switch means operated in response to relative rotative movement between said shaft and said inertia element, a rotary member, a clutch device conditionable at one time so as to maintain a fixed rotative driving relation of the rotary member to the said shaft and conditionable at another time so as to permit relative rotary movement between the said rotary member and shaft, and additional means under the control of said switch means for varying the condition of said clutch device.

2,184,551
VARIABLE LOAD BRAKE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 10, 1937, Serial No. 147,456
36 Claims. (Cl. 303—22)

1. In a variable load brake equipment for a vehicle having a load carrying body and two trucks, in combination, a mechanism operative to effect an application of the brakes on both trucks and to provide a heavier degree of braking on the heavier weighted truck and a lighter degree of braking on the lighter weighted truck, said mechanism being adjustable to vary the de-

gree of braking on each truck, and a single device responsive to variations in the amount of



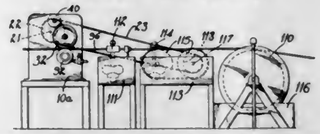
load carried by the body of the vehicle for adjusting said mechanism.

2,184,552

MACHINE FOR MARKING ELECTRIC CONDUCTORS

Anthony P. Hinsky, Brooklyn, N. Y., assignor to Pyro Products Corporation, Brooklyn, N. Y., a corporation of New York

Application April 9, 1938, Serial No. 201,096
4 Claims. (Cl. 101—37)



1. In a printing machine for printing on the colored coating of an electric conductor directly after the color coating has been applied to the conductor, a hollow casing, a driven type wheel of an exact predetermined diameter arranged outwardly of the casing and having type characters on the periphery thereof, means for supplying and distributing a regulated flow of ink to the type characters of said wheel, a grooved guide wheel arranged outwardly of said casing for supporting and alining the conductor with respect to the periphery of said type wheel, means for adjusting the guide wheel vertically to maintain predetermined positions with respect to the periphery of the type wheel to compensate for coated conductors of different sizes, said means comprising an adjustable stop limiting movement of the guide wheel in the direction of the type wheel, an adjustable speed drive pulley arranged outwardly of the opposite side of the casing, and means within the casing driven by said pulley to operate said first named means and said type wheel, the latter in synchronism with the feed of the conductor so as to equalize the surface speed of the periphery of the type wheel with the surface speed of the conductor to produce clear, clean cut impressions or markings on the conductor by means of the type characters on the type wheel.

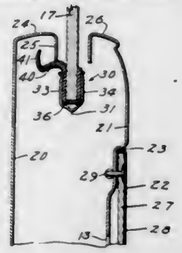
2,184,553

COMBINED WINDOW WEATHER STRIP AND DRAIN

Philip C. Johnson and Edgard C. De Smet, Toledo, Ohio, assignors, by mesne assignments, to Reconstruction Finance Corporation, Cleveland, Ohio, a corporation of the United States

Application June 29, 1937, Serial No. 150,994
1 Claim. (Cl. 296—44)

In combination, a window frame; a glazed pane slidably mounted for vertical movement therein; said frame having a window sill portion including a downwardly extending flange; a sash for the lower edge of said pane comprising a channel shaped sheet metal member; a rubber cushion element having a portion of U-shaped cross section interposed between the metal channel member and said pane; said rubber cushion having a laterally extending horizontally arranged por-



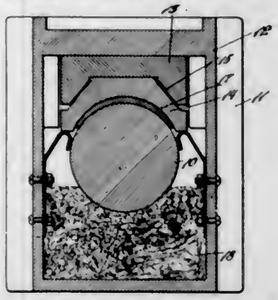
tion terminating in an upwardly projecting flange portion extending substantially parallel with the plane of said pane, said last mentioned flange and horizontal portions forming with said pane a trough-like configuration; said horizontally extending portion of said rubber cushion adapted to engage the downwardly extending flange of said sill when the pane is in closed position.

2,184,554

WASTE GRAB PREVENTER

Albert G. Kenyon, Wyoming, R. I.

Application July 14, 1937, Serial No. 153,497
12 Claims. (Cl. 308—89)



1. In combination with a journal, a journal box having a brass through which the weight applied to the journal box is supported on the journal, an arm in close proximity but spaced from the journal supported by said journal box, said arm being in contact with said brass, said parts being so arranged that a movement in one direction by said brass will move said arm into contact with the journal to prevent the passage of waste from a position below said arm to a position above said arm and beneath said brass.

2,184,555

MANUFACTURE OF ALIPHATIC ACIDS

William O. Kenyon, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 22, 1936, Serial No. 101,985
11 Claims. (Cl. 260—530)

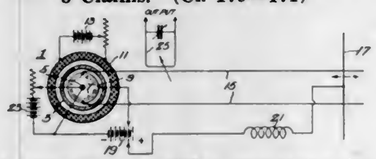
7. A catalytic process for treating aqueous alcohol solutions which comprises reacting a mixture containing aliphatic alcohol, aliphatic aldehyde, and water, in the presence of a copper, zinc, manganese alloy catalyst, maintaining the reaction at a temperature between 250 to 400° C. whereby vapors containing aliphatic acid and hydrogen are produced, subjecting the vapors to treatment which removes acid therefrom and permits hydrogen, unreacted alcohol and aldehyde to pass on, subjecting the hydrogen-containing vapors to treatment which removes the unreacted components therefrom and returning the unreacted components into further contact with the alloy catalyst.

2,184,556

MICROWAVE ELECTRONIC AMPLIFIER

Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application July 25, 1936, Serial No. 92,561
8 Claims. (Cl. 179—171)



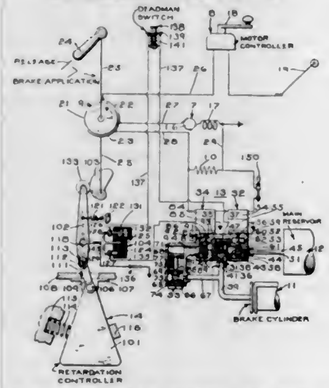
1. A microwave amplifier comprising in combination a magnetron amplifier having cathode and anode electrodes, a tunable circuit connected to said electrodes, means for impressing a magnetic field on said magnetron, means for impressing incoming carrier currents on said tunable circuit, and an output circuit coupled to said tunable circuit at a point of R. F. potential, whereby amplified currents substantially of the frequency of said carrier currents are available at said output circuit.

2,184,557

BRAKE SYSTEM

David W. Lloyd, Webster Groves, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 26, 1937, Serial No. 150,503
14 Claims. (Cl. 303—3)



1. In a vehicle brake system, an electric brake equipment, a fluid pressure brake equipment, manually operative means for effecting an application of the electric brakes, a magnet valve mechanism for controlling the degree of braking force effecting an application of the fluid pressure brakes, a retardation controller operated by the manually operative means to cause operation of the magnet valve mechanism to initiate an application of the fluid pressure brakes, and operative in response to the retardation of the vehicle to cause operation of the magnet valve mechanism to so control the degree of braking force effecting application of the fluid pressure brakes as to regulate the retardation of the vehicle to a substantially constant rate, and means effective as long as the electric brakes exert more than a certain degree of braking effort for rendering the magnet valve mechanism ineffective to initiate or control the degree of braking force for an application of the fluid pressure brakes in response to the operation of said retardation controller.

2,184,558

PROCESS OF RECOVERING SODIUM TETRABORATE FROM BORATE ORES

Plato Malozemoff and Merrill W. MacAfee, Oakland, and Miles W. Kirk, Berkeley, Calif., assignors to Pacific Coast Borax Company, a corporation of Nevada

No Drawing. Application May 18, 1937, Serial No. 143,346
5 Claims. (Cl. 209—11)

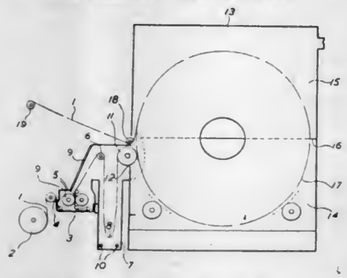
1. The process of treating borate ores containing sodium tetraborate and minerals non-soluble in water which consists in mixing the ore in a finely divided condition with a saturated solution of sodium tetraborate and then subjecting the pulp to a froth flotation treatment in the presence of a reagent having a preferential affinity for the sodium tetraborate, said reagent consisting of barium chloride and a fatty acid.

2,184,559

TREATMENT OF TEXTILE AND OTHER MATERIALS

Albert Mellor, George Bingham, and William Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application February 4, 1937, Serial No. 124,138
In Great Britain February 6, 1936
9 Claims. (Cl. 8—145)



3. Process for the fixation, on materials having one dimension small in relation to another and having a basis of an organic derivative of cellulose, of an organic coloring matter having direct affinity for the material, which comprises subjecting the material carrying the coloring matter to the action of the saturated vapor of an organic liquid which is chemically inert towards the coloring matter.

2,184,560

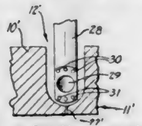
METHOD OF AND APPARATUS FOR FORMING SHAPED EDGE ON METAL MEMBERS

Herbert H. Moss, Brooklyn, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application March 28, 1935, Serial No. 13,392
Renewed November 2, 1938
16 Claims. (Cl. 148—9)

9. A method of forming a shaped edge on a metal member, which comprises progressively ap-

plying a low velocity oxygen machining jet along said member, and simultaneously progressively



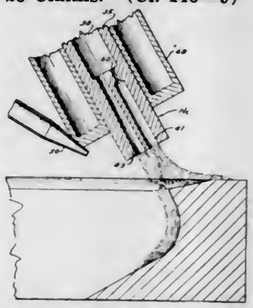
applying a high velocity cutting oxygen jet to said member behind said machining jet.

2,184,561

METHOD OF AND APPARATUS FOR CUTTING METALS

Roger S. Babcock, Newark, N. J., and John M. Gaines, Jr., Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio

Application February 11, 1937, Serial No. 125,212
25 Claims. (Cl. 148—9)



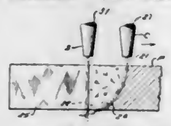
1. A method of cutting metallic bodies at high speed, which comprises heating the metal to the kindling temperature, and progressively applying oxidizing gas upon the heated surface in such a manner that a portion of said oxidizing gas produces a deseaming puddle on the surface of the metallic body so as to preheat the metal effectively for complete severing, and the remainder of said oxidizing gas progressively penetrates through the parts of said metallic body at the rear of said puddle to produce a kerf therein.

2,184,562

PROCESS OF FLAME-CUTTING METAL

Harry E. Rockefeller, Rye, N. Y., and John H. Rountree, Elizabeth, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application May 29, 1937, Serial No. 145,470
17 Claims. (Cl. 148—9)



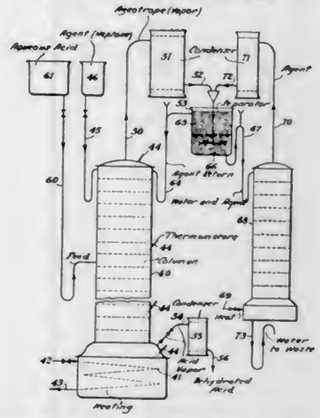
1. In the process of cutting metal wherein an oxidizing jet is advanced relatively to the metal to be cut at such a speed that the resulting kerf walls are left irregular and rough; the step comprising concurrently advancing a smoothing jet of oxidizing gas along and substantially aligned with the central plane of the kerf at a point behind said first jet to trim a thin layer from one of said walls, said smoothing jet having a cross-section substantially equal to the maximum deviation of said irregular wall from a plane surface.

2,184,563

PROCESS FOR CONCENTRATING ACETIC ACID

Donald F. Othmer, Brooklyn, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Original application February 6, 1931, Serial No. 513,989. Divided and this application April 12, 1935, Serial No. 16,052
8 Claims. (Cl. 202—42)



2. The process of concentrating aqueous acetic acid which comprises mixing therewith not more than the right amount of at least one water withdrawing agent selected from the group consisting of heptane and dioxan to form an azeotropic mixture with the water in the aqueous acetic acid and distilling water and withdrawing agent from the mixture.

2,184,564

MANUFACTURE OF CELLULOSE DERIVATIVES

Horace Finningley Oxley, Edward Boaden Thomas, and John Downing, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application March 17, 1937, Serial No. 131,388. In Great Britain April 22, 1936
10 Claims. (Cl. 260—231)

1. Process for the manufacture of cellulose ethers containing hydroxy-alkyl or carboxy-alkyl groups, which comprises impregnating the cellulosic materials with an aqueous solution of a base in a concentration of 10 to 16%, subjecting the impregnated materials to a treatment under reduced pressure to remove water until the concentration of the base in the aqueous solution which is present on the materials is of the order of 25 to 35%, and then etherifying the materials with a hydroxy alkylating or carboxy alkylating agent.

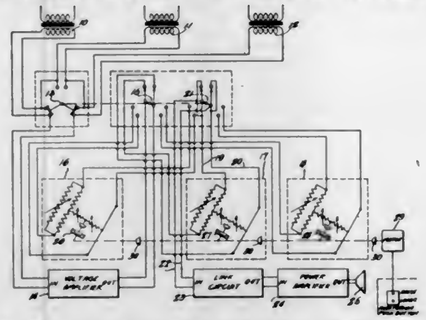
2,184,565

SOUND PICTURE APPARATUS

Joseph S. Pesce, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 21, 1938, Serial No. 203,354
6 Claims. (Cl. 179—1)

1. Apparatus of the class described including a plurality of electrical sound reproducers, a power amplifier, a voltage amplifier, a plurality of volume control devices corresponding in number with the sound reproducers and arranged to be connected between said voltage amplifier and said power amplifier, and means for simultaneously selecting one of said sound reproducers



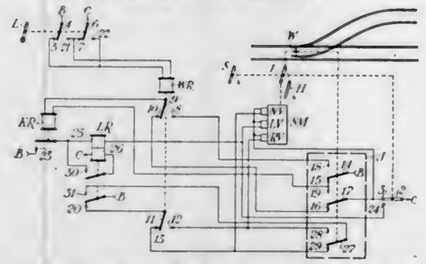
and the corresponding volume control device, said means including interconnected switches between said sound reproducers and said voltage amplifier, and betwen said voltage amplifier and said volume control devices.

2,184,566

RAILWAY TRACK SWITCH CONTROLLING APPARATUS

George R. Pflasterer, Greenville, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application October 19, 1938, Serial No. 235,825
7 Claims. (Cl. 246—219)



6. The combination with a two position manually controlled switch relay and a railway switch having a two position selector lever effective in but one position to condition the switch for power operation, and an indication relay controlled by the switch and the switch relay and arranged to be energized when and only when the switch is conditioned for power operation and the switch relay agrees in position with the switch, of a lock relay having a pick-up circuit and a stick circuit each of which includes a contact of the indication relay but only a selected one of which includes also a contact controlled by the selector lever and closed only in a particular one of its positions, and power operating means controlled by said lock relay for moving the switch to a position of correspondence with the switch relay.

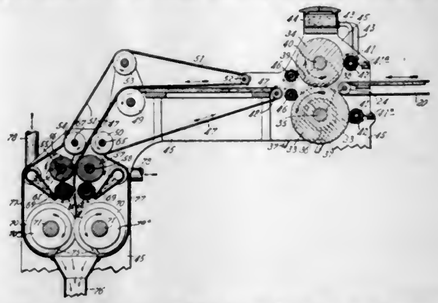
2,184,567

CIGARETTE TOBACCO PREPARATION

Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application December 18, 1935, Serial No. 55,010
25 Claims. (Cl. 131—123)

1. In a machine of the character described, the combination with a shredding device comprising a plurality of gangs of interengaging shearing disks in face to face contact arranged to cut tobacco leaves into shreds of a width suitable for cigarette manufacture, of a cross cutting device arranged to



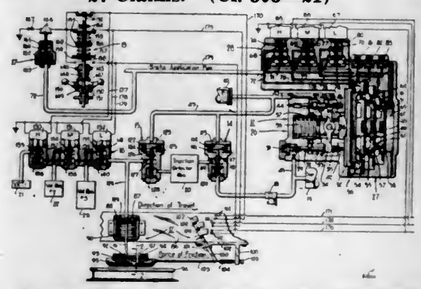
cut the tobacco into long, broad strips, and means to feed the broad strips under control, while said strips are maintained transversely of the direction of cut of said disks, into the range of action of said disks, preliminary to said shredding operation.

2,184,568

BRAKE CONTROL DEVICE

Jay Warren Stauffer, East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 15, 1937, Serial No. 179,929
27 Claims. (Cl. 303—21)



1. In a vehicle brake system, in combination, a brake cylinder, valve means for progressively reducing in predetermined steps the pressure of fluid supplied to said brake cylinder, an element carried by the vehicle and being adapted to be depressed into and held in engagement with a track rail as the vehicle moves therealong, and means controlled by the force of friction between said element and said rail for controlling said valve means.

2,184,569

SIGNAL OR CLIP

Robert A. Stewart, Watertown, Mass., assignor to George B. Graff Company, Cambridge, Mass., a corporation of Massachusetts

Application January 9, 1939, Serial No. 249,830
3 Claims. (Cl. 24—259)

1. A signal or clip adapted to engage the edge of an index card or the like, comprising a pair of legs of unequal length connected together at one end and in juxtaposed position to receive and grip a card inserted therebetween from the opposite end, the longer leg having a recessed portion at one edge thereof opposite the end of the shorter leg, said recess providing a space be-

tween the longer leg and the end edge of the shorter leg to facilitate entry of a card edge under the portion of the free end of the shorter

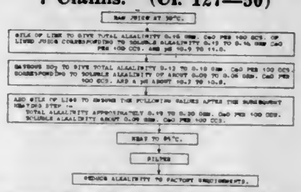


leg overlying said recess, said longer leg also presenting a substantially flat surface below said recessed portion.

2,184,570

PURIFICATION OF SUGAR FACTORY AND REFINERY JUICES

Dario Teatini, Hougaerde, Belgium
Application September 2, 1938, Serial No. 228,241
In Great Britain September 3, 1937
7 Claims. (Cl. 127—50)

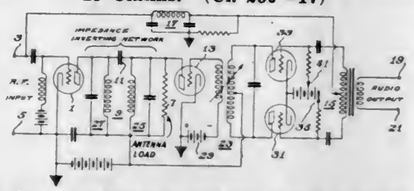


1. A process for the purification of sugar juices which comprises adding lime or equivalent alkali to the juice in amount sufficient to bring the said juice to the point of optimum pH within the isoelectric zone in the alkaline range of the colloidal impurities to be flocculated, adding sulphur dioxide or equivalent acidic reagent so as to bring about a reduction in pH value of the juice while still maintaining the pH value within the said isoelectric zone and then adding lime or equivalent alkali to the juice in such amount as to confer on the juice that soluble alkalinity at which the removal of the flocculated impurities from the liquid takes place most rapidly.

2,184,571

MODULATION SYSTEM

Arthur W. Vance, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1938, Serial No. 210,304
13 Claims. (Cl. 250—17)



1. In a modulation system which includes a first vacuum tube for supplying main carrier currents to a load and an auxiliary tube supplying auxiliary carrier currents to said load whose phase with respect to said main carrier currents is controlled by a modulating voltage, the plate of said auxiliary tube being subject to varying potentials due to the main carrier currents in said load, the method of maintaining substantially uniform operating conditions for said auxiliary tube in the presence of said varying plate potentials, which includes the step of controlling the plate current of said auxiliary tube by a radio frequency bias, said bias having a phase which tends to oppose a change in the plate current of said auxiliary tube due to said variation.

2,184,572

UPHOLSTERY EDGE

Joseph S. Wainess, New York, N. Y.
Application September 26, 1938, Serial No. 231,710
2 Claims. (Cl. 5—260)

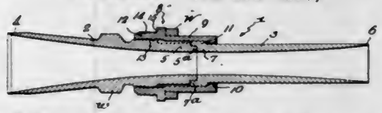


2. An upholstery edge comprising an elongated preformed body member of resilient material, substantially spiral-shaped in cross-section, having a pair of opposed jaws defining a channel therebetween, said opposed jaws being of unequal length, one thereof being thicker and longer than the other thereof.

2,184,573

FORCER TUBE

Frederick W. Walch, Newton Center, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application April 26, 1938, Serial No. 204,271
12 Claims. (Cl. 103—277)



1. A forcer tube for use in an injector casing of the kind which has an annular abutment shoulder for centering and positioning the tube, the shoulder having a substantially radial stop surface, said tube comprising a convergent combining section and a divergent delivery section independent of the combining section, the smaller ends of said sections having accurately finished abutting surfaces, the sections collectively forming a continuous passage devoid of lateral outlets, and a tube-supporting sleeve device independent of but embracing the tube sections at their smaller end portions and bridging the joint between them, the sleeve device having an external shoulder constructed and arranged to engage the annular abutment shoulder of the casing, said external shoulder of the sleeve device having an abutment surface which is complemental to the stop surface of said internal shoulder with which it engages.

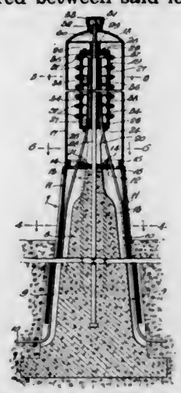
2,184,574

BURIED CABLE TERMINAL

Herbert G. Addie, Cresco, Iowa
Application April 12, 1938, Serial No. 201,603
3 Claims. (Cl. 174—60)

2. A cable terminal comprising a vertically elongated box-like structure having integrally attached laterally spaced vertically elongated supporting legs, said structure comprising two parallel vertical side plates, top and bottom plates integral with said side plates and rigidly connecting the same, a central vertical tube extending between said top and bottom plates through which to pass an anchoring rod, said tube being integrally joined to said top and bottom plates, and two additional side plates extending between

and detachably secured against the edges of the first mentioned side plates, said bottom plate being apertured between said legs to permit upward insertion of a cable into said box-like structure, said additional side plates being provided with terminals to which the cable wires may be connected.



2,184,575

DRYING OINTMENT

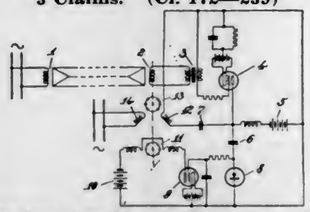
Reinhard Beutner, Philadelphia, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 24, 1937, Serial No. 132,719. In Germany August 21, 1933
11 Claims. (Cl. 167—63)

5. A drying, substantially non-separating ointment base capable of being spread as a continuous film upon the skin, comprising a solution, in a volatile solvent, of a film-forming material, and a substantially stable suspension, in such solution, of a material insoluble therein, one of said materials being a condensation product of a phenol and a member of the group consisting of aldehydes and ketones capable of forming resinous condensates with the phenol, and the other being a condensation product of a urea and an aldehyde, the proportion of solvent and of solid material being such that the preparation is of plastic, non-flowing consistency.

2,184,576

SYSTEM FOR THE ELECTRICAL TRANSFER OF ROTARY MOTION

Konrad Beyerle, Kiel-Neumuhlen, Germany, assignor to Anschütz & Co. G. m. b. H., Kiel-Neumuhlen, Germany
Application October 15, 1938, Serial No. 235,263
In Germany October 21, 1937
3 Claims. (Cl. 172—239)

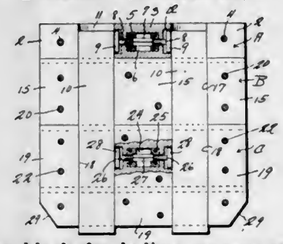


1. A system for the electrical transfer of rotary motion comprising a sender, a receiver connected thereto by electrical conductors, a reversible electric motor drivingly connected with and controlled by said receiver to reproduce any rotation of said sender, an eddy current brake connected with said electric motor and including a field winding, and means controlling said brake so as to counteract hunting of said motor, said controlling means comprising a thermionic valve controlling the energization of said field winding, and electrical connections extending between the terminals of said electric motor and said valve and causing the latter to energize said brake when the control voltage applied to said motor equals or approaches zero.

2,184,577

DIVISION BLOCK FOR BALING PRESSES

John H. Blakemore, Chicago, Ill.
Application April 2, 1938, Serial No. 199,723
1 Claim. (Cl. 100—24)

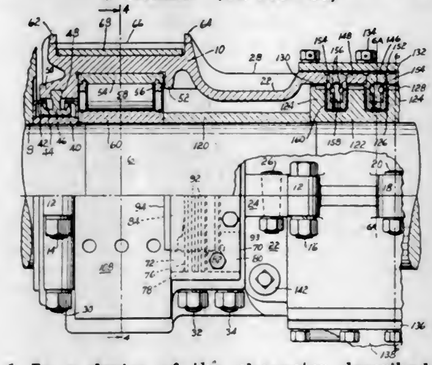


A divider block for baling presses comprising a plurality of separable sections adapted to be arranged edge to edge, each of said sections comprising horizontal boards arranged side by side, spacer members between the end and the central portion of the boards, said spacer blocks being spaced apart to provide openings, the openings of one section aligning with the openings of the other sections, holding strips freely insertible through the openings of the sections, clamping members carried by certain of the spacer blocks for contact with the adjacent edge faces of the applied strips and coacting with the opposed walls of the openings for maintaining the sections in assembled relation, and means for moving the clamping members toward or from the strips, the blocks carrying the clamping members having recesses in which said clamping members are housed when the clamping members are substantially fully retracted.

2,184,578

AXLE AND HOUSING CONSTRUCTION

Richard J. Brittain, Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 29, 1937, Serial No. 166,274
9 Claims. (Cl. 105—80)



1. In a device of the character described, a

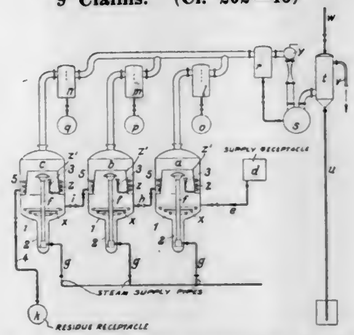
frame having a pedestal, an axle housing having a pedestal flange with a socket open towards the pedestal, a block shiftable laterally in the socket, upper and lower arms on the pedestal flange for guiding and supporting the block, the arms having notches open to the side, and a leaf spring having its middle portion engaging the block and its end portions projecting beyond the block and adapted for lateral entry into the open notches of the arms; substantially as described.

2,184,579

DISTILLATION OF MIXTURES OF HIGH BOILING POINT LIQUIDS

Otto Brücke, Hochspeyer, Pfalz, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

Application June 2, 1937, Serial No. 146,068
In Germany June 24, 1936
9 Claims. (Cl. 202—46)



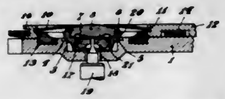
1. A method for the continuous distillation of mixtures of a plurality of substances which have different boiling points, in at least two serially arranged vaporization stages, which comprises forcing up the mixture to be distilled from the liquid space into the vapour space of the distilling vessel in every stage, constantly diverting a portion of the forced up liquid without intermingling with the liquid remaining in the liquid space into the next still, separately condensing the distillate vapours obtained in each still, and adjusting the vaporization temperatures in the various vaporization stages to different values for the purpose of continuously extracting the distillates in two or more fractions.

2,184,580

CAP JEWEL BEARING FOR CLOCKWORK MECHANISM

Henri Colomb, Lausanne, Switzerland

Application May 25, 1938, Serial No. 210,075
In Switzerland January 9, 1936
3 Claims. (Cl. 58—140)



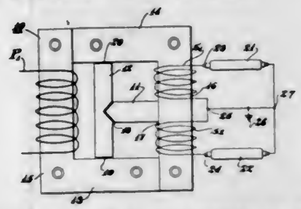
1. In combination with a pivot bearing for watch movement spindle, a frame member having a recess provided at its bottom with a central aperture, a spindle extending freely through said aperture, a removable pivot bearing loosely carried in said recess and including a perforated member and a cap member so mounted as to remain firmly attached to each other whatever the thrusts on the pivot, said removable bearing extending into close proximity to the bottom face of the recess so as to coact therewith for limiting the rocking movement of the bearing in the recess, one pair of cooperating annular seating elements provided on the removable bearing and on the upper part of the recess respectively and comprising at least one conical surface, and a resilient member yieldingly holding the removable bearing in contact with the seating element of the recess and tending to center said bearing in the frame member.

2,184,581

HIGH LEAKAGE REACTANCE TRANSFORMER

James A. Comstock, Cleveland, Ohio, assignor to The Acme Electric & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application August 31, 1935, Serial No. 38,756
3 Claims. (Cl. 171—119)



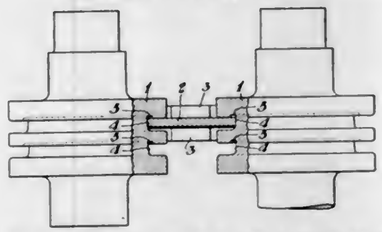
1. A transformer that is adapted to energize an electrical load having a variable resistance comprising, in combination, magnetic core means having four sides, a primary winding disposed to surround one of the sides, two spaced secondary windings disposed to surround the side that is opposite the side which the primary winding surrounds, and a T-shaped magnetic shunt having the base of the said shunt positioned in magnetic relation with the magnetic core means between the two spaced secondary windings and having the ends of the arms of the said shunt positioned respectively in magnetic relation with the other two sides of the magnetic core means.

2,184,582

EDGE ROLLING

Howard D. Cook, Elyria, Ohio, assignor to National Tube Company, a corporation of New Jersey

Application April 8, 1937, Serial No. 135,803
4 Claims. (Cl. 80—31.1)



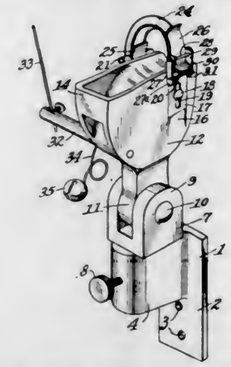
1. An edging roll stand for flat work and the like, including rolls providing rolling surfaces for the edges of the work and side walls for engaging one side of the work, said walls being circumferentially undercut at their junctions with said surfaces to provide clearance for the corners of the work and said surfaces having sufficient widths to permit rolling of work of different thicknesses, adjustable guide means being provided to guide the work against said walls.

2,184,583

FISHING ROD HOLDER

Michael Danko, Millfield, Ohio

Application April 25, 1938, Serial No. 204,001
5 Claims. (Cl. 248—42)



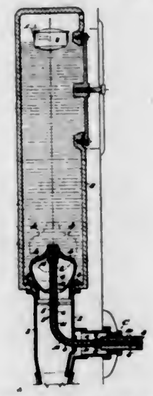
5. A fishing rod holder comprising a body having a longitudinally grooved upper surface, the depth of the groove at the forward portion of said body being increased to provide a socket, a wall extending transversely of said body to form an abutment at the forward end of the groove, registering guide means on opposite sides of said body adjacent the rear thereof, plate members adjustably secured in connection with said guide means, a hook member pivotally supported at one end by one plate, link means pivoted at one end to the other plate, motion limiting means provided on said link means, a clip pivotally supported intermediately of its ends by the free end of said link means, one end of said clip being formed for engagement with the free end of said hook member to hold it in a rod holding position, and means for mounting said body on a support.

2,184,584

WATER CLOSET VALVE MECHANISM

Hector Angel Dellachiesa, Buenos Aires, Argentina

Application November 16, 1938, Serial No. 240,843
4 Claims. (Cl. 4—67)



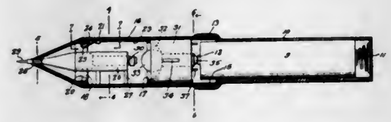
1. In a valve mechanism for water closets having a tank and a drain pipe extending downwardly therefrom, a floatable valve member arranged within the tank to close the drain pipe, a tube extending downwardly from the valve member and through the pipe wall, a plurality of balls arranged within the tube, each ball having a diameter substantially equal to the inner diameter of the tube, a rod carried by the valve member extending into an end of the tube adjacent the valve member, a manually operable bar extending into the other end of the tube for pushing the balls upwardly whereby an end ball within the tube engages said rod to move said valve member to an open position so as to float in the water of the tank, and means carried by the rod limiting the upward movement of the valve member.

2,184,585

WRITING INSTRUMENT

John J. Devine, Middletown, Conn.

Application September 24, 1937, Serial No. 165,593
Renewed November 8, 1939
1 Claim. (Cl. 240—6.46)



A writing instrument of the class described comprising a casing, a transparent cap of substantially conical shape rotatably engaging one end of the casing, a writing point carried by the outer end of the cap, means for projecting and retracting said writing point by turning movement of the cap, an electric lamp in the casing, a battery in the casing, a pair of conductors in the casing one connected with the lamp and the other with the battery, the front ends of said conductors being spaced apart and being of spring material to frictionally engage a portion of the cap and a contact strip carried by the cap for bridging said spaced ends of the conductors when the cap is in one position and being moved out of engagement with said ends when the cap is in another position.

2,184,586

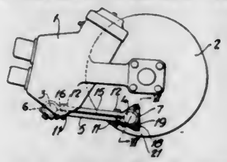
CONVERSION OF WASTE REGENERATED CELLULOSE TO CELLULOSE XANTHATE

Giuseppe Donagemma and Piero Donagemma, Milan, Italy, assignors to "Snia-Viscosa" Società Nazionale Industria Applicazioni Viscosa, Milan, Italy

No Drawing. Application June 22, 1938, Serial No. 215,271. In Italy July 23, 1937
1 Claim. (Cl. 260—217)

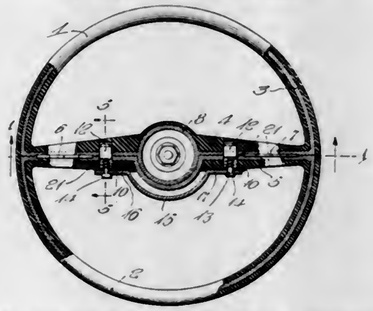
Process for manufacturing artificial textile fibres consisting in washing in running water and drying waste threads collected in the manufacture of rayon, treating said waste rayon threads in a caustic soda bath at 16 to 17.5% for about an hour to an hour and a half, wringing the waste threads to expel the excess of caustic soda, disintegrating the alkaline cellulose for about two hours at a temperature of 18 to 29° C., allowing said cellulose to ripen for 25 to 35 hours at said temperature, treating the ripened cellulose in a bath containing about 7 litres carbon sulphide to 100 kilo alkaline cellulose for about 1.5 to 2 hours while increasing the temperature to 22° to 24° C., and treating the resulting xanthogenate for about three hours in mixing machines containing 0.40 to 0.50% caustic soda per 130 liters of water to 100 kilo alkaline suphuretted cellulose to obtain a cellulose suitable for spinning.

2,184,587
SUPPORTING ARM DEVICE
Karl Helmer Ekstrand, Skarplinge, Sweden
Application May 3, 1938, Serial No. 205,861
In Sweden May 3, 1937
4 Claims. (Cl. 267—66)



1. A device in toggle joint springing means for motor vehicles including in combination a brake casing having an aperture the sides of which are of equal length, a plate introduced into the aperture and of a shape corresponding to the shape of the aperture, means for detachably fastening the plate within the aperture, a supporting arm extending from said brake casing, a spring casing at the outer end of the arm, fastening pins at the lower end of the spring casing and on the plate on the brake casing, a link having sleeve-like terminals the link and its sleeve-like terminals being slotted for facilitating quick engagement of the terminals with the pins, and means associated with the slotted link for tightening the sleeve-like terminals about the fastening means.

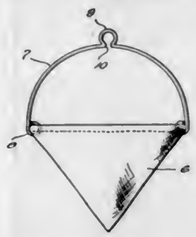
2,184,588
AUTOMOBILE STEERING WHEEL
Prentis E. Erickson, Minneapolis, Minn.
Application September 6, 1938, Serial No. 228,660
2 Claims. (Cl. 74—555)



1. An automobile steering wheel comprising a rim and a single transversely extending spoke, said rim and spoke being split on a medial line forming similar wheel sections, concealed hinges connecting said spoke sections at opposite sides of the hub portion of the wheel, a pair of latch members carried by one spoke section adapted to engage and be received within the other spoke section to lock the wheel sections together, said spoke sections being formed with alined sockets to receive the latch members, and an arcuate latch control handle for retracting the latches when it is desired to fold one section of the wheel upon the other wheel section.

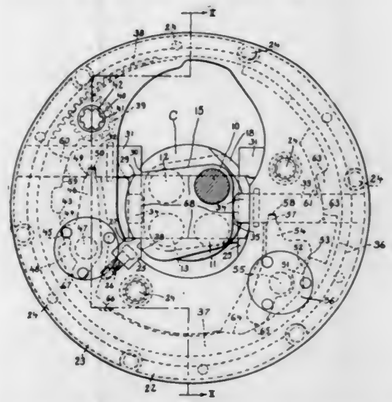
2,184,589
FISHLINE RELEASER
Charles H. Griffith, Miami, Fla.
Application September 26, 1938, Serial No. 231,826
4 Claims. (Cl. 43—30)

1. A fishline releaser of the class described comprising a bucket-like member and a bail for the member having a line attaching eye adapted



for attaching the bail to the line for slidably supporting the bucket-like member on the line.

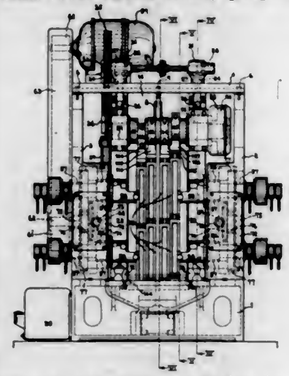
2,184,590
CRANKSHAFT CHUCK
William F. Groene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application June 27, 1938, Serial No. 216,016
23 Claims. (Cl. 82—40)



1. In a chuck, a rotatable chuck body, fixed locating abutment means in said body, movable locating abutment means in said body, cooperating clamping means in said body, and means for actuating said movable locating means, and said clamping means in a predetermined sequential relationship to effect gripping of a work piece in said chuck.

2,184,591
ORBITAL LATHE
William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application November 2, 1938, Serial No. 238,431
31 Claims. (Cl. 82—9)

1. In a lathe for orbital turning, a tool holder, a roughing tool and a finishing tool in the tool holder, means independent of the work piece being turned for causing said tool holder as a whole to move in an orbital path following the work, means dependent upon the work piece to move the cutting edge of said tools tangentially of the work surface being machined while said tool holder as a whole follows said orbital path, and means for feeding one or the other of said tools substantially perpendicular to



said tangential movement relative to said work surface.

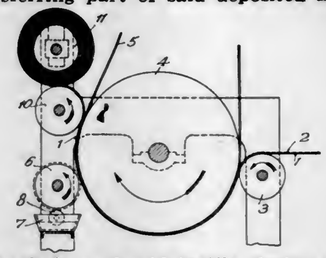
2,184,592
COLLAPSIBLE CONTAINER CLOSURE
Ted Harrison, Erwin, Tenn., assignor of one-half to A. L. Chavicourt, Erwin, Tenn.
Application October 21, 1938, Serial No. 236,313
1 Claim. (Cl. 221—60)



A closure for the neck of a collapsible tube comprising an internally threaded tubular cap for turning on and off said neck and provided with a circumferential groove in the base end thereof, an apertured lug adapted to be carried by the neck end of said tube, and a single piece cap holder of resilient wire comprising a ring at one end thereof loosely fitting in said groove to provide for free turning of said cap relative to the holder, said ring being split for spreading to insert the same in the groove and having overlapping stretches for maintaining the continuity of the ring under spreading, and a pair of parallel arms extending from said stretches and terminating in rightangled ends including trunnions rotatably mounted in opposite sides of said lug whereby the holder is swingable in opposite directions to move the cap toward and from said neck, said ends also including stop portions at right angles to said arms and trunnions for engaging the neck end of the tube to limit swinging of the holder in one direction.

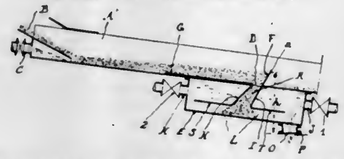
2,184,593
METHOD OF ORNAMENTING TEXTILES
Fridolin Hefti, Herisau, Switzerland, assignor to the firm Aktiengesellschaft Cilander, Herisau, Switzerland
Application August 25, 1936, Serial No. 97,850
In Switzerland June 5, 1936
1 Claim. (Cl. 41—36)

A method of ornamenting textiles, comprising the steps of applying loose ornamenting material to a face of a web of textile in a substantially contiguous layer, printing said textile with an adhesive for said material on the back face of said textile in conformity with the pattern to be produced by deposits of said material on the front face thereof, winding said textile immediately after the printing operation in a tight coil thereby transferring part of said deposited material



to the back face of said textile, drying the adhesive to permanently fix said ornamenting material in position on said textile on both faces thereof, and mechanically removing the surplus ornamenting material from both faces of said textile at the portions thereof where it is not adhered thereto.

2,184,594
QUANTITATIVE SEPARATION OF MATERIALS
Léon Hoyois, Gilly, Belgium
Application April 2, 1936, Serial No. 72,410. In Belgium, France, and Great Britain April 12, 1935
5 Claims. (Cl. 137—166)

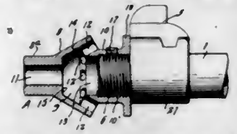


1. A process for treating materials in grains or pieces, such as minerals, coals and the like, to remove desired portions thereof, consisting in forming a liquid body with liquid currents therein and a discharge therefrom, forming a mass of said materials in the form of a current with a meeting zone between said body and said current of materials, by means of liquid currents of the body placing a liquid head on the discharge giving a predetermined discharge and a practically quiet state in the said meeting zone, placing at the said meeting zone the current of materials in a material separating condition relative to the said body, whereby a portion of the current of materials is allowed to enter the liquid body and, by means of the liquid currents of the body, mechanically separating out and carrying to the discharge a quantitative portion of the materials entering the liquid body.

2,184,595
RECOIL CONTROL OF FIREARMS
Robert H. S. Hughes, Baltimore, Md., assignor of one-half to Milton Roberts, Chicago, Ill.
Application January 10, 1936, Serial No. 58,574
5 Claims. (Cl. 89—14)

1. A recoil controlling device for guns adapted to fire projectiles comprising a body having a gas chamber therein and having a cylindrical bore, adapted to receive the muzzle end of a gun barrel, extending inwardly from the rear end of said device, the forward part of said bore

constituting part of said chamber, said device having a seal port at the forward end of said chamber in axial alinement with said bore and having an internal shoulder extending laterally from the inner end of the seal port to the side wall of the chamber, the side wall of the chamber flaring rearwardly and outwardly from the periphery of said shoulder and closing the forward part of the chamber adjacent said shoul-

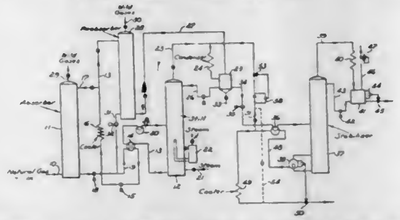


der against the lateral escape of gas, said device having a rearwardly facing external shoulder to the rear of the shoulder in the chamber and to the rear of the forward end of said cylindrical bore and having a plurality of discharge ports extending rearwardly and outwardly from said chamber, the outer peripheries of said ports being substantially in line with the periphery of said internal shoulder, and said ports extending through said external shoulder.

2,184,596
PROCESS OF TREATING GASES

Arthur John Lindsay Hutchinson, Palo Alto, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application April 14, 1937, Serial No. 136,894
4 Claims. (Cl. 196—8)



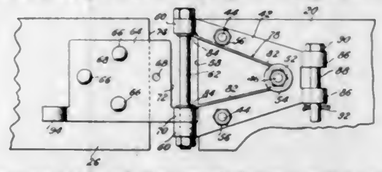
1. The process of treating gases, which comprises: flowing a stream of relatively light and heavy gaseous hydrocarbons through an absorption medium to extract therefrom hydrocarbons liquefiable at the operating temperatures and pressures, distilling the mixture to remove the absorbed hydrocarbons, condensing removed hydrocarbons, stabilizing the condensed hydrocarbons, and adding a portion of the stabilized hydrocarbons in cooled and liquid form to the hydrocarbons undergoing condensation to increase the ratio of the liquefied heavier constituents to the liquefiable lighter constituents with respect to their ratio in the absorption medium prior to distillation.

2,184,597
END GATE

Carroll M. Iglehart, Burtonsville, Md.

Application November 25, 1938, Serial No. 242,381
3 Claims. (Cl. 296—50)

1. In a truck body of the stake type, a platform having a stake pocket, an end gate having a stake removably receivable in said stake pocket for supporting the end gate in a closed position, a hinge connecting the end gate with the truck body at one corner of said platform, said hinge comprising a first part fastened to the end gate and a second part fastened to the truck body, said first part having an eye and said second part having a pair of eyes axially aligned therewith on opposite sides of the one eye, a hinge pin passing through the aligned eyes, said pair of eyes being spaced to permit said one eye to be shifted longitudinally of the hinge pin sufficiently far to bring the end gate stake in the clear of said pocket and subsequent pivotal movement of the end gate about the axis of the hinge pin to a position ad-

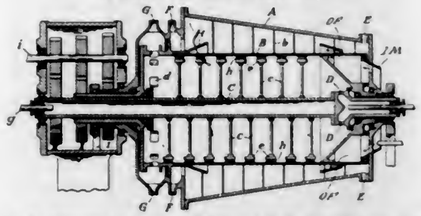


jacent one side of the truck body, and a spring bent back upon itself to provide two legs each having a loop at its free end, said loops loosely embracing said pin with one loop abutting said one eye and the other loop abutting one of said two eyes for urging the stake into said pocket.

2,184,598
DEVICE FOR THE SEPARATION OF SOLIDS OF VARIOUS PARTICLE SIZES CONTAINED IN A FLUID, ESPECIALLY IN THE MANUFACTURE OF STARCH

Georg Jahn, Arnswalde, Germany

Application April 27, 1937, Serial No. 139,322
In Germany April 29, 1936
7 Claims. (Cl. 233—2)



1. A device comprising a rotary screening drum having a coarse solids discharge outlet at one end thereof, a rotary coniform wall surrounding said drum in spaced relation and having a light fines discharge outlet at one end and a heavy fines discharge outlet at the other end thereof, means for introducing into said drum a volume of pulp or fluid from which substance of different particle sizes is to be separated, means for scraping coarse solids from the drum and feeding them toward the coarse solids discharge outlet, said coniform wall serving to collect heavy fines and direct light fines toward the light fines discharge outlet, means for scraping heavy fines from the wall and feeding them toward the heavy fines discharge outlet, a central shaft on which said coarse solids scraping means is supported, said heavy fines scraping means being carried by said drum, and means for rotating said shaft said drum and said wall, said drum being rotated at a speed differing from the speed of rotation of said wall and shaft for rendering said scraping means effective.

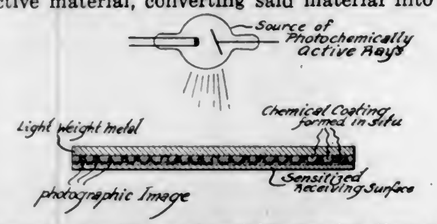
2,184,599
PHOTOGRAPHIC REPRODUCTION

Alexander Jenny, Berlin-Charlottenburg, Nikolai Budiloff, Berlin-Friedenau, Hans Becker, Berlin-Siemensstadt, and Kurt Anton, Berlin-Charlottenburg, Germany

Application January 18, 1936, Serial No. 59,786
In Germany February 10, 1933
6 Claims. (Cl. 250—65)

1. The process of making and reproducing photographic images on plates and films of

light-weight metals which comprises producing a chemical coating on a thin sheet of a light-weight metal, said coating consisting substantially of a chemical compound of said metal, impregnating said coating with a photochemically active material, converting said material into a



photographic image of variable density, then reproducing said photographic image by interposing said sheet between a source of X-rays and a receiving surface sensitive to such rays, said photographic image being composed of a material substantially less permeable to X-rays than said light-weight metal.

2,184,600
METHOD OF PRODUCING WATERPROOF AIR TRANSMISSIVE FABRICS FOR GARMENTS

Emil Knup and Franz Naef, Horn, Switzerland, assignors to the firm Textilwerk Horn A. G., Horn, Switzerland

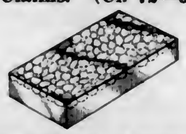
No Drawing. Application November 23, 1936, Serial No. 112,430. In Germany May 25, 1936
9 Claims. (Cl. 91—68)

2. The method of producing lightweight, air-transmissive, waterproof fabric for garments having high resistivity to impairment of its waterproof property from the effects of washing, comprising impregnating a textile fabric having small pores substantially of the size of the pores of a fabric of the type 70/70, 40/40 with liquid paraffin in a quantity insufficient, when dry, to close the pores of the fabric, drying the paraffin to solid state, then impregnating said fabric with from about 10 to 20 grams per square meter of vinyl acetate artificial resin, then impregnating the fabric with paraffin in liquid state, and then calendering the fabric at a temperature of about 25° C., at which temperature the paraffin and resin jointly will not become viscous so as to prevent spreading of the impregnants and closing the pores of the fabric from the effect of calendering.

2,184,601
MANUFACTURE OF CERAMIC WARE

Kamillo Konopicky, Krefeld-Linn, Germany

Application July 5, 1935, Serial No. 29,857
In Germany July 6, 1934
2 Claims. (Cl. 72—37)

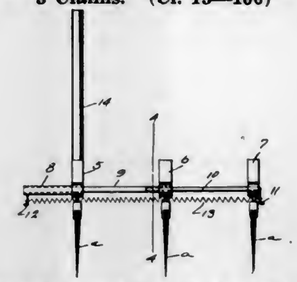


1. A ceramic building element resistant to spalling which comprises a base mass of ceramic material forming the main body portion of said element, and a surfacing material comprising bodies of ceramic material spaced at least at the portions of the said bodies adjacent the outer surface of the element, from the adjacent ceramic material by interfaces of dividing material of less tensional strength than the said base mass and which is non-reactive with the material of the adjacent surfaces at the temperatures to which it is subjected during the formation of the said element.

2,184,602
STRIPER

Roscoe C. Miller, Syracuse, N. Y.

Application July 7, 1938, Serial No. 217,986
3 Claims. (Cl. 15—166)

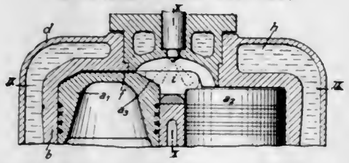


1. A striper comprising a plurality of brush-carrying units and means whereby the units can be adjusted to laterally spaced intervals, said means comprising tubes extending laterally from certain of the units and a rod extending from one end unit, said tubes and rod being disposed in telescopic relation.

2,184,603
SCAVENGING THE CYLINDERS OF DOUBLE-BORE CYLINDER COMBUSTION ENGINES

August Portmann, Winterthur, Switzerland, assignor to the firm Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland

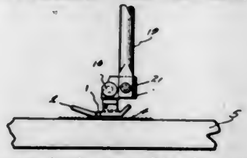
Application August 16, 1937, Serial No. 159,412
In Germany August 17, 1936
3 Claims. (Cl. 123—53)



3. In an internal combustion engine having a pair of cylinders connected by a common combustion chamber and successively scavenged by a vortex of air, means forming a combustion space extending substantially in a line joining the centers of the bores of said two cylinders at the upper end of the piston swept surfaces of said bores and provided with a cross-section lying in a plane extending transversely of said joining line centrally between said bore centers in parallelism with said bores, and having an oblong shape with rounded corners, the longitudinal axis of the oblong being directed substantially perpendicularly to said bores, for reducing the height of said combustion space and guiding the rotating masses of said vortex circumferentially of said cross-section into the succeeding cylinder bore, and means forming in said succeeding cylinder bore at the lower end of the piston swept surface thereof an exhaust opening, means forming exhaust passages, gas guide surfaces situated in said opening in advance of the outlet thereof and arranged circumferentially of said succeeding cylinder bore, a plurality of said exhaust passages being

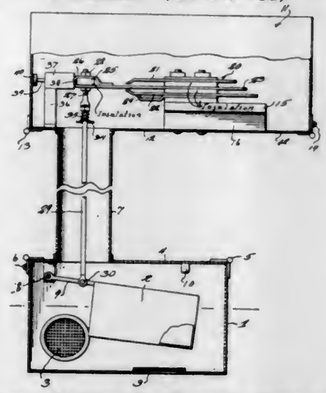
located in said outlet remote from the preceding cylinder bore and being arranged substantially flush at the top with other exhaust passages, the other exhaust passages being of greater vertical extent than said plurality of exhaust passages for uniformly distributing the discharge of gas around the circumference of said succeeding cylinder bore.

2,184,604
PRESSER FOOT
William W. Ray, Albuquerque, N. Mex.
Application November 26, 1938, Serial No. 242,583
2 Claims. (Cl. 112—235)



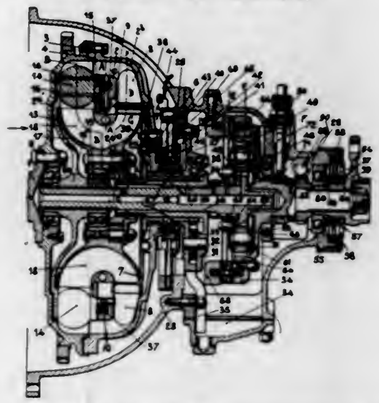
1. A presser foot assembly for attachment to the presser foot bar of a sewing machine comprising a socket member including a back, a pair of laterally spaced sides extending at right angles from said back, a flange on said back extending oppositely to said sides and offset from the vertical center of the back, means to attach the flange to said bar, a screw extending laterally through said sides, a post threadedly engaged with and depending from said screw below said socket, and a foot member on the lower end of said post, said post being adjustable laterally of said socket under manipulation of said screw.

2,184,605
FLOOD OPERATED SIGNAL DEVICE
Claude M. Roberts, Kinsley, Kans.
Application November 5, 1938, Serial No. 239,112
7 Claims. (Cl. 200—84)



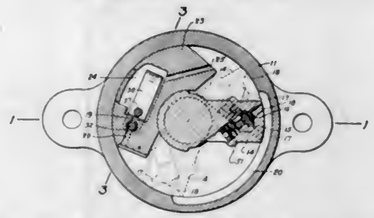
1. In an electric circuit controlling means of the character described, a pair of switch blades disposed in vertically spaced parallel relation and having two spaced free ends, a movable switch blade attached at one end between said first blades and extending between said spaced ends for a substantial distance beyond the latter, a float member, a rod coupling said float member with the extended end of said movable blade, said float member being designed to normally maintain a position where the movable switch blade lies between and separated from the ends of the first blades, and a normally retracted latching means which is so constructed and arranged as to automatically secure said movable blade when the latter is raised by the float into contact with the overlying one of the first-mentioned blades.

2,184,606
HYDRAULIC POWER TRANSMISSION
Dimitri Sensaud de Lavaud, Paris, France
Application March 21, 1936, Serial No. 70,161
In France March 25, 1935
1 Claim. (Cl. 192—3.2)



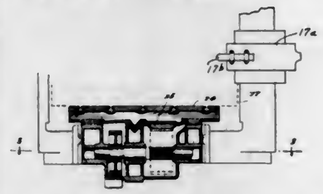
In a hydraulic device for transmission of movement, an enclosure adapted to contain a liquid, a driving shaft keyed upon the said enclosure, impelling blades upon the said enclosure and arranged substantially according to diametral planes, a driven shaft coaxial with the said driving shaft, a turbine device keyed onto the said driven shaft, blades mounted on the said turbine device, a guide vane ring, a movement selecting device connecting the said guide vane ring to the frame whereby the said guide vane ring is prevented from rotating in a direction reverse to the direction of rotation common to the said driving and driven shafts, an electromagnet including an armature and a winding connected respectively to the said turbine device and to the said impelling blades, a source of current connected to the said winding, a plurality of automatic switches interposed between the said source and the said winding and mounted in parallel between them, a manually operated switch for putting in circuit one of the said automatic switches, each of which is operative for a definite speed of rotation of one of said devices.

2,184,607
HYDRAULIC DOOR CHECK
Alfred Swanson, Los Angeles, Calif.
Application January 15, 1936, Serial No. 59,232
4 Claims. (Cl. 16—82)



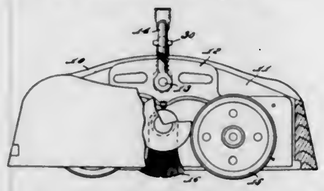
1. In an hydraulic door check, an enclosed working chamber, a reciprocative rotary piston acting within said chamber, a passageway communicating between the two portions of the working chamber on either side of the piston, an adjustable orifice in said passageway, means for thermostatically adjusting the opening of the orifice, a groove in the piston-contacting surface of the working chamber adapted to allow the flow of liquid around the piston during the middle portion of the piston stroke, and two by-pass conduits in said piston, each having one end terminating in the face of said piston in position to coact with said groove and having the other ends terminating on opposite sidewalls of the piston, and check valves in said conduits permitting the flow of liquid only from the groove end to the sidewall end of said conduits.

2,184,608
PLANER
Alfred Trosch, Rochester, N. Y., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of New York
Application November 30, 1938, Serial No. 243,264
4 Claims. (Cl. 90—34)



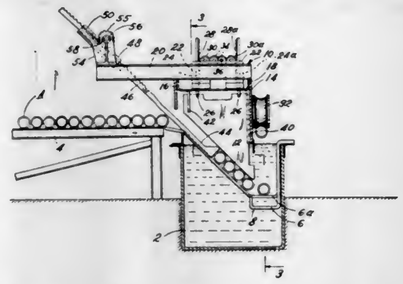
1. A planer comprising a reciprocating table, means for mounting a planing tool adjacent one side of said table, a relatively wide and heavy rack and gear meshing therewith located adjacent the side of the table where said tool is mounted and constituting the sole power transmission means to said table, and speed reducing gearing leading to the wide gear that meshes with said rack.

2,184,609
CARPET SWEEPER
Charles M. Youart, Shelbyville, Ind., assignor to Porter Steel Specialties, Shelbyville, Ind., a partnership consisting of Enos Porter, Hester Porter Fuller, Geo. M. Parker, and Charles M. Youart
Application August 14, 1937, Serial No. 159,045
5 Claims. (Cl. 15—41)



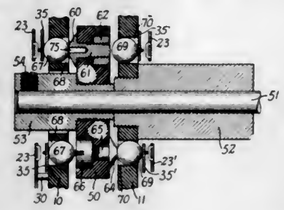
1. In a sweeper, the combination of the main casing having a handle-bail pivoted thereon on a fixed axis through which downward pressure may be applied to the casing, dust pans pivotally mounted in the casing, and a yoke movable independently of the bail and having depending arms connected with said dust pans, a portion of said yoke closely paralleling a portion of the handle-bail whereby said portions may be simultaneously grasped for operation of the yoke.

2,184,610
COATING APPARATUS
George T. Church, Butler, Pa., assignor to The Fretz-Moon Tube Company, Inc., Butler, Pa., a corporation of Pennsylvania
Application March 29, 1937, Serial No. 133,518
2 Claims. (Cl. 91—12.6)



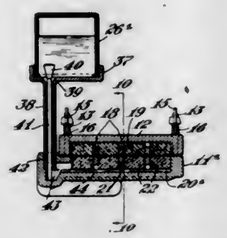
1. Apparatus for coating pipes comprising a tank for molten metal, means defining a passage-way along which pipes may travel broadside in sequence into the tank, means including reciprocating pusher rods for moving pipes along said passageway, means for positively reciprocating said pusher rods at the same speed in opposite directions, and means for varying the length of travel of said rods.

2,184,611
SWITCH
Leonard C. Cobbett, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application December 17, 1937, Serial No. 180,308
10 Claims. (Cl. 200—27)



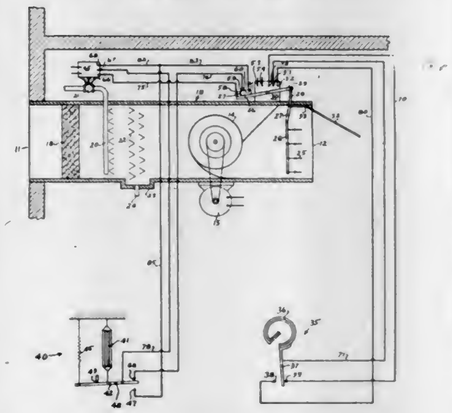
3. In a switch mechanism, in combination, a supporting base, an outer contact assembly carried by the base and spaced from a face thereof, the assembly including a body portion secured to the base and a plurality of flexible switch blades extending inwardly and terminating on a common circle, a plurality of under contact assemblies each related to but normally spaced from a switch blade of the outer assembly, the under assemblies each including a base portion secured to the base and a flexible switch blade extending inwardly and terminating on the common circle whereby the ends thereof underlie the ends of the switch blades of the outer assembly, the base being provided with a series of apertures arranged on the common circuit, each of which registers with a set of under and outer switch blade ends, means operatively disposed in said apertures for moving the ends of the blades of one of said assemblies into engagement with the adjacent ends of the blades of the other assembly, and means for periodically engaging and actuating said last-named means.

2,184,612
LUBRICATING HOLDER FOR KNIVES
Charles F. Eaton, Methuen, Mass., assignor of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York
Application March 8, 1938, Serial No. 194,611
4 Claims. (Cl. 91—38)



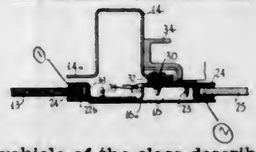
1. A lubricating holder for knives and the like applying tools, comprising a base member having a recessed area and a plurality of rails extending across and in spaced relation to the bottom of said recessed area, absorbent material interposed between said rails, means for supporting absorbent material in substantially contiguous relation to the absorbent material carried by said base member, a lubricant supply reservoir, and means for feeding lubricant from said reservoir to said recessed area.

2,184,613
EVAPORATIVE COOLING SYSTEM
Everett B. Evleth, Bryn Mawr, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 23, 1938, Serial No. 197,689
13 Claims. (Cl. 236—44)



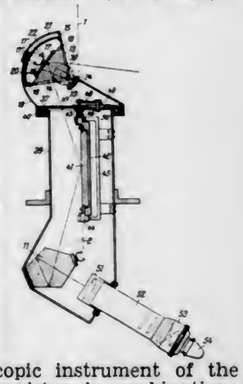
5. In a cooling system, means for spraying water in the space to be cooled whereby the evaporation of the water causes a reduction in the temperature of the air in said space, and means responsive to the temperature and humidity in said space for causing operation of the spraying means only when the temperature in the space is above a predetermined value and the humidity in the space is below a predetermined value.

2,184,614
VEHICLE CONSTRUCTION
William W. Farr, Penn Valley, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 7, 1937, Serial No. 135,391
11 Claims. (Cl. 105—329)



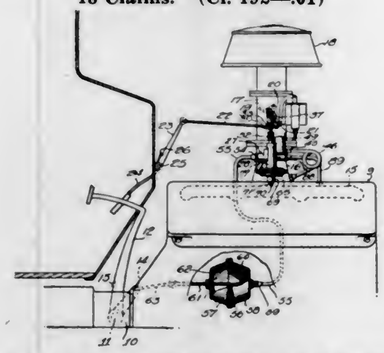
1. In a vehicle of the class described, having a window support formed by the body structure, a window frame adapted to be fixedly secured to said support, said securement including a plurality of headed attaching means projecting through said support and into said frame, and a moulding comprising a curtain guide covering the external heads of said attaching means.

2,184,615
OPTICAL DEVICE
Wolfgang Günther, Berlin-Friedenau, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application March 9, 1937, Serial No. 129,950
In Germany March 9, 1936
3 Claims. (Cl. 88—68)



3. A periscopic instrument of the character described comprising, in combination, a substantially vertical stationary housing; a supporting casing mounted on the upper end of the housing for turning movement about a substantially vertical axis and having a portion offset laterally with respect to the vertical axis of the housing; a reflecting prism mounted in the offset portion of said casing for tilting movement about a substantially horizontal axis parallel with and spaced forwardly from the reflecting face of said prism; means connected to tilt said prism to deflect reflected rays downwardly into the housing at an angle to the vertical; a second reflector mounted for turning movement within the housing and having a plane reflecting first surface substantially parallel with the turning axis of the supporting casing and facing toward the reflecting face of the prism to intercept and reflect the angular rays downwardly into the housing at a reflected angle to the vertical; means for turning said prism and said mirror in such manner that the mirror turns about half the turning angle of the prism; and means to receive and direct the reflected rays from the housing.

2,184,616
CLUTCH CONTROL MECHANISM FOR MOTOR VEHICLES
Edward G. Hill, Richmond, Va., assignor to Hill Engineering Corporation, Richmond, Va., a corporation of Virginia
Application March 22, 1935, Serial No. 12,501
Renewed May 15, 1939
18 Claims. (Cl. 192—.01)



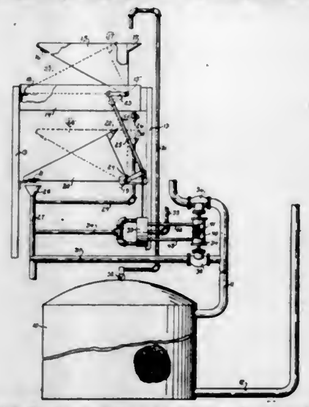
1. Clutch control mechanism for a motor vehicle having a motor and a clutch, comprising a power device connected to the clutch, and control mechanism for effecting actuation of the power device to disengage the clutch and for controlling the power device to effect clutch engagement at variable rates, including means for assuming control of the power device to effect clutch engagement substantially in accordance with torque loads on the engine if said control mechanism tends to effect clutch engagement at a rate exceeding a given relation to the torque load on the engine.

2,184,617
STABILIZED CUPROUS OXIDE
Loren C. Hurd, Glenside, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 11, 1938, Serial No. 190,036
12 Claims. (Cl. 23—243)

1. Finely divided cuprous oxide stabilized against oxidation with a thin coating of protein on the individual particles.

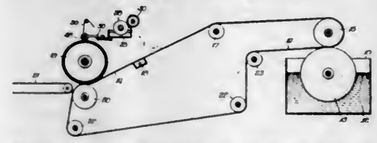
2,184,618
AUTOMATIC BACKWASH FILTER CONTROL
Joseph P. Lawlor, Ames, Iowa
Application November 15, 1937, Serial No. 174,584
6 Claims. (Cl. 210—147)

1. In a control apparatus, a frame, a tank secured to said frame, a tipping tray pivotally supported at one of its lower ends above the bottom of said tank, an outlet passageway in said tipping tray capable of directing a liquid into said tank when said tipping tray is in a lowered tipped position, a second tipping tray pivotally supported at one of its lower ends below the bottom of said tank, an outlet passageway in said second tipping tray capable of directing liquid from said second tipping tray when said second tipping tray is in a lowered tipped position, an arm operatively rigidly secured to said mentioned tipping tray, an arm operatively rigidly secured to said second tipping tray, a connecting member having one end pivotally secured to said first mentioned arm and its other end pivotally secured to said last mentioned arm, an operating shaft operatively connected to one of said arms, an outlet passageway in said tank capable of directing liquid into said second mentioned tipping tray when said tipping tray is in an upright position, and a means terminating



above said first mentioned tray when said tray is in an upright position for furnishing a liquid to said first mentioned tray.

2,184,619
SHINGLE MAKING MACHINE
Arthur G. Leonard, Jr., Wilmington, Ill., assignor, by mesne assignments, to The Lehon Company, Chicago, Ill., a corporation of Illinois
Application July 3, 1936, Serial No. 88,758
5 Claims. (Cl. 92—67)



1. Apparatus for making shingle stock comprising an accumulation roll on which said stock is formed by the accumulation of several layers of relatively thin web, coating means for spraying a coating on one surface of said web, a drive for said coating means including a clutch, and control means for actuating the clutch, said control means being in turn actuated by the stock on the accumulation roll when the same reaches a predetermined thickness.

2,184,620
MEASURING AND RECORDING INSTRUMENT
Waldron Shapleigh Macdonald, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application July 31, 1937, Serial No. 156,615
1 Claim. (Cl. 201—55)

In an electrical condition measuring instrument of the type wherein a sliding contact is moved along a resistance element, a sliding contact member including a small contact stud of relatively hard metal, a contact-supporting base of relatively soft metal having a large diameter relative to the thickness of said contact stud, one end of said contact stud being embedded in said contact-supporting base, a contact-positioning metal strip having a hole in one end thereof of a diameter approximately equal to that of said contact-supporting base, said contact-supporting base being fitted into the hole in said contact-positioning strip to form an integral part

thereof and being so positioned that said contact stud projects in a direction approximately perpendicular to said contact-positioning strip



to make contact with said resistance element, and the edges of said contact-supporting base being spread over the edges of the hole in said contact-positioning strip on both sides thereof.

2,184,621

TREATED FUELS AND METHOD OF TREATING THE SAME

Richard C. Marmaduke, Kansas City, Mo., assignor to Sherman Marmaduke, Kansas City, Mo.

No Drawing. Application April 6, 1938, Serial No. 200,419

10 Claims. (Cl. 44—6)

1. The process of treating solid, individual lumps of coal to resist degradation incidental to weathering and handling the coal, including coating the coal with a crystallizable solution consisting of paraffin wax and a liquid hydrocarbon having a burning time of more than 16 hours and a Saybolt viscosity of less than 150 seconds at 100° F., and effecting crystallization of said applied solution for forming a dry substantially non-volatile film covering on said lumps.

2,184,622

MANUFACTURE OF TANNING AGENTS

Gustav Mauthe and Hermann Noerr, Opladen, near Cologne, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application May 5, 1938, Serial No. 206,226. In Germany May 13, 1937

5 Claims. (Cl. 149—4.1)

1. In the process of manufacturing tanning substances by treating a lignin sulfonic compound with an unsulfonated condensation product, being soluble or dispersible therein, of an aromatic hydroxy compound and an agent known to be capable of linking aromatic nuclei, selected from the group consisting of organic compounds, sulfur, sulfur halogen compounds and sulfuric acid, the modification which comprises treating the lignin sulfonic compound in the course of this manufacture with an alkali at elevated temperature, whereby a substantial amount of sulfurous acid is split off from the lignin sulfonic compound, without forming insoluble compounds.

2,184,623

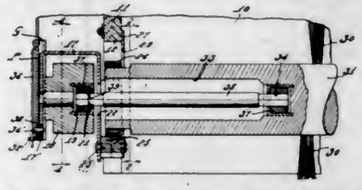
CARPET SWEEPER

Carl C. Parrish, Shelbyville, Ind., assignor to Porter Steel Specialties, Shelbyville, Ind., a partnership consisting of Enos Porter, Hester Porter Fuller, George M. Parker, and Charles M. Youart

Application December 20, 1937, Serial No. 180,693

18 Claims. (Cl. 15—41)

1. In a carpet sweeper, the combination of a main casing, traction wheels supporting the casing, a rotary brush mounted within the casing and floatable within the casing both vertically and horizontally independent of downward pressure applied to the casing, movable brush-supporting means mounted within the casing and shiftable by reason of horizontal movement of the brush to cause vertical movement of the brush, and a driving train interposed between the brush and one of the traction wheels.



18. A carpet sweeper unit comprising a carrier, a drive pulley journalled on said carrier, a pair of bell-crank levers pivoted on the carrier in a plane transverse to the pulley axis and axially spaced from the pulley with vertical arms one at each side of the pulley axis and overlapping horizontal arms beneath the pulley axis, a shaft, a noise-absorber element interposed between the shaft and pulley, a buffer ring sleevable upon the axle of a brush and lying between the vertical arms of the bell-crank levers, a dust plate overlying the bell-crank levers and buffer ring and perforated to receive the axle of such brush and laterally shiftable relative to the pulley axis.

2,184,624

MANUFACTURE OF STEEL OR ALLOY TUBES

Fred C. Raab and Edwin C. Wright, Beaver, Pa., assignors to National Tube Company, a corporation of New Jersey

No Drawing. Application December 3, 1937, Serial No. 178,001

1 Claim. (Cl. 148—12)

In the manufacture of cold-drawn steel tubing containing from .15 to .45 per cent carbon, from .40 to .90 per cent manganese, from 1.0 to 2.0 per cent nickel, from .20 to .75 per cent chromium, from .15 to .30 per cent silicon, a maximum of .04 per cent phosphorus, a maximum of .05 per cent sulphur and the remainder substantially iron to produce tubing having a high degree of machinability, the method comprising heating the tubular blank to a temperature of between 1500 and 1700 degrees Fahrenheit, holding the blank at said temperature for approximately one hour, percipitating the excess ferrite from the austenite in a uniformly dispersed condition and promoting the formation of carbide constituents in the form of coarse lamellar pearlite by slowly cooling said blank at a rate approximately of from 25 to 50 degrees per hour to a temperature below 900 degrees Fahrenheit, and finally cold-drawing the blank an amount sufficient to effect a reduction in area of between 20 and 70 per cent so as to form hard and soft layers therein which are freely machinable.

2,184,625

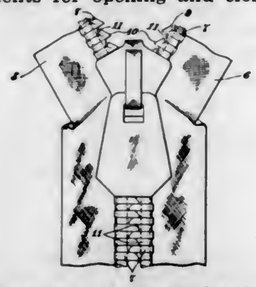
SLIDE FASTENER

Harry E. Sipe, New York, N. Y., assignor to Talon, Inc., a corporation of Pennsylvania

Application January 2, 1936, Serial No. 57,133

2 Claims. (Cl. 24—205)

2. In a slide fastener of the class described, a pair of flexible tapes, cooperating series of fastener elements on the edges of the tapes, said elements being of rigid material and one series intermeshing with the other series, the shape of such elements being so as to leave spaces between the ends of the elements and the edge of the opposite tape, plastic material in said spaces attached to the tape surfaces adjacent thereto, said plastic material substantially filling said spaces, and a slider fitting over the outer surfaces of said elements for opening and closing the fastener, said outer surfaces coming in direct contact with the slider as the slider is moved over the elements.



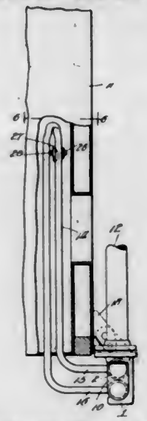
2,184,626

FIREBOX SUPERHEATER

Vincent W. Smith and Howard M. Wolf, Muncie, Ind., assignors to The Broderick Company, a corporation of Indiana

Application February 10, 1938, Serial No. 189,818

3 Claims. (Cl. 122—481)



1. The combination with a firebox open at the bottom, of upright superheater tubes arranged in two rows one behind the other, near and parallel to the inner side of a wall of said firebox, the upper ends of the tubes in one row being connected to the upper ends of the corresponding tubes in the other row, a header device on the outer side of the firebox, means extending under said wall and connecting the lower ends of the tubes to the header device, and means securing said header device to said wall for bodily rotation of the header device and the tubes about a horizontal axis so located that the tubes may be swung into an approximately horizontal position below the firebox.

2,184,627

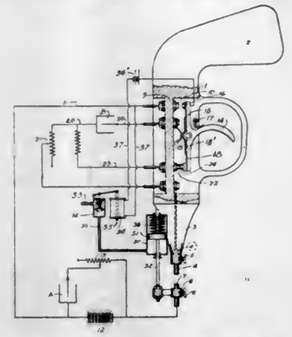
DUAL CURRENT CONDENSER WELDER

Glenn W. Watson, Detroit, Mich., assignor, by direct and mesne assignments, to Penweld Corporation, Detroit, Mich., a corporation of Michigan

Application July 15, 1937, Serial No. 153,827

4 Claims. (Cl. 219—4)

1. In an electric circuit, a source of current, electrodes connected to said source, a condenser between said source and electrodes and adapted to be charged by and during the flow of current between said electrodes, another condenser connected to such source for constant charging thereby and adapted to discharge, a switch adapted to simultaneously close the circuit to said electrodes and discharge the last named condenser into the circuit, and another switch for simultaneously opening said circuit and discharging the first named condenser.



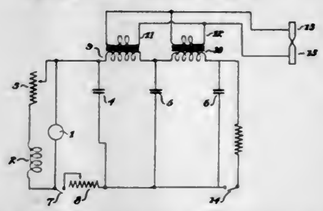
2,184,628

WELDING APPARATUS

Glenn W. Watson and Earle C. Brannas, Detroit, Mich., assignors to Penweld Corporation, Detroit, Mich., a corporation of Michigan

Application June 11, 1938, Serial No. 213,196

5 Claims. (Cl. 219—4)



1. In a welding apparatus, a primary circuit, a source of direct current therein and a plurality of condensers connected across said source, a secondary welding circuit adapted to receive current by induction from the primary circuit and adapted to weld while closed, and a means for successively retarding the delivery of the peak voltages in said condensers to said secondary circuit, whereby to prolong the peak voltage in the secondary circuit, and means for discharging said condensers outside of said welding circuit.

2,184,629

ADVERTISING MATCH BOOK

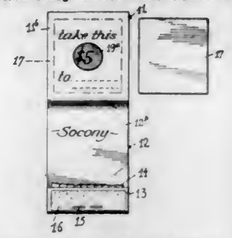
Abraham Weiss, New York, N. Y.

Application September 29, 1937, Serial No. 166,311

3 Claims. (Cl. 40—2)

1. In an advertising match book, having a folded cover with a back and front portion, and matches secured on said back within said folded cover, a pattern of instructions and symbols starting on an outer surface of said cover and successively carried further on the other surfaces thereof, a part only of the pattern being shown on each surface, and adapted to be progressively shown as each surface is unfolded,

the last part lying under the matches and adapted to be shown only after the removal of matches,



wherein after removal of matches, the complete pattern becomes disclosed.

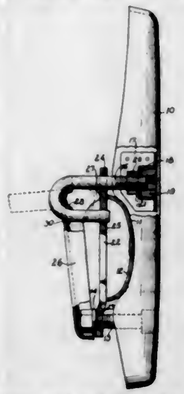
2,184,630
PORTABLE BELT VULCANIZER
Albert N. Alexander, Brookline, Mass., assignor to Ton-Tex Corporation, Grand Rapids, Mich., a corporation of Michigan
Application February 17, 1938, Serial No. 190,920
2 Claims. (Cl. 18—6)



2. A portable heated vulcanizer having upper and lower horizontal chambered rectangular members having confronted individually heated parallel platens, said members having laterally projecting corner lugs, a first vertical clamping screw threaded in a lug of the lower member and passing freely through the corresponding lug of the upper member whereby the upper member may rotate about such screw as a pivot, means on the said first screw engaging the last mentioned lug on the upper member to prevent relative vertical movement between the first screw and the upper member, other vertical clamping screws fixed on the two lugs of the bottom member along the opposite side thereof from the first screw, the corresponding lugs of the upper member having slots at angles such that the slots can receive the clamping screws on swinging movement of the upper member so that the clamping screws can interengage said lugs and serve as lateral stops for causing alinement of said members, a downwardly swingable clamping screw and nut unit mounted on the remaining lug of the lower member and located on the same side as the first screw, the corresponding lug of the upper member being slotted for engaging the said unit, and outward projecting foot means on the bottom lug of said first screw to prevent tilting of the device.

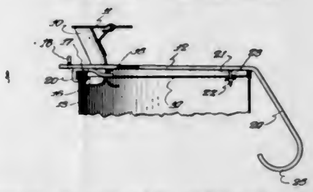
2,184,631
BUMPER GUARD STRUCTURE
Hugh Buchanan, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 16, 1938, Serial No. 246,007
13 Claims. (Cl. 293—55)

1. A bumper guard structure comprising a guard body engageable with one side of a bumper bar to extend a distance above and below the bar, upper and lower studs on said guard body for extension beyond the upper and lower edges of the bumper bar, a clamp bar supported by the projecting ends of said studs and adapted for engagement with the other side of the bumper bar, means on said lower stud for holding the clamp bar thereon, clamping pressure producing cam means operable on said upper stud for engagement with said clamp bar to clamp a bumper



structure between the clamp bar and the guard body, and a handle on said clamping pressure producing means for operation thereof, said pressure producing means when released permitting shift of the guard structure along the bumper bar to be out of the way for engine cranking or other purposes.

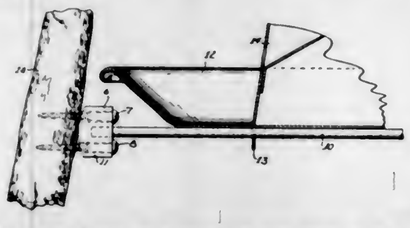
2,184,632
CAN DISCHARGE SPOUT
Philip E. Clawson, Oak Park, Ill., assignor of one-half to Maxwell M. Lappe, Oak Park, Ill.
Application January 13, 1939, Serial No. 250,677
1 Claim. (Cl. 221—23)



A device of the class described comprising a handle lever adapted and arranged to extend diametrically across the top of a can and provided at one end with a handle extending downwardly in cooperative relation with the adjacent side of the can; a clip having a hook engaging under the top edge of the can and pivotally connected with the other end of said handle lever to serve as a fulcrum therefor; a discharge spout on said lever adjacent said clip and having its lower end outwardly curved and adapted and arranged to penetrate the can top; and a penetrating stud adjacent the handle end of said lever having an enlarged pointed head adapted and arranged to penetrate and engage the can top.

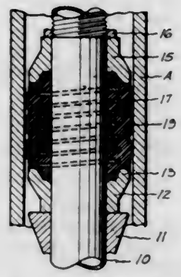
2,184,633
MOUNTING BRACKET
Lloyd G. Copeman, Flint, Mich.
Application March 24, 1938, Serial No. 197,827
7 Claims. (Cl. 119—51)

1. A means for fastening bird houses and the like in level position comprising a bar having a convex curved portion for contacting a support, fastening means in said bar extending through said curved portion to fasten said bar horizontally, and means on said bar for supporting a bird structure.



7. A bird housing structure comprising a body member and base member formed of a sheet material, apertures formed in one of said members, and one or more rods fitting in said apertures for assembling one of said members with respect to the other, said one or more rods being socketed in a support arranged and shaped to permit adjustable positioning of said structure whereby it may be supported in an upright position on a member without regard to the angular position of the member.

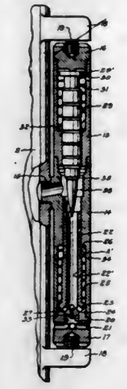
2,184,634
PACKING ELEMENT
Charles S. Crickmer and Roy A. Lamb, Dallas, Tex., assignors to Merla Tool Company, Dallas, Tex., a firm of Texas
Application September 17, 1937, Serial No. 164,384
4 Claims. (Cl. 166—10)



1. A packing element including, an annular elastic body, and a helical reinforcing member embedded within said body, said member having a plurality of perforations extending therethrough whereby said member is more firmly attached to the annular body.

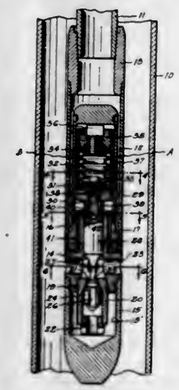
2,184,635
FLOW VALVE
Charles S. Crickmer and Roy A. Lamb, Dallas, Tex., assignors to Merla Tool Company, Dallas, Tex., a firm of Texas
Application March 5, 1938, Serial No. 194,100
6 Claims. (Cl. 103—232)

1. A well flow device including, a tubular body arranged to be connected with the well tubing and lowered therewith into the well casing, said body being provided with a passage for establishing communication between the casing and tubing, a tubular piston slidable in the passage and so located that the flow of the lifting fluid from the casing to the tubing passes therethrough, a valve carried by the piston arranged to substantially close the passage and piston and actuated by the differential in pressure between the well liquid in the tubing and the lifting fluid within the casing, said valve having an opening therein which communicates with the tubing and the casing to establish communication therebe-



tween when the valve is seated, and means for automatically metering the volume of fluid flowing through said passage according to the velocity of the well liquid passing through the tubing.

2,184,636
WELL FLOWING DEVICE
Charles S. Crickmer and Hans C. Glitsch, Dallas, Tex., assignors to Merla Tool Company, Dallas, Tex., a firm of Texas
Application July 22, 1938, Serial No. 220,608
11 Claims. (Cl. 103—232)



1. A flow device including, a well tubing, a tubular body adapted to be connected in the tubing string and having a passage for establishing communication between the interior and exterior of the tubing, means in the passage for controlling the admittance of a lifting fluid into the well liquid and exposed to the lifting fluid pressure, pressure responsive means having connection with the control means and normally exposed to the pressure of the well liquid, whereby said control means is moved by a predetermined differential in the pressure of the lifting fluid and well liquid, and means for relieving the pressure responsive means of the well liquid pressure when said pressure reaches a predetermined point, whereby damage to said means by excessive pressure is obviated.

2,184,637

FERMENTATION PROCESS FOR TREATING CRUDE ETHEREAL OILS

Willy Ekhard, Berlin-Pankow, Germany

No Drawing. Application June 15, 1936, Serial No. 85,304. In Germany June 18, 1935
9 Claims. (Cl. 195—3)

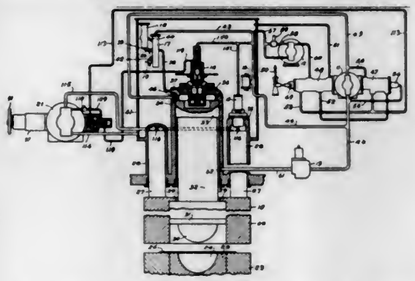
1. A process for improving crude ethereal oils selected from the group consisting of terpenes, camphor and peppermint oil, as well as mixtures containing such crude ethereal oils, comprising the steps of emulsifying the substances to be improved with a fermenting culture medium for yeast and bacterial acid formers, subjecting said substances to a biological fermentation by microorganisms selected from the group consisting of yeast and bacterial acid formers, and separating the substances thus improved from the culture medium after said fermentation.

2,184,638

DOUBLE-ACTING HYDRAULIC PRESS

Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application May 27, 1936, Serial No. 82,087
13 Claims. (Cl. 113—45)



1. In combination, a main plunger, a clamping plunger, a plurality of pumps for supplying pressure fluid to said main plunger and said clamping plunger, a fluid tank, surge valve means for said plungers to permit gravitational descent thereof, and means associated with one of said plungers for causing it to descend in alignment with the other plunger.

2,184,639

TOY

Marcus P. Exline, Dallas, Tex., assignor of one-half to Thomas L. Jaggars and one-half to Katharine Morgan Exline, both of Dallas, Tex.

Application July 30, 1938, Serial No. 222,132
10 Claims. (Cl. 46—135)



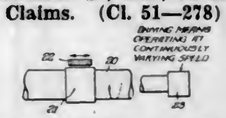
1. A toy including, a solid body of flexible material shaped to conform to the contour of a face, and means having connection with the body for distorting the same so as to change the expression on the face.

2,184,640

SURFACE FINISHING

William H. Foster and Levi D. Tyson, Elkhart, Ind., assignors to Foster Machine Company, Elkhart, Ind., a corporation of Indiana

Application December 21, 1938, Serial No. 247,111
6 Claims. (Cl. 51—278)



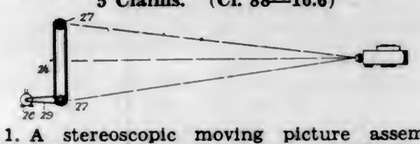
1. The method of finishing a surface of a member with a finishing utensil which consists in communicating positive movements to said member and to said utensil, the direction of contact surface movement of said utensil being continually different from the direction of contact surface movement of said member, the ratio between the speeds of surface movements of said member and said utensil being continually and progressively varied.

2,184,641

STEREOSCOPIC MOVING PICTURE APPARATUS

Victor Glanz, Chicago, Ill.

Application April 5, 1938, Serial No. 200,160
5 Claims. (Cl. 88—16.6)



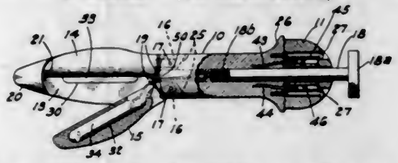
1. A stereoscopic moving picture assembly comprising a film each exposure of which was taken through a filter of a certain design, a single projector a corrugated screen spaced from and in front of the projector for reflecting light from the projector and having a design corresponding to the design of the film and means for moving the screen continuously in one direction.

2,184,642

RECTAL ELECTRODE

Edwin B. Glass, Los Angeles, Calif.

Application November 1, 1937, Serial No. 172,083
8 Claims. (Cl. 128—303.12)



1. In a treating instrument of the kind described, an elongated partly semicircularly shaped body having at one end a longitudinal, fixed extension which is mainly located at one side of the produced axis of said body, a pair of arms jointly providing a semicircularly shaped body swingably connected with the instrument adjacent to the juncture of said fixed extension with said body, said arms also each having a shoulder portion spaced somewhat away from its pivotal mounting, means to adjustably swing said arms apart to the desired extent and mechanically maintain them in such outswung position, said means comprising a manually rotatable shaft extending longitudinally within said body and having a screw threaded connection therewith and an end portion acting as a follower against said shoulder

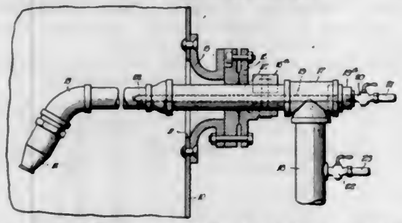
portions of said arms to swing the latter farther apart, the under side flat faces of said arms and extension being contiguous, there being a groove in the flat face of said extension along the midwidth thereof across which the flat under sides of said swinging arms glide in their swinging movements, an electrical heating element in said groove, and means to electrically heat said heating element while the instrument is inserted in a human rectum.

2,184,643

INDICATOR FOR LIQUID FLOW

Ralph Holmboe, Chicago, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois

Application July 22, 1938, Serial No. 220,604
1 Claim. (Cl. 137—102)



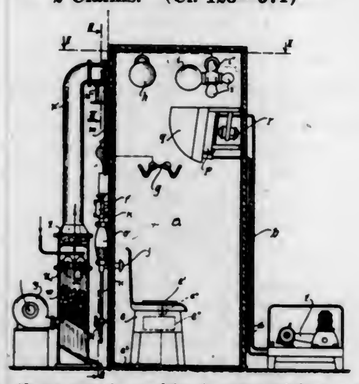
In combination, a nozzle, a pipe for supplying liquid to said nozzle, a fluid supply member for supplying liquid to said pipe, a conduit coaxially disposed within said pipe, said conduit having an orifice at its end adjacent to said nozzle and a discharge outlet at the other end thereof, a discharge outlet connected to said liquid supply member, and valves adapted to be opened to provide equal discharge areas for controlling said outlets.

2,184,644

CLIMATE CABINET

Ernst Homberger, Frankfort-on-the-Main, Germany, assignor to Franz Gutmann, Brooklyn, N. Y.

Application April 2, 1936, Serial No. 72,386
In Great Britain April 8, 1935
2 Claims. (Cl. 128—371)



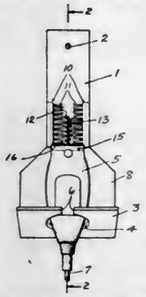
2. A therapeutic cabinet comprising an enclosed chamber having a metallic lining constructed to form a high frequency electrode, a seat mounted within the chamber and having a contact plate covering a substantial portion of the area thereof and constructed to form a high frequency electrode, switch means connected with said seat and having operative connections with said electrode thereof to close a high frequency electric circuit to said seat electrode and the lining when a patient is sitting on the said electrode.

2,184,645

ELECTRIC RAZOR CLEANER AND HOLDER

Clarence E. Key, Los Angeles, Calif.

Application August 10, 1937, Serial No. 158,310
3 Claims. (Cl. 15—160)



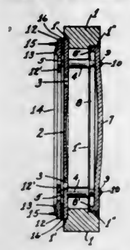
1. A device of the character described comprising a pair of elongated brushes positioned side by side in spaced relation and having bristles on their opposed sides extending toward each other and a central elongated brush disposed in the space between the opposed ends of said bristles and longitudinally of said pair of brushes, said central brush having bristles thereon projecting outwardly from all sides thereof, means supporting said central brush at one of its ends with its opposite end being free for sliding the tubular head of an electric razor over the central brush longitudinally thereof and between the said pair of brushes for cleaning the inner and outer sides of such head upon reciprocation of the head longitudinally of said central brush, said means including a member rigid therewith extending alongside said pair of brushes closing one side of the space between said brushes thereby forming the bottom of a channel the sides of which consist of the bristles of said pair of brushes and said pair of brushes being secured to said member.

2,184,646

AMPLIFIER AND TONE REGULATOR

Albert J. Kuhlenbeck, Richmond, and Forrest L. Manning, Lynn, Ind.

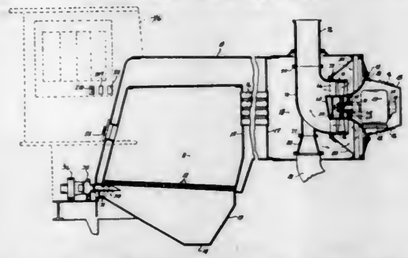
Application March 21, 1938, Serial No. 197,224
4 Claims. (Cl. 84—194)



1. In a musical instrument having a frame member, the combination of a pair of spaced-apart sounding boards one of which is secured to the frame member, the other being spaced away from the frame member and unattached thereto, each of the sounding boards having a

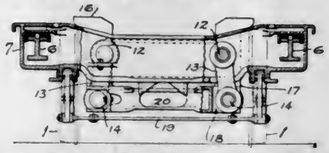
concave surface formed in the central portion thereof with the concave surface of one sounding board facing the concave surface of the second sounding board, with the outer surface of one board being parallel with relation to the corresponding portion of the other board and with a continuous flange being formed around the outer edges of one of the sounding boards.

2,184,647
DRAFTING OF LOCOMOTIVES
Newton Frank Lane, Decatur, Ill.
Application May 19, 1937, Serial No. 143,463
6 Claims. (Cl. 236—15)



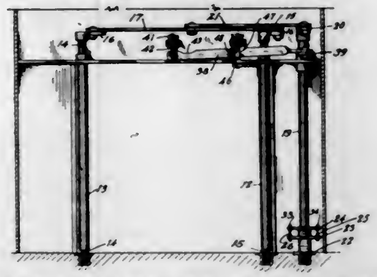
1. In combination in a steam locomotive, a balanced draft producing and control system including a turbine-driven blower of forced-draft type, having its outlet ahead of the grates and adapted to force a supply of combustion air therethrough, a turbine-driven induced-draft blower located in the smoke box of the locomotive boiler, a fitting forming a discharge passage directed from the induced draft blower and so directioned as to impart a steam eductive effect to the engine exhaust passages into the stack, and such that exhaust impulses coact in the draft-inducing action of the last said blower, the two blowers being so proportioned with respect to each other as to maintain in the drafting system between the blowers, a pressure substantially of the order of atmospheric; a control system for the blowers including a pressure-responsive apparatus having a loaded pressure-movable element subjected to draft pressure in an overfire zone, electromagnetic means in throttling relation to the steam supply of the turbines associated with the blowers, means for varying the proportionate throttling effect of said electromagnetic means, and means for varying the loading and response of said pressure movable element.

2,184,648
RAILWAY TRUCK
Arthur H. Pagenkemper, Glenolden, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 8, 1938, Serial No. 223,617
3 Claims. (Cl. 105—188)



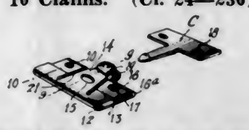
1. In a railway truck, wheels, axles, a truck frame carried thereby, hangers pivotally suspended from opposite sides of said frame, a bolster having a center plate portion and a pair of transversely spaced arms extending longitudinally of the truck at each side of said portion, transverse tie members spaced from said center plate portion and connecting the outer end portions of each pair of arms, brackets on said tie members, the outer end portions of said brackets being in longitudinal alinement with the end portions of said arms and spaced therefrom to form with the latter an open bottom pocket adapted to receive and pivotally connect the lower end portions of said hangers to said bolster, said brackets, the adjacent portions of said cross tie, and the end portions of said arms being of box-shaped cross-section to form strong U-shaped pockets for said swing hangers, the open part of the U facing transversely and outwardly.

2,184,649
AUTOMATIC GARAGE DOOR OPERATOR
Donato Palumbo, Pueblo, Colo., assignor to American Automatic Garage Door, Inc., Pueblo, Colo., a corporation of Colorado
Application June 28, 1938, Serial No. 216,242
5 Claims. (Cl. 268—35)



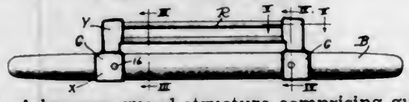
1. Means for operating a pair of swinging doors from the weight of a vehicle comprising: a lever connected with each door; a cross member connecting said levers so that said doors will swing in unison in opposite directions; a vertical shaft adjacent said doors; a crank member on said shaft; a connecting rod attached at its one extremity to said crank member and attached at its other extremity to the middle of said cross member so that rotation of said shaft will swing said doors; and means for rotating said shaft in consequence of the passage of the wheels of a vehicle.

2,184,650
LOCKING SEPARABLE FASTENER
Leo Roseman, Newark, N. J.
Application February 26, 1938, Serial No. 192,702
10 Claims. (Cl. 24—230)



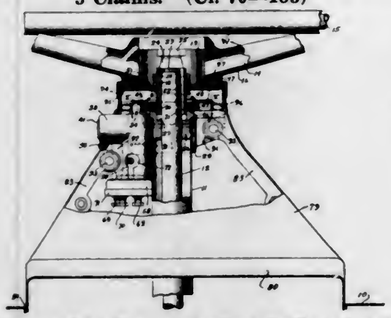
9. A separable fastener including a stud element having an approximately flat base and a shank projecting from one edge of the base, the extremity of said shank being provided with a rigid head having a shoulder extending laterally from the shank at one side of the base and facing toward the base with its free edge curved transversely of the shank and with the surface of the head at the juncture of the free edge of said shoulder with the shank approximately flush with the sides of the shank, and an approximately flat spring socket element having opposed spring jaws connected together at one end with their other ends free to receive said shank and head of the stud element between them, at least one of said jaws having a catch spaced inwardly from the free end of the jaws to interlock with said shoulder on said stud element upon insertion of said shank between said jaws with the stud element and the socket element disposed in a certain relation to each other, said shank of the stud element being narrow so as to be rotatable about its longitudinal axis while between said jaws relative to said socket element to rotate said shoulder of the stud element out of engagement with said catch and permit the shank to slide outwardly from between the jaws of the socket element and separate said elements, and the free end of at least one of said jaws forming straight elongate shoulders on the socket element at opposite sides of the catch to abut a line of stitches or a fold in an article to which the socket element is to be attached.

2,184,651
BUMPER GUARD STRUCTURE
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application July 29, 1938, Serial No. 221,979
7 Claims. (Cl. 293—55)



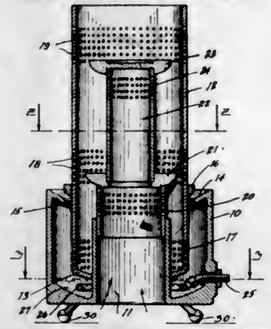
1. A bumper guard structure comprising guard frames attachable in horizontally spaced relation to the impact bar of a bumper structure to extend transversely thereof, a number of guard rails extending between said guard frames and deflected forwardly at their ends to abut the rear sides of said frames, means providing clamping shoulders at the ends of said rails, clamping plates spanning said clamping shoulders, and means on said frames for forcing said clamping plates into intimate clamping engagement with said shoulders to prevent displacement of said rails relative to said frames.

2,184,652
AUTOMOBILE STEERING AND LOCK ASSEMBLY
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 26, 1938, Serial No. 231,713
5 Claims. (Cl. 70—185)



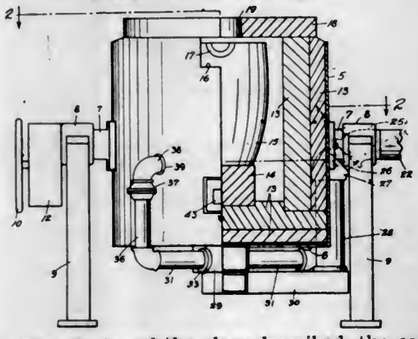
1. In combination, a steering shaft and a steering wheel secured thereto, a lock structure comprising a body stationarily mounted adjacent to the steering shaft and the wheel hub structure, a lock bolt shiftable in said lock body in a direction parallel with the steering shaft, a keeper plate between the lock body and the wheel hub and having openings for receiving the lock bolt, said keeper plate being splined to the hub structure, and spring means between the keeper plate and the hub for holding said plate in position for cooperation with the lock bolt.

2,184,653
BURNER FOR GASEOUS OR LIQUID FUEL
Samuel T. Sherrick and Charles A. Lewallen, Denver, Colo., assignors to Vac-Q-O Burner and Oil Cleaner Company Incorporated
Application March 13, 1939, Serial No. 261,566
2 Claims. (Cl. 158—99)



1. A burner comprising: an outer cylindrical housing; a cylindrical jacket of less diameter than said housing supported therein and extending; an anular inwardly extending flange at the upstanding thimble within said jacket opening through the floor of said housing; a flue extending upward from said thimble within said housing; an annular inwardly extending flange at the top of said housing terminating in spaced relation to said jacket to leave an annular down draft throat; and a flame spreader supported by said flue within said jacket, there being perforations in said jacket within said housing and above the latter and perforations in said flue above and below said flame spreader; and means for supplying fuel to said housing exteriorly of said jacket.

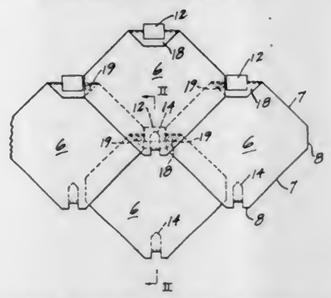
2,184,654
MULTIPLE BURNER FURNACE
Clyde E. Small, Harrison, Ohio, assignor to The Campbell Hausfeld Company, Harrison, Ohio, a corporation of Ohio
Application May 2, 1938, Serial No. 205,511
5 Claims. (Cl. 263—13)



1. In a device of the class described, the com-

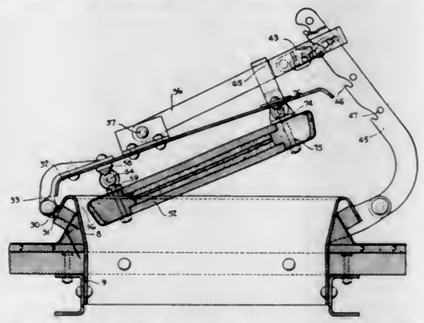
bination of a furnace casing having a side wall and a bottom, and including a combustion chamber, a crucible supported within the combustion chamber in spaced relationship with the furnace side wall, a manifold secured to the furnace bottom and including a series of branch outlets radiating therefrom toward the side wall of the furnace, means supplying fuel to the manifold, and a series of fuel nozzles each in communicating relationship with a branch outlet of the manifold for directing fuel to the combustion chamber of the furnace, said nozzles each being supported at an angle such as to direct a series of crucible heating flames on an approximate tangent to the crucible exterior.

2,184,655
ROOFING SHINGLE
Roy L. Spain, Birmingham, Ala.
Application April 27, 1939, Serial No. 270,307
7 Claims. (Cl. 108—7)



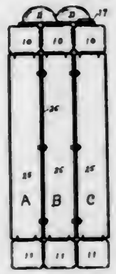
1. A roofing shingle having its upper portion slit and bent back thereover to receive and hold the lower portion of an overlying shingle in position in the slit.

2,184,656
HATCH FOR RAILWAY CARS
Walter C. Stone, St. Louis, Mo., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application August 28, 1937, Serial No. 161,532
6 Claims. (Cl. 268—72)



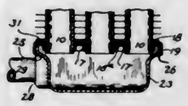
3. In a refrigerator car, the combination of a hatch frame, a hinged lid therefor, a plug fitting in said hatch frame, and means to raise said plug when the lid is closed without opening the lid, said means comprising a link loosely connected to said plug and extending upwardly through the lid in slidable relation therewith.

2,184,657
HEAT EXCHANGER
Fred M. Young, Racine, Wis.
Application April 10, 1936, Serial No. 73,607
2 Claims. (Cl. 257—154)



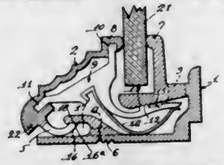
1. A heat exchanger unit of the class described, comprising two or more individual sections, each section having spaced headers and a number of tubes operatively connected therebetween, a multiplicity of closely spaced fins through which said tubes extend, forming a core, transverse partition walls in said headers positioned to thereby separate the tubes into a series circuit for the passage of the heating or cooling medium, connections between the ends of said series forming a series connection between said sections, inlet and outlet connections at the ends of said last series, whereby the cooling or heating medium will be caused to pass in series through and between said sections, side channels having their flanges turned outwardly and being secured to the ends of said headers forming independent frames for each section, said flanges being positioned on substantially the same plane as the front and rear edges of said headers and adjacent flanges being secured together and cooperating with said headers to thereby form a single air duct surrounding said cores, means secured to said channels being positioned to thereby form an airlock between said cores and channels.

2,184,658
RADIATOR
Fred M. Young, Racine, Wis.
Application August 26, 1936, Serial No. 97,964
2 Claims. (Cl. 257—130)



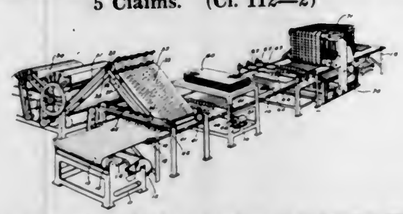
1. A radiator core of the class described, comprising a number of tubes and a multiplicity of spaced fins through which said tubes extend, tube plates having outwardly extending flanges for the reception of header caps, the tube openings in said plates being outwardly flanged and each being surrounded on the opposite side from said flanges, by a depression formed by shallow inverted V shaped surfaces the apexes of which are midway said flanges, said tubes being bonded to said flanged openings by placing a thin plate of bonding material shaped similar to said fins less the flanges, and positioned on the tube ends ahead of said tube plates and turning the plate end to be bonded down and applying heat whereby said bonding plate is made molten and caused to flow between the tube ends and their flanges.

2,184,659
SASH AND STORE FRONT CONSTRUCTION
Purdy E. Attick, Chicago, Ill.
Application May 6, 1938, Serial No. 206,360
12 Claims. (Cl. 20—56.4)



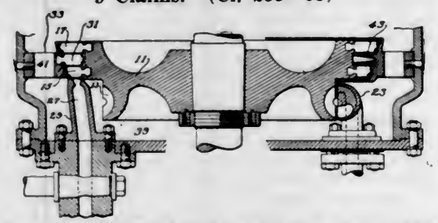
1. A sash comprising a base having a portion adapted to engage one side of a glass, a retaining strip abutting the other side of said glass and having laterally spaced members thereon, both said strip and said members having protruding locking means adapted to engage with companion lock-engaging portions extending throughout the length of said base and to be retained in contact therewith by suitable resilient means.

2,184,660
UPHOLSTERY FORMING MACHINE
Clarence W. Avery, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application January 13, 1936, Serial No. 58,859
5 Claims. (Cl. 112—2)



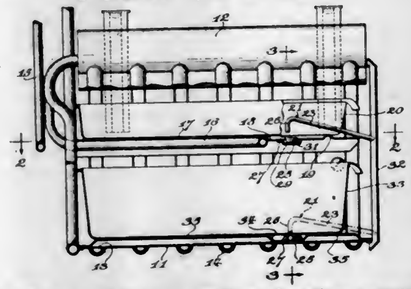
1. The method of preparing upholstery, which comprises applying a substantially uniform layer of padding material to a backing sheet, dividing the padding material along substantially parallel lines to form strips of padding material while supported on said backing sheet, subsequently covering said padding material with a fabric finish material, forcing the fabric material downwardly between said strips of padding material and retaining said fabric material in position while vertically stitching said finish material to said backing sheets.

2,184,661
ELASTIC FLUID TURBINE
Oliver D. H. Bentley, Norfolk, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts
Application October 30, 1936, Serial No. 108,458
9 Claims. (Cl. 253—53)



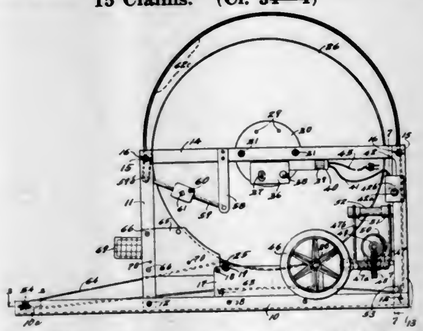
1. An elastic fluid turbine having, in combination, a casing, a rotor mounted in the casing and having a plurality of sets of blades, one set comprising a series of helical flow blades for driving the rotor at low speeds and exhausting at one side of the rotor and the other set comprising two series of axial flow blades for driving the rotor at high speeds and exhausting at the opposite side of the rotor, a series of redirecting blades positioned between the series of rotor axial flow blades, means for securing the redirecting blades to the casing having provision for the passage of exhaust fluid from the helical flow blades from one side of the rotor to the other, and separate nozzles for delivering elastic fluid to the sets of rotor blades.

2,184,662
FREEZING TRAY RELEASE
James H. Dennedy, Evansville, Ind., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind., a corporation of Indiana
Original application July 16, 1934, Serial No. 735,371. Divided and this application December 3, 1936, Serial No. 113,965
8 Claims. (Cl. 62—108.5)



1. The combination with a freezing compartment having a supporting floor for receiving an ice tray and a forward opening for insertion of the tray, of a tray release comprising a shaft portion journaled transversely of the floor and substantially in the plane thereof, a crank offset in the shaft beneath the tray position, a depression in the floor normally receiving the offset, and a manually engageable portion fixed to the shaft portion and extending forward to said opening and laterally of the tray position for swinging said crank into lifting engagement with the bottom of the tray.

2,184,663
PRINT DRYING APPARATUS
Glen M. Dye, Minneapolis, Minn.
Application March 22, 1937, Serial No. 132,250
15 Claims. (Cl. 34—4)



1. A machine of the class described having

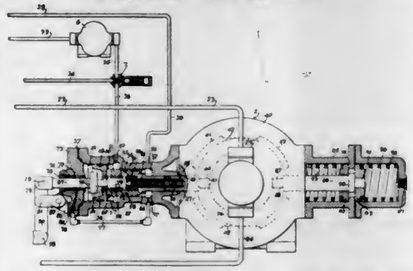
in combination, a drying member having a heated wall, a traveling apron of thin fabric material moving over the surface of said wall for holding a print thereagainst, a stationary member having a smooth curved convex surface over which said apron slides, means on said member for engaging the edge of said apron and means for varying the position of the ends of said member, and means for holding said ends in different positions to vary the angle between the central longitudinal axes of said member and apron.

2,184,664
ANTISKID DEVICE FOR MOTOR VEHICLES
Clement Ehret, White Plains, N. Y.
Application November 30, 1937, Serial No. 177,192
10 Claims. (Cl. 188—5)



1. A motor vehicle in combination with an anti-skid device mounted on the vehicle and movable at the will of the operator into and out of contact with the road, said anti-skid device comprising at least one roller of sufficient inherent resiliency to permit flattening of the roller against the road surface when forced into contact therewith, and relatively hard road gripping projections carried by the resilient roller, said projections having fixed relations with respect to the axis of the roller to be projected to a greater extent beyond the surface of the roller as the roller is flattened against the road surface.

2,184,665
SELF-CENTERING SERVOMOTOR
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp. Inc., Wilmington, Del., a corporation of Delaware
Application October 21, 1937, Serial No. 170,250
6 Claims. (Cl. 103—38)



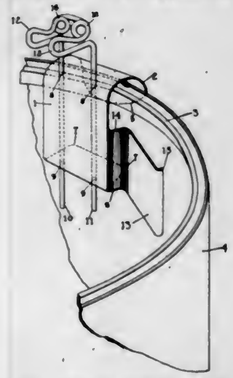
1. In combination in a self-centering servomotor control mechanism for a reversible variable delivery pump with a flow-control member movable in opposite directions from its neutral positions, a servomotor cylinder, a servomotor piston therein connected to said flow-control member, a source of pressure fluid for operating said piston, a control valve adjacent said piston for controlling the supply of pressure fluid from said source to said piston, and yieldingly urged means operatively connected to said flow-control member and arranged to oppose the motion of said flow-control member in either direction of its motion from its neutral position and responsive to a failure of pressure fluid supplied from said source to shift said flow-control member to its neutral position.

2,184,666
COLORED FLAME CANDLE
William M. Fredericks, Spokane, Wash.
Application September 28, 1936, Serial No. 103,025
4 Claims. (Cl. 67—22)



2. A candle comprising a wick, metallic salts extending along the wick in a path extending spirally about the wick, a coating of wax to seal the untreated portion of the wick, and a combustible body about the wick and metallic salts.

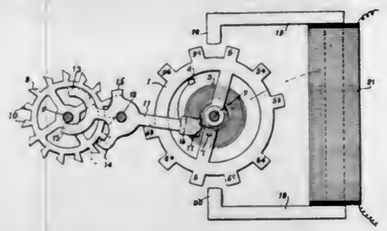
2,184,667
IMPLEMENT HOLDER
Richard J. Hannan, Pittsburgh, Pa.
Application September 19, 1938, Serial No. 230,551
3 Claims. (Cl. 248—113)



1. In a holder device comprising a body portion adapted to be positioned within a container and having at one end a resilient supporting flange adapted to be sprung over the edge of the open end of a container into clamping engagement with the outer surface of the container and having at its opposite end a rigid flange adapted to engage the inner surface of the container, and a holder element supported by said resilient flange when the flange is sprung in place on the container and having spaced arms extending in a direction away from the flange, said arms being adapted to receive between them an article to be supported.

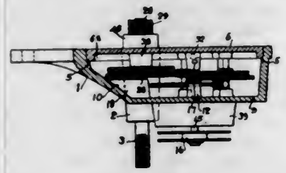
2,184,668
SYNCHRONIZED CLOCK ESCAPEMENT
Julius W. Hansen, William L. Hansen, and Ira N. Hurst, Princeton, Ind., assignors to Hansen Manufacturing Company, Inc., Princeton, Ind., a corporation of Indiana
Application November 3, 1930, Serial No. 492,920
15 Claims. (Cl. 58—26)

1. In a clock mechanism, an oscillating member having a plurality of pairs of oppositely disposed projections, a source of an alternating elec-



tric current, and means acted upon by said current to alternately attract and repel successively each pair of projections.

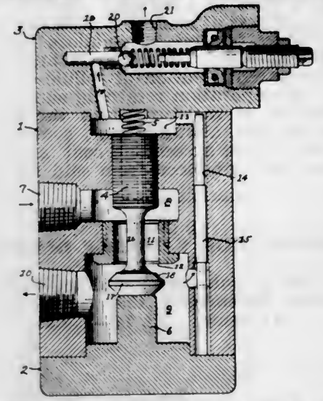
2,184,669
GEAR CASING
William L. Hansen, Princeton, Ind., assignor to Hansen Mfg. Company, Inc., Princeton, Ind., a corporation of Indiana
Application September 9, 1936, Serial No. 100,027
1 Claim. (Cl. 74—606)



A casing for a speed reduction unit having intermeshing gears supported on shafts comprising a cupped body member having a bottom with shaft bearing recesses, said body member having a circular aperture with a conical tapering wall, a mating circular cover member of substantially the same diameter as said aperture having a correspondingly tapered rim mating with said conical tapering wall and closely insertible therein and having shaft bearing recesses alignable with and corresponding to the shaft bearing recesses in said body member, one of said members having an aligning socket and the other member having an aligning pin closely fitting said socket in the aligned positions of said shaft bearing recesses in said body member and cover member, whereby to align the bearing recesses of said body member with the bearing recesses of said cover member when said cover member is inserted in the circular aperture of said body member and rotated until said pin enters said socket, and means independent of said aligning pin and socket for securing said cover member to said body member.

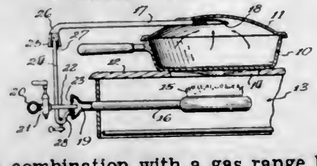
2,184,670
REDUCING VALVE
Ferris T. Harrington, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application November 16, 1937, Serial No. 174,858
9 Claims. (Cl. 50—12)

1. In an adjustable fluid pressure reducing valve, a housing provided with inlet and outlet chambers, a piston valve between said chambers, a relatively light spring tending normally to hold said valve open, said housing having a pressure chamber behind said valve and a restricted passageway independent of said piston valve between said outlet chamber and said pressure chamber,



and a pressure relief valve connecting said pressure chamber with a tank outlet.

2,184,671
METHOD AND MEANS FOR ELIMINATING ODORS IN COOKING
Joseph J. Hollander, Chicago, Ill.
Application May 4, 1939, Serial No. 271,721
9 Claims. (Cl. 126—39)



1. In combination with a gas range having at least one gas burner provided with an air-fuel gas mixing chamber for making a mixture of fuel gas and air to be burned as the burner flame, a cooking utensil upon said range adapted to be subjected to the said flame of said burner, means associated with said utensil for collecting gases and odors evolved from foods cooking within said utensil, and means for leading said gases and odors to said mixing chamber and injecting said gases and odors into said chamber.

2,184,672
MANUFACTURE OF PLASTIC SHEETS
Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application June 17, 1935, Serial No. 27,018
Renewed August 12, 1939
10 Claims. (Cl. 18—57)

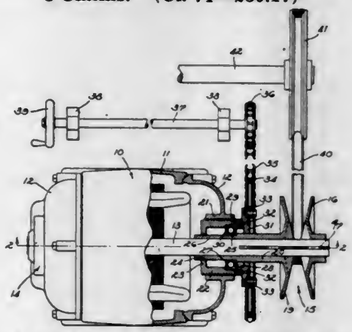


4. The method of making a translucent projection screen which comprises spraying on a matrix a plurality of initial coats of cellulose ester material to form a part of the body portion of said screen, allowing each of said coats to dry, applying a border strip of fabric on said partial body portion at the edge thereof, spraying a second plurality of coats of said cellulose material over said partial body portion and over said border strip to build up said screen to the desired thickness and to integrally unite said strip

with the body of said screen, allowing each of said last mentioned coats to dry, and stripping said sheet from said matrix.

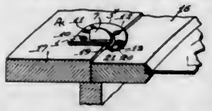
7. The process of making a homogeneous multi-layer body portion of cellulose ester which comprises spraying on a matrix multiple coats of a transparent solution of cellulose ester containing an evaporation retarding agent to reduce condensation of moisture from the air on the sprayed surface, allowing each coat to dry before spraying the succeeding coat, and stripping the sheet thus produced from said matrix.

2,184,673
CONTROL FOR VARIABLE-DIAMETER PULLEY
Carl E. Johnson, Pasadena, Calif.
Application November 8, 1937, Serial No. 173,354
3 Claims. (Cl. 74—230.17)



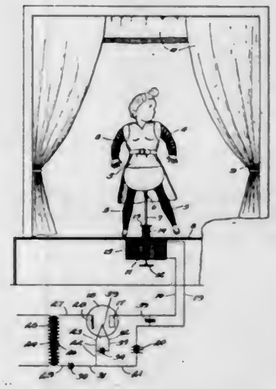
1. In a variable-speed transmission device, the combination of: an electric motor having a case; a cylindrical flange on one end of said case; a motor drive shaft extending through said cylindrical flange and outside of said case; a variable-diameter pulley of the V-type on said drive shaft having a fixed flange and a movable flange axially movable on said drive shaft; a sleeve element rigidly connected to said movable flange and journalling said drive shaft; a bearing member supported by and axially movable in said cylindrical flange, having bearing means adapted to journal said sleeve and to transmit axial movement of said bearing member to said sleeve so as to adjust the axial position of said movable flange on said drive shaft; and adjustment means for axially moving said bearing member.

2,184,674
SASH FASTENER
Clarence W. Jorgensen, Chicago, Ill., assignor to Superior Fastener Corporation, Chicago, Ill., a corporation of Illinois
Application January 15, 1938, Serial No. 185,107
7 Claims. (Cl. 292—202)



1. A storm sash fastener formed as a sheet metal stamping out of a blank substantially of semi-circular shape comprising a base portion having a perforation for a securing screw, a curved resilient finger and a manually engageable lug formed along one edge of said base, said finger extending about said lug and having its tip normally lying below said base portion.

2,184,675
RADIO DOLL
Clarence H. Kehm, Chicago, Ill.
Application November 23, 1936, Serial No. 112,221
3 Claims. (Cl. 46—138)



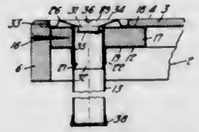
1. A dancing doll attachment for a radio receiving set, said attachment comprising an electronic relay, an electromagnet in series therewith, said magnet having an upright opening therethrough at the center thereof, a vertical armature fitting loosely in said opening and actuated by the magnet, a figure supported by the armature and bodily movable therewith and in the same plane, resilient means supporting the armature and the said figure and operating to counterbalance the weight of the figure and the armature, whereby the audio frequency current will be relieved of the inertia of the figure and will cause a maximum operation of the figure at a normal operation of the electrical sound source, the circuit including the relay and the magnet being varied by audible frequency currents from the radio receiving set.

2,184,676
HATCH COVER
James F. Mackin, Chicago, Ill.
Application November 18, 1937, Serial No. 175,185
9 Claims. (Cl. 114—202)



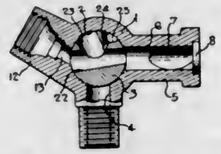
1. In combination, a coaming having an upstanding rim flange, a unitary hatch cover formed to telescope with said flange and outside thereof, parallel rails extending respectively adjacent opposite sides of the coaming, two pairs of wheels positioned to rest on said rails, one pair adjacent one edge of the cover and the other pair adjacent its opposite edge, means connecting the one pair to the cover in fixed relation thereto, vertically extensible means connecting the other pair to the cover, and means for adjusting such connection sufficiently to raise the adjacent edge clear of the upstanding flange of the coaming so that the cover may be removed bodily by travel along the rails.

2,184,677
TABLE
Patience M. McKay, Oakland, Calif.
Application February 10, 1937, Serial No. 125,089
2 Claims. (Cl. 311—111)



1. A table comprising, a top providing a working or playing surface and having a vertically extending passage therethrough, a plate fixedly positioned under said top and having a tubular portion providing a passage registering with said first passage and extending downwardly therefrom, a second plate fixedly positioned under said top and said first plate and having a tubular portion spaced from and surrounding said first tubular portion, and a tubular leg having one end arranged for insertion and fit in the space between said tubular portions.

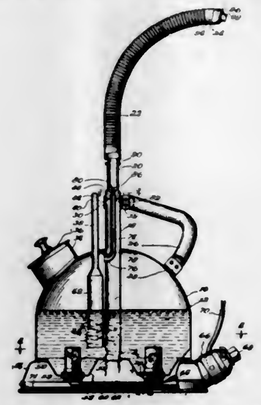
2,184,678
GAS COCK
Ervin H. Mueller, Grosse Pointe Park, Mich.
Application September 9, 1938, Serial No. 229,073
4 Claims. (Cl. 251—109)



4. A gas cock comprising a body having a a valve chamber, an inlet passage leading to the chamber, outlet means leading from the chamber, a valve member in the chamber having passageways for the flow of gas therethrough from the inlet passage to the outlet means and including two ports angularly disposed relative to each other, said valve member being rotatable in the chamber whereby it may be positioned to close the inlet passage, to register one of the two ports with the inlet passage and to register the other of the two ports with the inlet passage for the control of the flow of gas to the outlet means, and auxiliary port means in the valve positioned between the said angularly disposed ports arranged to register with the inlet as the valve is moved from a position where one of the ports registers with the inlet passage to a position where the other port registers with the inlet passage for the continued flow of gas through the gas cock at such time.

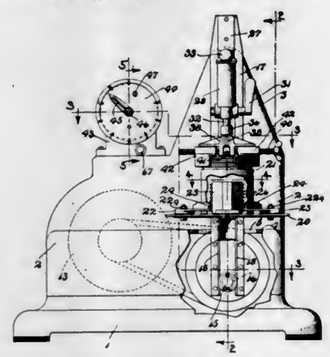
2,184,679
INHALATOR
George H. Myrick, Rochester, Minn.
Application March 22, 1937, Serial No. 132,232
11 Claims. (Cl. 128—192)

1. In a device of the character described, the combination including, a container adapted to contain a supply of vaporizable medium, means for heating the medium contained in said container, a tube extending from the bottom of said container through the top thereof, means permitting free passage of the medium from the container into the tube near the bottom of said container, and means including an opening in said tube near the top of and inside said container and a small diameter tube extending from



said opening vertically upward in said first mentioned tube for discharging vapor from said container.

2,184,680
APPARATUS FOR TREATING PISTONS
Holly M. Olson, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application November 21, 1938, Serial No. 241,519
15 Claims. (Cl. 153—10)

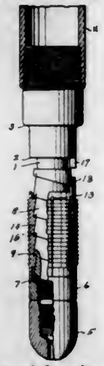


1. In a machine of the class described, means for supporting a piston, means for oscillating said supporting means back and forth in a direction substantially parallel to a diameter of the piston, and loosely mounted and guided impact members carried on said support within the piston and adapted to be longitudinally reciprocated when the piston is oscillated back and forth to strike against the inner side of the piston.

2,184,681
GRAPPLE
Fred N. Osmun and Frank Kinzbach, Houston, Tex., assignors, by direct and mesne assignments, to George W. Bowen, Harris County, Tex.
Application October 26, 1937, Serial No. 171,088
11 Claims. (Cl. 294—96)

1. A pipe grapple comprising a mandrel having a helical, tapering face, a sleeve-like expansible

grappling member thereon of a general cylindrical contour and substantially longer than its



transverse diameter and having a helical tapering face arranged to fit the face on the mandrel.

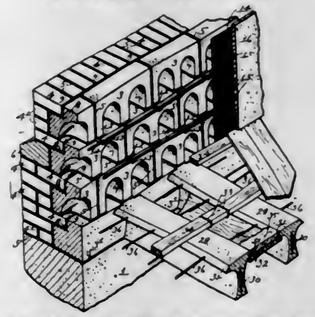
2,184,682

MASONRY WALL CONSTRUCTION

Johannes T. Sentrop, Wyoming Township, Kent County, Mich.

Application October 28, 1937, Serial No. 171,462

6 Claims. (Cl. 72—41)



1. In a masonry wall, a compactly bonded flat top and flat bottom course comprising wall members adjacent one side of the wall having rabbeted inner corners and wall members laid in a plurality of courses adjacent the other side of the wall with the inner end portions of the members of one of said plurality of courses compactly bonded at all their surfaces in said rabbeted corners.

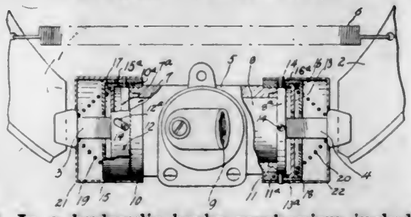
2,184,683

BRAKE MECHANISM

Lewis Shuman, Los Angeles, Calif.

Application December 2, 1938, Serial No. 243,552

6 Claims. (Cl. 188—79.5)



1. In a hydraulic brake mechanism including brake shoes and spring pressure urging them together, the combination with a cylinder, of pistons seated in the ends thereof for axial movement therein, screws seated in threads of said pistons and made with slots enclosing the free ends of said shoes, inner thimbles axially slidable on the outer ends of said pistons and having diagonal slots, outer thimbles axially slidable on said inner thimbles and made with axial slots, studs in the periphery of said pistons seated in all of said slots, the thimbles and the ends of said cylinder having interengaging ratchet teeth, and means yieldingly pressing said thimble teeth into the teeth on the cylinder ends.

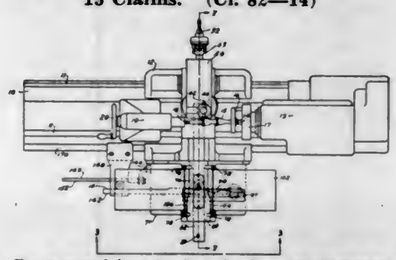
2,184,684

FORM PRODUCING MACHINE

Clifford A. Bickel, Sidney, Ohio, assignor to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio

Application August 18, 1937, Serial No. 159,740

15 Claims. (Cl. 82—14)



1. In a machine tool, a bed, a stationary support connected to said bed and positionally adjustable relatively thereto, a work-piece rotating element, a carriage, mechanism for moving said carriage relatively to said bed, a tool associated with said carriage, a guide having a contour corresponding transversely to the contour to be produced upon the work-piece but elongated longitudinally in comparison therewith, a follower engaging the contour of said guide, a connector between said follower and said tool, a rack connected to said guide, a gear operatively connected to said rack, and a second rack operatively connected to said gear on said stationary support for actuating said gear and said first-mentioned rack to move said guide relatively to said bed.

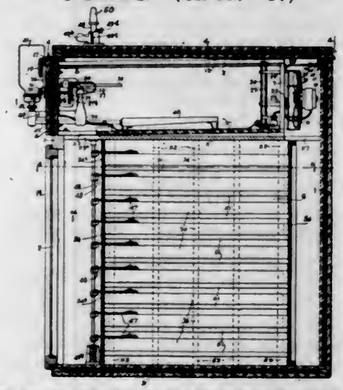
2,184,685

INCUBATOR

Edwin T. Brace, Springfield, Ohio, assignor to Buckeye Incubator Company, Springfield, Ohio, a corporation of Delaware

Application December 31, 1934, Serial No. 759,853

3 Claims. (Cl. 119—37)



1. In an incubator, an air inlet opening, a control compartment within the incubator having an outlet opening for the air, and a single means for controlling air admission and exhaust operable from the outside of the control compartment.

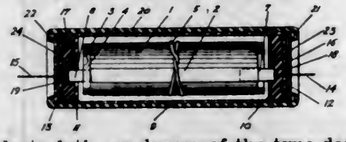
2,184,686

ELECTROLYTIC CONDENSER

Arnold Deutschmann, Brookline, Mass., assignor to Tobe Deutschmann Corporation, Canton, Mass.

Application June 22, 1936, Serial No. 86,490

1 Claim. (Cl. 175—315)



An electrolytic condenser of the type described comprising a condenser winding, a tube having an inner and an outer element, electrode means applied at each end of the winding and terminal connections connected to said electrodes and brought out externally at the ends of the tube, two discs fitting within the inner tube one against each end of the condenser winding, a wax-sealing compound positioned next to said discs and sealing inner tube, a second disc next to said wax seal within the inner tube, a further disc applied over the ends of the inner tube within the outer tube, the outer tube being crimped over at its ends upon the last-named disc.

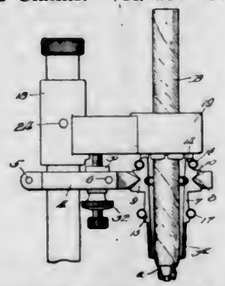
2,184,687

CIGAR CAPPING MACHINE

Joseph Freud, Chicago, Ill., assignor to Arthur B. Adair

Application January 12, 1938, Serial No. 184,610

4 Claims. (Cl. 131—88)



1. In a cigar capping machine, a support, a tubular element divided lengthwise into sections and extending through said support, means acting yieldably on said sections to contract one end of said element until it is smaller than the end of a cigar to be capped, whereby a cap may easily be slipped on the contracted end, and means acting on said element to expand the contracted end until it is larger than the cigar, thereby permitting the cigar to be inserted in the tubular element and strip therefrom a cap stretched thereon.

2,184,688

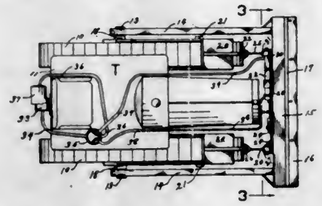
TRAIL BUILDER, BULLDOZER, AND THE LIKE

Charles Le Bleu, Los Angeles, Calif.

Application February 29, 1936, Serial No. 66,348

15 Claims. (Cl. 37—144)

1. A material handling machine comprising a tractor including a body and a pair of track laying units disposed one at each of the opposite sides thereof and journaled behind their front ends to the body for relative swinging movement, an earth moving device mounted on the tractor for swinging movement about a horizontal axis, a support mounted on each of said track laying units so that each will have a movement independent of the other in the plane in which said track laying units move as they swing about their pivotal mounting, and suspension means



for the free end of said earth moving device continuous from one of said supports to the other of said supports and connected to said earth moving device, said suspension means including flexible means arranged to shift transversely of the line of travel in response to the relative swinging movement of said track laying units to dispose the weight of the free end of said earth moving device substantially equally on said track laying units in any position of each track laying unit about its pivotal mounting.

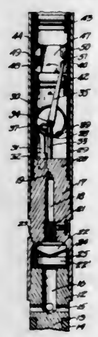
2,184,689

PRESSURE RECORDER

Christian W. Savitz, Los Angeles, Calif.

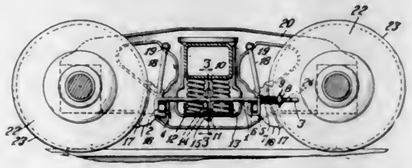
Application May 17, 1937, Serial No. 143,130

4 Claims. (Cl. 234—20)



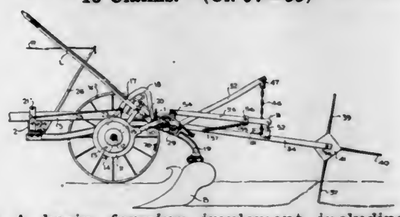
1. A device of the character described adapted to be submerged into fluid in a well bore to record the pressure thereof, comprising a tubular housing, upper and lower plug elements sealing the opposite ends of said housing, a body member connected to said lower plug element, a pressure recording means disposed in said housing above said body member, walls forming a fluid passage in said body member communicating with said pressure recording device, a diaphragm dividing said body member into two distinct non-communicating chambers, said diaphragm being conical and having its apex extending into one of said chambers, and means in the other of said chambers responsive to the movement of said diaphragm for actuating said recording means.

2,184,690
BRAKE BEAM EQUALIZER SAFETY SUPPORT
Louis Varga, Chicago, Ill., assignor to Midwest Car Company, Chicago, Ill.
Application February 28, 1939, Serial No. 258,998
1 Claim. (Cl. 188—210)



In a railway car truck, a spring plank associated therewith, a pair of inner brake beams, brake shoes on said beams, truck wheels having treads adapted to be engaged by said brake shoes, a safety support device comprising a rod one end of which is shaped to engage about one of said brake beams, a bracket member slidably carried by said rod intermediate its length and shaped to engage said other brake beam, said rod having a series of holes adjacent its other end, adjustable abutment means engaging with one of said holes, spring means interposed between said abutment means and said bracket whereby said brake shoes are adapted to be retracted from the wheel treads, an eye-bolt secured to the spring plank, said eye-bolt slidably engaging said safety support member to aid in maintaining said safety support device in position on the truck.

2,184,691
BASIN FORMING IMPLEMENT
Carl E. White, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application September 30, 1937, Serial No. 166,470
13 Claims. (Cl. 97—55)



1. A basin forming implement including a wheeled frame, a plurality of furrow forming members carried by the frame, a plurality of rotatable drag members arranged to trail behind the furrow forming members and each including a plurality of substantially radially arranged blades mounted for rotation about an axis transverse to the direction of movement of the wheeled frame, spaced drag-bars connected between the wheeled frame and each of the drag members, and a movable ball connected between the drag-bars of each drag member and positioned to intercept the blades of each drag member and prevent rotation thereof.

2,184,692
FREE CUTTING ALLOYS
Adolf Beck and Hans Bohner, Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application November 26, 1937, Serial No. 176,625. In Germany December 11, 1936
1 Claim. (Cl. 75—147)

An aluminium base alloy containing from about 3 to 16% of magnesium, from about 0.2 to about 4% of zinc, at least one metal capable of forming an aluminide, and at least 0.3% of silicon, the total of the intentional alloying ingredients, apart from aluminium and magnesium, not exceeding about 5% of the total weight of the alloy.

2,184,693
FREE CUTTING ALLOYS
Adolf Beck and Hans Bohner, Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Original application November 26, 1937, Serial No. 176,625. Divided and this application May 25, 1939, Serial No. 275,694. In Germany December 11, 1936
1 Claim. (Cl. 75—146)

An aluminium base alloy containing from about 3 to 16% of magnesium, from about 0.2 to about 4% of zinc and at least one metal capable of forming an aluminide, the total of the intentional alloying ingredients, apart from aluminium and magnesium, not exceeding about 5% of the total weight of the alloy.

2,184,694
CIGAR LIGHTER
Joseph H. Cohen, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application June 7, 1937, Serial No. 146,804
5 Claims. (Cl. 219—32)

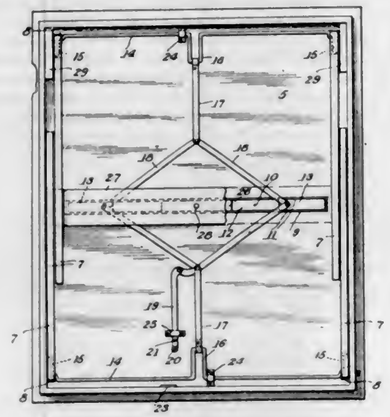


5. In a cigar lighter of the removable igniting unit type, a holding device adapted to receive and hold an igniting unit and having a flanged perforated tubular socket to extend through an aperture in a mounting plate with the flange engaging the front side of the plate, said socket having a rear wall carrying a rearwardly projecting threaded nipple forming a conduit for a current-supply wire leading into the socket; and a perforated tubular locking member of greater diameter than said holding device having a reduced threaded portion adapted to be mounted on the threaded nipple and moved thereon so as to bring the tubular locking member into engagement with the other side of said plate whereby the socket is clamped to the plate.

2,184,695
TABLE
Joshua Virgil Findley, Bumble Bee, Ariz.
Application June 17, 1938, Serial No. 214,292
1 Claim. (Cl. 311—85)

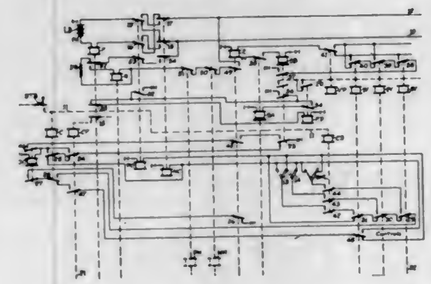
In a folding table structure, a top, pairs of legs hinged to said top, said pairs of legs movable away from each other to extended positions and towards each other to folded positions, rods having crank arms connecting the legs of each pair together, a transversely extending guide member secured to said top, guide blocks slidable within said member, links connected to said crank arms, a pair of arms pivoted to each of said links and to said blocks and extending on each side of said member, one of said arms fashioned with an extending section adjacent one of said links, an operating member connected to said extending

section and operable for moving said blocks towards each other to move said legs to extended



position and away from each other to move said legs to folded position.

2,184,696
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
William D. Hailes, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 7, 1937, Serial No. 141,322
11 Claims. (Cl. 177—353)

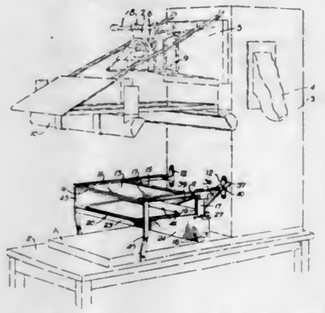


1. In a remote control system; a control office and a field station connected by a line circuit; a first and a polar line relay in said office selectively and individually connected in series with said line circuit; means including said first line relay for impressing a series of control impulses on said line circuit for synchronously marking off a series of successive time spaced impulse periods at said office and at said station and for excluding said first line relay from said line circuit during each time space; means for connecting said polar line relay in series with said line circuit during the time spaces between the impulse periods; a code transmitter at said station; means for causing said code transmitter to apply a positive, a negative or a zero current impulse to said line circuit during each of the time spaces between said impulse periods, whereby codes are transmitted over said line circuit and said polar line relay is operated or left unoperated during each time space; and means controlled by said polar line relay for registering said codes.

2,184,697
PURIFICATION OF TRICRESYL PHOSPHATE USED FOR THE EXTRACTION OF PHENOLS
Hinrich Havemann and Karl Smeykal, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the-Main, Germany
No Drawing. Application May 5, 1936, Serial No. 77,988. In Germany May 24, 1935
8 Claims. (Cl. 260—461)

1. A process for the purification of a waste tricresyl phosphate having been used for the extraction of phenols from a member of the group consisting of distillation, reduction and low temperature carbonization waste aqueous liquors and containing substances of high molecular weight which comprises separating from the said tricresyl phosphate the said substances of high molecular weight, which remain in the tricresyl phosphate after the phenols have been expelled, by precipitating them with an agent selected from the group consisting of concentrated sulphuric acid and sulphuric acid containing sulphur trioxide.

2,184,698
COPY HOLDER FOR CAMERAS
Victor C. Heybourne, Tonawanda, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application November 5, 1937, Serial No. 172,885
5 Claims. (Cl. 88—24)



1. A copyholder for cameras, having a base and an upwardly extending housing on one end of said base, comprising a pair of arms secured at one end to said housing and extending laterally therefrom in spaced parallel relation over said base, a glass plate mounted on and extending between said arms, a pair of spaced parallel track members extending between and connected to said base and arms in perpendicular relation to said plate, each track connecting with one arm, a supporting plate mounted on said track members in parallel relation to said glass plate for movement toward and from said glass plate for receiving copy such as books of varying thickness to be supported on said supporting plate for movement toward and retention against said glass plate, and manually operable means for moving said supporting plate on said track members.

2,184,699
THERMOSTATIC SWITCH
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 24, 1936, Serial No. 76,187
9 Claims. (Cl. 200—113)

1. A thermostatic switch comprising a fixed contact, a second contact movable into and out

of electrical connection with the fixed contact, a shifting member movable back and forth between two positions and connected to the second contact for so moving the same into and out of such electrical connection, a resilient member fixed at one end and having its opposite end connected to said shifting member for normally holding the latter in one position, said resilient member being adapted for disposition to move the shifting member away from such normal position, a member electrically connected at one end to the fixed contact and at its opposite end to

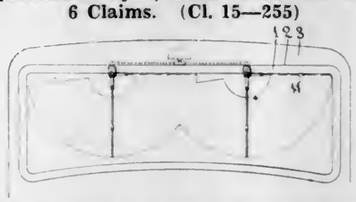


the second contact and thermally expansible when conducting a predetermined current and contractible in the absence of such current, and insulating means connecting said thermally responsive member directly to the resilient member between the ends of the latter and normally distorting the latter to hold the shifting member away from such normal position whereby when the thermally responsive member expands the distortion of the resilient member is relieved to permit the latter returning to its normal position for urging the shifting member to its normal position.

2,184,700

WINDSHIELD CLEANER

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 7, 1936, Serial No. 89,386
6 Claims. (Cl. 15—255)



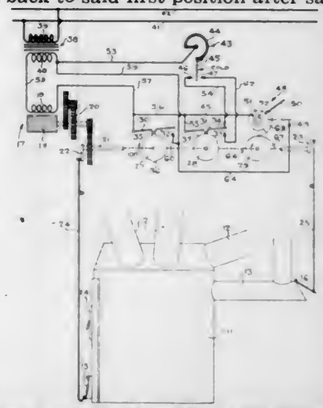
1. The combination with a swingingly adjustable windshield of a motor vehicle, of a wiper pivotally mounted on the windshield and provided with an actuating crank arm, a drive shaft mounted on the adjacent portion of the vehicle to which the windshield is pivoted and provided with a crank arm, and a push-pull member connected to each of the two crank arms by play joints permitting the opening of the windshield and still maintaining operative relation with both crank arms.

2,184,701

DAMPER REGULATOR

John P. Kriechbaum and Carl G. Kronmiller, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 2, 1936, Serial No. 57,221
2 Claims. (Cl. 236—16)

1. In combination, a furnace, dampers therefor movable between draft retarding and draft producing positions, a damper actuating device, a motor, non-releasable connections between said motor and said damper actuating device to cause movement of the latter by the former, means responsive to a condition for initiating movement of said motor upon said condition assuming an undesired value, means for maintaining said motor in operation until the dampers have assumed either said draft retarding or draft producing position depending upon the value of said condition, further motor controlling means normally in a first position wherein it is inoperative to control said motor and being manually movable to a second position wherein it is operative to initiate movement of said motor independently of said condition responsive means, and means driven by said motor for moving said controlling means back to said first position after said motor

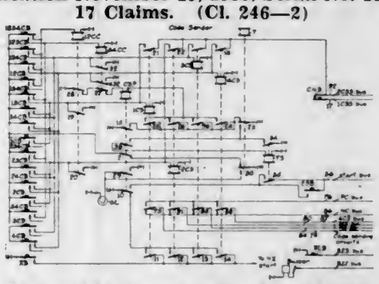


is under control of said maintaining means, whereby said motor slowly operates both of said dampers through a firing range and, if the condition responsive device remains in the same controlling position, back to the position occupied prior to actuation of said further controlling means, said connections between said motor and said damper actuating device including means to cause said motor to drive said dampers sufficiently slowly that ample time is provided for firing while said dampers are passing through said firing range.

2,184,702

TRAIN DESCRIBER SYSTEM

Robert M. Phinney, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 19, 1936, Serial No. 111,671
17 Claims. (Cl. 246—2)

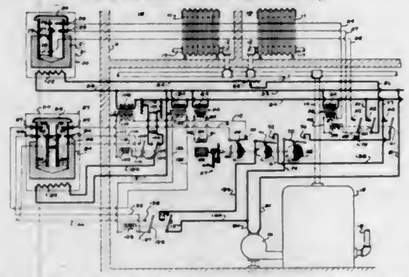


1. In combination; a plurality of train describer units; each unit comprising a plurality of storage relays which by being energized or de-energized describe the destination of a train, and a transfer relay having contacts in the in-put transfer pick-up circuits of said storage relays for allowing or not allowing a train description to be registered in such unit; of a two-position multiple contact switch connecting the out-put transfer wires of one unit to the in-put wires of one or the other of the two other units depending on its position, said two-position multiple contact switch by its position reflecting the position of a track switch over which said train moves; and means including a track relay associated with said track switch and one of said transfer relays for transferring a train destination stored in one of said units to one or the other of the other two of said train describer units depending on the position of said two-position multiple contact switch.

2,184,703

TEMPERATURE CONTROL SYSTEM

Charles B. Spangenberg, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 13, 1936, Serial No. 63,726
11 Claims. (Cl. 236—46)

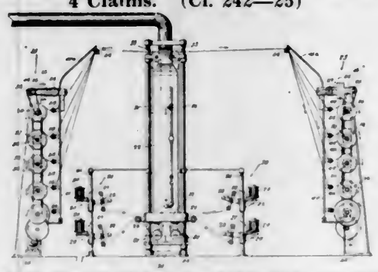


1. In a temperature control system for a building for providing a variable morning pick-up following a night shutdown, the combination of heating means for the building, a controller maintained at a predetermined high temperature, time means operative at a given time in the morning to allow the controller to cool, thermostatic means responsive to the temperature of the controller for placing the heating means in operation when the controller temperature decreases to a given value to restore the building temperature to normal, and means for adjusting the rate of cooling of the controller.

2,184,704

ENAMELING MACHINE

David S. Starring, Greens Farms, and George B. Horn, Fairfield, Conn., assignors to Wheeler Insulated Wire Company, Bridgeport, Conn., a corporation of Connecticut
Application December 17, 1936, Serial No. 116,284
4 Claims. (Cl. 242—25)



1. A device of the type described, comprising a supporting post; a plurality of spools; means, including a plurality of spindles journaled at their centers in the post, one spindle for each pair of spools, for mounting said spools for rotation on said post; means for driving the spindles in unison; a frame; means for mounting the frame on the post for reciprocative movement relatively to the spools; a plurality of wire-guiding pulleys carried by the frame, one pulley for each spool, and each pulley being adjacent its associated spool; a second plurality of pulleys of like number, carried by the frame and disposed laterally of the first plurality of pulleys to receive and guide the strands to the first-mentioned pulleys; and means for reciprocating the frame simultaneously with turning of the spools.

2,184,705

REFINING AND PRODUCING ALUMINUM

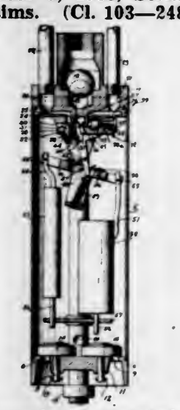
Charles B. Willmore, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1939, Serial No. 295,348
10 Claims. (Cl. 75—68)

1. The process comprising forming a mixture comprising aluminum and a halide, heating said mixture in an atmosphere effectively inert to aluminum to vaporize therefrom metallic aluminum and halide, condensing the resulting vapors and separating the aluminum from the condensate.

2,184,706

AIR OPERATED GASOLINE, WATER, OR OTHER FLUID PUMP

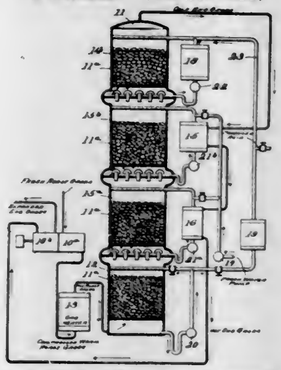
Frank M. Bennett, Joplin, Mo.
Application October 5, 1938, Serial No. 233,453
2 Claims. (Cl. 103—248)



1. In a compressed air operated pump of the character described, a cylinder having valved fluid inlets at its lower end, an air exhaust and compressed air inlet at the upper end of the cylinder, separate valves for the air exhaust and compressed air inlet, a tensioned lever having a pair of arms respectively engaged with the valves for sequential operation thereof and normally held at its limits of pivotal movements in opposite directions, fluid delivery means associated with the cylinder and float operated means for the operation of the tensioned lever, the air exhaust control valve being supported on its lever arm and positively closed on its seat by upward movement of said arm, said exhaust valve gravitationally opening upon lowering movement of its supporting arm, the compressed air inlet valve being spring pressed to closed position on its seat, and the float operated means including a lever having adjustable abutments thereon movable into engagement with the tensioned lever at a

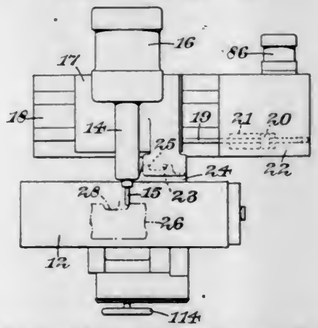
point adjacent the limits of movements of said float operated lever for causing the tensioned lever to move with snap action for the operation of the exhaust and inlet valves.

2,184,707
PRESSURE SYNTHESIS OF SULPHURIC ACID
Ernst Berl, Allegheny County, Pa.
Application November 18, 1936, Serial No. 111,550
In Great Britain November 22, 1935
5 Claims. (Cl. 23—168)



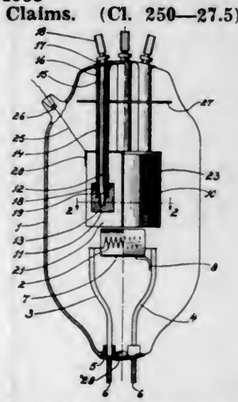
1. The method of manufacturing sulphuric acid which comprises reacting a solution of nitrosyl sulphuric acid in sulphuric acid with roast gases containing sulphur dioxide at a pressure between about 30 and 50 atmospheres to cause an absorption of said sulphur dioxide in said solution whereby oxidation of said sulphur dioxide by said nitrosyl sulphuric acid occurs in the liquid phase.

2,184,708
MILLING MACHINE
John Thomas Bolas, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application March 24, 1939, Serial No. 263,977
In Great Britain May 28, 1938
1 Claim. (Cl. 90—13.5)



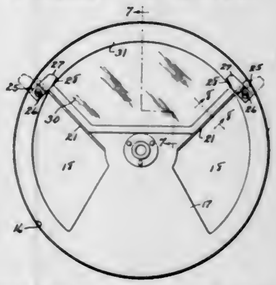
A milling machine comprising a cutter to co-operate with the work and a feeler to co-operate with a pattern, a reciprocating hydraulic motor for traversing the feeler with respect to the pattern and the cutter with respect to the work, valve mechanism associated with said motor for automatically reversing it, electrical control-means actuated by pressure between the feeler and pattern, an interconnection between said electrical control-means and the said valve, a rotary hydraulic motor to drive an intermittent depth-feed, an escapement normally operative to lock the motor against rotation and a pneumatic relay actuated by said electrical means to release the escapement whenever the feeler abuts against the pattern.

2,184,709
RECTIFIER TUBE
Johannes Bruijnes, Mount Vernon, N. Y., and Daniel Marie Duinker and Johannes Gijsbertus Wilhelm Mulder, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Original application August 6, 1934, Serial No. 738,758. Divided and this application January 17, 1938, Serial No. 185,456. In Germany August 7, 1933
2 Claims. (Cl. 250—27.5)



1. A rectifier tube for rectifying alternating voltages of a peak value of at least 250 volts comprising, an envelope, an incandescible cathode, a cylindrical-shaped screen of conductive material forming a plurality of cavities having sector-shaped cross sections, an anode within each of said cavities and having a sector-shaped cross-section, said screen separating said anodes from each other and substantially enclosing each anode while allowing access of the main discharge thereto, and a gaseous filling comprising saturated mercury and an inert gas.

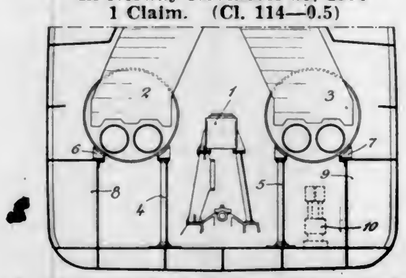
2,184,710
SHUTTER FOR MOTION PICTURE MACHINES
Louis R. Cobb, Hopkinsville, Ky.
Application May 23, 1938, Serial No. 209,581
4 Claims. (Cl. 88—19.3)



4. A shutter for motion picture projecting ma-

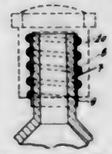
chines, comprising a peripherally flanged flat circular body, said body including an opaque segmental obscuring blade portion, segmental openings on opposite sides of said blade portion, said body having a segmental opening diametrically opposed to said opaque blade portion and located between and separated from said two other openings by narrow spoke portions, said spoke portions having longitudinal flanges, a counterpart holder frame having an arcuate peripheral flange to abut the peripheral flange of said rotatable body and having a straight flanged opposite side, said arcuate and straight portions being connected by flanged diagonal end portions arranged to abut the flanged spoke portions of the rotatable body, means for detachably engaging the straight side portion of said holder frame with the adjacent central portion of the rotatable body, means for releasably fastening the opposite peripheral corner portions of the holder frame to the adjacent peripheral portion of said rotatable body, and an intercepting panel insertable between said rotatable body and said holder frame, said panel including a counterpart segmental frame and a sheet of colored transparent material covering the segmental opening in said rotatable body when the panel is secured thereon.

2,184,711
ARRANGEMENT OF MAIN BOILERS FOR STEAMSHIPS
Olaf Damsleth, Tonsberg, Norway, assignor to Kaldnes Mek. Verksted A/S, Tonsberg, Norway
Application November 16, 1937, Serial No. 174,872
In Norway November 25, 1936
1 Claim. (Cl. 114—0.5)



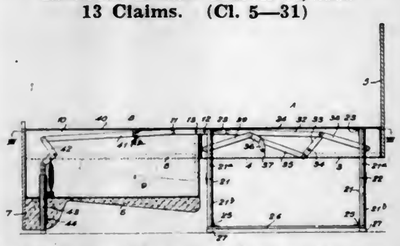
A power plant for steamships comprising a main engine, two main boilers therefor located on opposite sides of said engine with their axes extending in the longitudinal direction of the ship and columns supporting said boilers at such a height above the engine room floor so that the undersides of said boilers are readily accessible and there is a free space below said boilers.

2,184,712
CONTAINER
Ernst Walter Fleissig, Vienna, Austria
Application August 31, 1936, Serial No. 98,805
In Austria January 1, 1936
8 Claims. (Cl. 221—60)



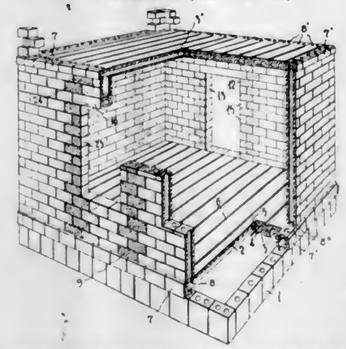
1. In a container made from material of the nature of paper, millboard, and the like of the type having a neck formed in one piece with the body, at least two annular members fitted over the said neck cooperating with each other and with the neck to keep the neck and the upper part of the body of the container in shape, one of said annular members serving as a packing for a closure member.

2,184,713
ARTICLES OF FURNITURE, SUCH AS BED-CHAIRS AND BED SETTEES
Charles Frech and John Eric Nilsson, London, England
Application March 29, 1938, Serial No. 198,767
In Great Britain March 14, 1938
13 Claims. (Cl. 5—31)



1. An article of furniture for use as a chair or bed, including: a chair base comprising a frame adapted to rest on the floor, side members, a transverse mattress support connecting the side members, elevating means respectively connected to the frame and side members; vertically disposed hinge bars pivotally connected to said side members and operatively connected at their lower ends with said elevating means; a seat unit including a transverse mattress support, means pivotally connecting the seat unit with the hinge bars above their points of pivotal connection with the side members, and means carried by the seat unit for engaging the rear side of the hinge bars as the seat is tilted to overturn forwardly and downwardly to move said bars and actuate said elevating means to raise the mattress support of the chair base so that it will be in horizontal alinement with the mattress support of the overturned seat.

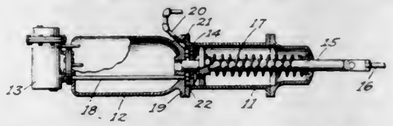
2,184,714
BUILDING CONSTRUCTION
Olen I. Freeman, Atlanta, Ga.
Application October 28, 1937, Serial No. 171,547
6 Claims. (Cl. 72—1)



1. A combined column and masonry building unit for the vertical walls of a building, comprising a precast concrete hollow column, a plurality

of oppositely disposed masonry blocks integral with said column and extending horizontally from each side thereof in vertically aligned rows, the blocks of one row being arranged in staggered relation to the complementary blocks of the other row, said unit extending from floor to ceiling beams and reinforcing means embedded in said column.

2,184,715
WARNING SIGNAL FOR AIR BRAKES
Herman S. Fromhart, Kamloops, British Columbia, Canada
Application June 21, 1937, Serial No. 149,491
3 Claims. (Cl. 116—55)



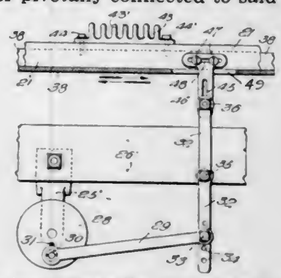
1. In combination with the brake cylinder of a railway brake system, brake operating means in said cylinder, a reservoir for air under pressure, means for controlling admission of air from said reservoir to said cylinder to move said brake operating means to brake applying position, an air operated audible whistle, a conduit connecting said whistle with said cylinder to supply said whistle with air under pressure admitted to said cylinder from said reservoir, said whistle being operable simultaneously with the admission of air to said cylinder when brake application is initiated, and means for interrupting operation of said whistle during brake application.

2,184,716
METHOD OF MAKING AN ALLOY
Wilhelmus Hermsen and Francis Joseph Delves, Paris, France
No Drawing. Application February 17, 1938, Serial No. 191,111. In Great Britain February 26, 1937
2 Claims. (Cl. 75—162)

1. The method of producing a copper-aluminium alloy which comprises the steps of heating a selected quantity of pure copper in a suitable receptacle to about 1160° C. in a furnace, withdrawing the receptacle containing the molten copper from the furnace and allowing the copper to cool to about 950° C., heating pure aluminium in the form of small fragments, such as chips or shavings, to about 150° C., adding said fragments of aluminium to the copper, and mixing the two metals to cause them to become alloyed, the proportions by weight of the alloying metals being so selected as to obtain an alloy comprising 89.50% to 92.50% of copper and 10.50% to 7.50% of aluminium.

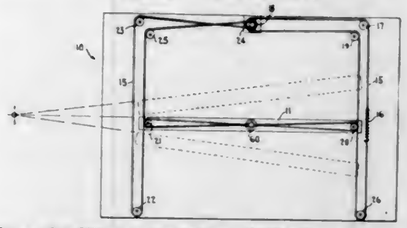
2,184,717
DRAWING TRAVERSE
William Franklin Lee, Glendale, S. C.
Application July 6, 1939, Serial No. 283,109
1 Claim. (Cl. 19—133)

In combination with a drawing machine having drawing rollers and a sliver coiler shaft, a reciprocating traverse bar arranged adjacent the drawing rollers, means for operating said bar to prevent grooving of the rollers, said means operable from a take-off on the sliver coiler shaft and comprising a worm secured to said shaft, a transverse shaft connected to the drawing frame and geared to the worm, a drive wheel carried at the opposite end of said transverse shaft, a drive arm pivotally connected to said drive wheel, a drive lever pivotally connected to said drive arm,



said drive lever pivotally connected to the drawing frame, and connecting means for said traverse bar with said drive lever.

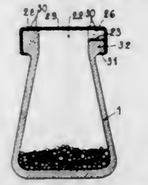
2,184,718
DRAFTING APPARATUS
Guillermo Castro Lopez, New York, N. Y.
Application June 28, 1938, Serial No. 216,335
1 Claim. (Cl. 33—77)



In a drafting apparatus of the type including a sliding straight edge having a flexible element attached to each end thereof, the flexible elements being associated by a differential pulley whereby the ends of the straight edge, when moved, travel in a common direction but at different rates; an improved differential pulley comprising an upwardly extending firmly mounted standard presenting a pulley shaft; a plurality of freely rotatable essentially circular plates on said shaft; means for spacing said plates with respect to each other and for holding same in cooperative relation, said means comprising washers interposed between said plates and screws passing through said plates and said washers, engaging with the plates to hold plates and washers in fixed relationship; a plurality of interengaging rings, interlocking with cutaway formations in said washers and positionable between said plates to provide a pair of pulleys each of variable radius; and means for retaining said pulleys upon said shaft without inhibiting free rotation thereof.

2,184,719
MILL FOR GRINDING PEPPER, SALT, SUGAR, COFFEE AND THE LIKE
Jean Mantelet, Bagnolet, France, assignor to Mantelet & Boucher (Societe en nom collectif), Bagnolet (Seine), France
Application July 23, 1937, Serial No. 155,314
In Luxemburg August 18, 1936
3 Claims. (Cl. 83—13)

1. A condiment mill, comprising an open container and a delivery cap over the container opening, said container being formed with an integral neck portion adjacent said opening, the top surface of said neck portion being shaped into gradients adapted to co-operate with said cap in crushing and delivering the condiment by a relative rotation of said container and cap, and seat surface elements between said gradients at the outer



ends thereof and extending in one top plane, and means for rotatably holding said cap in seating engagement with said surface elements, thereby to provide operative engagement between said cap and said gradients.

2,184,720
PREPARATION OF VITAMIN B_1 AND ITS ANALOGOUS SUBSTANCES
Taizo Matukawa, Kyoto, and Masaki Ohta, Osaka, Japan, assignors to Kabushiki-Kaisha Takeda Chobei Shoten, Higashi-ku, Osaka, Japan
No Drawing. Application October 24, 1938, Serial No. 236,782. In Japan November 1, 1937
1 Claim. (Cl. 260—251)

A process for preparing vitamin B_1 which comprises reacting 2-methyl-4-amino-5-formaminomethyl-pyrimidine with γ,γ-diaceto-γ-mercaptopropylalcohol and glacial acetic acid containing hydrochloric acid.

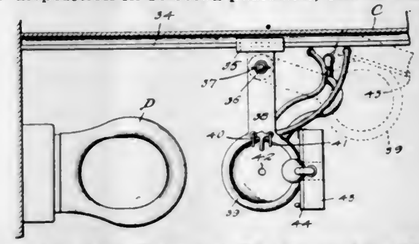
2,184,721
SCINTILLATING SIGN
Wallace G. McIlvanie, Yakima, Wash.
Application March 17, 1939, Serial No. 262,513
7 Claims. (Cl. 40—139)



1. A scintillating sign comprising a vertically disposed housing having a front window, a plurality of spaced horizontally disposed shafts mounted in the housing and located approximately in a vertical plane, an elongated reflecting plate secured to each shaft, said plates disposed normally in vertical alignment, indicia being applied to the plates so that the letters forming said indicia will extend over more than one plate, and means for rocking alternate plates in opposite directions for alternately deflecting and aligning the plates.

2,184,722
TOILET APPLIANCE
George E. McLoughlin, Philadelphia, Pa.
Application November 17, 1937, Serial No. 175,130
2 Claims. (Cl. 4—169)

1. In a lavatory or toilet room equipped with the usual flush bowl or toilet, a unit consisting of a wash basin and an article cabinet, said unit being movably mounted upon a wall of the room for disposition in selected positions, one of which



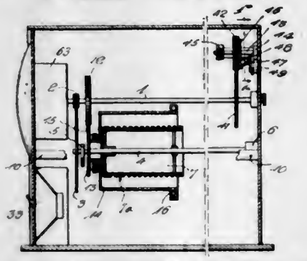
is immediately adjacent and in front of the flush bowl for use by one occupying the same, said basin and cabinet unit being slidable and swingable in a horizontal direction along the wall.

2,184,723
TRAVERSING ROLL FOR WINDING AND LIKE MACHINES
Edward F. Parks, Providence, R. I., assignor to Universal Winding Company, Cranston, R. I., a corporation of Massachusetts
Application February 24, 1938, Serial No. 192,350
12 Claims. (Cl. 242—43)



1. A strand-traversing roll for winding and other machines comprising a plurality of interfitting cylindrical sections shaped at their ends to form grooves on its periphery extending helically in opposite directions and adapted to receive and guide a strand or strands.

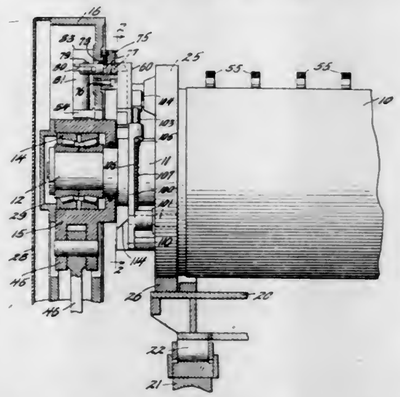
2,184,724
TIME SWITCH AND CONTROL SYSTEM
Thorvald A. Solberg, Washington, D. C.
Original application May 15, 1936, Serial No. 80,013. Divided and this application January 20, 1938, Serial No. 185,987
7 Claims. (Cl. 58—14)



4. In a time-controlled signalling system, a clock mechanism, electrical signalling means having power supply and signalling circuits therefor, a trio of switch contacts including a pair of extended arcuate shaped coextensive contacts connected in said power supply circuit and a substantially shorter arcuate shaped contact disposed adjacent one end of the aforesaid pair of contacts and coextensive with a portion thereof, connections from the last said contact

and one of the aforesaid contacts to said signalling circuit, a switch arm rotated in a fraction of an hour by said clock mechanism and adapted to bridge said trio of contacts, said switch arm being engaged with said pair of contacts along the extended portion thereof beyond said shorter contact for a predetermined time prior to engagement thereof with said shorter contact, whereby said power supply circuit is conditioned prior to the operation of said signalling circuit in fractional hour periods.

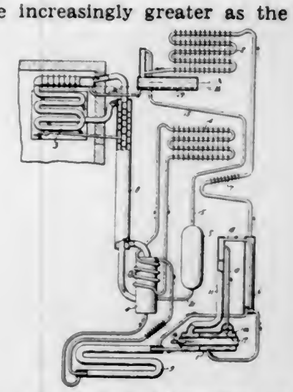
2,184,725
PRINTING PRESS
Anton Stobb, Elizabeth, N. J., assignor to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application February 10, 1939, Serial No. 255,747
10 Claims. (Cl. 101—409)



1. In a printing press of the class described, in combination, a supporting frame, an impression cylinder, a gripper shaft oscillatably mounted in said cylinder, and cylinder grippers on said shaft adapted to be actuated to clamp a sheet to be printed and to release the printed sheet for delivery from the cylinder, automatic actuating means for said grippers comprising a tumbler member on said shaft adapted to oscillate therewith to and from its opposite limits of movement in gripper opening and closing directions, a pair of alternately operative studs slidably mounted in said frame adjacent said cylinder and adapted to be alternately projected into the path of said tumbler member to swing it in opposite directions, and means actuated by said tumbler member for automatically actuating said studs.

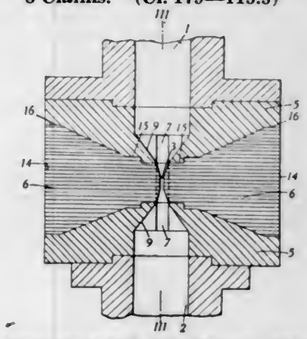
2,184,726
REFRIGERATION
Hugo M. Ulistrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 1, 1937, Serial No. 134,203
4 Claims. (Cl. 62—119.5)

1. In a refrigeration system employing evaporation of refrigerant fluid in the presence of inert gas, absorption of refrigerant fluid into liquid absorbent, and expulsion of refrigerant fluid from solution in the absorbent, that improvement which consists in forming an accumulation of refrigerant fluid in liquid phase apart from the liquid absorbent upon increase in load, and increasing said accumulation by adding amounts which are increasingly greater as the load in-



creases to correspondingly decrease the concentration of refrigerant fluid in solution.

2,184,727
ELECTROACOUSTIC TRANSLATING DEVICE
Peter William Willans and Launcelot Edgar Currah, London, England
Application June 19, 1937, Serial No. 149,272
In Great Britain June 26, 1936
8 Claims. (Cl. 179—115.5)

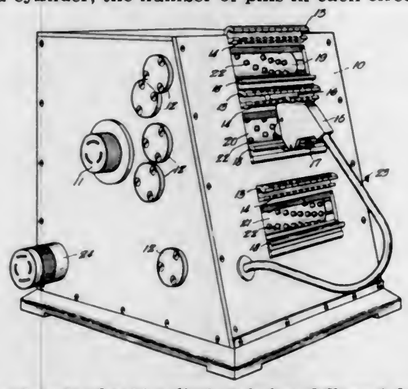


1. An electroacoustic translating device comprising a magnet having a magnetic gap between its pole pieces, a conduit having its longitudinal axis passing through said magnetic gap for directing sound waves across said magnetic gap, said conduit being constricted in the region of the pole pieces to form in conjunction therewith an elongated rectangular orifice defining said magnetic gap, and an elongated strip of conducting material extending lengthwise of said orifice, the longitudinal axis of said elongated strip being at right angles to the magnetic field of said magnet and to the longitudinal axis of the conduit, there being a relatively small clearance betwen each of the side edges of said elongated strip and the corresponding side wall of said orifice, and the cross-sectional area of said elongated strip being substantially less than the normal cross-sectional area of said conduit.

2,184,728
METRONOME
John O. Aalberg, Los Angeles, Calif., assignor to RKO Studios, Inc., a corporation of Delaware
Application May 21, 1937, Serial No. 143,881
7 Claims. (Cl. 200—30)

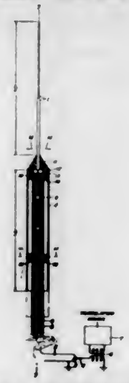
2. A device for producing predetermined uni-

form electrical impulses comprising a plurality of cylinders arranged with their axes parallel to one another and in a substantially vertical plane, a plurality of pins on each of said cylinders, the pins on each cylinder being arranged in circular rows and in planes perpendicular to the axes of said cylinder, the number of pins in each circular



row of each of said cylinders being different from the number of pins in the other rows of said cylinder, means interconnecting said cylinders and adapted to rotate each of said cylinders at a different speed, and a contact device having means for removing and locking said device adjacent each of said cylinders.

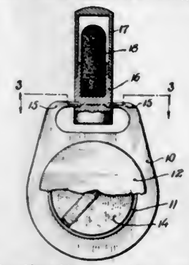
2,184,729
ANTENNA SYSTEM
Arnold B. Bailey, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1937, Serial No. 137,098
11 Claims. (Cl. 250—33)



1. A radio system comprising a radiator and a transmission line connected thereto, a support for said system, a portion of said line and a portion of said support being enclosed by said radiator.

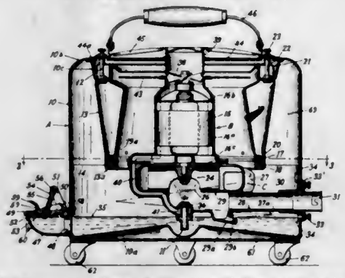
2,184,730
COSMETIC CONTAINER
Arthur R. Botham, New York, N. Y., assignor to Coty, Inc., Wilmington, Del., a corporation of Delaware
Application November 18, 1938, Serial No. 241,099
4 Claims. (Cl. 132—79)

1. A cosmetic assembly comprising a base for supporting a compact thereon and arms formed integral with said base at one end thereof and



extending longitudinally in the same plane as said base, said arms being adapted to swingably connect a cosmetic stick to said base.

2,184,731
VACUUM CLEANER
Charles A. Brewer, Noroton Heights, Conn., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application April 25, 1936, Serial No. 76,314
3 Claims. (Cl. 183—8)

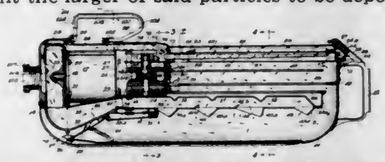


3. A vacuum cleaner comprising a casing having an air outlet opening adjacent the top thereof, a perforated member in said opening for separating foreign matter from the air discharged from said casing, a motor housing in said casing, means for supporting said housing above the bottom of said casing, a motor in said housing, means connecting said housing with the atmosphere exterior of said casing, fan means driven by said motor for drawing air into said housing, means adjacent said opening and driven by said motor for subjecting the air discharged from said casing to centrifugal action, a fan housing having a discharge opening communicating with the interior of said casing and an inlet opening communicating with the interior of said casing and an inlet opening communicating with the exterior of said casing, a suction fan in said fan housing drivably connected to said motor, a quantity of liquid confined in said casing, and means rendered operative by the discharge from said first named fan means for lifting said liquid and spraying the same into the air stream created by said second-named fan.

2,184,732
VACUUM CLEANER
Charles A. Brewer, Noroton Heights, Conn., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 11, 1936, Serial No. 84,624
5 Claims. (Cl. 183—7)

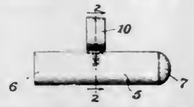
1. In gas cleaning apparatus, means for creating a flow of a gaseous medium having particles

of foreign matter entrained therewith, an electrified member adapted to attract said particles, flow directing means including a series of baffle plates whereby said medium is subjected to changes of course and reductions in velocity to permit the larger of said particles to be deposited



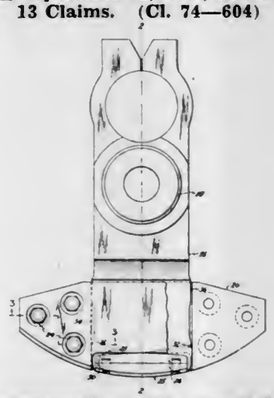
by gravitational forces and thereafter directing said medium over said electrified member, detachable receptacle means adjacent said member, and scraping means operative upon the detaching of said receptacle from said apparatus for removing said attracted particles from said member and depositing the same in said receptacle.

2,184,733
STEEL FOR MUSICAL INSTRUMENTS
Herbert E. Burgien, Norristown, Pa.
Application February 24, 1939, Serial No. 258,298
7 Claims. (Cl. 84—319)



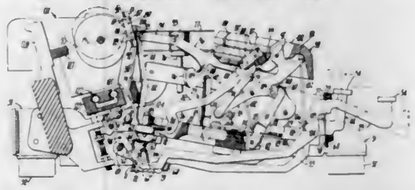
1. A steel for use in pressing the strings of a musical instrument, comprising a bar, a finger band having a recess in the inner side thereof, and a connecting screw between the bar and band, passing through the band and into the bar, and having its head seated in the recess.

2,184,734
ROCKING DYNAMIC DAMPER
Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J., a corporation of New York
Application September 21, 1935, Serial No. 41,541
13 Claims. (Cl. 74—604)



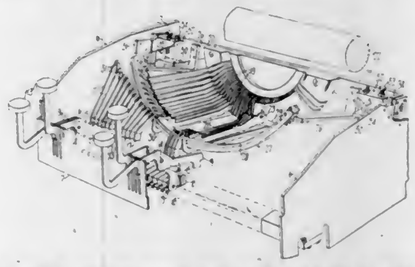
1. The combination with a crankshaft extension member and a counterweight member, one embracing the other for limited relative movement, of projections extending in a longitudinal direction from and rigid with the embraced member against which said embracing member abuts, and relatively convex tracks directly engaged one with the other for rolling rocking contact carried by the projections and embracing member forming the abutments therebetween.

2,184,735
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 23, 1936, Serial No. 107,175
23 Claims. (Cl. 197—30)



4. A front-strike typewriter of the noiseless class having a platen, an array of type-bars pivotally mounted to swing rearwardly from below the printing line through arcs to the line of printing on the platen, each type-bar carrying a type which impresses the platen in a line perpendicular to the tangent of the platen at the printing point, a toggle having a pivotal connection with and sufficiently near the top of said type-bar to eliminate completely any flexing of the type-bar when the toggle is actuated, a front segment, said toggle being pivotally mounted on said segment in substantially the same plane as the platen axis, a secondary toggle having a link and being pivotally mounted below the type-bar pivot, and a key-lever connected with said first toggle.

2,184,736
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application August 4, 1937, Serial No. 157,236
17 Claims. (Cl. 197—22)



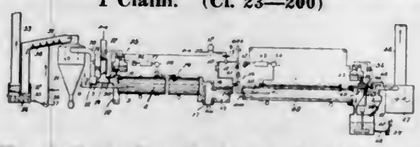
1. In a typewriting machine having a framework and a platen carried thereon, in combination, a series of type-bars including drive-arms defining a type-bar basket mounted for case-shift movement relative to said platen, means for shifting the type-bar basket in a case-shift movement, a system of key-levers, a series of sub-levers fulcrumed at their lower ends and extending upwardly therefrom across the system of key-levers and in front of the type-bar basket, means operably connecting said key-levers to said sub-levers, and a series of links operably connecting said sub-levers to said type-bar arms and bowed downwardly to form a trough for disposition of said type-bar basket therein.

2,184,737
NECKTIE
James Fallar, Forest Hills, N. Y.
Application October 26, 1938, Serial No. 236,977
2 Claims. (Cl. 2—146)



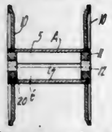
1. A lining for a self-drape necktie having a tendency when knotted to fold transversely along definite, longitudinal lines, which lining comprises two longitudinally elastic plies of fabric, a base ply varying in width with variations in the width of neckties, the marginal side edges thereof diverging at the end to be knotted, and a reinforcing ply of substantially the same total width throughout and of lesser width than the narrowest portion of the base ply, the reinforcing ply being split longitudinally throughout the portion to be knotted forming two narrow strips of substantially uniform width and of substantially the same width, the two strips diverging and being stitched along the marginal edges of the base ply, whereby the diverging relation of said strips will be retained and a long tying range or area will be provided in which a self-drape knot can be formed at any one of a plurality of selective points.

2,184,738
PRODUCTION OF IRON OXIDE
Peter Fireman, Lambertville, N. J., assignor to Magnetic Pigment Company, New York, N. Y., a corporation of New York
Application July 23, 1938, Serial No. 220,842
1 Claim. (Cl. 23—200)



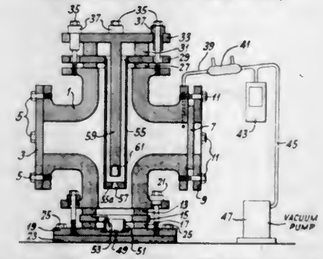
The method of producing a red oxide of iron of fine texture and purity from commercial copperas which comprises maintaining an uninterrupted flow of finely divided copperas from a source of supply and subjecting the finely divided copperas during transit to drying at regulated temperature sufficiently low that at no stage of the drying operation is the material being treated melted in its water of crystallization and is continuously maintained in its finely divided state, to remove from the copperas six of its seven molecules of water, then transferring the resulting finely divided product to a rotating calcining zone and subjecting it during passage through said zone to heating gases at a regulated temperature sufficiently high to produce ferric oxide, maintaining a bed of material being calcined during calcination in said zone, and rotating the calcining zone at such rate that the material is mixed with the bed and is only momentarily exposed to the heated gases so that overheating is avoided, whereby ferric oxide of a fineness suitable for pigment purposes, without grinding, is obtained.

2,184,739
WIRE-TRANSPORT REEL
Lyndon F. Fyles, Rochester, Vt.
Application January 19, 1937, Serial No. 121,276
4 Claims. (Cl. 242—118)



3. A reel comprising a pair of flange members each composed of plywood and having a circular central opening therethru, a plurality of independent core sections spaced one from the other and each composed of plywood and having an external groove in proximity to each end thereof and receiving an inner portion of a flange member, and a plug composed of plywood and disposed within said core sections interiorly of each flange member and serving to retain the flange member and the core sections in interengaging relationship.

2,184,740
MERCURY ARC OSCILLATOR
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 8, 1937, Serial No. 178,695
16 Claims. (Cl. 250—36)

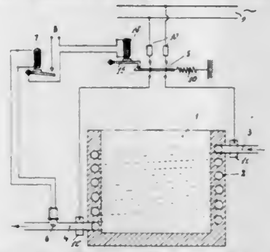


1. An arc discharge oscillator comprising a closed vessel, an apertured first anode dividing said vessel into two chambers, a second anode in one of said chambers, a mercury pool cathode in the other chamber, means for establishing an arc discharge between said cathode and said first anode, means for establishing an arc discharge between said cathode and said second anode through the aperture in the first anode, said second arc being of sufficient intensity in the aperture to expel the ionized gases therein so that the space becomes momentarily non-conducting.

2,184,741
HIGH FREQUENCY SMELTING FURNACE
Fritz Hartmann, Dortmund, Germany, assignor to Kohle-und Eisenforschung G. m. b. H., Dusseldorf, Germany, a limited-liability company
Application November 17, 1938, Serial No. 240,930
In Germany November 19, 1937
4 Claims. (Cl. 13—27)

1. In a high frequency smelting furnace, means

for avoiding breaking through, comprising in combination with a crucible and an electric circuit for heating said crucible, a main switch in said circuit, a cooling water conduit surrounding said crucible, at least one heat influenced device inserted in the cooling water, arranged in said circuit and influenced by an excessive rise in



temperature in the cooling water circulating through said conduit, and transmission elements between said device and switch and adapted to cut out said circuit through the actuation of said switch at the influencing of said device, by an excessive rise in temperature in the cooling water.

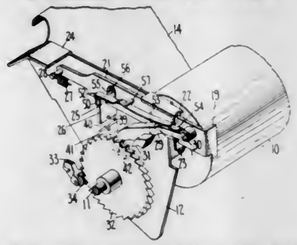
2,184,742

TYPEWRITING MACHINE

William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application March 15, 1937, Serial No. 130,939

6 Claims. (Cl. 197—114)



3. In a line-space mechanism for typewriters, having a swingable ratchet pawl and a stop, in combination, a spring mounted for rocking movement, said spring and said stop being relatively reciprocatory, said spring including an elongate portion yieldably acting upon said pawl and a detent portion adjacent the rocking axis of said spring, engageable with said stop to limit relative movement of said spring and stop, and means maintaining said spring and pawl in substantially constant relation; the engagement of said detent portion with said stop imparting the rocking movement to said spring, whereby the shock of impact is absorbed in the elongate portion of said spring.

2,184,743

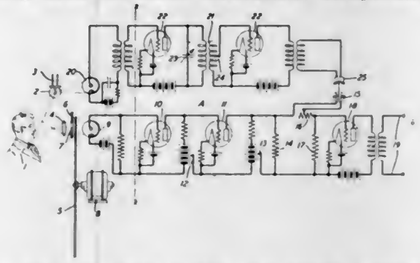
ELECTROOPTICAL SYSTEM

Arthur W. Horton, Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 23, 1936, Serial No. 92,123

6 Claims. (Cl. 178—7.1)

3. Means for electrooptically scanning an object including means for illuminating said object with light from a source of periodically fluctuating light and light sensitive means receiving light from the object to set up an image current varying in accordance with the varying tone values of successive elemental areas of said object and unwanted modulation products including components which vary as the tone values of said object, and means for neutralizing or reducing said unwanted modulation components,



said last mentioned means comprising demodulating means upon which said variable components are impressed, means for producing a separate current having the same periodic fluctuations as said source of illumination, and means under control of said separate current for controlling said demodulating means.

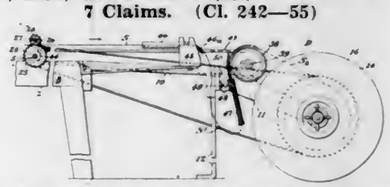
2,184,744

REELING MECHANISM

Jonas Jonassen, South Ozone Park, N. Y., assignor to Tri State Cap & Cap Machinery Co., Inc., Newark, N. J., a corporation

Original application April 29, 1933, Serial No. 668,571, now Patent No. 2,083,566, dated June 15, 1937. Divided and this application June 11, 1937, Serial No. 147,652

7 Claims. (Cl. 242—55)



1. A loop control embodying a continuously rotary web driving member, a guide tube for the web extending transversely to the normal direct line of travel of the web to produce a loop therein, and resilient means thereon to press an adjacent part of the web against the rotary driving member.

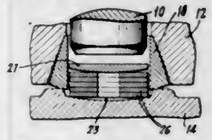
2,184,745

CUSHION FOR PILE DRIVING

William P. Kinneman, Westfield, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey

Application May 10, 1938, Serial No. 206,977

5 Claims. (Cl. 61—77)



1. Apparatus for driving a pile, comprising in combination, a hammer, a cushion comprising a spring disk, and means for holding said cushion in operative position below said hammer, for the purpose set forth.

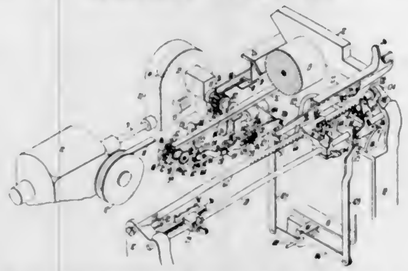
2,184,746

TYPEWRITING MACHINE

Alfred G. F. Kurowski, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application January 11, 1937, Serial No. 119,945

13 Claims. (Cl. 197—63)



9. In a typewriter having a frame and a carriage mounted for reciprocatory movement thereon, in combination, an escapement pinion rotatably mounted on the frame, a rack mounted on the carriage and in mesh with said escapement pinion, a margin-stop mounted for limited reciprocatory movement on the frame, a counter-stop on the carriage, said stops determining the initial position of a line of typing, a power-actuated carriage-return mechanism including manually settable control means resettable by said margin-stop and means actuated by said margin-stop for concomitantly operating said control means to disable said carriage-return mechanism and locking the escapement pinion against overthrow of the carriage, said locking means being releasable during retraction of said margin-stop, said disabling and locking means having a lost-motion connection to permit retraction of said margin-stop with said control means in reset condition.

2,184,747

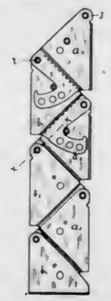
FLEXIBLE LINK BAR

Julius Lévai, Budapest, Hungary

Application November 5, 1938, Serial No. 239,190

In Hungary September 3, 1937

5 Claims. (Cl. 59—78)



1. A chain link bar of adjustable form, relatively stiff in each adjusted form, comprising in combination at least three links in series arrangement, and hinges connecting said links, said links being of U-shaped cross-section, said hinges being integral with said links, said links consisting of resilient material of an elasticty sufficent to snap said hinges into assembled position, said links overlapping each other so considerably that substantial friction and corresponding stiffness of the bar is produced by such elasticity.

2,184,748

VITAMIN PREPARATION AND METHOD FOR PREPARING SAME

Robert F. Light, Mount Vernon, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application November 5, 1938, Serial No. 239,020

6 Claims. (Cl. 167—81)

1. A process for the preparation of a vitamin B and G concentrate from yeast, which comprises plasmolyzing yeast, adjusting the pH of the mass to a value of 5.0 to 6.5, coagulating protein material by adding a coagulant belonging to the group consisting of methyl alcohol, ethyl alcohol, and ethyl acetate to a concentration of 50 to 60% of the mass whereby filter-ability thereof is increased, filtering and concentrating the filtrate so obtained at a temperature not exceeding 75–80° C.

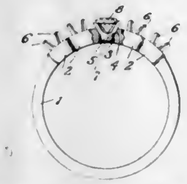
2,184,749

FINGER RING

Moe Manne and Irving Frank, New York, N. Y.

Application May 16, 1939, Serial No. 273,840

1 Claim. (Cl. 63—27)



A finger ring or similar article of jewelry comprising, a ring shank formed with a plurality of aligned apertures each of which is adapted for the reception of a gem-holding setting, each of said apertures comprising an upper cupped portion and a lower bore extending from the narrower end of the cupped portion to the inside of the shank and forming an integral continuation of the cupped portion, a setting held in each of the apertures, said setting having a pronged upper end and a lower base portion, the base portion fitting within the bore and secured therein, the pronged portion of the setting being located within the cupped portion of the aperture and being extended over a gem to hold the lower portion of the same seated in and surrounded by the cupped portion of the setting, the inside surface of the cupped portion comprising a continuous, angular and annular reflecting surface extending around the pronged upper end of the setting and exposed between the prongs thereof, said surface being directly formed on and constituting an integral part of the shank of the ring.

2,184,750

COMPARISON MICROSCOPE

Fritz Meinhardt and Hans Fricke, Wetzlar, Germany, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany

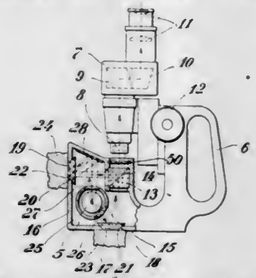
Application September 29, 1937, Serial No. 166,295

In Germany October 10, 1936

4 Claims. (Cl. 88—39)

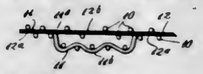
3. A comparison microscope for simultaneously comparing the images of two objects comprising a housing having two apertures at an angle to each other to expose one object through each aperture to view through the microscope, means for illuminating the objects, an optical system

in the microscope for forming the images of the two objects in side by side relation for viewing by an observer, said system including an objective directed towards one of said objects, a semi-transparent, semi-reflecting surface positioned between said objective and said objects for directing the image forming light rays from the illuminated objects to pass by transmission and of the microscope, and a mask for each object



reflection into said objective and optical system to cover complemental portions thereof leaving uncovered complemental portions of each object exposed for view and comparison, each mask having a reflecting surface at an angle to the optical axis of the microscope for the corresponding object, said mask reflecting surfaces terminating in elongated edges extending in parallelism to provide a sharp line of division between the images of the two objects as viewed.

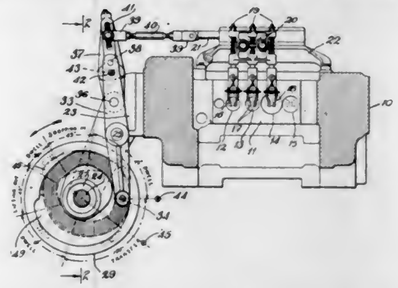
2,184,751
ELASTIC FABRIC
Philip Nathanson and George F. Hofmann, Brooklyn, N. Y., assignors to Charles Kurlan, Inc., New York, N. Y., a corporation of New York
Application October 6, 1938, Serial No. 233,617
5 Claims. (Cl. 139—421)



1. An elastic fabric with a woven design, comprising warp threads, weft threads arranged in groups consisting of an elastic thread and several cotton threads, the warp and weft threads at areas having no design being all interwoven forming a single ply area, at areas having the woven design the elastic threads being absolutely free without any interlacing on the face of the woven design, but the elastic threads on the back of the woven design being interlaced in regular form with certain of the warp threads and forming a separate interlacing in the back of the woven design, the cotton threads of the weft being interlaced in this woven design, in sequence determined by the design, but the elastic threads being interwoven only in the ground and under the woven design thereby forming raised pockets due to the contraction of the elastic threads.

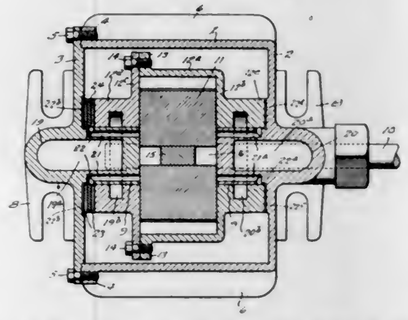
2,184,752
TRANSFER MECHANISM
John F. O'Brien, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application January 28, 1938, Serial No. 187,481
12 Claims. (Cl. 10—12)

1. The combination with mechanism having a receiving station, a spaced delivery station and a die at each station; of means for grasping a blank as it is ejected from the die at the receiving station and carrying it through a defined path



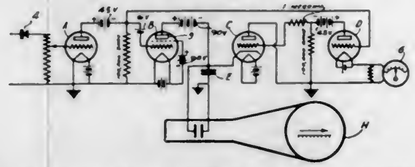
to the delivery station; and means for adjustably controlling the movement of such transfer means that its speed of approach at or near the delivery station may be accelerated or retarded.

2,184,753
ROTARY PUMP
Herbert R. Palmer, Cleveland, Ohio
Application September 1, 1937, Serial No. 161,938
7 Claims. (Cl. 103—121)



1. In a pump, the combination, with a lubricant-containing housing having opposed heads and bearings carried by said housing, of a shaft mounted in said bearings eccentrically thereof, a rotary piston secured to said shaft and rotatable therewith, a cylinder having heads and journals extending from said heads toward the housing heads and having its cylindrical wall in proximity to the bottom of said housing, said journals being mounted on said bearings concentrically therewith, a blade reciprocably mounted in said piston, means pivotally connecting one end of said blade with said cylinder, means for rotating said shaft, means controlled by the rotation of the piston for supplying fluid to and for exhausting the same from the cylinder, and means for supplying lubricant from the housing to the mounting for said blade, said means comprising restricted channels formed between the ends of the cylinder journals and the adjacent heads of the housing, the receiving ends of the said channels communicating with the interior of the housing and the delivery ends of said channels communicating with passageways formed within the said bearings, the said passageways having their delivery ends communicating with opposite sides of the mounting for said blade.

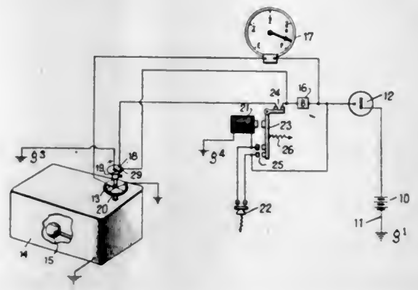
2,184,754
MEASURING SHORT WAVE NOISE LEVELS
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 2, 1935, Serial No. 52,465
5 Claims. (Cl. 178—69)



5. A circuit having means to indicate excessive disturbance in the atmospheric state of a radio channel comprising an input circuit tuned to the frequency of a radio channel to be analyzed, a first, a second, a third and a fourth electron tube, each having at least a grid-cathode circuit and a plate-cathode circuit, a rectifier connected from said signal input circuit to the grid-cathode circuit of said first tube to apply only negative half cycles of signals to said grid, the plate-cathode circuit of said first tube including a source of direct current potential and a resistance serially connected thereto, said resistance being adjacent said cathode, the cathodes of said first and second tubes being connected together, a connection from the grid of said second tube to the end of said resistance adjacent said source of potential whereby current flow through said resistance places a large value of negative potential with respect to the cathode on the grid of said second tube in absence of signals, said second electron tube also having a screen grid electrode, and means for applying a positive potential to said screen grid with respect to its cathode whereby plate current in said plate-cathode circuit of said second tube is drawn at a constant rate over a wide range of voltages, the plate-cathode circuits of said second and third tubes being connected in series, a condenser connected from the cathode of said third tube to ground to be charged by current flow in the plate circuit of said second tube during presence of signals, the grid of said fourth tube being connected to the end of the resistance in the plate-cathode circuit of said first tube adjacent its source of potential, a resistance and a source of potential serially connected in the plate circuit of said fourth tube, the fourth tube plate resistance being adjacent its cathode, a connection from the end of said last named resistance adjacent said source of potential to the grid of said third tube, said sources of potential for all of said tubes being so proportioned that said second and fourth tubes draw current during the presence of signal, and said first and third tubes in the absence of signal impulses whereby said condenser is charged during the presence of a signal impulse and discharged in the absence of a signal impulse, means connected to said condenser to indicate the duration of charge on said condenser, and a second indicating means comprising a galvanometer connected in the plate circuit of said fourth tube.

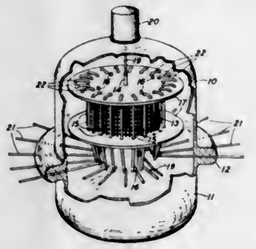
2,184,755
ELECTRICAL LIQUID LEVEL INDICATING DEVICE
Theodore Pratt, Glen Cove, N. Y.
Application January 19, 1937, Serial No. 121,262
7 Claims. (Cl. 177—311)

1. In an internal combustion engine system, an engine, a fuel container for holding fuel for said engine, means operable in response to the level of fuel in the container for affecting an electrical contact when the fuel reaches a predetermined level, an electric circuit including said contact and an alarm, a relay for controlling said circuit, manually controlled means for operating said relay to change said circuit and render said alarm inoperative, means for holding said relay



in the operated position in which said alarm is rendered inoperative after said change, and a main control switch for rendering all of said means including said relay holding means inoperative, whereby when said main control switch is operated to the off position and again placed in the on position said alarm will again be operated.

2,184,756
ELECTRIC DISCHARGE DEVICE
George H. Rockwood, Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 26, 1938. Serial No. 186,962
14 Claims. (Cl. 250—27.5)

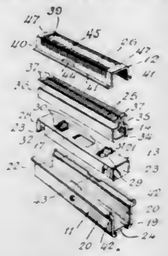


12. An electric discharge device comprising an enclosing vessel having a filling of gas, a cylindrical foraminous cold cathode, insulating discs abutting the ends of said cathode, a linear rod work anode mounted in the longitudinal axis of said cathode and supported by said discs, and a plurality of linear ignition anodes outside of said cathode and extending through said discs.

2,184,757
SHAVING DEVICE
John Samotey, Brooklyn, N. Y.
Application October 30, 1937, Serial No. 171,810
5 Claims. (Cl. 30—43)

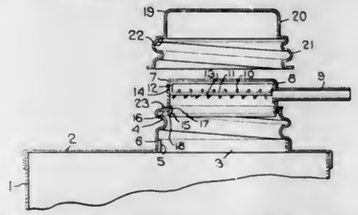
1. In a shaving device, a receptacle and shearing element having a tongue and groove connection for relative sliding engagement therebetween, and further having interlocking means thereon for releasably maintaining the shearing

element in operative position on the receptacle, and a movable cutter supported within said re-



ceptacle for cooperation with said shearing element.

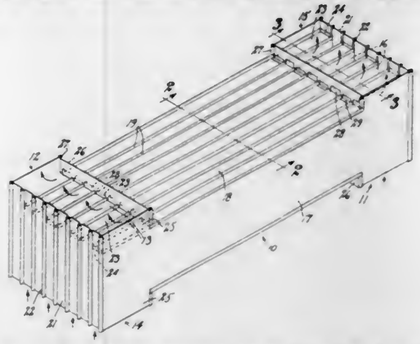
2,184,758
CONTAINER
Harry Sebell, Boston, Mass., assignor to Arthur H. Parker, Lexington, Mass.
Application May 27, 1938, Serial No. 210,389
5 Claims. (Cl. 221—27)



1. A container having an opening in one end surrounded by a screw-threaded neck, a nozzle housing secured to said neck at its upper end and extending beyond the neck, said housing being provided in its side wall beyond the neck with a nozzle-receiving opening, a nozzle within the housing, a spring for projecting the nozzle through said opening, and a cap having a housing-receiving portion within which said housing is received and a screw-threaded skirt adapted to have screw-threaded engagement with the neck.

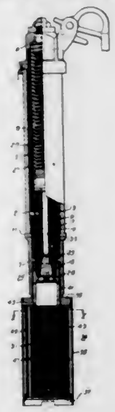
2,184,759
HEAT EXCHANGER
Bennet Carroll Shipman, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Original application July 29, 1932, Serial No. 625,936. Divided and this application April 13, 1937, Serial No. 136,530
2 Claims. (Cl. 257—245)

2. A heat exchanger comprising a casing including members forming end walls and other members forming longitudinal side walls, said casing having two openings adjacent both ends of two opposite side walls, a plurality of heat transfer plates disposed alongside of each other within said casing and engaging the side walls having the openings to provide a plurality of closely adjacent passages between said plates, said members forming the longitudinal side walls having spaced projecting end portions at the openings which extend to said end walls, said spaced projecting portions being formed and arranged to close alternate passages at the longitudinal edges of said plates and the spaces therebetween providing open passages between the closed passages, and two of the openings at opposite ends of said casing serving as an inlet and outlet for fluid flowing through alternate passages and the other two openings at opposite



ends of the casing serving as an inlet and outlet for fluid flowing through the other passages.

2,184,760
CIRCUIT INTERRUPTER
James M. Wallace, Braddock, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1937, Serial No. 174,194
11 Claims. (Cl. 200—149)

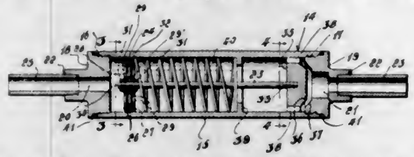


1. In a circuit interrupter, means for establishing an arc and causing a flow of gas, a chamber for receiving said gas, material in said chamber having a large area of surface with which said gas may contact, means providing a passage into said material in the chamber of sufficient size at the end nearest the point where the arc is established to permit substantially free flow of the gas into said material, and means at intervals along said passage projecting into the passage beyond the part of said material directly ahead thereof for deflecting the gas into said material.

2,184,761
DEVICE FOR MILKING MACHINES
Charlie Boyd Wier, Pineville, La.
Application March 17, 1938, Serial No. 196,559
7 Claims. (Cl. 210—166)

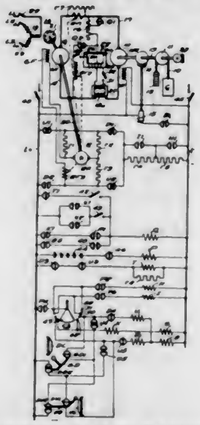
1. A device of the class described comprising a housing having an inlet and an outlet end, a valve seat formed in the outlet end of said housing, a rod

slidably mounted in said housing, a sieve member forming a partition adjacent said inlet end of the housing, said sieve member being carried by one end of said rod, a valve mounted on the opposite end of said rod and adapted to seat in said valve



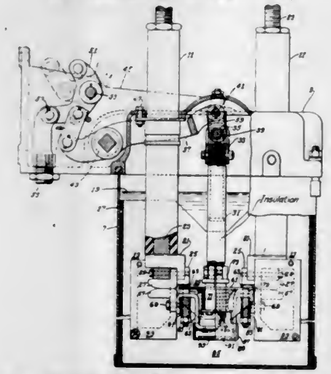
seat, and spring means normally holding said valve out of engagement with its seat to permit passage of a liquid therethrough, said sieve member being actuated by the pressure of the liquid, containing impurities, to close the valve against the action of said spring.

2,184,762
CONTROL SYSTEM
Harold W. Williams, Englewood, and Danilo Santini, Tenafly, N. J., assignors to Westinghouse Electric Elevator Company, a corporation of New Jersey
Application September 3, 1938, Serial No. 228,308
22 Claims. (Cl. 172—152)



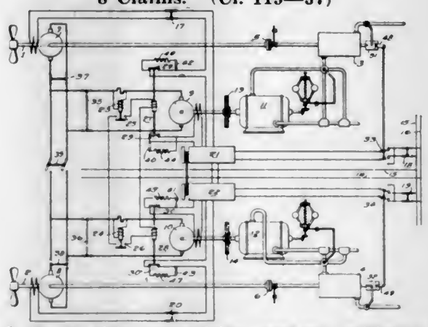
21. In an elevator system having a car serving a plurality of floors, a motor for operating the car, a generator provided with a field winding and having its armature connected in a loop circuit with the armature of the motor for energizing the motor, control means for causing the motor to start, run and stop and to level the car with any floor at which it makes a stop, a regulator for the generator, said regulator having a plurality of field windings including a voltage-responsive field winding, means responsive to operation of the control means to start the car on a floor-to-floor run for connecting the voltage-responsive field winding across the terminals of the armature of the motor to cause the regulator to supply a correcting flow of energy to the generator field winding while the car is in normal operation and responsive to operation of the control means to level the car for causing the voltage-responsive field winding to remain disconnected from the terminals of the armature of the motor when the motor starts the leveling operation for causing the regulator to supply a forcing flow of energy to the generator field winding at the start of the leveling operation, and means responsive to rotation of the hoisting motor for causing the voltage-responsive field winding to be reconnected across the terminals of the armature of the motor whereby the regulator stops its forcing action and starts its regulating action.

2,184,763
CIRCUIT BREAKER
Benjamin P. Baker, Turtle Creek, and Lloyd W. Dyer, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 24, 1937, Serial No. 176,248
21 Claims. (Cl. 200—146)



1. In a circuit breaker, a stationary contact, a cooperating movable contact, actuating means for moving said movable contact to open and to closed circuit position and means providing a lost motion connection between said movable contact and said actuating means which permits free limited movement of said contact relative to said actuating means during opening movement of said actuating means and which retards limited movement of said contact relative to the actuating means during closing movement of said actuating means.

2,184,764
SHIP PROPULSION SYSTEM
Carl Theodor Buff, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 13, 1938, Serial No. 219,043
In Germany July 17, 1937
8 Claims. (Cl. 115—37)



1. In a ship propulsion system utilizing at least two propellers, in combination, a pair of steam engines, a pair of interconnecting means having a plurality of positions adapted to couple

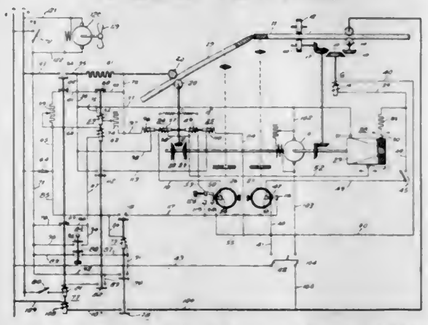
one engine to each propeller shaft, a pair of exhaust steam turbines operated, respectively, from the exhaust steam of the two engines, a motor coupled to each propeller shaft, a generator driven by each turbine, and automatically operable electromagnetic selecting switches responsive to the positions selected by said interconnecting means and the electrical characteristics of said generators adapted to automatically connect one generator to one motor and the other generator to the other motor or one generator to both motors.

2,184,765

ELECTRODE CONTROL FOR SEARCHLIGHTS

William R. Farley, Wilkinsburg, Pa., Alfred L. Atherton, Longmeadow, Mass., and Otto Gonano, East Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 19, 1937, Serial No. 149,164
19 Claims. (Cl. 176—75)



1. In a light producing arcing device, opposing arc electrodes, an electrode feed control mechanism, supplemental electrode contact control means responsive to the deenergization of the arc for causing said electrode feed control mechanism to move said electrodes into engagement, automatic arc striking means responsive to the reenergization of the electrodes for causing said electrode feed control mechanism to move said electrodes out of engagement to reestablish the arc, and position maintaining means for causing said electrode feed control mechanism to maintain a predetermined arc length.

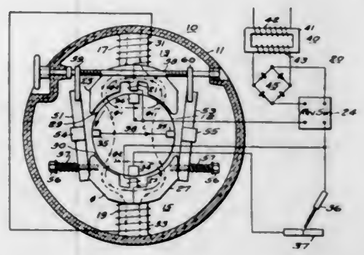
2,184,766

CROSS-FIELD GENERATOR

William R. Harding, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 27, 1937, Serial No. 176,862
5 Claims. (Cl. 171—227)

1. The combination in a generator of the cross-field type, of an armature having main and auxiliary brushes, circuit means connecting the auxiliary brushes to provide a closed armature circuit for producing a cross-field flux, field pole members having field windings positioned thereon, auxiliary polarity control means including a source of excitation and switch means for selectively connecting the source to at least one of the field pole windings to control the polarity of the residual magnetism of the field pole member, and an arcuate pole shoe member positioned between each field pole member and the armature having the surface portions adjacent the armature so positioned relative thereto as to provide air gaps therebetween of varying reluc-



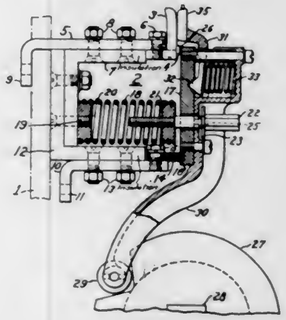
tance to prevent any increase in the no-load air gap flux without affecting the value of the cross-field flux.

2,184,767

ELECTRIC SWITCH

Walter Schaelchlin, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1936, Serial No. 93,577
4 Claims. (Cl. 200—165)



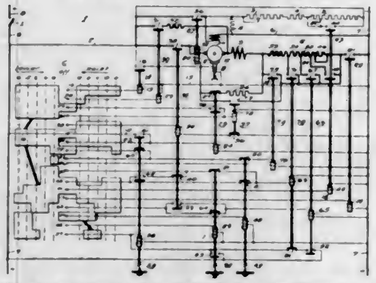
1. In an electric switch, in combination, a first stationary current carrying member, an adjustable contact member carried by said first stationary member and normally rigidly secured thereto, a second stationary current carrying member, an adjustable contact member normally rigidly secured to said second current carrying member, said second contact member having a silvered projecting end designed as a bearing, a movable arm having a recess adapted to receive the second named contact member at the silvered bearing and adapted to be rotatable about said bearing, said movable arm being provided with a contact member at the end not engaging said bearing adapted to cooperate with the adjustable contact member on the first stationary current carrying member, and operating means adapted to move said arm on said bearing portion to make and break, as desired, interconnection between the contact member of the movable arm with the adjustable contact member on the first named current carrying member, said operating means comprising a lever of the first class pivoted at said silvered bearing by virtue of which the contact pressure at said silvered bearing increases as the result of movement of said operating means.

2,184,768

HOISTING CONTROL SYSTEM

Walter Schaelchlin and Kurt Mahnke, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 8, 1938, Serial No. 228,933
17 Claims. (Cl. 172—179)



1. In a system of control for a direct current motor for operating a hoist as a cargo winch, in combination, a motor, an armature winding and a field winding therefor, means for selectively connecting the field winding either in series with the armature winding or in parallel with the armature winding, a second field winding for the motor connected in shunt relation to both the armature winding and the first field winding regardless of the character of the selective interconnection of the first field winding with the armature winding resistance means, the resistance value of which may be altered, interconnected with said second field winding, and means responsive to the current in the armature winding for altering the resistance value of the resistance to thus automatically control the current value in the second field winding.

2,184,769

ZIRCONIUM MAGNETIC ALLOY

Peter Popow Alexander, Marblehead, Mass., assignor to Metal Hydrides, Inc., Marblehead, Mass., a corporation of Massachusetts

No Drawing. Application March 16, 1937, Serial No. 131,261
11 Claims. (Cl. 148—13.1)

1. The herein described method of forming magnetic alloys of zirconium and a metal selected from a group consisting of nickel, iron and cobalt, which comprises producing a powdered alloy of the zirconium and selected metal and subjecting the powdered alloy to a temperature of not less than 345° C. and not more than 800° C.

7. A permanent magnet formed of a powdered alloy consisting of zirconium and a metal selected from a group consisting of nickel, iron and cobalt, the zirconium content of the alloy being not less than 5% or more than 40% and said alloy being heat treated at a temperature of substantially 345° C.

2,184,770

SULPHONIC DERIVATIVES

Morris B. Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill.

No Drawing. Application July 15, 1938, Serial No. 219,358
25 Claims. (Cl. 260—401)

1. Chemical compounds corresponding to the general formula

$$RO-(alk-NY)_m-CO-Z(X)_n$$

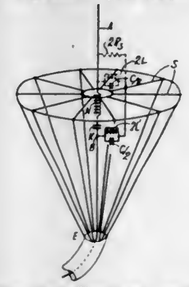
wherein R is an organic radical containing at least four carbon atoms, alk and Z are each members selected from the class consisting of hydrocarbon radicals and substitution products thereof, Y is a member selected from the group consisting of hydrogen, alkyl, cycloalkyl, alkoxyl, aralkyl, aryl, and alkylol, *m* and *w* are whole numbers, and X is a sulphonic radical.

2,184,771

ANTENNA COUPLING MEANS

Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 6, 1938, Serial No. 206,323
In Germany May 13, 1937
4 Claims. (Cl. 250—33)



1. Means for coupling an energy line to an antenna including a filter network having a characteristic impedance equal to the radiation resistance of said antenna, said network including a serially connected inductance and capacity of values equal to the capacity and inductance of said antenna and a shunt blocking circuit tuned to the operating frequency of said antenna.

2,184,772

ELASTIC TEXTILE FABRIC

Alfred Vamos, New York, N. Y.

Application August 27, 1937, Serial No. 161,173
1 Claim. (Cl. 154—48)



A laminated elastic textile fabric comprising a layer of woven textile material having substantially no stretch in a direction parallel to the warp threads or in a direction parallel to the weft threads, and a layer of woven elastic textile fabric having parallel elastic threads extending in one direction and stretchable in said direction, but non-stretchable in a direction at right angles thereto, the layer of woven textile material being disposed on a bias relative to the line of stretch of the woven elastic textile fabric, and an elastic cement binding said layers together.

2,184,773

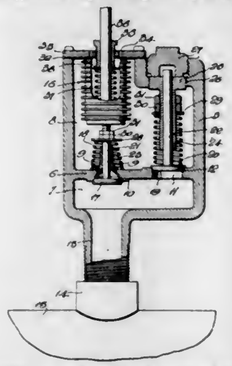
PRESSURESTAT

James E. Browning, San Antonio, Tex., assignor of one-half to Claude V. Birkhead and Werner N. Beckmann, both of San Antonio, Tex., copartners doing business as Birkhead, Beckmann, Stanard & Vance

Application April 12, 1938, Serial No. 201,636
4 Claims. (Cl. 137—156)

1. A pressurestat comprising pressure-actuat-

ed work-performing means movable in one direction when subjected to relatively high pressure and movable in the other direction when subjected to relatively low pressure, two valves, and a casing structure cooperable with said work-performing means and said valves in forming one chamber to receive the actuating pressure for said work-performing means, said casing structure having provision for so connecting it with a pressure-containing system that both of said valves control communication between the system and the one chamber aforesaid, said casing having one opening cooperating with one



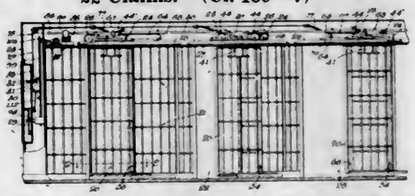
of said valves to place this one chamber in communication with the system when said one valve is subjected to a predetermined low pressure in the system, said casing also having another opening cooperating with the other valve to place the same chamber in communication with the system when said other valve is subjected to a predetermined high pressure in the system, whereby said work-performing means will be operated upon the existence of predetermined high and low pressures, said chamber being closed against entrance and exit of pressure except by way of said openings, said work-performing means being free from connection with said valves.

2,184,774

DOOR OPERATING AND LOCKING MECHANISM

James E. Browning, San Antonio, Tex., assignor of one-half to Claude V. Birkhead and Werner N. Beckmann, both of San Antonio, Tex., copartners doing business as Birkhead, Beckmann, Stanard & Vance

Application March 20, 1939, Serial No. 263,091
22 Claims. (Cl. 189—7)



1. In a door-operating and locking mechanism, a horizontally movable carriage for the door; operating means for said carriage; connecting means between said door and said carriage having provision for allowing limited horizontal movement of said carriage to an extreme position beyond its door-closed position and for allowing limited horizontal return movement of said carriage from said extreme position prior to door opening; and locking means for the door applied and released by said limited movements of said carriage.

2,184,775

METHOD OF PRODUCING HORMONE PREPARATIONS OF HIGH PURITY

Erwin Schwenk, Bloomfield, N. J., Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, and Max Gehrke, Birkenwerder, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application February 7, 1935, Serial No. 5,400. In Germany February 9, 1934
10 Claims. (Cl. 260—397)

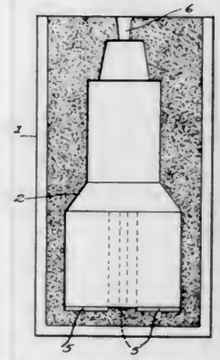
1. A method for the production of hormone preparations of high purity comprising reacting a crude preparation containing germinal gland hormones of the cyclopentano polyhydro phenanthrene series containing at least one hydroxy group, with a compound containing one group capable of condensing with the hydroxy group of said hormone, and another group capable of forming salts, separating the reaction product into a salt-forming and a non-salt-forming fraction, saponifying said fractions and treating the saponification liquid with water-immiscible solvents, and adjusting the alkalinity of said saponification liquid in accordance with the chemical constitution of the hormones present in said fractions, so as to divide said fractions into further subfractions containing the individual hormones.

2,184,776

PROCESS OF MANUFACTURING CUTTING TOOLS

William P. Cottrell, Los Angeles, Calif.

Application May 25, 1937, Serial No. 144,682
1 Claim. (Cl. 22—203)



The process comprising coating a piece of metal with a ferro tungsten alloy, and casting other metal to said coated piece of metal.

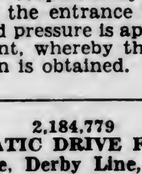
2,184,777

TAG

Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts

Application February 17, 1938, Serial No. 191,015
7 Claims. (Cl. 40—20)

7. A tag having an opening therein and comprising two parts folded together and a stiff wire bail having pivotal ends extending between said parts along the fold line, said parts being interconnected to hold said ends therebetween while leaving the ends free to revolve within the fold of the tag, whereby the bail may swing bodily



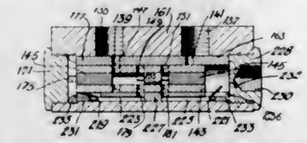
about the axis of said pivotal ends toward and from the opening.

2,184,778

REVERSIBLE MULTIPLE OUTLET FEEDER

David R. Hillis, Detroit, Mich., assignor to Trabon Engineering Corporation, Cleveland, Ohio, a corporation of Ohio

Application October 19, 1936, Serial No. 106,362
2 Claims. (Cl. 184—7)



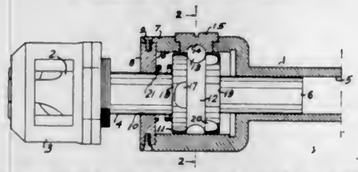
1. In combination in a fluid distributing feeder, a body having an aperture therein, a piston guide sleeve in said aperture, ports penetrating the side walls of said sleeve, a hollow ported piston slidably disposed in said sleeve for making ported connections therethrough, end fixtures on said body for closing the ends of said apertures to define fluid receiving compartments, a service port connected into each said compartment, discharge port means in said body, conduits for connecting respective sleeve ports with said discharge port means, a groove cut in the outer peripheral surface of said sleeve to the end thereof from the respective sleeve ports to define a fluid conduit connecting from each one of said compartments to one of said ports in the sleeve, and movable means in the outer end of each groove for engaging the adjacent end of the piston in its outermost position to cooperatively provide a check valve restricting the entrance of fluid into said groove when fluid pressure is applied in the adjacent compartment, whereby the positive actuation of the piston is obtained.

2,184,779

AUTOMATIC DRIVE FOR DIES

Alfred J. Kiehne, Derby Line, Vt., assignor to Union Twist Drill Company, Athol, Mass., a corporation of Massachusetts

Application December 8, 1937, Serial No. 178,729
2 Claims. (Cl. 10—136)



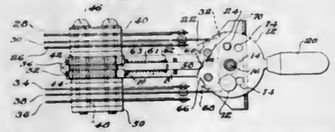
1. An automatic drive including a hollow shaft, and a spindle, one end of the spindle being arranged in the hollow shaft, there being running and sliding engagement between the shaft and spindle to afford support for the spindle; the spindle being rotatable with the shaft, rotatable relative to the shaft, and reciprocable relative to the shaft; the other end of the spindle projecting from the shaft and being adapted to mount a thread cutting die, a driving means fixed to the shaft and including a ball seated on the shaft to roll freely, a driven means fixed to the spindle and located within the hollow shaft, said driven means including an annular track concentric with the axis of rotation and shaped for freely rolling engagement with the ball, said driven means including a shoulder at each side of the track, there being slots in the shoulders opening into the track and adapted to receive the ball in engagement with a shoulder, the driving means and driven means being relatively reciprocable by relative reciprocation of the shaft and spindle to shift between ball-and-track engagement and ball-and-recess engagement; said shaft, spindle, driving means and driven means being free for relative reciprocation to effect driving connection and dis-connection under the control of the action of the thread cutting die on the stock together with movement of the shaft in rotation and in axial direction relative to the stock.

2,184,780

SWITCH

Elmer H. Little, Needham, Mass., assignor to The Gamewell Company, Newton Center, Mass., a corporation of Massachusetts

Application July 23, 1936, Serial No. 92,158
2 Claims. (Cl. 200—1)



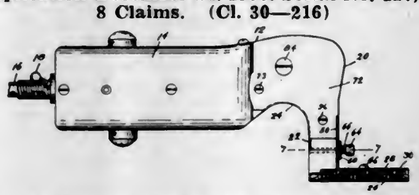
1. A switch comprising a frame, contact members, a pivoted cam plate having means for operating the contact members, the cam plate having in its edge a deep notch, reentrant surfaces of less steepness leading to the notch from opposite sides thereof, and detent-retaining surfaces oppositely inclined from said reentrant surfaces, a spring pressed detent normally received in the notch and adapted to be guided into the notch by said reentrant surfaces upon a return movement of the plate, and stop means carried by the plate to abut the frame and thereby to limit the operating movement of the cam plate.

2,184,781

ELECTRIC HAIR CLIPPER

James S. Ryan, Woburn, Mass.

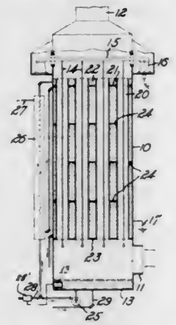
Application December 24, 1936, Serial No. 117,596
8 Claims. (Cl. 30—216)



1. An electric hair clipper comprising a handle containing an electric driving motor, said handle having a forwardly projecting goose neck which extends laterally of and considerably beyond the side of the handle, cooperating cutter and comb blades located at the end of said goose neck generally parallel with the axis of the handle, and driving mechanism connecting said cutter blade and said electric motor, said goose

neck being long to support the cutter and comb blades at one side of the handle beyond the fingers of the hand that grasps the handle and to sweep the cutting edges of said blades in a line that is mainly parallel with the said blades when said handle is rotated about its axis.

2,184,782
AIR CONDITIONING
Lloyd N. Scott, New York, N. Y., and Stewart C. Coey, Glen Ridge, N. J., assignors to Research Corporation, New York, N. Y., a corporation of New York
Application March 24, 1938, Serial No. 197,934
6 Claims. (Cl. 183—7)



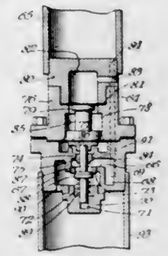
1. Apparatus for conditioning air comprising a casing, a plurality of members in said casing providing conduits for the flow of air therethrough, discharge electrode members in said conduits, means for providing an electric potential between said discharge electrode members and said conduit members, means for the exchange of heat between said conduits and a heat transfer fluid, and means providing a flow of hygroscopic liquid adjacent the inner surfaces of said conduits.

2,184,783
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application October 14, 1936, Serial No. 105,502
1 Claim. (Cl. 85—32)



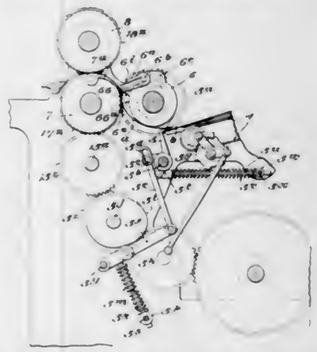
A one piece sheet metal fastener adapted to receive a bolt fastening for securing a member to an apertured part, said fastener comprising a section of sheet metal bent to provide a head and a shank comprising a pair of holding arms spaced by an intermediate bolt receiving portion, said bolt receiving portion having integral, preformed bolt thread engaging elements struck and formed therefrom to project out of the plane thereof, said holding arms being formed intermediate their lengths with means designed for substantial snap fastening engagement in the aperture in said part to hold said fastener in self retaining position thereon preparatory to the application of the bolt fastening thereto in securing said member to said part, said integral, preformed bolt thread engaging elements threadedly engaging the bolt fastening to cause a distortion of said holding arms of the sheet metal fastener into anchored engagement with said apertured part upon initial tightening of said bolt fastening, said integral preformed bolt thread engaging elements upon full tightening of the bolt being deformed into positive locking engagement with said bolt fastening to prevent unscrewing and accidental removal thereof.

2,184,784
MEANS FOR TAKING OIL FROM WELLS
Charles Levin Adams Todd, Longview, Tex.
Application October 4, 1935, Serial No. 43,610
9 Claims. (Cl. 103—40)



1. Apparatus for taking oil from a water drive well comprising a pump and tubing line in the well, a packer adjacent the well bottom for maintaining bottom hole pressure, and means connecting the pump inlet with the well below the packer and including a pressure reducing chamber wherein oil admitted through a chamber inlet is reduced to a pressure below that which exists at the bottom of a column of oil in said tubing above said pump, a valve controlling said chamber inlet, and a float in said chamber controlling said valve.

2,184,785
GRIPPER CYLINDER FOR PRINTING PRESSES
Burt F. Upham, Grimsby, Ontario, Canada
Original application March 11, 1938, Serial No. 195,378. Divided and this application July 21, 1938, Serial No. 220,533
8 Claims. (Cl. 271—53)



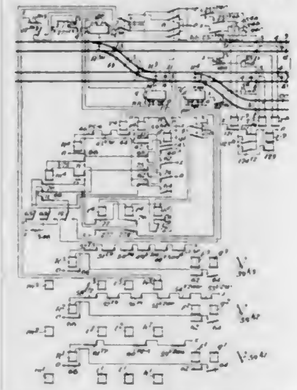
1. An impression cylinder of minimum diameter for printing presses having all its surface available for printing except the gripper gap; a gripper shaft mounted in the gap; and a pair of tumblers on said shaft adapted to be engaged by fixed pins disposed adjacent the periphery of the cylinder to open and close the grippers during each revolution of the cylinder.

2,184,786
FILING DEVICE
Leo Wolf, Chicago, Ill.
Application July 12, 1935, Serial No. 31,043
5 Claims. (Cl. 129—8)



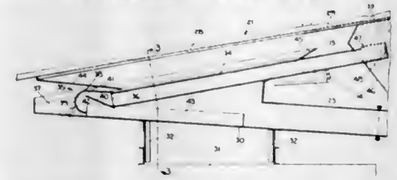
1. A filing device comprising a base, a filing spindle secured to one side of the base and comprising a filing tube and a filing pin both projecting forward of the base with the pin extending a substantial amount forward of the tube, said pin extending through the tube to the rear side of the base, and means on said rear side of the base and exerting a spring pressure against the pin for releasably holding it against retraction, said spring means and said pin being constructed and arranged to permit withdrawal of the pin by an outward pull on the same while the spring is in its normal position, said pin being of substantially the same construction at each end so that either end may be inserted through the tube and be held in place by the spring means.

2,184,787
INTERLOCKING CONTROL APPARATUS
Earl M. Allen, Swissvale, and Howard A. Thompson, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 26, 1933, Serial No. 695,294
63 Claims. (Cl. 246—134)



1. In combination, a railway track switch, a lever having a normal contact closed when said lever is in its normal position and having a reverse contact closed when said lever is in a reverse position, a normal control stick relay, a reverse control stick relay, a pickup circuit for said normal control stick relay including said normal contact, a stick circuit for said normal control stick relay including a back contact of said reverse control stick relay, a pickup circuit for said reverse control stick relay including said reverse contact, a stick circuit for said reverse control stick relay including a back contact of said normal control stick relay, a locking stick relay, a polarized control relay, a traffic contact controlled by traffic conditions adjacent said switch, a pickup circuit for said locking stick relay including said traffic contact in series with a front contact of said normal control stick relay and a normal polar contact of said polarized relay or in series with a front contact of said reverse control stick relay and a reverse polar contact of said polarized relay, a stick circuit for said locking stick relay including said traffic contact, normal and reverse operating circuits for said polarized relay controlled by said normal and reverse control stick relays respectively and including a front contact of said locking stick relay, normal and reverse stick circuits for said polarized relay including a back contact of said locking stick relay, and means controlled by normal and reverse polar contacts of said polarized relay for operating said switch to normal and reverse positions respectively.

2,184,788
MATERIAL HANDLING APPARATUS
George L. Arms and Francis E. McGovern, Columbus, Ohio, assignors to The Jeffrey Manufacturing Company, a corporation of Ohio
Application December 23, 1937, Serial No. 181,385
12 Claims. (Cl. 209—273)

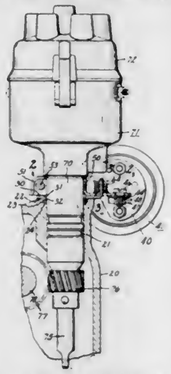


1. In material handling apparatus, the combination with a screen having a feed end and a discharge end, of a sloping flume positioned to catch directly material passing through the entire area of said screen, means for catching water which passes through said screen adjacent the feed end thereof and conveying it to a position adjacent the top of said flume, and means constructed and arranged to cause said water to discharge onto the flume in the direction of the slope thereof.

2,184,789
IGNITION APPARATUS
James L. Arthur, Anderson, Ind., and Hendrik A. G. Boller, Walled Lake, Mich.; said Arthur assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 13, 1939, Serial No. 261,508
3 Claims. (Cl. 123—117)

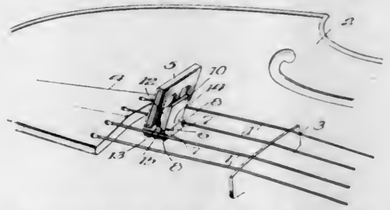
1. Apparatus for controlling the angular relation of an ignition timer unit with respect to its operating shaft comprising the combination of engine frame providing an opening or well, a timer unit having a shank received by the well and supported by the engine frame for rotation within the well and having a drive shaft extending within the unit to operate timing and distributing mechanism therein, said shaft carrying a gear within the engine frame meshing with an engine driven gear, a hold-down plate

mounted on the frame and supported thereby for rotation concentrically with respect to the axis of the timer shank and shaft, means for securing the hold-down plate to the frame in the desired position of angular adjustment to provide an initial setting for the ignition unit, a clamp arm supported by the hold-down plate and adjustably secured to the shank of the ignition unit, a device for controlling ignition time



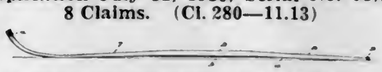
in accordance with variations in engine load conditions and having a part located beneath the clamp arm and movable in response to variations in engine intake suction, detachable means for connecting said part with the clamp arm whereby movements of said part are imparted to the arm to rotate the timer unit with respect to its shaft, and detachable means located above the clamp arm for limiting separation of the clamp arm from the hold-down plate.

2,184,790
MUTE HOLDER
Lino Bartoli, Pittsburgh, Pa.
Application May 23, 1938, Serial No. 209,613
3 Claims. (Cl. 84—311)



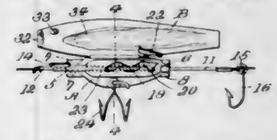
1. A mute holder attachment for violins comprising a base member for disposition between a pair of adjacent strings of a violin between the bridge and tail piece and frictionally gripped from opposite sides and supported by said adjacent strings, spaced jaws extending upwardly from said base member, and pads carried by the inner opposed faces of the jaws to removably receive and hold a mute therebetween.

2,184,791
SKI AND METHOD OF MAKING THE SAME
Thorne K. Broome, Mechanic Falls, Maine, assignor to Airmobile Aircraft Company, Mechanic Falls, Maine, a corporation of Maine
Application July 31, 1936, Serial No. 93,725
8 Claims. (Cl. 280—11.13)



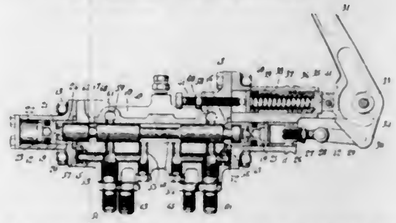
1. A ski comprising a plurality of laminations, one of the intermediate laminations having an upturned toe portion provided with horizontally extending spaced kerfs extending throughout said upturned portion, and a synthetic resinous coating on said laminations extending into the kerfs and bonding the walls thereof together.

2,184,792
ARTIFICIAL BAIT OR LURE
Charles Jackson Clarke, Kingsburg, Calif.
Application August 3, 1938, Serial No. 222,908
20 Claims. (Cl. 43—46)



1. In an artificial bait, a metallic actuating mechanism having outwardly extending fins, a fishing line attached to said bait, motor means carried by said bait for oscillating said fins, said motor means being caused to operate upon movement of said bait by said fishing line, and a float lure having quick detachable connection with said actuating mechanism and positioned upon the top thereof the float lure supporting said actuating mechanism immediately beneath the surface of the water.

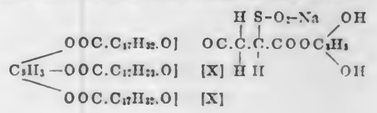
2,184,793
CONTROLLING VALVE FOR LIQUID PRESSURE CONTROL SYSTEMS
Edward Claude Shakespeare Clench, Leamington Spa, England, assignor to Automotive Products Company Limited, London, England
Application August 18, 1937, Serial No. 159,803
In Great Britain August 20, 1936
8 Claims. (Cl. 137—139)



7. A control valve having a pair of ports and a valve plunger cooperating with said ports to establish communication therebetween in normal ("off") position of the plunger, a third port through which fluid is directed when the plunger is set in one "on" position, a fourth port through which fluid is directed when the plunger is set in another "on" position, and means actuated by the pressure of the fluid admitted through said valve for automatically bringing the plunger and its actuating member to "off" position.

2,184,794
MIXED ESTERS
Melvin De Groote, University City, Mo., assignor, by mesne assignments, to Petrolite Corporation, Ltd., a corporation of Delaware
No Drawing. Application April 9, 1938, Serial No. 201,187
16 Claims. (Cl. 260—400)

1. An ester of the following composition:

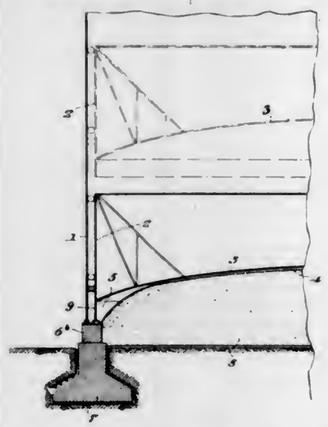


in which X and Y are selected from the group consisting of hydrogen atoms and



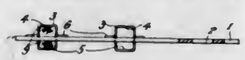
radicals.

2,184,795
GAS HOLDER
Friedrich Einbeck and Otto Korbmacher, Dortmund, Germany, assignors to the firm Aug. Klonne, Dortmund, Germany
Application July 13, 1937, Serial No. 153,456
In Germany August 13, 1936
6 Claims. (Cl. 48—176)



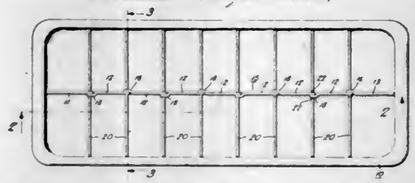
3. In a gas holder the combination of a container having a wall and an inwardly curved floor, an annular foot to which said wall and said floor are joined, an annular bed upon which said foot stands, and a piston in said container having a concave under face, and having also legs which rest on said annular foot when said piston is fully lowered, the curvature of said piston face corresponding substantially to that of said floor at the central part thereof, but being substantially less pronounced at the circumferential part, so that when the piston is fully lowered there is at the circumference a space for workmen between said piston and said floor.

2,184,796
BELTING
Percival Thomas Evans and John Herbert Wright, Coventry, and Harry Brammer, Leeds, England
Application August 24, 1937, Serial No. 160,718
In Great Britain September 1, 1936
20 Claims. (Cl. 74—231)



1. A flexible belt for transmitting power comprising means defining a flexible member having throughout the length thereof a plurality of longitudinally spaced openings extending from the upper to the lower face thereof, clips located in said openings and projecting from at least one face of said flexible member to form loops, and bars extending through said loops and transversely of the flexible member.

2,184,797
ICE TRAY
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 7, 1937, Serial No. 141,234
8 Claims. (Cl. 62—108.5)



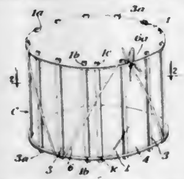
1. A freezing tray having a removable grid, said grid comprising a plurality of metal partitioning members and a plurality of flexible rubber partitioning members, said metal members being yieldably held together by said rubber members.

2,184,798
DEVICE FOR DEFLECTING AIR STREAMS
Glen A. Gracey, Grand Rapids, Mich.
Application June 23, 1938, Serial No. 215,354
4 Claims. (Cl. 296—91)



1. A device of the class described for deflecting air streams from and preventing lodgment of insects, dust and the like on the windshields of automobiles and the like which have a cowl and a hood movable to open position and to closed position wherein its rear edge portion overlies the forward edge portion of the cowl, said device comprising a shield inclined from the direction of the air stream for deflecting the same therefrom and a forwardly extending base having a vertical slit therethrough extending from its front edge and a pair of vertically spaced portions on the opposite sides of the slit adapted to receive and hold between them the rear edge portion of the hood, the hood being adapted to hold the base portion of the device on the forward edge portion of the cowl in the hood's closed position.

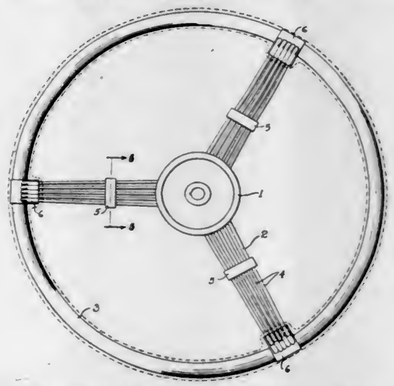
2,184,799
CONTAINER
Frederick G. Henry, New York, N. Y.
Application March 23, 1937, Serial No. 132,610
3 Claims. (Cl. 229—3.5)



3. In a container, a pair of spaced walls forming closures for opposite respective ends of the container, relatively rigid supporting rods disposed in spaced relation between said spaced walls, and a pair of facing sheets of flexible Cellophane-like material between which said supporting rods are disposed, said sheets of Cellophane-like material being adhesively united

to thereby maintain said rods in the desired spaced relation as specified, opposite ends of each of said rods being adapted to extend through passages provided, respectively, therefor in said spaced walls whereby, in the completed container, each wall substantially seats upon the adjacent edge of the Cellophane-like material, said spaced walls being flat disks readily attachable to or detachable from the ends of said rods which project beyond the edges of the Cellophane-like material.

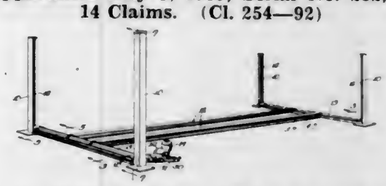
2,184,800
STEERING WHEEL RIM AND SPOKE CONSTRUCTION
Harry A. Husted, St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application June 15, 1937, Serial No. 148,296
4 Claims. (Cl. 29—159)



1. The method of making an automobile steering wheel having a plurality of wire spoke members arranged in groups, and a rim annulus, comprising positioning and holding the rim and one end of each group of wire spoke members in predetermined relative positions, holding preformed anchor elements of relatively thin sheet metal on opposite sides of the said end of each group of wire spoke members and on opposite sides of the rim member so that each element concurrently engages and conforms to the external surface of the end of each group of wire spoke members and also the adjacent portion of the rim, and permanently fusing each anchor element to the rim and to the associated group of wire spoke members and then molding a thin finish coating of thermally moldable material over the entire surface of the rim and portions of the anchor elements, the thickness of the coating over the rim being slightly greater than the thickness of the portions of the sheet metal anchor elements which overlie the rim and of less thickness over said portions of the anchor elements so as to completely cover the rim and said last mentioned portions of the anchor elements and provide a uniform external surface contour.

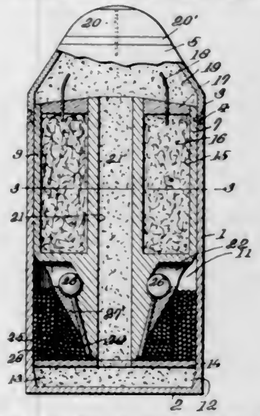
3. An automobile steering wheel having a rim annulus, a plurality of wire spoke members arranged in groups, an anchor for securing each group of wire spoke members to the rim, said anchor comprising a pair of preformed sheet metal elements each having a rim embracing portion conforming in shape to the adjacent surface of the rim, and a shank portion having a plurality of troughs disposed substantially normal to the rim embracing portion, each trough accommodating the end portion of a wire spoke member and extending laterally from the spoke embracing portion of the anchor, at least partially around the rim, one element engaging one side of the rim and the corresponding side of a group of wire spoke members and another element engaging the opposite side of the rim and group of wire spoke members, each of said elements being integrally joined to the rim at the surface thereof which the element overlies or underlies, and a thin coating of thermally moldable material covering the entire surfaces of the rim annulus and anchors.

2,184,801
LIFT STRUCTURE
Joseph P. McCarthy, Defiance, Ohio, assignor to Modern Equipment Corporation, Defiance, Ohio, a corporation of Ohio
Application July 3, 1939, Serial No. 282,607
14 Claims. (Cl. 254—92)



2. In a lift structure, a lift frame, a stationary supporting screw at each corner thereof, a rotatable nut on each screw for elevating said lift frame upon rotation of said nut, a drive sprocket, supporting means therefor carried by said lift frame, a continuous chain extending around each nut and around said drive sprocket, and means cooperating with said supporting means and tending to move it in a direction to increase the tension of said chain.

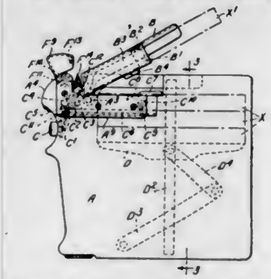
2,184,802
EXPLOSIVE PROJECTILE
Frank Milavec, Cleveland, Ohio
Application May 5, 1938, Serial No. 206,247
2 Claims. (Cl. 102—29)



1. A rifled projectile comprising a casing, a plurality of pairs of nested longitudinal sections in said casing and having tapering lower ends, each of said lower ends formed with a vertical slot and a round transverse opening communicating with said slot, cables connecting each pair of sections together, said cables being disconnected from each other and having their

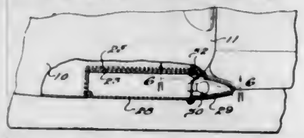
opposite ends pressed into said slots, and bearing balls on said opposite ends seated in said round openings for swiveled movement, the intermediate portion of said cables being adapted to be wound around said tapering lower ends and binding said sections together when assembled and connecting said sections when separated, plates in said slots for preventing said cables from moving outwardly through said slots and a cylindrical member surrounding the tapering lower ends of the sections for separating the windings of one of said cables from the windings of another of said cables.

2,184,803
CASE OR CONTAINER FOR CIGARETTES AND LIKE ARTICLES
John Edward Harris Morgan and Victor John Forsythe Donnelly, London, England
Application June 21, 1937, Serial No. 149,516
In Great Britain December 8, 1936
6 Claims. (Cl. 206—41.4)



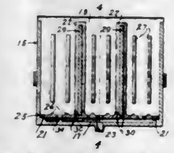
1. In a case for cigarettes and similar articles furnished with a chamber for holding a number of such articles the combination of an extractor, a pivot adjacent the said chamber on which the extractor can turn angularly, an expansible gripper on the extractor adapted to receive a single article, a single hand-operated device acting to secure and release the extractor, means actuated by the hand-controlled device for positively effecting the closing of the gripper in advance of the angular movement of the extractor, and a spring acting to raise the extractor and gripper to partially extract a cigarette from the chamber and present it for easy removal.

2,184,804
VEHICLE BODY CONSTRUCTION
Amos E. Northup, deceased, late of Pleasant Ridge, Mich., by Leeta H. Northup, administratrix, Pleasant Ridge, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application May 21, 1937, Serial No. 143,915
2 Claims. (Cl. 296—30)



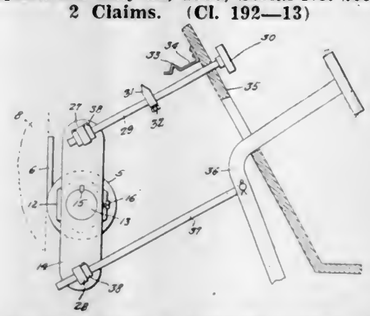
1. A vehicle body construction including in combination, a roof panel having a rear quarter panel formed as an integral part thereof, a downwardly extending flange at the lower marginal edge thereof, a side panel having an upwardly extending flange at the upper marginal edge thereof, said flanges overlapping, said panels being secured together through said flanges, a generally tubular lamp housing secured to said panels and serving to conceal the joint provided by said mating flanges, and a lamp within said lamp housing.

2,184,805
SOAP CAKE HOLDER AND DRAINER
Ferdinand T. Plack, Harrisburg, Pa.
Application June 30, 1938, Serial No. 216,662
2 Claims. (Cl. 45—28)



1. In a holder for cakes of soap, a receptacle which includes a floor, high side walls and rear wall, and a low front wall, in combination with a drain-plate normally within said receptacle and removably seated in substantially horizontal position above said floor so as to receive soap-cakes thereon and to provide a water-receiving space thereunder, a partition normally seated on said drain-plate and engaged with said rear wall in a proper relation to prevent it from being raised from said drain-plate, and locking means normally engaged with said low front wall and partition in a proper relation for securing said partition against forward movement and thereby cooperating with said rear wall for securing said partition and drain-plate in normal positions, said locking means being readily removable for releasing said partition and drain-plate so they can be removed from said receptacle for gaining easy access to all parts for thorough cleaning.

2,184,806
HYDRAULIC BRAKE DISCONNECTOR
Everett Abell, Niagara Falls, N. Y.
Application May 21, 1938, Serial No. 209,336
2 Claims. (Cl. 192—13)

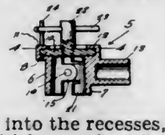


1. In combination, a hydraulic braking system including front and rear brakes, a disconnector for disconnecting the front wheel brakes, a clutch pedal, and connecting means between the disconnector and the clutch pedal for operating the disconnector when the clutch pedal is actuated.

2,184,807
BATTERY CABLE CONNECTOR
Clive D. Ahearn, Detroit, Mich.
Application December 8, 1938, Serial No. 244,671
1 Claim. (Cl. 173—259)

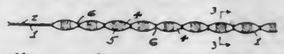
A battery cable connector comprising a pair of semi-cylindrical members for fitting around a

battery post, means for connecting a cable to one member, each member having a flange-like enlargement at its upper end formed with an internal groove, one member at the substantial central portion being thicker than the other member and said thickened portion having internal recesses at its edges, ears extending outwardly from edge portions of the other member and said



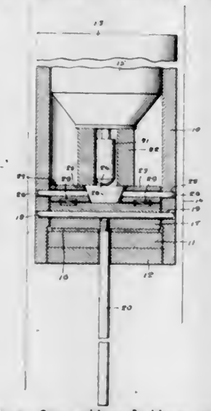
ears extending into the recesses, the recessed portions of the thick member forming ears which overlap the first-mentioned ears, pivots pivotally connecting the ears of the two members together, an oval cam forming plate having portions extending into the grooves at the upper ends of the two members and a handle part connected with the plate and extending upwardly.

2,184,808
BED OR SEAT COVER OR CUSHION
Anthony M. Belian, Detroit, Mich.
Application November 7, 1938, Serial No. 239,247
3 Claims. (Cl. 5—347)



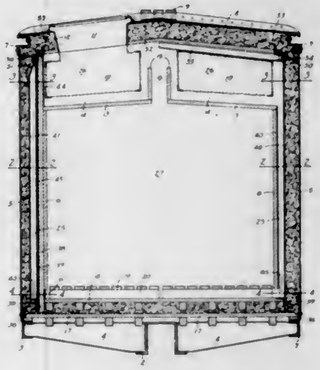
1. A cooling cushion comprising upper and lower sheets of flexible material connected together by rows of stitching disposed in parallel spaced relation so as to form a plurality of elongated cushion spaces, said spaces being closed at their ends and having therein strips of sponge rubber centrally disposed therealong so as to provide air chambers on each side thereof.

2,184,809
WELL FLOW STIMULATOR
George R. Brammer, Indianapolis, Ind.
Application May 22, 1939, Serial No. 275,113
2 Claims. (Cl. 166—1)



1. Apparatus for stimulating well flow comprising a vertically movable hammer, a loosely secured plate, a ram vibratable by the hammer between the hammer and the plate and striking the plate to produce shocks and vibrations, means connected with the plate for transmitting the vibrations radially outward to the earth strata near the bottom of the well, and means connected to the plate for transmitting the vibrations vertically downward to the earth strata.

2,184,810
REFRIGERATOR CAR
Charles E. Crede, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application August 13, 1938, Serial No. 224,755
6 Claims. (Cl. 62—17)



1. In a refrigerator car having a refrigerant compartment near the roof and a floor rack spaced above the floor to provide a space therebetween, a wall comprising a sheathing, a lining supported by frame members and insulation between said sheathing and said lining, and a flue within said wall communicating between said compartment and said space and being substantially continuous longitudinally of the car, said flue being adjacent said lining and being offset away from said frame members.

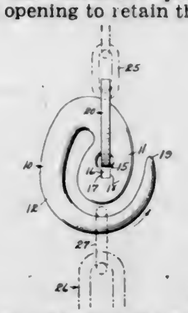
2,184,811
IMPROVED FLOORING
Robert McDonald Freer, Saltcoats, and George Morris, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application May 10, 1938, Serial No. 207,100
In Great Britain May 13, 1937
7 Claims. (Cl. 175—264)



6. A floor comprising in combination an electrically conductive flooring composition comprising a mixture of ground coke and a bituminous binder having an electrical resistivity not exceeding 2500 ohms per centimeter cube, and an earthed metallic conductor in electrical contact with said composition, said conductor being shielded from contact at the floor surface and so placed that the resistance to earth from any point on the surface is less than 21.7 megohms.

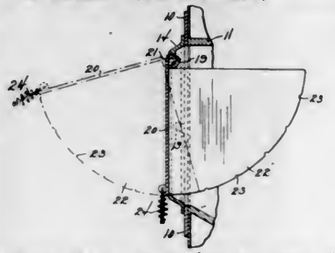
2,184,812
SAFETY HOOK
Nathan A. Hendrix, Reno, Nev.
Application February 23, 1939, Serial No. 258,030
4 Claims. (Cl. 24—230.5)

1. A safety hook comprising a head portion having a substantially keyhole-shaped opening therein and an integrally formed tail portion wound spirally therearound, and a locking ring having an inner recess at one end adapted to interlock with the constricted portion of the keyhole-shaped opening to retain the link of a chain



in the interstice between the said head and tail portion.

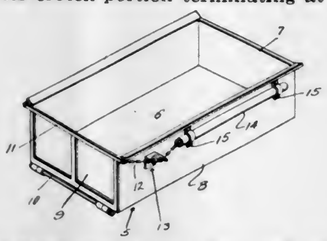
2,184,813
COAL STOVE DOOR
William M. Knight, Turin, Alberta, Canada
Application October 26, 1938, Serial No. 237,124
1 Claim. (Cl. 126—193)



A coal stove door comprising an open frame adapted to replace the fire door of a coal burning stove, means for pivoting the frame at one end to the coal stove, a latch at the opposite end of the frame, a hollow cylinder on the upper side of the frame open at the ends and at the front and extending throughout the length of the frame, a damper plate disposed to form a closure for the open frame and provided at its upper edge with a bead rotatably mounted in the hollow cylinder to connect the damper plate pivotally to the frame and permit the damper plate to move upwardly and downwardly with relation to the frame, and segmental side pieces on the damper plate having notches in their curved lower edges adapted to receive the lower edge of the frame to support the damper plate in adjusted positions, said hollow cylinder forming a stop against which the upper edges of the damper plate side pieces are engaged when the damper plate is closed.

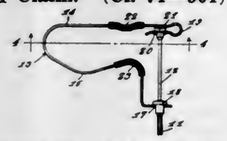
2,184,814
CHAIN FASTENER
Ikugoro Nagamatsu, Las Vegas, Nev.
Application April 12, 1938, Serial No. 201,578
Renewed October 19, 1939
2 Claims. (Cl. 24—116)

1. A chain fastener of the character described comprising a structure attachable plate provided with an outwardly extending portion, said outwardly disposed portion having a V-notch, the edge portions of the plate at the V notch defining a chain-receiving pocket one leg of the outwardly disposed portion of the plate at the V-notch being constructed to provide a horizontal barrel, said barrel being disposed at right angles to the longitudinal extent of the complementary legs, said complementary legs being disposed on substantially the same plane as the barrel, said V-notch having its crotch portion terminating at a point



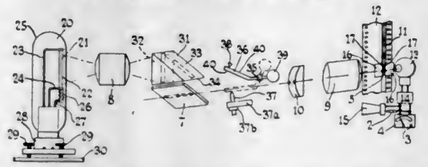
approximately on a plane vertically extending through the axis of the barrel.

2,184,815
CAMERA CABLE RELEASE
Robert J. Reynolds, Trotwood, Ohio
Application June 21, 1938, Serial No. 214,988
1 Claim. (Cl. 74—501)



A mouth operated cable release for cameras comprising a resilient loop adapted to be held in the photographer's mouth and deformed by pressure of the teeth, the loop having upper and lower members, the lower member being formed to provide an angular bracket having an opening to receive the neck of a camera release cable button, the upper member being extended and bent upon itself to provide a slotted spring catch adapted to receive the release wire of said cable, and rubber sleeves on the upper and lower members adapted for engagement with the teeth of the photographer.

2,184,816
OPTICAL APPARATUS
Oscar A. Ross, New York, N. Y.
Application October 31, 1936, Serial No. 108,566
12 Claims. (Cl. 179—100.3)



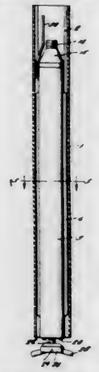
1. In optical apparatus, an object, an optical system including a light source and objectives for projecting an elongated light image on said object, means to rotate said optical system on the axis thereof for positioning said light image at a desired angularity with respect to said object, light image checking means including an elongated opaque shutter normally positioned out of the light path in said system arranged to be moved to a position in said light path for cancelling all the light projected onto said object by said system when said system has been rotated to said desired angularity but permit leakage of light past said shutter to said object if not rotated to said desired angularity, and means for moving said shutter from one position to the other.

2,184,817

MOTOR DRILL FOR OIL WELL CASINGS AND THE LIKE

Harold R. Sharp, Waterloo, Iowa, assignor of one-half to Ray M. Sharp, Waterloo, Iowa

Application April 14, 1939, Serial No. 267,889
1 Claim. (Cl. 255—4)



Well drilling means of the class described comprising a well casing section, longitudinally extending guide means in said section, an elongated motor housing, guide means thereon for engaging the guide means of the well section, a reducer connected with the top of the motor housing and terminating in a threaded nipple adapted to receive a fluid pipe line, said pipe line enabling the housing to be moved longitudinally in the well casing and also acting as means for introducing liquid into the motor housing, a motor casing in the housing and spaced therefrom to form a passage between itself and the housing for the passage of the said liquid, an electric motor in the casing, means for closing the ends of the casing in a liquid-tight manner, antifriction means for the shaft of the motor, a shaft section extending from the lower end of the motor casing, means for slidably connecting said shaft section with the motor shaft, a thrust bearing at the upper end of the shaft section, a head on the shaft, cutting means carried by the head for cutting a hole of greater diameter than the casing section, means whereby said cutting means will move downwardly and inwardly when the head is lifted off the bottom of the well to permit the cutting means to pass through the well casing, the liquid introduced into the housing flowing through said passage into the bottom of the well and then passing upwardly between the housing and the well casing.

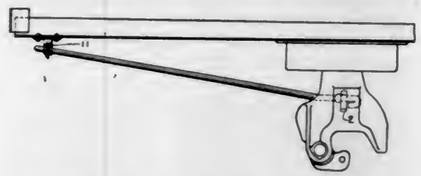
2,184,818

OPERATING ROD FOR CAR COUPLERS

Vinton E. Sisson, Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware

Application March 27, 1937, Serial No. 133,325
3 Claims. (Cl. 213—167)

1. In a railway car, the combination of a coupler provided with a swingable member for transmitting operating movements to the coupler lock, said swingable member provided with an eye and spaced apart prongs adjacent said eye, and an operating rod supported adjacent the side of the car and provided with a return bend portion at its inner end, said rod being slidably supported in said eye to move longitudinally of itself so that in one position the return bend portion is between said prongs so that rotation of said rod swings said member and when the rod is moved longitudinally of itself to another posi-



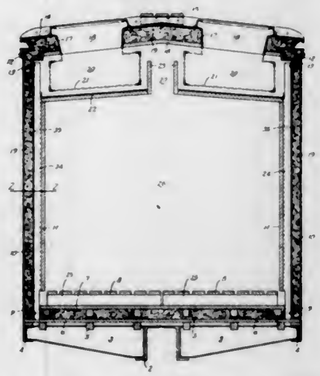
tion the return bend portion is moved from between said prongs so that said rod may be rotated independently of said member.

2,184,819

REFRIGERATOR CAR

Vinton E. Sisson, Winnetka, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application October 21, 1938, Serial No. 236,150
12 Claims. (Cl. 62—17)



1. In a refrigerator car having insulated floor, roof and walls, a floor rack supported in spaced relation to said floor to provide a space therebetween, a substantially horizontal drip pan below said roof to provide a refrigerant compartment therebetween, and a refrigerant container within said compartment in combination with a vertically disposed plate having portions in one plane alternating with portions in a parallel plane, said portions being connected by webs which cooperate with said portions to form vertical stiffeners to support said wall, said portions and webs forming a plurality of vertical flues communicating between said compartment and said space for circulation of air, and means to also utilize certain of said flues to drain liquid from said container.

2,184,820

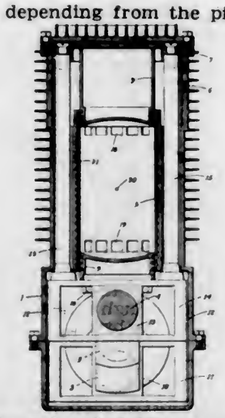
INTERNAL COMBUSTION ENGINE

Emmitt Marcus Tucker, Huntington Park, Calif.

Application August 23, 1938, Serial No. 226,300
3 Claims. (Cl. 123—51)

1. In combination, a crank shaft having a pair of axially alined but separated crank pins, a cylinder radial with the shaft, a piston slidable in the cylinder, blocks in which the crank pins are turnable, yokes in which the blocks are slidable,

and skirts depending from the piston on oppo-



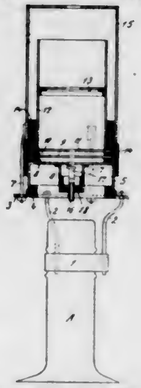
site sides thereof and rigidly secured on the adjacent edges of the corresponding yokes.

2,184,821

BRAUN TUBE

Wolfram Uhlmann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application February 8, 1938, Serial No. 189,301
In Germany February 11, 1937
2 Claims. (Cl. 250—155)



1. In a Braun tube, a cathode ray producing system, comprising a rod-shaped cathode, a circular symmetric member therefor, having a shoulder, a circular control electrode, further electrodes likewise of circular symmetric shape, insulating rings adapted to separate the individual electrodes from one another and having cross sectional shapes of different diameters so as to provide concentrical seats therefor, means for combining said electrodes and insulating rings to one unit, and a diaphragm, said shoulder being adapted to define the interspace between the electron emitting face of the cathode and said adjacent diaphragm when the cathode and its holder are inserted in the circular control electrode.

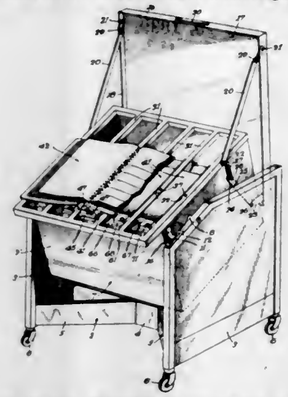
2,184,822

CABINET

Paul O. Unger, Elmhurst, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application April 17, 1936, Serial No. 74,918
8 Claims. (Cl. 45—85)

1. In a cabinet, a plurality of bars extending longitudinally of said cabinet, said bars being notched to form bearings, a book support provided with a pair of laterally extending trunnions adapted to seat in said bearings, and a pair



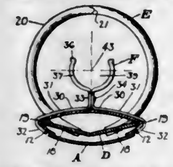
of plates being slidable over said trunnions to secure said book support against accidental displacement.

2,184,823

LOOSE-LEAF BOOK AND PENCIL HOLDER

Murray Vernon, Greenwich, Conn.

Application November 11, 1937, Serial No. 174,034
2 Claims. (Cl. 129—1)



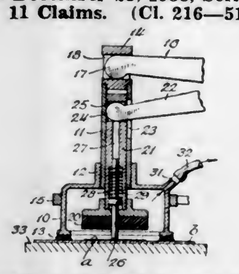
1. A pencil clip for a ring binder comprising a metallic member shaped to conform to the contour of the top plate of a binder mechanism, having its edges inturned for securing the same to the binder mechanism, said member having two openings therein for the ring halves of the binder ring to pass through to retain the clip in fixed position on the top plate of the binder mechanism, and gripping means on said metallic member to hold a pencil or the like.

2,184,824

METHOD OF AND APPARATUS FOR LABELING

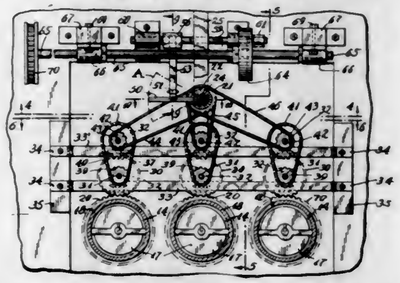
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application December 28, 1938, Serial No. 248,048
11 Claims. (Cl. 216—51)



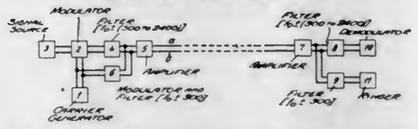
1. The method of applying labels to articles which consists in adhesively connecting said labels with the articles in the presence of air pressure less than atmospheric pressure.

2,184,825
TURNING DEVICE FOR CUTTER SLEEVES OF DOUGHNUT MACHINES
John Wackler, New York, N. Y.
Application May 15, 1939, Serial No. 273,614
9 Claims. (Cl. 107—14)



1. In a doughnut machine, a plurality of rotatively supported cutting sleeves, a gear on each cutting sleeve, a transmission system for rotating said gears and including a main driver wheel having a concentric annular area of teeth, a ratchet engaging said teeth, and means for reciprocating said ratchet for periodically turning said wheel through predetermined angular distances.

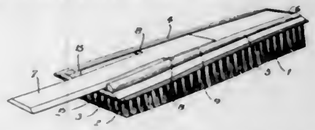
2,184,826
SIGNAL TRANSMISSION SYSTEM
Alfred Wiessner, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application November 13, 1937, Serial No. 174,378
In Germany November 20, 1936
5 Claims. (Cl. 179—2.5)



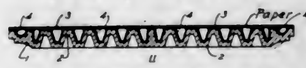
1. In a high frequency transmission system, a carrier frequency generator, a transmission line, a connection from said generator to one end of said line, a speech frequency modulator and a first filter in said connection partially at least to suppress the carrier and to filter out all but the side bands above or below the carrier frequency and representing speech frequencies, a second connection from said generator to the one end of the line beyond the first filter, and a second modulator and second filter means in said second connection to modulate the carrier in accordance with a ringing signal to produce side bands of said carrier which side bands are within the range suppressed by said first filter.

2,184,827
HAND BRUSH
Frank Willmot, Walsall, England, assignor to Mark Cross Company, New York, N. Y., a corporation of New York
Application August 31, 1939, Serial No. 292,824
In Great Britain February 22, 1938
2 Claims. (Cl. 15—159)

1. A hand brush, comprising in combination, a bristle bearing brush back, fillets of substantially elliptical cross-section secured in spaced substantially parallel relation lengthwise of said brush back, a cover over said brush back and fillets and forming in conjunction therewith a flat elongated pocket having undercut side edges beneath said substantially elliptical cross-section fillets, said pocket having a restricted opening at one end of the brush, and a sliding handle operating in said pocket, said handle having laterally extending wings at the inner end of the same with tapered side edges slidingly engaged beneath the edges of said fillets and a projecting hand grip portion sliding through said restricted opening at the one end of the brush.

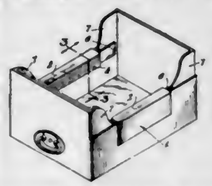


2,184,828
COOKING SURFACE AND METHOD OF TREATING THE SAME
Kenneth L. Woodman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1938, Serial No. 209,391
3 Claims. (Cl. 53—10)



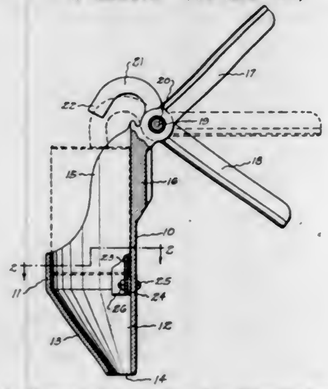
1. In the manufacture of a cooking appliance having a metallic surface for directly contacting food to be cooked, the process of treating the cooking surface to afford many repeated separations of the food therefrom without adhesion to the cooking surface, which process includes the application to said cooking surface of heated material in liquefied form and including a carnauba wax constituent, said constituent being hard at normal room temperatures but being plastic at or below the cooking temperature, so as to provide impregnation of the cooking surface with a material which prevents adhesion of the cooked material and which continuously impregnates the cooking surface for a considerable number of repeated separations with a very small loss of impregnated material upon successive cooking operations.

2,184,829
REENTRANT CLIP
Philip Zalkind, New York, N. Y.
Application October 19, 1935, Serial No. 45,709
9 Claims. (Cl. 229—48)



1. In a structure of fibrous sheet material, a panel of said material, a flap on the edge of said panel and bent parallel thereto, and a metallic clip having two substantially parallel legs placed over said panel and said folded flap whereby said flap is held against said panel, and a flange on one of said legs, said flange being sprung behind the outstanding edge of said flap and holding said clip in place.

2,184,830
DISPENSING DEVICE
Jesse W. Boisseau, Dallas, Tex., assignor of one-half to S. D. Bowles, Dallas, Tex.
Application February 19, 1938, Serial No. 191,407
2 Claims. (Cl. 221—23)



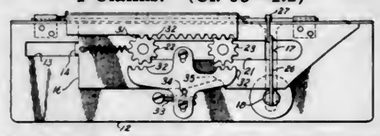
1. A dispensing device for hermetically sealed containers including, a cylindrical collar portion adapted to receive the end portion of the container, a skirt integral with and depending from the collar portion, said skirt having its lower end reduced to form a funnel, a cutter located within the collar portion and fastened thereto, said cutter being arranged to puncture the container when the same is forced downwardly into the collar portion, an integral extension projecting upwardly from the collar portion, an inclined handle extending outwardly from the upper end of the extension, and a lever pivoted on the inner end of the handle and having its inner end overlying the container within the collar portion, the outer end of said lever being so located that both lever and handle may be grasped in one hand to swing the lever and thereby force the container downwardly into engagement with the cutter.

2,184,831
COMPENSATING DEVICE FOR COMBINATION NEGATIVES
James T. Campbell, Detroit, Mich., assignor to Douthitt Corporation, Detroit, Mich.
Application November 4, 1938, Serial No. 238,898
8 Claims. (Cl. 95—81)



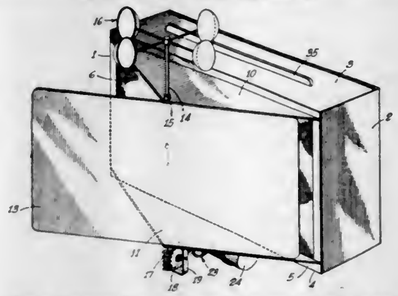
1. A device of the character described comprising, in combination with a camera, a compensating glass mounted in close proximity to the camera lens and movable into and out of the light path through said lens, said glass being clear and having the same refractory effect as a half-tone screen used in the same camera, and being at least as large as said lens and substantially smaller than the exposure area in the camera.

2,184,832
PHOTOGRAPH IDENTIFICATION
Necols Champion, Orange, N. J.
Application January 10, 1938, Serial No. 184,184
4 Claims. (Cl. 95—1.1)



1. A camera attachment comprising, in combination, an apertured element through which light may pass to a sensitive portion of a plate when the latter is in position within a camera, means including a projection engageable by a plate holder, upon insertion into the camera, to shift said apertured element into contact with the surface of said plate, a stencil plate having a series of identifying characters movable into registry with the aperture in said apertured element, means including a normally meshed pinion and rack for moving said stencil plate to bring an identifying character into registry with said aperture, said rack being de-meshed from said pinion by the shifting of the apertured element into contact with the surface of said plate, and means engageable with said pinion to prevent rotation of the latter pending return of the rack to the meshed position with respect to said pinion.

2,184,833
SELF-CONTAINED AUTO COOLING UNIT
David Brainard Dewey, Pasadena, Calif.
Application January 30, 1939, Serial No. 253,587
4 Claims. (Cl. 261—36)

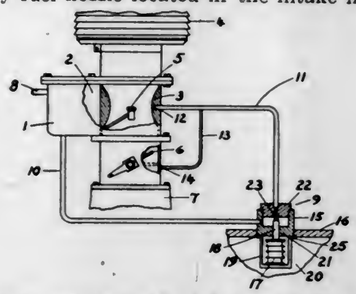


1. In a portable air cooling unit adapted for use in automobiles, the combination of a housing including imperforate top, end and bottom members; foraminous side walls in said housing, a wind-driven motor means carried by brackets extending from said housing, a diaphragm-type pump operatively connected to said wind-driven means, a water reservoir attached to and positioned below said housing, pipe means connecting said reservoir with said pump, and pipe means connecting the outlet from said pump with a header positioned within the upper section of said housing.

2,184,834
THERMOSTATICALLY CONTROLLED FUEL ENRICHMENT DEVICE
William E. Haast, Hawthorne, N. J.
Application May 3, 1939, Serial No. 271,465
1 Claim. (Cl. 123—119)

A fuel enrichment device for water cooled motors comprising a standard carburetor provided with a venturi, a butterfly throttle valve adja-

cent the carburetor at the entrance to the intake manifold, a main fuel supply nozzle located in said venturi and connected through the main fuel supply line directly to the carburetor, an auxiliary fuel nozzle located in the venturi for the enrichment of the fuel supply when the throttle is open and during cold motor operations, an auxiliary fuel nozzle located in the intake manifold



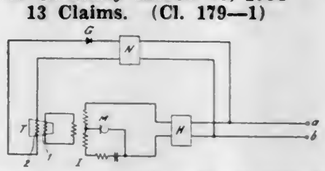
adjacent said butterfly valve for the enrichment of the fuel supply during cold motor operation with a closed throttle, an auxiliary fuel supply line connecting said auxiliary fuel nozzles to the carburetor, and a thermostatically operated valve in the auxiliary fuel supply line actuated by the change in temperature of the motor cooling water for cutting off the supply of fuel to said auxiliary nozzles when the motor warms up.

2,184,835

SYSTEM FOR TRANSMITTING COMMUNICATIONS

Walter Max Hahnemann, Berlin-Marienfelde, and Alfred Wiessner, Berlin-Tempelhof, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application July 10, 1937, Serial No. 153,074
In Germany March 13, 1934
13 Claims. (Cl. 179—1)



1. A system for transmitting communications, comprising in combination with talking wires and subscribers' stations having each a telephone and a microphone, a split circuit including the microphone, high frequency blocking means connecting said circuit to the talking wires, a winding in the telephone by which the latter is joined to said split circuit, a second winding in the telephone, a high frequency rectifier connected in circuit with said second winding, and a low frequency arrester connecting said rectifier to the talking wires.

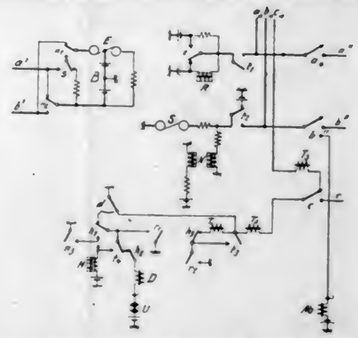
2,184,836

TELEGRAPH SYSTEM

Robert Helmert, Berlin-Lankwitz, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application April 23, 1937, Serial No. 138,538
In Germany April 23, 1936
6 Claims. (Cl. 178—2)

1. A telegraph system comprising telegraph sets, lines and selectors for interconnecting said sets, means for impressing a normal series of current impulses on one of said lines for operating said selectors for testing to select an idle line for establishing a circuit between said sets for inter-



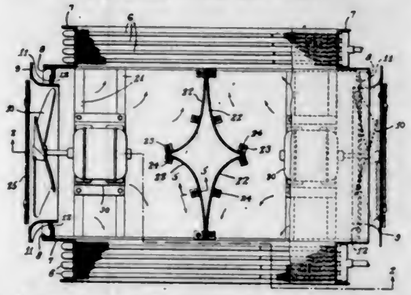
communication, and switching means responsive to an anomalous series of current impulses impressed on said line for disabling said selectors from testing.

2,184,837

HEAT EXCHANGE UNIT

Harold Hemming, Dedham, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.

Application June 9, 1938, Serial No. 212,728
4 Claims. (Cl. 257—137)



1. A condenser unit comprising a rectangular casing including two continuous, oppositely disposed walls, and two apertured walls formed by rows of condenser tubes, and having open ends, fans in said ends for moving air over said tubes, and means between said fans extending crosswise the passage between said walls and connecting said continuous walls for strengthening said unit at its center and for turning the air moved by each fan, in opposite directions so that the air moved by each fan is directed over both of said rows of tubes.

2,184,838

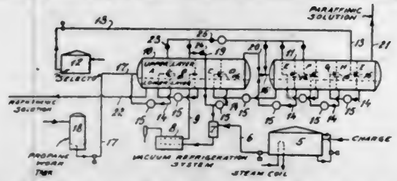
METHOD OF TREATING OILS

Douglas L. Hooker, Woodbury, N. J., and Carl M. Fabian, Beaumont, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application April 30, 1937, Serial No. 139,836
4 Claims. (Cl. 196—13)

1. A method for double solvent refining of petroleum lubricant fractions, comprising the following steps: Flowing a paraffinic solvent and a naphthenic solvent countercurrent through a series of stages each consisting of a mixing step

and a settling step, introducing an oil to be treated to a stage intermediate the ends of the series, removing paraffinic solvent and a raffinate oil from one end of the series, removing naphthenic solvent and an extract oil from the other end of the series, and by-passing a portion of one solvent across at least one intermediate stage so



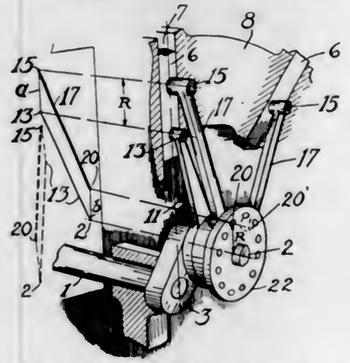
that the throughput of solvent in that intermediate stage may be less than the total throughput, the throughput at the initial and end stages may be equal to the total throughput, and the relative concentration of solvent in the solvent-solute phase formed by the solvent at the point of reintroduction may be greater than in the absence of such by-passing.

2,184,839

MECHANICAL MOVEMENT

Frank A. Howard, Elizabeth, N. J.

Original application January 3, 1933, Serial No. 650,018. Divided and this application July 10, 1937, Serial No. 152,878
6 Claims. (Cl. 74—580)



1. In a mechanical movement, the combination with a crankshaft provided with a crank pin, a plurality of guideways radially disposed with respect to the crankshaft, sliders reciprocably mounted within the guideways, a member freely mounted on the crank pin, connecting rods of equal length between pivots pivoted to the member at radially equal distances and to the sliders, and means directly connected to one of the sliders and to the pin to prevent oscillation of the member.

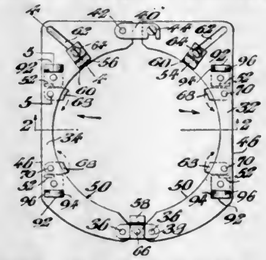
2,184,840

APPARATUS FOR BY-PASSING SOCKET METERS

Ernest G. Johansson, Watertown, Mass., and Orville K. Coleman, Mineola, N. Y.

Application March 3, 1939, Serial No. 259,620
16 Claims. (Cl. 175—222)

1. A portable attachment of the character stated comprising a member attachable to the socket element of a socket-meter installation, and a stop carried by and projecting beyond the plane of said member and adapted to engage and prevent the complete withdrawal of the



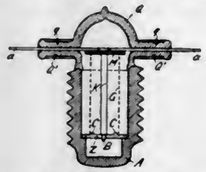
meter element of said installation from said socket element.

2,184,841

ELECTRIC DISCHARGE TUBE

Annemarie Katsch, Berlin-Lichterfelde, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application May 14, 1937, Serial No. 142,529
In Germany May 9, 1936
2 Claims. (Cl. 250—27.5)



1. An electric discharge tube comprising a pot-shaped anode, said anode having a shoulder formed in its inside surface, a flanged annular member fastened thereto so as to form a receptacle with this anode, an apertured insulating body located in this anode and resting on said shoulder, an electrode system disposed in this receptacle having an insulating body carrying the electrodes thereof, a stud or studs projecting from this electrode system at the end thereof remote from the second said insulating body, such stud or studs being received in the aperture or apertures of the first said insulating body, a head for the said receptacle, and leads fitted to the electrode system, these leads passing through between this receptacle and head and being squeezed by the two and serving as the means for centering said electrode system with respect to said anode.

2,184,842

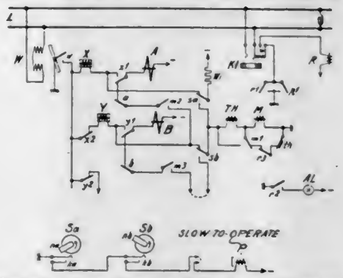
INTERCOMMUNICATION SYSTEM

Josef Kirch, Berlin, Germany, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany, a company

Application March 31, 1938, Serial No. 199,109
In Germany April 3, 1937
6 Claims. (Cl. 179—85)

1. A party-line system having several branch stations, a party-line common thereto, and means for generating alternating current Morse code signal consisting of a plurality of signal elements each of which being composed of any desired number of alternating current cycles, each branch station comprising means responsive to alternating current cycles, means responsive to said signal elements and controlled by said alternating current cycle responsive means, a plurality of members individually allotted to the corresponding

signal element of appropriate ordinal number and adapted to be moved into any of a plurality of positions by said signal element responsive means under the influence of the number of alternating current cycles transmitted, means for successively distributing each of said signal elements to its



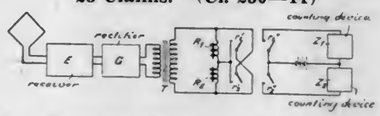
appertaining member, call indicating means operable in dependency on the position of said members after the receipt of all signal elements of a Morse code signal, a timing device adapted to restore all means to normal after the elapse of a given interval, and means for automatically releasing the called station on answering to a call.

2,184,843

METHOD AND MEANS FOR DETERMINING POSITION BY RADIO BEACONS

Ernst Kramar, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany

Application April 18, 1935, Serial No. 17,043
In Germany April 19, 1934
23 Claims. (Cl. 250—11)



21. A direction determining apparatus for determining the direction between said apparatus and a transmitter of the type which produces a rotating radiation pattern in one region of which signals of a first type are transmitted and in a second region of which signals of a second type are transmitted, the signals being transmitted at a predetermined rate relative to the rotation of said radiation pattern, which comprises means for receiving signals of said first type, means for receiving signals of said second type, and means for separately registering the number of signals of each type.

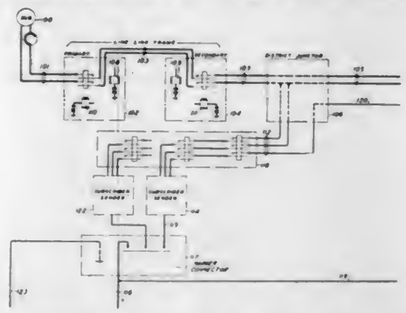
2,184,844

TELEPHONE SYSTEM

James B. Newsom, Great Neck, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 17, 1938, Serial No. 214,349
8 Claims. (Cl. 179—25)

1. In a telephone system, automatic switches, a common marker for controlling their selective operation to extend telephone connections, means for seizing said marker for use, means for measuring a predetermined interval of time beginning with the seizure of the marker, means effective if the marker proceeds normally with its functions for connecting it to said automatic switches before the expiration of said interval, means for measuring a second predetermined interval beginning with the connection of the marker to said switches, and means effective if the marker proceeds normally with the control of



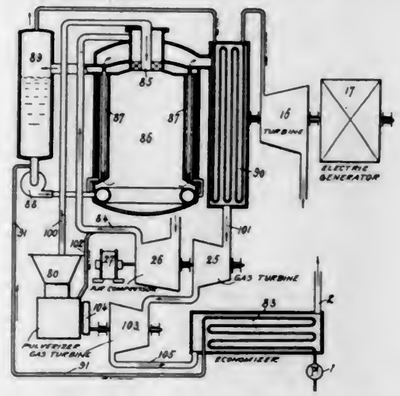
said switches to release it from said switches before the expiration of said second interval.

2,184,845

PULVERIZING, COMBUSTION, AND HEAT TRANSFER PLANT

Walter Gustav Noack, Baden, Switzerland

Application February 26, 1936, Serial No. 65,815
In Germany August 8, 1933
2 Claims. (Cl. 110—106)



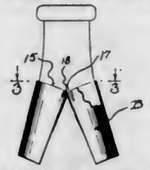
1. In combination, a combustion and heat transfer plant producing hot, high pressure gases, a mechanical pulverizing plant for grinding the fuel to be burnt in said combustion plant, a fuel conduit connecting said combustion plant and said pulverizing plant for conducting the pulverized fuel into said combustion plant, a gas machine connected to and operating said pulverizing plant and discharging a hot fluid, a conduit directly interconnecting said machine and said heat transfer plant for uniting said discharged hot fluid with the high pressure gases produced in said combustion plant, air compression means, and a gas turbine connected to and operating said air compression means and being connected to said combustion plant for receiving hot, high pressure operating gases therefrom, said air compression means being connected with said combustion plant and supplying combustion air thereto and being connected with said pulverizing plant for supplying compressed air thereto for blowing the pulverized fuel from said pulverizing plant through said fuel conduit into said combustion plant.

2,184,846

BOTTLE DISPLAY COLLAR

Lester S. Olsen, Milwaukee, Wis., assignor to The Olsen Publishing Company, Milwaukee, Wis.

Application January 3, 1939, Serial No. 249,017
2 Claims. (Cl. 40—4)



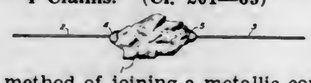
1. A preformed display and advertising device for the neck of a bottle comprising, a collar of substantially frusto-conical shape formed from a single blank of sheet material and having a transverse slit to form a bottle neck-receiving opening, wings on opposite sides of the slit of an arcuate shape in horizontal cross section, score lines at the ends of the slit defining triangular-shaped tabs connecting the wings together, said triangular tabs having their apexes at the side edges of the collar and their bases at the ends of the slit.

2,184,847

RESISTOR AND METHOD OF MAKING IT

Gerald L. Pearson, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 24, 1936, Serial No. 117,527
4 Claims. (Cl. 201—63)



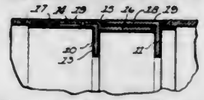
1. The method of joining a metallic conductor to a body comprised of boron to form an electrical resistance element which comprises bringing the conductor into contact with said body, applying heat at the point of contact to raise the temperature thereat to a value substantially less than the melting point of said conductor to form at said point a joint comprising a compound of boron and of the metal of said conductor, and controlling the temperature at said point of contact to determine the size of the joint formed and the resistance of the element.

2,184,848

BAG FRAME JAW FOR LUGGAGE CARRIERS

Benjamin Platt and Paul Platt, Chicago, Ill.

Application September 25, 1937, Serial No. 165,651
3 Claims. (Cl. 190—28)



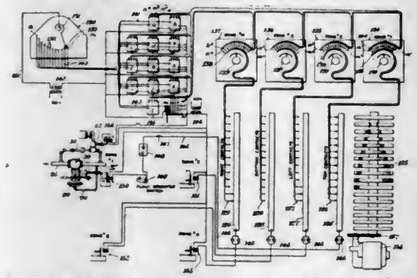
1. A metallic bag frame jaw having a top flange portion, a flange portion adapted to cooperate with a companion jaw, and an inwardly projecting flange, said jaw being composed of inner and outer elongated metallic strips rigidly secured together, the outer strip forming the top flange and companion jaw cooperating flange portion, and said strip having an elongated shoulder on the underside thereof, and the inner elongated strip forming the inwardly projecting flange and having an angular portion secured to the underside of said outer strip, the angle formed by the inner strip being nested against said elongated shoulder of the outer strip accurately to locate and assist in rigidly assembling said strips.

2,184,849

HEAT CONTROLLING SYSTEM

Karl W. Rohlin, Merchantville, N. J., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey

Application May 2, 1935, Serial No. 19,397
24 Claims. (Cl. 237—9)



6. In a heating system for heating a plurality of zones, each having radiating units, electrically operated means individual to each of said zones for alternately admitting and checking the flow of the heating medium to the radiating units thereof, thermostatic means, a plurality of relays connected to be selectively rendered operable by said thermostatic means as a result of temperature changes, a plurality of groups of switches, each group corresponding to a zone, each of said switches being connected to operate one of said electrically operated means intermittently with periods of operation differing from the periods of operation corresponding to the other switches for the same zone, connections from said relays to said switches whereby operation of one of said relays serves to place in operative condition one of said switches of each group, and a plurality of manually adjustable switches, one corresponding to each zone, for altering the connections to said first named switches, whereby the lengths of the periods of operation for one zone may be altered in respect to the lengths of the periods of operation for other zones.

9. Apparatus for distributing steam to a steam heating system having a plurality of groups of radiators for serving respectively various zones of the structures to be heated, a source of steam, conduits running respectively from said source to each of said groups, an electrically controlled valve in each of said conduits, time controlled means for intermittently operating said valves to check the flow of steam from said source to the conduits for each of said groups respectively at substantially interspaced intervals, said means including a plurality of groups of switches, each group controlling one of said valves, a continuously rotatable cam structure, each switch of a group being closed by said cam structure during intervals of a different length and each group being operated respectively by said cam structure when at different angular positions, and means for selecting one of the switches of each group and completing an operating circuit therethrough.

2,184,850

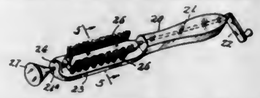
MECHANICAL TOOTH BRUSH

Morris Schloss, New York, N. Y.

Application December 30, 1938, Serial No. 248,406
6 Claims. (Cl. 15—22)

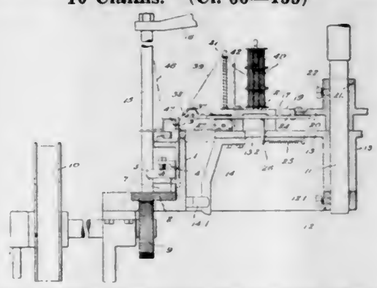
6. A mechanical tooth brush, comprising a

tubular handle, a shaft rotatively extended through said handle, a crank mounted on the outer end of said shaft for manual turning, a guard mounted on the end of said handle remote from said crank, a cam extending parallel



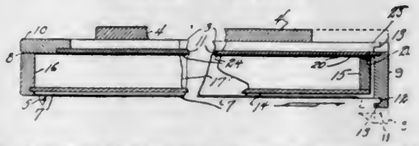
to said guard and mounted on the end of said shaft remote from said crank to be turned thereby and parallel lines of bristle means mounted on said guard and having portions disposed in the path of said cam and on opposite sides thereof to be vibrated by said cam as said cam is turned.

2,184,851
KNITTING MACHINE AND METHOD OF KNITTING
Frederick P. Sieber, Glendale, Long Island, N. Y.
Application April 14, 1938, Serial No. 201,910
10 Claims. (Cl. 66—135)



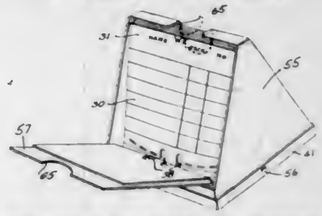
1. In a knitting machine, the combination comprising a cylinder, a series of independent needles circumferentially arranged in said cylinder, a rotatable cam ring around said cylinder, cam means mounted on said ring adapted to cooperate with said needles to form a fabric from a plurality of body yarns, means including a design wheel having inserts provided therein to raise a selected plurality of needles, a stripe-forming mechanism including a plurality of actuating rods each bearing a plurality of stripe yarn guides at the end thereof corresponding to the spacing of said raised needles, means including a control box having a rhomboid-shaped cam surface and an actuating disk for displacing said stripe yarn guides to wrap said stripe yarns around said selected needles during the time when they are in the raised position, and means for withdrawing said selected needles to cause the incorporation of said stripe yarns into the body of the fabric.

2,184,852
DRAWING FILE
Harold E. Smith, Adrian, Mich.
Application October 13, 1938, Serial No. 234,815
2 Claims. (Cl. 45—7)



1. A cabinet having a drawer receiver entrance port having a top extending therefrom, and a drawer having a rear provided with forwardly and upwardly inclined seat means, spaced overhanging strips anchored with the seat means and directed thereby into flush proximity with the under side of said top, said under side having fixed therewith additional strip means between the strips to provide channelways for the strips, said overhanging means having the free terminus portions thereof normally self-flexing to ride in said ways and coacting for fully clear uninterrupted entrance and exit of the drawer as to the entrance port.

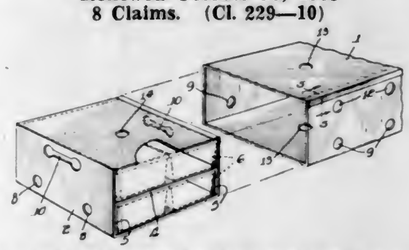
2,184,853
REFERENCE CARD AND MOUNTING THEREFOR
Edwin H. Smythe, Evanston, Ill.
Application October 22, 1937, Serial No. 170,340
17 Claims. (Cl. 129—16)



2. A self-restoring index card having a display portion and a base portion resiliently hinged together along a curved line.

17. A reference card system including a plurality of cards each having a display portion and a base portion resiliently hinged together, a mounting tray for said cards, and a rigid spacing member for each card having a lower portion fixed in said mounting tray and an upper portion detachably secured to the mid-point of the base portion of each card for establishing a fixed spacing between said cards when they are mounted in said tray and holding the cards so as to permit free movement of the ends of said base portion.

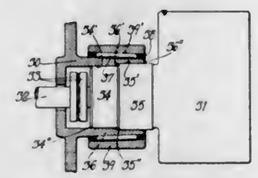
2,184,854
SHIPPING CRATE
Talma Glenn Spooner, Benton Harbor, Mich.
Application July 6, 1936, Serial No. 88,919
Renewed October 13, 1938
8 Claims. (Cl. 229—10)



1. A shipping case for fruit and the like, comprising a relatively long tapered rectangular sleeve member open at each end thereof, and a couple of relatively short rectangular sleeve members open at each end thereof, one larger than the other to telescope over the latter when a smaller shipping case is desired, but disposed side by side within said tapered sleeve member, with the sides of the latter closing the open ends of the two relatively short sleeve members, when a larger case is desired, the longer of the two

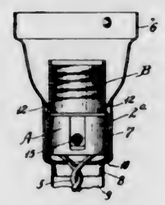
short members being at the larger end of the long member and the smaller one at the smaller end, and with the open ends of the tapered sleeve member closed by side walls of said relatively short members.

2,184,855
CLAMP CONNECTION
Wilhelm Gustav Otto Stieber, Munich, Germany
Application January 10, 1939, Serial No. 250,145
In Germany June 18, 1935
1 Claim. (Cl. 287—119)



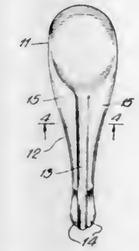
In a disconnectable clamping connection for disconnectably connecting two parts, each part being provided with a plurality of cylindrical fitting surfaces and the surfaces of one part fitting into the surfaces of the other part, one of said parts having a cone shaped surface adjacent to and concentric with at least one of said circular surfaces, a tightening member having a cone shaped surface which corresponds to and is disposed adjacent to said first mentioned cone shaped surface, and a plurality of roller means disposed in between said cone shaped surfaces whereby upon rotation and axial displacement of said tightening member said roller means are pressed to said first mentioned cone surface, and the part having said first mentioned cone surface is elastically deformed and pressed and securely held to the other part.

2,184,856
ELECTRIC LIGHT FIXTURE
Theophile A. Stiffel, Chicago, Ill.
Application March 3, 1937, Serial No. 128,807
2 Claims. (Cl. 240—143)



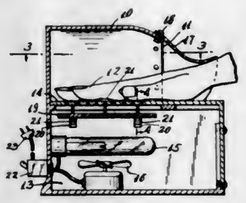
1. In an electric light fixture of the class described, the combination of a standard lamp socket unit comprising a terminal block having a lamp socket member secured thereto and a tubular insulating shell open at its ends and into which said terminal block and socket member are inserted through one end, said shell having means holding said block and socket member against removal through the other end, a tubular outer shell open at one end and having a seat for said lamp socket unit, and sharpened prongs instanding from the wall of said outer shell in the path of said unit permitting the insertion of the unit to its seat but adapted to become embedded in said insulating shell to prevent movement of said unit in the reverse direction, said prongs being located to substantially coincide with the insulating shell holding means when the unit is seated.

2,184,857
MEDICINE FEEDING DEVICE
Julia Dorozinski, New York, N. Y.
Application April 27, 1939, Serial No. 270,301
1 Claim. (Cl. 30—141)



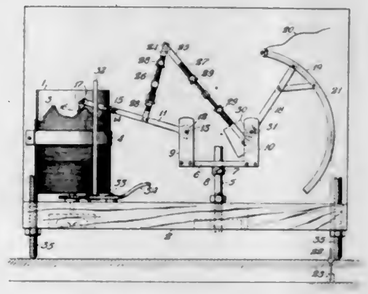
In a medicine feeding device, a one piece member comprising an elongated body having an anterior bowl shaped portion and a posterior arcuate guard integral with said portion and provided with laterally extending and inclined flanges and including a longitudinally and medially arranged channel communicating with said bowl and substantially coextensive with the length of said guard, said guard comprising an expanded portion adjacent said bowl shaped portion and including a downwardly and rearwardly curved terminal restricted portion provided with arcuate lips contiguous to the posterior terminal portion of said guard.

2,184,858
DRIER FOR POLISHED NAILS
Jean Goodman, New York, N. Y.
Application November 30, 1938, Serial No. 243,059
5 Claims. (Cl. 219—45)



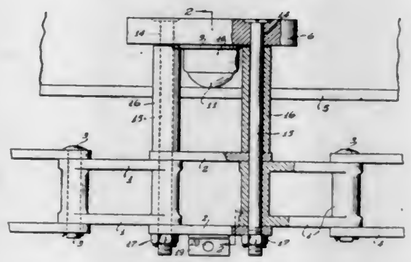
1. A drier for polished nails, comprising a hollow body having an open side through which the fingers of one's hand may be inserted, a closed compartment in said hollow body and having a perforated top wall upon which one's fingers may be rested, a hot air producing mechanism within said compartment, a shut-off plate mounted beneath said perforated top wall to close said perforations, means for moving said plate to open said perforations and controlled with one's finger, and a flexible closure mounted over the open side of said hollow body, said flexible closure being supported at its top along the top of said opening and the other portions of the flexible closure depending and engageable about one's wrist for almost completely closing said open side to prevent the loss of air therethrough.

2,184,859
APPARATUS FOR THE REPRODUCTION, REGULATION, AND CONTROL OF TEMPERATURES
William E. Stone, Colonia Anahuac, D. F., Mexico; dedicated to the free use of the People of the United States of America
Application March 4, 1938, Serial No. 193,846
2 Claims. (Cl. 236—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



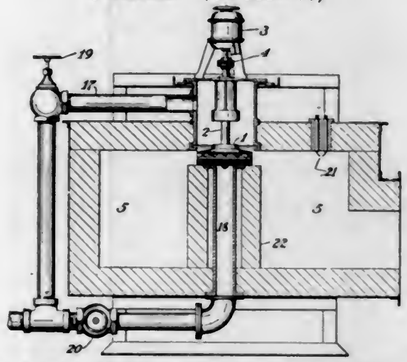
2. A device of the character described comprising a cylinder actuatable by a clock mechanism, a tracing arm, a pointer carried by said arm responsive to the edge of a fiber-board pattern wrapped around said cylinder, a lever having one arm linked to said tracing arm, a segmental arc secured to the other arm of said lever, and a weighted contact drop of a thermostat suspended from the upper end of said segmental arc, whereby said weighted contact drop is responsive to the movements of said pointer.

2,184,860
HANGER CONSTRUCTION
Clarence A. Barrett, Detroit, Mich., assignor, by mesne assignments, to Trolley Conveyors Development Foundation Inc., a corporation of Michigan
Application March 5, 1937, Serial No. 129,170
Renewed October 9, 1939
7 Claims. (Cl. 105—155)



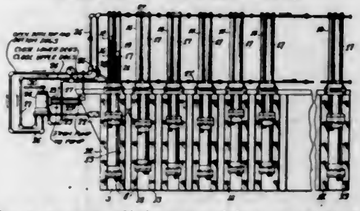
1. A trolley for a chain conveyor comprising cylindrical hangers, universally mounted rollers for supporting said hangers from a track, a chain comprising links having openings through which said hangers extend, and separate guide means comprising two spaced rollers journalled on said hangers having vertical axes for guiding contact with said track, said rollers serving also to position said links on said hangers.

2,184,861
FUEL BURNER AND METHOD OF FUEL COMBUSTION
John E. Greenawalt, Bronxville, N. Y.
Application November 26, 1935, Serial No. 51,587
Renewed April 20, 1939
6 Claims. (Cl. 158—77)



1. A fuel burner having three superimposed fans, an upper, a middle and a lower fan, each with uniformly spaced blades, the blades of the middle fan having a height less than the space between the blades and adapted to eject at their peripheral portions fuel and air in the form of a plurality of jets of greater width than depth, means for supplying the middle fan with fuel and primary air necessary for atomizing the fuel, means for supplying the upper and lower fans with sufficient secondary air for the complete combustion of the fuel, the blades of all the fans being radial at the peripheries of the fans, all the fans having the same peripheral diameter, and means rotating the fans at a speed sufficiently high to propel the fuel and air from the middle fan and air from the other fans to a predetermined distance from the peripheries of the fans at a velocity greater than that of flame propagation.

2,184,862
VENEER MACHINE
Louis F. Koss, Jr., Indianapolis, Ind.
Application September 20, 1937, Serial No. 164,615
2 Claims. (Cl. 144—178)



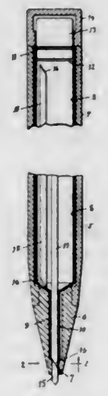
1. In a veneer slicing machine, a table having a series of slideways, a pair of dogs slidingly carried by each slideway, said dogs having opposing log-gripping members, a cylinder for each dog carrying a piston, a rod interconnecting the respective pistons and dogs, pipe means interconnecting said cylinders with a fluid supply pressure means, a single valve means in said pipe and a handle connected with the valve for manually controlling flow of said fluid to said cylinders for pressure application on said pistons, said pipe and valve means being connected with said cylinders to deliver oil through the pipe to the cylinders to move the top dogs down and the bottom dogs up until each is stopped by contact and resistance against a flitch to be sliced, and there to trap the oil in the cylinders controlling the top set of dogs only, to maintain a uniform pressure of the bottom dogs against the flitch during the shearing operation.

2,184,863
MECHANICAL PENCIL
Lucifer J. Most, Hudson County, N. J.
Application April 5, 1939, Serial No. 266,055
2 Claims. (Cl. 120—18)



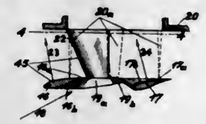
2. In a mechanical pencil, a barrel having a lead guide, a spur gear provided with spiral grooves on its toothed periphery entering the guide from the lateral surface thereof through the depth of the spiral grooves, and means for turning the spur gear from the end of the barrel.

2,184,864
MECHANICAL PENCIL
Lucifer J. Most, Hudson County, N. J.
Application June 14, 1939, Serial No. 279,072
4 Claims. (Cl. 120—18)



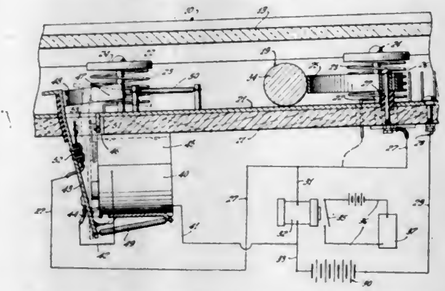
2. In a mechanical pencil, a prismatic lead having its ends cut on a bias.

2,184,865
GUIDE DEVICE FOR BLADE PROPELLERS
Hans Mueller, Heidenheim-on-the-Brenz, and Ernst Schneider, Vienna, Germany, assignors to Voith-Schneider Propeller Company, New York, N. Y., a corporation of New York
Application August 3, 1938, Serial No. 222,884
In Austria August 6, 1937
20 Claims. (Cl. 115—42)



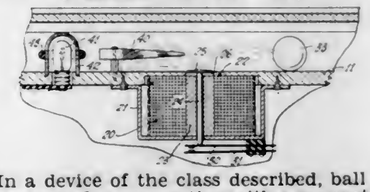
13. The combination of a hull, a blade propeller supported thereby having blades disposed circumferentially around an axis rotatable in an orbit of said axis, with each blade shiftable on its own axis, which is substantially parallel with the axis of the orbit, and forming a water flow converging vertically towards the hull and laterally away from the blades, and a guide device having water converging upright members having portions extending forwardly and laterally outward of the guide device to direct the lateral water flow to the blades of the propeller and having horizontal water converging members extending forwardly and downwardly of the guide device at the forward part of the guide device, and forwardly and downwardly of the rear portion of the guide device, to direct the vertically converging water flow towards the blades.

2,184,866
GAME APPARATUS
Bruno Radtke, Chicago, Ill., assignor to The Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application July 29, 1937, Serial No. 156,369
1 Claim. (Cl. 273—119)



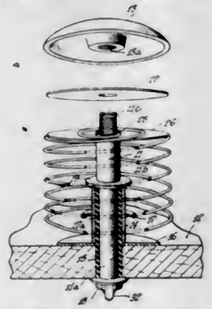
A game apparatus having a conductive ball playing field and means for projecting a conductive ball thereon, an electrically driven reprojector having a conductive and resilient rebound member positioned for engagement by said ball, a power circuit for said electrical reprojector and including said rebound member and said conductive field, said circuit being closed by engagement of said conductive ball on the conductive field with said conductive rebound member to actuate the latter, together with a second and stationary rebound member of resilient construction and positioned on said field opposite said reprojector whereby a ball may be repeatedly thrown back and forth between said several rebound members upon coming into engagement with said reprojector rebound member.

2,184,867
GAME APPARATUS
Harry E. Williams and Lyndon A. Durant, Chicago, Ill.
Application July 8, 1938, Serial No. 218,060
3 Claims. (Cl. 273—119)



1. In a device of the class described, ball activating means for cooperation with a magnetically attractable ball moving on an inclined surface, and comprising an electromagnet and means mounting the same relative to said surface to propagate its field of force for attraction of said ball, a normally closed switch connecting said electromagnet in a power circuit therefor, and a switch-operating member mounted with a part disposed in said field of force to be engaged and moved by the ball when attracted as aforesaid to open said switch and deenergize the electromagnet, and means yieldingly urging said switch-operating member into a normal position for operation by said ball with said switch in normally closed circuit condition.

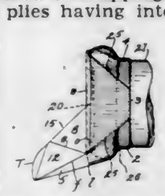
2,184,868
BUMPER SWITCH
Harry E. Williams and Lyndon A. Durant, Chicago, Ill.
Application March 31, 1939, Serial No. 265,117
8 Claims. (Cl. 200—52)



1. A bumper switch including a conductive mounting post adapted to be mounted in upright position on a playing surface, a conductive sleeve mounted to surround a portion of said post in insulated relation with the latter, a conductive coil spring mounted at its upper end at the upper end portion of said post so as to surround the latter loosely for movements in a substantially radial sense toward the post, the lower end portion of said spring having a centrally disposed loop loosely surrounding said conductive sleeve on the post and normally out of contact with the latter, said loop contacting said sleeve to complete an electrical circuit when the spring is moved a predetermined amount toward the post.

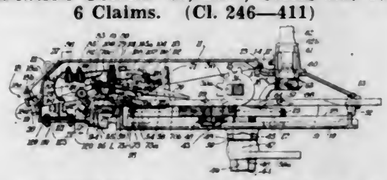
2,184,869
PAPER BOTTLE CAP
Duryea Bensel, New York, N. Y., assignor, by mesne assignments, to Albert Borden, New York, N. Y.
Application December 9, 1936, Serial No. 114,897
11 Claims. (Cl. 215—38)

1. The combination with a bottle having a beaded mouth portion, of a paper sealing cap, said cap comprising a bottle mouth sealing portion and a skirted bottle neck engaging portion depending from said sealing portion, said sealing portion comprising a plurality of infolded, connected and scored overlapping plies of material, some of said plies having interlocks to engage



between other plies, others of said plies being scored to form a pull-out pouring spout, the outermost ply of the sealing means having a rupturable line of weakness therein above the spout forming elements whereby, after rupturing said line, said spout forming elements may be drawn out to form a spout.

2,184,870
RAILWAY SWITCH OPERATING MECHANISM
Herbert L. Bone, Forest Hills, and Kenneth J. J. McGowan, Swissvale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 20, 1937, Serial No. 170,060
6 Claims. (Cl. 246—411)

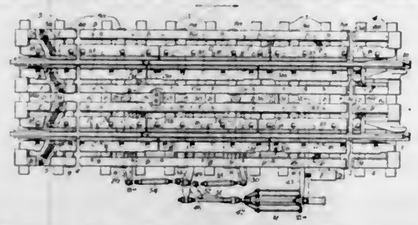


2. In combination, a railway switch, a lock rod connected with the switch points to move therewith and provided with a notch, a lock bar, means for at times moving said lock bar into the notch in said lock rod to lock the switch points in one extreme position and for at other times withdrawing said lock bar from said notch to unlock the switch points, a contact, means for operating said contact whenever said lock bar is withdrawn from said notch, a point detector rod connected with the switch, means operated by said detector rod for operating said contact if the switch points are displaced from said one position while they are locked and for latching said contact in its operated position, and means effective if said lock bar is withdrawn from the notch in said lock rod when said contact is latched in its operated position for unlatching said contact.

2,184,871
RAILWAY BRAKING APPARATUS
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 5, 1939, Serial No. 271,895
14 Claims. (Cl. 188—62)

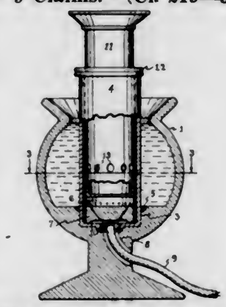
1. Railway braking apparatus comprising a fixed yoke extending transversely beneath a track rail and provided with an opening, a brake beam supported by said yoke and movable parallel with and transversely with respect to said track rail, a trunnion pivotally supported in the trackway opposite said brake beam and connected by means of a link with said brake beam in

such manner that movements of said brake beam in directions parallel with the rail will cause said beam to move toward and away from the rail, said link being connected at its inner end with said beam by means of an upstanding post which enters a hole in the brake beam, and a



hold-down bar extending through the opening in said yoke and secured to said brake beam for limiting vertical displacement of said brake beam, said hold-down bar being provided at one end with an extension which cooperates with said link to maintain said post in said hole.

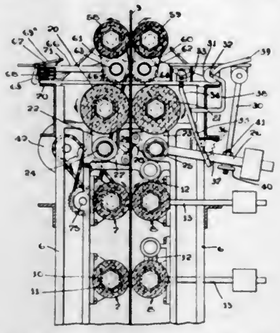
2,184,872
ELECTRIC BLENDING VAPORIZER
Emerick Hodaly, Detroit, Mich.
Application May 31, 1938, Serial No. 210,841
9 Claims. (Cl. 219—38)



1. An electric vaporizer comprising an open-topped vessel for receiving a liquid to be vaporized, the bottom of such vessel being formed with an upwardly opening socket, a substantially imperforate receiver set into such socket, and upwardly extending beyond the maximum liquid level in the vessel, a heater occupying the lower portion of said receiver, an electrical connection to the heater extending through the bottom of the receiver and through a passage laterally opening in the base of the vessel, and means for establishing a seal between the receiver and said socket, preventing access of liquid to the bottom of the receiver.

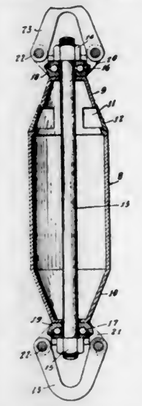
2,184,873
MACHINE FOR DRAWING WINDOW GLASS
Don R. Limbers, Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 16, 1936, Serial No. 74,677
7 Claims. (Cl. 49—17)

4. In combination with a vertical leer casing provided with a plurality of pairs of driven rolls for drawing a glass sheet continuously upward therethrough, a pair of buffing rolls of yielding material at the upper end of the casing mounted for movement toward and from each other, means for adjusting the buffing rolls toward each other to regulate their pressure on the glass sheet, readily releasable means for holding the



buffing rolls in their positions of adjustment, and self acting means for moving the buffing rolls apart when said last means are released.

2,184,874
ROD LINE WEIGHT
James P. Ratigan, Los Angeles, Calif.
Application April 23, 1937, Serial No. 138,591
4 Claims. (Cl. 294—82)

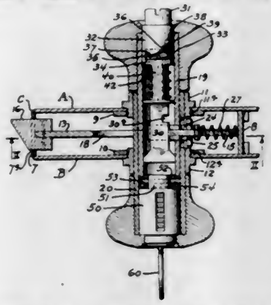


1. A rod line weight, comprising a casing body for reception of weighting material, a supporting rod axially extending through said casing body, bale supporting members swivelly mounted on said rod at the ends of said casing, and bales supported by said members.

2,184,875
DOOR LOCK
Walter R. Schlage, San Francisco, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application June 18, 1937, Serial No. 148,936
7 Claims. (Cl. 70—147)

1. In a lock of the character described, inner and outer knob actuated independently rotatable spindles, a latch bolt adapted to be retracted by either spindle, a dog for dogging the outer spindle against rotation, means whereby rotation of the inner spindle or depression of the latch bolt will move the dog from dogging position to undogging position; key-actuated means in the outer spindle, and a connection between said

key-actuated means and the inner spindle whereby the inner spindle is rotatable by the key



actuated means to release the dogging mechanism.

2,184,876

SAFETY GLASS

James H. Sherts, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application June 3, 1936, Serial No. 83,247

2 Claims. (Cl. 49—92)



1. In combination, a plate of safety glass comprising a single glass sheet, a layer of a polymerized incomplete poly-vinyl acetal resin formed by reacting poly-vinyl alcohol with butyraldehyde mixed with a glycol dihexoate as a plasticizer adhered to one face of the glass sheet, and a layer of polymerized incomplete vinyl acetal resin substantially free from plasticizer and formed by reacting poly-vinyl alcohol with formaldehyde adhered to the outer face of the first resin layer.

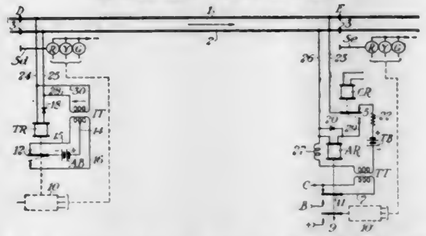
2,184,877

APPROACH CONTROL APPARATUS FOR RAILWAY SIGNALING SYSTEMS

Charles B. Shields, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 13, 1938, Serial No. 218,923

19 Claims. (Cl. 246—38)



1. In combination with a section of track which forms a part of a railway signaling system of the coded track circuit class, approach control apparatus comprising an approach governing relay at the exit end of the section, a source of trackway energy also at said exit end, a coding contact which repeatedly connects the rails of said section first to said source and then to the winding of said relay, a code following track relay located at the entrance end of the section and operated by energy received from said rails, a transformed also located at said entrance end and having an output winding connected with said rails, a direct current source of auxiliary energy, and a circuit controlled by said track relay for connecting said source with said transformer in such recurrent manner that during each of the "off" periods of the received trackway code that transformer is caused to generate an impulse of output energy which is transmitted over said rails to said exit end approach governing relay.

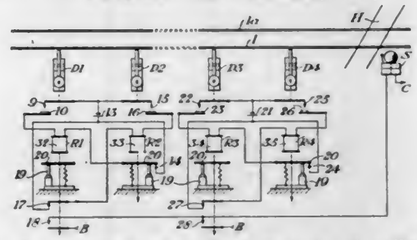
2,184,878

APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS

Paul J. Simmen, Eden, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application February 18, 1938, Serial No. 191,213

3 Claims. (Cl. 246—126)



1. In combination with a stretch of railway track over which traffic moves in either direction and which is intersected at grade by a highway, a highway crossing protective signal system of the class wherein operation of a highway crossing signal is initiated by a train moving toward the intersection within a given zone adjacent the intersection and is discontinued if the train stops within said given zone and is resumed when the train resumes its movement toward the intersection, comprising in combination, a highway crossing signal positioned adjacent the intersection, a plurality of groups of two track instruments each group spaced apart along said stretch within said given zone, the track instruments of each group being spaced apart along said stretch with the first instrument of each group being positioned more remote from the intersection than the second instrument, said track instruments each having a normally open contact which is closed when and only when the instrument is actuated by a wheel of a moving train, means controlled by the first track instrument of each of the groups and effective when that instrument is the first instrument of its group to be actuated by a train for operating the signal during the interval such instrument is actuated and for a predetermined interval of time thereafter, and means controlled by the second track instrument of each group and effective when that instrument is the first instrument of its group to be actuated by a train for preventing the other instrument of the group from operating the signal.

2,184,879

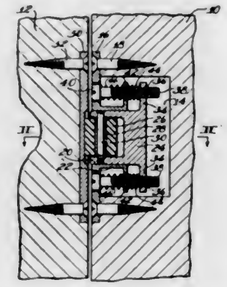
LATCH

Harry E. Woernle, Pittsburgh, Pa., assignor to McKinney Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application March 24, 1939, Serial No. 263,886

5 Claims. (Cl. 292—75)

1. A spring latch comprising a face plate, a block slidably carried by the face plate for movement normal to and through the face plate, a latch carried by the block, screws threaded into the block and operable through the face plate, means rigidly fixed relative to the face plate and positioned in spaced but substantially parallel



relation therewith and rotatably and slidably receiving the screws, and resilient means positioned between the last-named means and the block and between the last-named means and the heads of the screws.

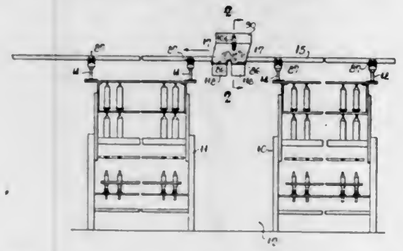
2,184,880

TRAVELING CLEANER

William B. Hodge, Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass., a corporation of Massachusetts

Application May 23, 1938, Serial No. 209,546

11 Claims. (Cl. 15—20)



1. In a traveling cleaner apparatus having a motor for propelling the same along a suitable trackway and having a fan clutched to said motor to be driven thereby for producing blasts of air as the apparatus travels along said trackway, and means carried by the apparatus and cooperating with other means disposed at spaced intervals along the trackway for disconnecting the fan from the motor at predetermined times and for predetermined intervals, and again connecting the fan to the motor.

2,184,881

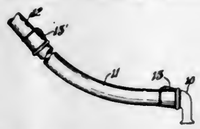
TUBULAR COUPLING FOR SUCTION CLEANERS AND THE LIKE

Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio

Application March 19, 1937, Serial No. 131,857

6 Claims. (Cl. 285—170)

1. A tubular coupling including separable tubular members which are arranged for telescoping one within the other for providing a passageway from the one into the other, means associated with the tubular members for releasably connecting the telescoped tubular members with each other, and a closure sleeve mounted so as to make a circumferential closure on one of the tubular members and extending beyond the end thereof and associated with the connecting means and having a ring portion adapted to make a resilient circumferential closure engagement with the other tubular member when the



tubular members are telescoped and connected with each other, the connecting means including a latch lever pivotally mounted on one of the tubular members under the sleeve and having upon one end a latch hook, and the tubular members having apertures therein arranged to register with each other and to receive the latch hook.

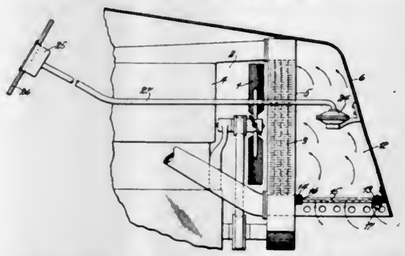
2,184,882

RADIATOR GUARD FOR MOTOR VEHICLES

Frank W. Meyer, East St. Louis, Ill.

Application December 8, 1938, Serial No. 244,505

4 Claims. (Cl. 293—54)



1. In a motor vehicle having a radiator near its forward end, and a frame surrounding and supporting the radiator; a downwardly and forwardly inclined front wall having its rear end attached to the sides and upper portion of said frame and forming an enclosure in front of the radiator having an open lower end, a screen in the lower portion of said enclosure below the plane of the radiator for screening air passing into said enclosure and thence to the radiator, and supports attached to said frame and to said wall respectively engaging and supporting said screen in an approximately horizontal position in the lower portion of said enclosure below the plane of said radiator as aforesaid.

2,184,883

COMPOSITION OF MATTER AND METHOD OF MAKING SAME

Irving E. Muskat, Akron, and Albert G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

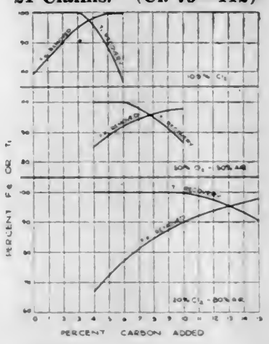
No Drawing. Application December 15, 1937, Serial No. 179,956

16 Claims. (Cl. 23—190)

1. Chlorinated melamine characterized in that a substantial amount of the chlorine in said chlorinated melamine is present as active chlorine.

4. Chlorinated dicyandiamide characterized in that a substantial amount of chlorine in said chlorinated dicyandiamide is present as active chlorine.

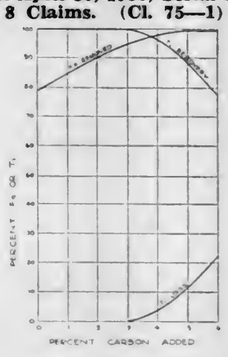
2,184,884
TREATMENT OF TITANIUM ORES
Irving E. Muskat and Robert H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 30, 1938, Serial No. 205,322
Renewed September 26, 1939
21 Claims. (Cl. 75—112)



CHLORINATION OF ILMENITE AT 900° C.
% REMOVED Fe & Ti, RECOVERY WITH VARYING CARBON CONCENTRATION

1. The process of removing iron from titanium bearing ores containing the same which comprises subjecting an intimate mixture of carbon and such ore to the action of a controlled amount of chlorine and an independently controlled amount of oxygen at a temperature above 500° C., the concentration of carbon being sufficient to cause volatilization of a substantial amount of iron chloride but insufficient to permit loss of a material portion of titanium.

2,184,885
TREATMENT OF TITANIUM ORES
Irving E. Muskat and Robert H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 30, 1938, Serial No. 206,219
8 Claims. (Cl. 75—1)



CHLORINATION OF ILMENITE AT 900° C.
REMOVED Fe & Ti WITH VARYING CARBON CONCENTRATION

1. The process of removing iron from an iron-titanium ore which comprises chlorinating an intimate mixture of said ore and from 1 to 12 percent by weight of carbon, at a temperature above 500° C., the amount of carbon being sufficient to cause volatilization of the major portion of the iron without volatilizing the major portion of the titanium, whereby a residue which is largely titanium dioxide containing only a minor amount of iron is produced.

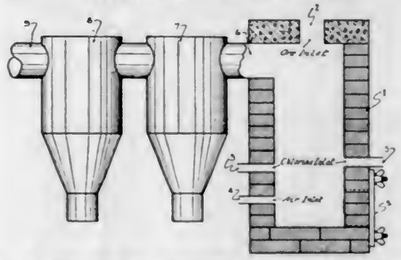
2,184,886
ORGANIC COMPOSITION OF HIGH CHLORINE CONTENT
Irving E. Muskat, Akron, and Albert G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application June 25, 1938, Serial No. 215,870
17 Claims. (Cl. 260—248)

2. Chlorinated ammeline characterized in that a substantial amount of the chlorine in said chlorinated ammeline is present as active chlorine.

3. Chlorinated ammelide characterized in that a substantial amount of chlorine in said chlorinated ammelide is present as active chlorine.

7. The process of preparing a composition of high active chlorine content which comprises treating a compound of the group consisting of the amides and imides of cyanuric acid with a chlorinating agent.

2,184,887
CHLORINATION OF TITANIUM BEARING MATERIALS
Irving E. Muskat and Robert H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 30, 1939, Serial No. 282,198
15 Claims. (Cl. 75—112)

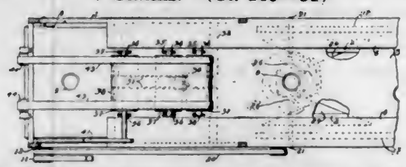


1. A continuous process of chlorinating a titanium oxide bearing material which contains 20 to 50 percent of titanium and about 10 to 50 percent of iron which comprises chlorinating a mixture of said material and about 15 to 35 percent by weight of carbon in the reaction zone of a reactor and introducing chlorine, carbon and said material therein at such a rate that sufficient heat is evolved from the reaction to maintain the temperature not less than 600° C., within at least a portion of the zone without externally heating said zone, whereby iron and titanium chlorides are formed and volatilized.

2,184,888
HALOGENATED MATERIAL AND METHOD OF PRODUCING SAME
Irving E. Muskat, Akron, and Albert G. Chenicek, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application July 20, 1939, Serial No. 285,586
14 Claims. (Cl. 23—190)

1. A halogenated compound of the group consisting of halogenated amides and imides of cyanuric acid and polymers of cyanamide, said composition being characterized in that a substantial amount of the halogen in said halogenated composition is present as active halogen.

2,184,889
LETTUCE TRIMMER
Newton H. Schneider, Salinas, Calif.
Application November 22, 1937, Serial No. 175,813
7 Claims. (Cl. 146—81)

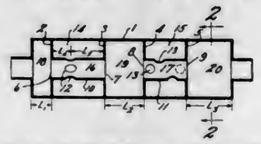


1. A lettuce trimming machine comprising, a resilient conveyor provided with supports along both side edges adapted to place the conveyor under lateral tension, said conveyor being provided with a succession of openings along its median line in which lettuce heads may be placed with their butt ends projecting therethrough, gauge means disposed below the conveyor, and presser means disposed above the conveyor and adapted to press the heads downwardly into engagement with the gauge means against the resistance of the conveyor.

2,184,890
MANUFACTURE OF LEAD ARSENATE
James W. Swaine, Bayside, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application July 30, 1937, Serial No. 156,577
4 Claims. (Cl. 23—54)

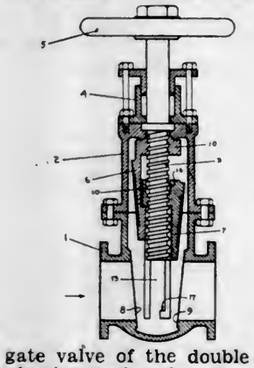
1. The method for making lead arsenate from given quantities of lead oxygen compound and arsenic acid in a two-phase reaction which comprises continuously feeding lead oxygen compound and arsenic acid into a reaction zone, causing such substances to react during an initial reaction phase to form lead arsenate, regulating feeding of lead compound and arsenic acid so as to introduce into the reaction mass minor portions of reactant ingredients and to maintain an excess of lead compound during said initial phase, then continuing feeding into the resulting reaction mass the remaining major portions of said compound and said arsenic acid, causing such remaining portions to produce further quantities of lead arsenate, regulating introduction of such remaining portions so as to maintain an excess of arsenic acid, and recovering lead arsenate.

2,184,891
SILENCER
Roland B. Bourne, West Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application December 13, 1937, Serial No. 179,414
15 Claims. (Cl. 181—59)



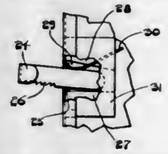
1. A silencer comprising a conduit forming a main sound conducting channel and having abrupt changes in cross sectional area forming alternating sections of large and of small cross sectional area, and closed acoustic side branches acoustically coupled to said channel at the sections of smaller area, the portions of the conduit of small cross sectional area being substantially displaced from alignment with each other and extending a substantial distance into the sections of larger cross sectional diameter.

2,184,892
VALVE
John Arthur Dickinson, Montreal, Quebec, Canada
Application January 14, 1938, Serial No. 184,992
6 Claims. (Cl. 251—68)



1. In a gate valve of the double disc type, a valve body having wedge shaped seats, a screw threaded stem having a handwheel mounted to rotate in a gland, inflow and outflow discs having faces bevelled to match the seats, each disc having a lug at its upper end threaded to receive the stem, the outflow disc having the upper part of its threading cut away, the inflow disc having a projecting ledge adapted to contact with the lug of the outflow disc to couple the stem to its lug.

2,184,893
MIRROR MOUNTING
Maurice C. Lumley, Norwood, Ohio, assignor to The F. H. Lawson Company, Cincinnati, Ohio, a corporation of Ohio
Application March 15, 1937, Serial No. 130,951
1 Claim. (Cl. 88—96)

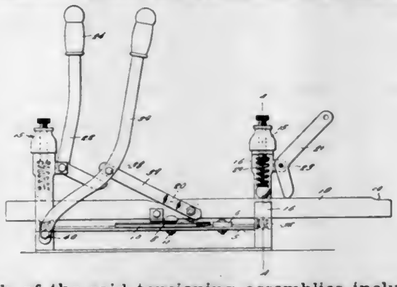


A mounting for mirrors, consisting of a backing sheet adapted to support a mirror thereon, locks on the sheet, and clips rockably mounted in spaced relation on the backing sheet and gripping the mirror, said locks and clips having pawl and ratchet construction, whereby mirror gripping movement of the clips is permitted and mirror releasing movement prevented, said locks permitting rocking movement of the clips to disengage the pawl and ratchet elements of the mounting, whereby the clips may be disengaged from the mirror.

2,184,894
TILE CUTTING MACHINE
Louis D. Mariutto, Schenectady, N. Y.
Application August 13, 1938, Serial No. 224,805
2 Claims. (Cl. 125—23)

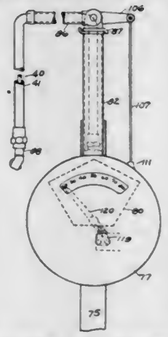
1. A tile cutting machine comprising a table,

a cutter bar for travel over the table, means for operating the bar, and tensioning means for the bar, said tensioning means consisting of a pair of assemblies one at each end of the machine,



each of the said tensioning assemblies including a spring-pressed ball for riding engagement with the cutter bar, and spring supporting means for the bar underlying said spring-pressed ball.

2,184,895
FLUID METER AND CYCLE OF OPERATION OF SAME
Courtney N. Mitchell, Strongsville, Ohio
Application July 15, 1935, Serial No. 31,389
Renewed May 23, 1939
33 Claims. (Cl. 221—73.5)



1. In an air meter of the type described, a source of air under pressure, a primary valve connected to said source, supply piping connecting said primary valve with a receiver, drainage piping from said receiver to a secondary valve, a sliding bar, means actuated by an increase in pressure in the receiver to move the sliding bar whereby the primary valve is closed, means associated with said sliding bar for opening the secondary valve, and an adjustable spring associated with an air operated member to slide the sliding bar.

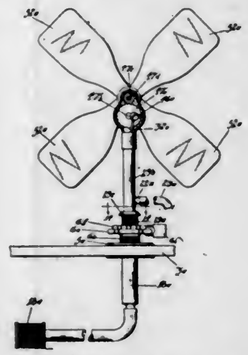
2,184,896
COATED ABRASIVE
Nicholas E. Oglesby, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts
Application February 6, 1937, Serial No. 124,504
Renewed November 22, 1939
15 Claims. (Cl. 51—278)

13. A coated abrasive comprising a cellulosic backing having a layer of grit bonded thereto by a layer of synthetic substantially unplasticized resin cured to an inflexible state, at least one third of the volume of the grits of the grit layer being above the average level of the resinous adhesive, the bond between the grains extending under and forming a stratum between the bottoms of the grains and the backing and the backing having a substantial portion of its thickness unpenetrated by and unmodified by said resinous adhesive, said resin bond being cured for such time periods and temperatures as to have the characteristics of being water-resistant, hard, rigidly holding the grains in place



and having a high tensile strength substantially above 6,000 pounds per square inch and being tough enough to prevent disintegration of the binder or dislocation of the grains from the binder under impacts encountered in use but being sufficiently brittle to permit mechanical flexing in which the bond is cracked to impart flexibility to the abrasive articles without serious injury to the bond.

2,184,897
PUMP
Alfred N. Phillips, Jr., Stamford, Conn.
Application October 10, 1936, Serial No. 105,025
2 Claims. (Cl. 114—183)

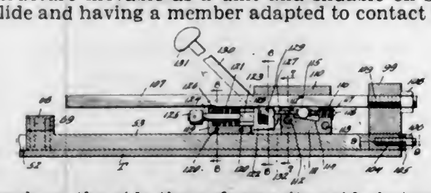


1. A coupling adapted for use with a bilge pump including a cylinder and a piston and intake and exhaust ports for use with boats having a deck and a wind driven means for driving said pump comprising a means for actuating said piston cooperating with said pump through an opening in said deck said coupling so arranged that said wind driven mechanism may be removed from said deck in order that said deck may be substantially unobstructed upon such removal, said coupling comprising a threaded lower portion of said wind driven means and a threaded sleeve engageable thereby, said sleeve being oppositely threaded and engaging threads in said opening in said deck and a locking ring engaging the exterior of said sleeve.

2,184,898
COMPOSING ROOM SAW
Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application May 21, 1936, Serial No. 81,069
6 Claims. (Cl. 29—69)

1. A machine of the character described in-

cluding in combination, a table having a slot formed therein, a saw adapted to cut in a plane parallel and adjacent to said slot, a slide slidable in said slot, an abutment rigid with said slide and means to clamp work to be operated on by said saw against said abutment comprising a structure movable as a unit and slidable on said slide and having a member adapted to contact the



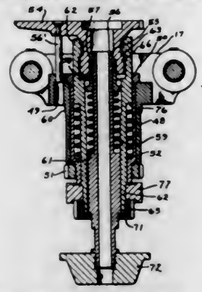
work on the side thereof opposite said abutment, means to yieldingly force said member against the work and hold the member against retrograde movement including a clamp lock plate associated with said structure having a wedge-shaped recess, means to lock said plate against movement relative to said slide including a roller in said recess and yielding means forcing said roller toward the shallow part of said recess.

2,184,899
FIBER GLASS WICKING
Errol B. Shand, Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application July 28, 1938, Serial No. 221,853
8 Claims. (Cl. 67—69)



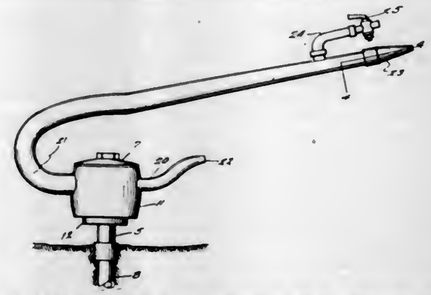
2. As a new article of manufacture, a wicking material for use with combustible fluids comprising glass filaments woven into a textile fabric, each of said filaments being coated with an adherent layer of organic material.

2,184,900
GLASS WORKING MACHINE
Harold H. Snyder, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 117,951
4 Claims. (Cl. 49—19)



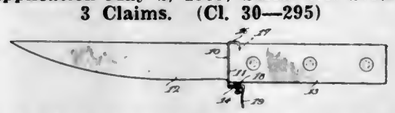
4. In a blowhead mechanism and support therefor, a main supporting unit having a bore passing therethrough, a shell lining such bore and having a shoulder on its inner surface, means for holding said shell fixed with respect to said unit, an apertured blowhead shoe arranged above said shell, a sleeve member suspended from said shoe having a shoulder on its exterior surface, a resilient member compressed between the shoulders of said shell and sleeve, a blowhead spindle in said sleeve member having an external shoulder and extending into the aperture of said shoe, a packing ring surrounding said spindle near the upper end thereof, a packing gland adjacent said ring, and a spring surrounding an intermediate portion of said spindle held partly compressed between the shoulder thereof and said packing gland.

2,184,901
GRASS SPRINKLER
Fred M. Spurlock, Pueblo, Colo.
Application September 8, 1938, Serial No. 229,016
2 Claims. (Cl. 299—69)



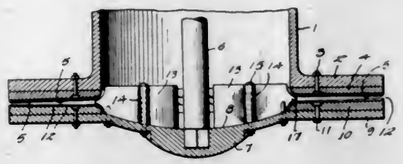
1. A grass sprinkler comprising a vertical water distributing pipe having a plurality of slots, arcuately curved blades formed on said pipe and partly overlying the slots for directing the streams of water from the slots in a substantially circular path, the upper end of said pipe being closed and said upper end having an annular shoulder thereon a barrel surrounding the pipe and including an apertured end wall to receive the pipe, a flange on the pipe and engageable with the apertured end wall, packing between the end wall and the flange, a closure cap for the other end of the barrel, an internal shoulder formed on said barrel to provide a seat, a plate rotatably supported by the annular shoulder of the pipe and clamped on the seat by the closure cap, a plurality of pins depending from the plate to be engaged by the streams of water escaping from the pipe by way of the slots for steadying the barrel during rotary movement thereof, a water discharge pipe connected with the barrel and adjustable means carried by said discharge pipe for discharging water therefrom in either one of two directions for causing rotary movement of the barrel and the parts carried thereby in either one direction or the other.

2,184,902
HAND PROTECTOR FOR KNIVES
Henry Antony, Brooklyn, N. Y.
Application May 2, 1939; Serial No. 271,377
3 Claims. (Cl. 30—295)



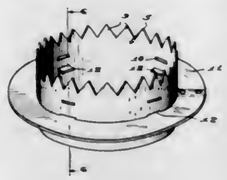
1. A hand protector for knives comprising a body member adapted to engage a knife handle adjacent to the blade, prongs on the upper end of the body, a set screw carried by the lower portion of the body adapted to engage the lower edge of the knife handle and embed said prongs in the upper edge of the knife handle, and a depending guard carried by said body.

2,184,903
GRINDING MILL
Henry Baehr, Grafton, Ohio
Application November 1, 1937, Serial No. 172,265
1 Claim. (Cl. 83—8)



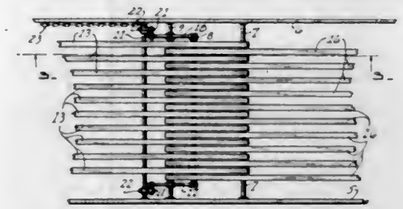
In a grain grinding mill, a stationary grinding ring disk, a rotary disk having a central concaved portion providing a grain receiving concavity, an annular portion formed on and surrounding the concaved portion, a ring grinding disk secured to the annular portion and disposed in spaced relation to the stationary grinding ring disk for cooperation therewith to provide a grain receiving space between the same, said ring disks having their inner peripheries curved inwardly toward the space to provide an annular mouth for the latter, a pair of relatively wide elongated longitudinally curved baffle plates fixed to and rising vertically from the bottom of the concavity and having their lower edges curved to follow and engage with said bottom, said baffle plates having one of their ends reduced in triangular formation with said ends extending into the mouth of the grain space, bolts rising from the periphery of the concavity to engage the plates adjacent to the triangular shaped ends for holding the latter within said mouths and said baffle plates having their opposite ends spaced a considerable distance from the center of the concavity and with respect to each other for the passage of the grain about the same and the plates from their triangular shaped ends being arranged in gradually spaced relation from the mouth to provide passages to direct the grain within said mouth.

2,184,904
FLOWER BED BORDER
John O. Boehme, Washington, N. J.
Application May 12, 1939, Serial No. 273,343
2 Claims. (Cl. 47—33)



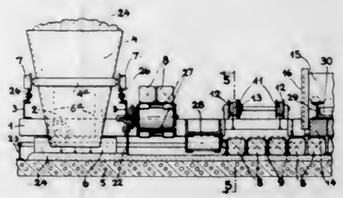
1. A flower bed protecting device comprising a cylindrical member having detachably connected ends, means for connecting the ends, a split annular flange surrounding the cylindrical member, means for adjustably connecting the flange on the cylindrical member, means for detachably connecting the ends of the flange, a split band surrounding the cylindrical member adjacent its upper end, and a plurality of overlapping U-shaped members clamped on the cylindrical member by said band and projecting above the upper end of said cylindrical member.

2,184,905
CONVEYER SPEED CHANGING DEVICE
Harry W. Brintnall, San Francisco, Calif., assignor to Harry W. Brintnall Company, San Francisco, Calif., a corporation of California
Application April 27, 1938, Serial No. 204,689
5 Claims. (Cl. 198—34)



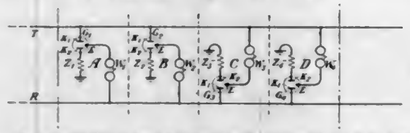
1. In a device of the character described, a plurality of conveyer belts moving at a uniform speed, additional conveyer belts moving at a different rate of speed, the ends of said two groups of belts being interspaced, whereby material conveyed by one group of belts will be passed onto the second group of belts, and means for periodically raising the surface of the last mentioned of said groups of belts at a point adjacent the interspacing above the surface of the other group of belts.

2,184,906
MACHINE FOR PAVING STREETS
Heinrich Bührmann, Meererbusch, near Dusseldorf, Germany
Application November 30, 1937, Serial No. 177,382
In Germany December 3, 1936
6 Claims. (Cl. 94—47)



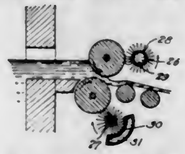
1. A device for paving a street or the like with paving stones or the like, comprising a frame extending over at least a part of the width of said street, means mounting said frame for movement over said street longitudinally thereof, a hopper carried by said frame for applying embedding material to said street, means mounting said hopper for back and forth movement transversely of said frame and street, means carried by said hopper and operative to preparatorily plane said material in a transverse direction as said hopper is moved across said frame to deliver embedding material to said street, a guide frame comprising at least one transverse row of stone guiding open cells carried by said frame rearwardly of said hopper, means for lowering and raising said guide frame to and from a position on said embedding material, said guide frame comprising means for regularly and accurately laying a batch of paving stones in said embedding material when said guide frame is in the lowered position, and means carried by said frame rearwardly of said guide frame for simultaneously tamping all of said batch of laid stones into said embedding material.

2,184,907
TELEPHONE RINGING SYSTEM
James Campbell, Jr., Upper Darby, Pa., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 1, 1938, Serial No. 217,055
5 Claims. (Cl. 179—86)



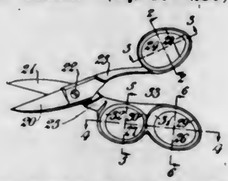
1. A signaling arrangement operable by alternating current alone, comprising a pair of conductors, a three-electrode gas tube, a resistor connected in a series circuit with two of the electrodes of said tube and one of said conductors and ground, and a ringer connected between the third electrode of the tube and the other conductor.

2,184,908
DEVICE FOR REGULATING THE TEMPERATURE OF METAL CYLINDERS
André Do Huu Chan, Sceaux, France, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Ibis, France
Application March 29, 1937, Serial No. 133,695
In France March 31, 1936
11 Claims. (Cl. 263—1)



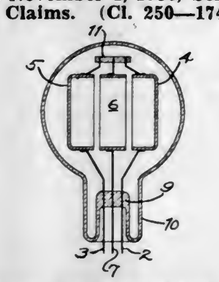
5. A device for regulating the temperature of a cylinder of the kind used in connection with the manufacture of glass, which comprises, in combination, a frame, a multiplicity of fine elastic metallic elements mounted in said frame so as to be elastically applied against the surface of said cylinder, whereby an interchange of heat with said cylinder is performed through said elements, said frame being rotatable and said elements forming a cylindrical brush about the axis of rotation of said frame.

2,184,909
SCISSORS
Abraham Alexander Crompton, near Uttoxeter, Staffordshire, England
Application September 17, 1936, Serial No. 101,307
In Great Britain September 17, 1935
1 Claim. (Cl. 30—256)



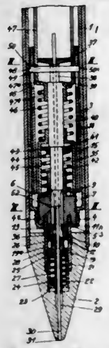
In scissors, a pair of blades having shanks, means pivotally connecting the blades, said shanks having mating bows and one of said shanks having an additional bow of the same size as and disposed forwardly of the first mentioned bow on said shank, said last mentioned bows being connected by a web, all of said bows having their inner surfaces rounded so as to conveniently receive the thumb and fingers, the first mentioned bow on the shank opposite the shank carrying two bows having its inner surface also chamfered to conveniently receive the thumb of either hand and the forwardly disposed bow being chamfered to conveniently receive the forefinger of either hand so that the scissors may be operated from either hand.

2,184,910
COLD CATHODE ELECTRON DISCHARGE TUBE
Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application November 4, 1936, Serial No. 109,154
3 Claims. (Cl. 250—174)



1. An electron discharge device comprising an envelope containing a pair of cup-shaped cathodes having their rims substantially parallel and their concavities facing each other, the interior surfaces of said cathodes being capable of producing secondary electrons at a ratio greater than unity upon electron impact therewith, and a ring-shaped anode positioned between said cathodes, the edges of said cathodes being closely adjacent all of the edges of said ring whereby a substantially closed electron chamber is formed.

2,184,911
PRESSURE FEED PENCIL
Kurt Fend, Pforzheim, Germany
Application January 31, 1938, Serial No. 187,977
In Germany April 29, 1937
10 Claims. (Cl. 120—17)



1. A pressure feed pencil including a casing, a storage chamber for leads slidably mounted in said casing at the rear end thereof, a tubular member slidably mounted in said casing adjacent

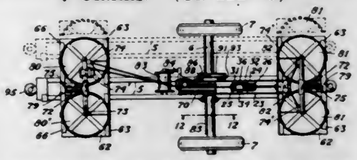
said chamber and in axial alinement therewith, means to guide leads to the bore of said member from said chamber, the forward end of said member comprising means for releasably gripping a lead in said member, means whereby sliding of said chamber towards the front end of said pencil advances said member and the lead gripped thereby, means for temporarily releasing said lead upon the sliding of said chamber and member in the opposite direction until the chamber and member have assumed their original positions, a connection between said member and chamber, said connection being operative to advance said member with said chamber only after the latter has been advanced a predetermined distance, a shell slidably mounted in said casing and surrounding said chamber and member, lead gripping means connected to the forward end of said shell, said connection between said member and said chamber being engageable with said shell to advance the same and said gripping means after the advance of said member has commenced.

2,184,912

CABLE AND WIRE LAYING MACHINE

Albert Edward Freeman, South Orange, and Temple Clifford Smith, Westfield, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Application November 5, 1937, Serial No. 173,040
7 Claims. (Cl. 111—5)



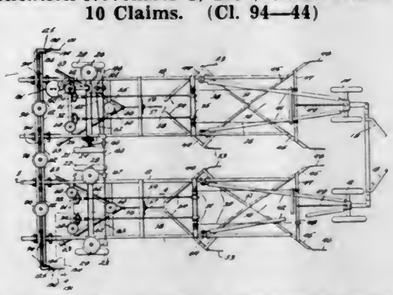
2. A wire and cable-laying plow having a wheel supported axle, a frame movable along the axle between the wheels, a plowshare mounted on the frame and movable therewith along the axle to form furrows in accordance with the position of the frame, and reel supporting platforms positioned forwardly and rearwardly of the plowshare and movable laterally on said frame.

2,184,913

ROAD MACHINE

Cornell G. Fuller, Barnwell, S. C., assignor, by direct and mesne assignments, of one-third to William K. Beckham, Columbia, S. C., and one-third to Frank E. Armstrong, Greenville, S. C.

Application November 8, 1937, Serial No. 173,502
10 Claims. (Cl. 94—44)



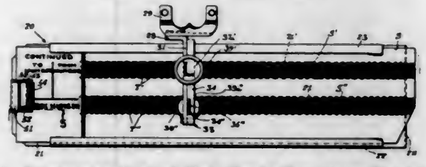
1. In a road machine a transverse smoothing blade hingedly suspended in said machine in operating position, a forwardly projecting apron, an element secured to the smoothing blade and projecting upon one side of the same, a horizontal pivot connecting the element and apron so that the apron turns about a horizontal axis and spring means tending to turn the apron about its pivot thereby keeping the heel of the apron in firm contact with the ground, said pivot permitting the blade to turn on its hinge support without raising the apron ends.

2,184,914

PHONOGRAPH

Heinrich F. Max Gramann, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application October 29, 1937, Serial No. 171,653
5 Claims. (Cl. 164—112)



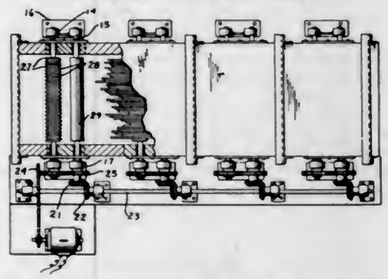
1. In apparatus of the character described including a carriage: the combination of a holder for an index slip, said carriage and holder being arranged for relative movement, and said holder comprising a slip-supporting base provided with a narrow aperture extending parallel with the path of said movement; and a punch assembly secured to said carriage for relative movement of said assembly and said holder, and including a die extending into said aperture and at least substantially into contact with the bottom of a slip held in said holder.

2,184,915

CONVEYER

David E. Gray, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application June 8, 1937, Serial No. 147,096
5 Claims. (Cl. 198—219)



1. In a conveyer mechanism, a series oppositely eccentrically mounted circular alternately disposed discs, concentrically mounted circular members arranged alongside said discs, means for revolving said discs and members, traveling bars which rest directly upon said discs and are moved by them during a portion of each revolution thereof and which during the remainder of each revolution rest directly upon said members and are moved by them.

2,184,916

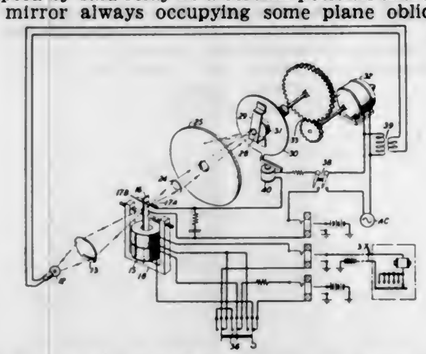
START-STOP PRINTING TELEGRAPH SYSTEM

Louis Wells Howle, Nashville, Tenn., assignor to American Telephone and Telegraph Company, a corporation of New York

Application March 19, 1938, Serial No. 196,982
12 Claims. (Cl. 178—69)

1. A testing device for observing as an arc of illumination on a screen the time occupied by

the relay of an armature in a given position comprising an electromagnetic relay having an armature, a source of a beam of radiation intercepted by said relay in a certain position thereof, a mirror always occupying some plane oblique



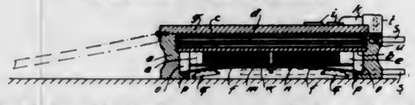
to said beam of radiation, a screen having its face in a plane transverse to said beam of radiation, and means for causing relative rotary movement at a definite angular velocity about said beam of radiation as an axis between said screen and said mirror.

2,184,917

RECEPTACLE FOR THE UTENSILS REQUIRED WHEN PLAYING CARDS, ESPECIALLY BRIDGE

Hans König, Stettin, Germany

Application April 7, 1937, Serial No. 135,540
In Germany January 30, 1936
2 Claims. (Cl. 273—148)



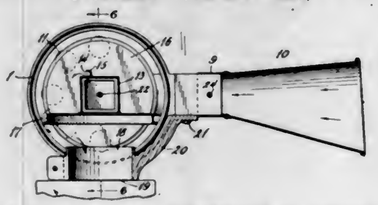
1. A receptacle for accommodating the utensils necessary for card playing, especially bridge, comprising in combination a frame closed at its upper side and having curved recesses in the inner sides of its two end walls, a removable pressure plate closing the under side of said frame, and a blade spring pivotally mounted in the middle of said pressure plate and whose ends are bent slightly away from the surface of said plate, said spring adapted to be pressed flat on to said plate and at the same time turned to engage in the recesses in said frame and to maintain said plate under pressure in closing position in said frame.

2,184,918

SUPERCHARGER CONSTRUCTION AND UTILIZATION

Jerome H. Kowitt, Baltimore, Md., assignor, by mesne assignments, to Standard Supercharger Corporation, a corporation of New York

Application May 27, 1936, Serial No. 82,148
9 Claims. (Cl. 123—119)



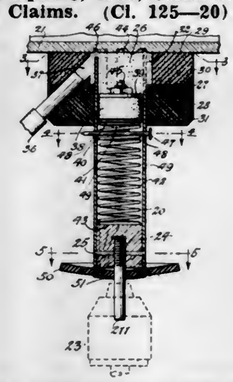
1. A supercharger comprising in combination, an air intake, air channels connected to said air intake to receive air therefrom, a mixing chamber communicating with said channels for receiving and intermingling air streams therefrom, air outlet ports in said mixing chamber permitting air passage therefrom, a casing communicating with said air escape ports to receive air therefrom, said casing having an air outlet adapted to be attached to a carburetor and openings for regulating the pressure of the air in the said casing.

2,184,919

DRILLING APPARATUS

Gottfried C. Miller, Buffalo, N. Y.

Application April 5, 1938, Serial No. 200,202
4 Claims. (Cl. 125—20)



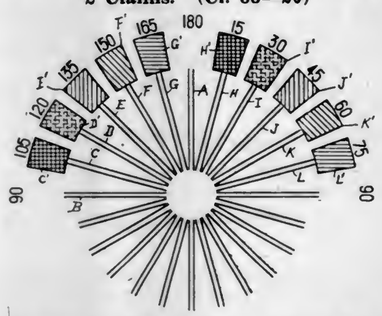
1. A drilling apparatus comprising a rotatable tubular bit adapted to be engaged at its front end with a body to be bored, and a guide of sponge rubber surrounding said bit and adapted to engage said body, the front part of said guide being constructed of comparatively soft sponge rubber and the rear part of said guide being constructed of relatively hard sponge rubber and having a bearing opening in which said bit is fitted to turn and slide lengthwise as the front end of the bit wears.

2,184,920

OPHTHALMIC CHART

Oliver P. Bigelow, Roanoke, Ind.

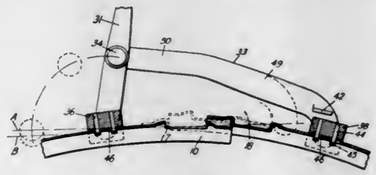
Application September 2, 1937, Serial No. 162,175
2 Claims. (Cl. 88—20)



1. An eye-testing chart for testing for astigmatism having displayed thereon groups of parallel lines radiating from a common center and constituting meridians, one of said meridians being vertical and another being horizontal, the other meridians, disposed between those already mentioned, constituting off-axis meridians; colored or shaded indicating-areas on said chart

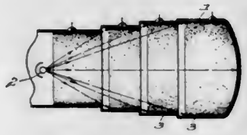
which differ in color or shade from each other, disposed respectively at the outer ends of said off-axis meridians; and indicia associated respectively with said off-axis meridians, which indicia inform the examiner at what angle from the vertical or from the horizontal to place a correcting cylindrical lens before the eye under examination.

2,184,921
TOOL FOR APPLYING SPLIT CLAMPING RINGS TO CONTAINERS
Hans A. Eggerss, Van Wert, Ohio
Application February 18, 1939, Serial No. 257,151
3 Claims. (Cl. 254—77)



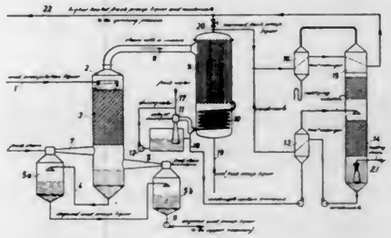
1. In combination, a split ring, said ring being adapted to be contracted so that its ends overlap and having interfitting portions adapted to maintain it in contracted condition, a tool for contracting said split ring and causing said interfitting portions to engage each other, said tool comprising a main lever, a link having one of its ends pivoted to said lever at a point intermediate the ends of said lever, a ring-engaging member adapted to engage one end of said ring and being pivoted to the inner end of said lever, a ring-engaging member adapted to engage the other end of said ring and being pivoted to the free end of said link, said lever and said link being so shaped and said pivot points being so disposed that the ring-engaging member connected to said link will move the end of the ring to which it is connected laterally away from the other end of the ring during contraction of the ring.

2,184,922
METHOD OF PRODUCING SECTIONAL COATINGS IN VACUUM VESSELS
Erwin Günzel, Berlin-Lichterfelde Sud, and Ernst Ruska, Berlin-Zehlendorf, Germany, assignors to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application February 11, 1937, Serial No. 125,306
In Germany March 21, 1936
2 Claims. (Cl. 250—27.5)



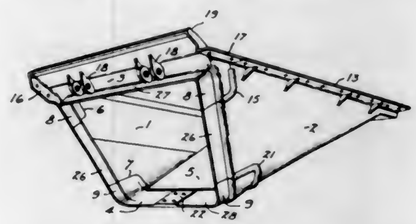
1. A Braun tube wherein a series of separate wall coating electrodes may be produced, comprising an envelope having an electrode for evaporating wall coating material when heated, a plurality of concentric wall portions of said envelope extending into the path of flow of such evaporated wall coating material to shade portions of said wall adjacent said concentric wall portions from said electrode, and terminal leads extending through the unshaded portions of said wall and connected with said coating electrodes.

2,184,923
PROCESS OF RECOVERING AMMONIA FROM USED CUPRAMMONIUM ARTIFICIAL SILK PRECIPITATION LIQUORS
Alfred Haltmeier, Cologne, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application April 6, 1937, Serial No. 135,227
In Germany April 11, 1936
7 Claims. (Cl. 23—193)



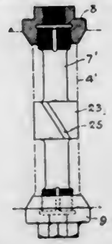
1. The process of recovering ammonia and heat from used cuprammonium artificial silk precipitation liquors which comprises bringing the warm liquors with substantially the temperature they have when coming from the precipitation treatment into counter-current contact with a current of steam having a pressure corresponding substantially to the pressure of saturated steam at a temperature equal to the temperature of the liquors, at least a part of said steam being obtained by evaporation of the still warm precipitation liquors after the counter-current treatment at a pressure lower than that of said steam employed for the counter-current treatment of said precipitation liquors and compressing said part of the steam to the pressure employed for the counter-current treatment, introducing said compressed steam into the counter-current apparatus and removing the ammonia and the steam carrying the ammonia and condensing the ammonia and the steam together.

2,184,924
HOPPER CONSTRUCTION
Karl M. Hamilton, Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa, a corporation of Iowa
Application September 11, 1937, Serial No. 163,411
9 Claims. (Cl. 105—251)



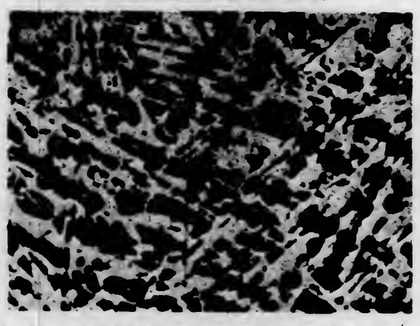
1. In a railway car hopper construction, two substantially triangular side plates, each being recessed at the upper and lower corners of the discharge end, upper and lower cross rails having end flanges fitting in the recessed corners of the side plates and secured thereto, and a floor plate supported by and secured to the side plates and overlying the lower cross rail.

2,184,925
CUP FOR CONTAINING LUBRICANT
Otto Jabelmann, Omaha, Nebr., and Raymond J. Finch, Schenectady, N. Y., assignors to American Locomotive Company, New York, N. Y., a corporation of New York
Application May 23, 1938, Serial No. 209,512
10 Claims. (Cl. 308—121)



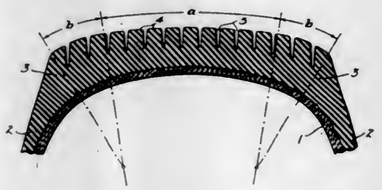
5. A mechanism comprising an orificed member; a bushing disposed in said orifice and carried by said member; a journal disposed in said bushing, said member and bushing being adapted for unitary rotative movement relative to said journal; a chamber for lubricant formed in said member, having an opening at each of the opposite ends thereof, said member having a face adjacent each of said openings forming a seat; a passageway for the emission of lubricant connecting said chamber with the inner face of said bushing; a closure body disposed in said chamber only partially filling said chamber to provide a space for the lubricant; means connecting said bushing with said body, said means holding said bushing against movement relative to said member, and said body preventing movement of said means in a direction away from said bushing; a head carried by said body at each end thereof closing the end opening adjacent thereto and having a face engaging the adjacent seat, at least one of said heads being adjustably secured to said body and adjusted to draw said heads into tight engagement with their respective seats; and a passageway connecting said chamber with the exterior, providing means for supplying said chamber with lubricant.

2,184,926
METAL BLASTING MATERIAL AND METHOD OF PRODUCING THE SAME
Gustave H. Kann, Pittsburgh, Pa., assignor to The Globe Steel Abrasive Company, Mansfield, Ohio, a corporation of Ohio
Application July 28, 1938, Serial No. 221,807
6 Claims. (Cl. 51—280)



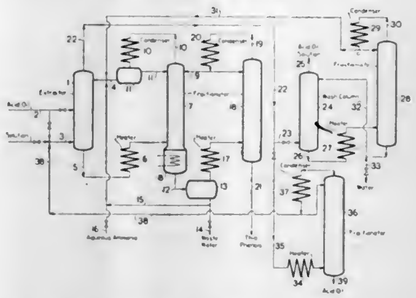
1. A metal blasting material in the form of shot or grit, said material containing carbon in the range of 2.0 to 4%, silicon from .5 to 3%, manganese from .20 to 2%, sulfur from traces to .3%, phosphorus from .05 to 2% and the balance substantially iron, and said material having been at least partially malleableized from white iron and cooled at such a rate that its toughness is increased and its hardness is decreased to within a range from 125 to 500 on the Brinell scale.

2,184,927
PNEUMATIC TIRE
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application March 29, 1937, Serial No. 133,492
7 Claims. (Cl. 152—209)



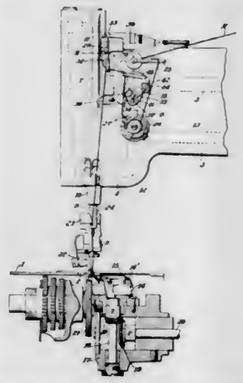
1. A pneumatic tire having a tread the major portion of which is composed of narrow, closely spaced flexible and elastic circumferential ribs which are of greater height than width, the tread portion of said tire having a radius of transverse curvature throughout the major portion of its width materially greater than the radius of transverse curvature of the tire when inflated, whereby the elastic circumferential ribs are stretched and put under tension upon inflation of the tire.

2,184,928
PROCESS FOR THE SEPARATION OF THIOPHENOLS FROM ALKYL PHENOLS
Daniel B. Luten, Jr., and Samuel Benson Thomas, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 15, 1939, Serial No. 268,050
10 Claims. (Cl. 260—609)



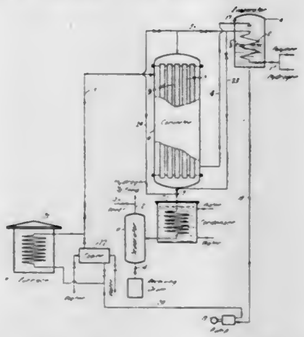
1. In the process of separating thiophenols from an alkyl phenol mixture containing same, the steps comprising extracting said mixture in countercurrent with aqueous ammonia having a concentration not less than about 10% in an amount substantially in excess of that which is equivalent to the content of thiophenols in said mixture, under conditions to produce two layers only, an alkyl phenol layer and a layer of aqueous ammonia containing thiophenols, and separating the layers.

2,184,929
THREAD CONTROLLING DEVICE FOR SEWING MACHINES
Joseph R. Nunn, Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 20, 1938, Serial No. 230,758
1 Claim. (Cl. 112—246)



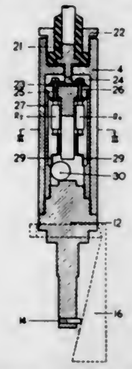
In a sewing machine, in combination with a reciprocatory needle, a loop-taker complemental to said needle in the formation of lock-stitches, a needle-thread tensioning device, and a vibratory take-up lever, of a stationary thread-guide disposed adjacent said take-up lever in position to modify the length of thread given up by said lever, and means providing for adjustment of said thread-guide into an ineffective position thereof.

2,184,930
PROCESS FOR THE VAPOR PHASE HYDROGENATION OF OLEFIN POLYMERS
Jan D. Ruys and Ewald D. Pyzel, Pittsburg, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 21, 1935, Serial No. 22,570
2 Claims. (Cl. 260—676)



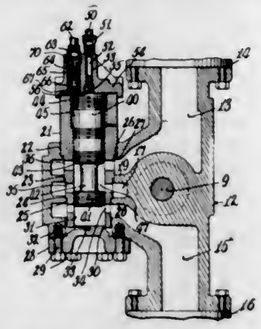
1. In a continuous process for effecting the vapor phase hydrogenation of an unsaturated hydrocarbon to the corresponding saturated compound in the presence of an active hydrogenation catalyst when the unsaturated hydrocarbon to be hydrogenated contains more than a critical concentration of a catalyst poisoning impurity which poisons the catalyst by forming a loose association therewith, the steps which comprise passing the vapors of the unsaturated hydrocarbon, together with an effective amount of free hydrogen, in one direction through a mass of the catalyst under hydrogenation conditions and continuing the hydrogenation until the activity of the catalyst has decreased to a predetermined minimum practical value due to temporary poisoning of that part of the catalyst mass which first comes into contact with the material to be hydrogenated, then reversing the flow of the unsaturated material and hydrogen and passing it in the opposite direction through the same catalyst mass under hydrogenation conditions so that it first contacts that portion of the catalyst mass which still has substantially its initial activity and continuing the hydrogenation until the activity of the catalyst has decreased to a predetermined minimum practical value, then again reversing the flow and continuing the cycle as described whereby the end of the catalyst mass which first contacts the material to be hydrogenated progressively loses activity while the opposite end of the same catalyst mass is being reactivated while substantially complete hydrogenation of the unsaturated hydrocarbon is being effected, and the activity of the catalyst is maintained within a practical operating range.

2,184,931
ORIENTING DEVICE
Alphons Gerard Hubert Straatman, The Hague, Netherlands, and Douglas Percy Rees, Birmingham, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 5, 1938, Serial No. 200,190
In the Netherlands April 13, 1937
3 Claims. (Cl. 255—1)



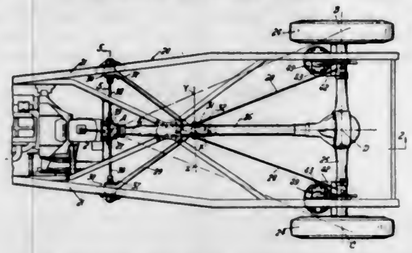
1. In an apparatus for deflecting boreholes deviating from the vertical, a tubing string adapted to be lowered into a borehole, a drill bit attached to the lower end of the string, a whipstock, frangible means detachably affixing said whipstock to the lower end of the string, a clinometer carried by the lower end of the string, said clinometer being adapted to indicate the angular relationship between the whipstock and the deviation plane of the borehole, means for electrically transmitting said indications to the surface, means for setting the whipstock according to the indications of the clinometer, and means for guiding the drill bit past the whipstock by applying to the string a downward pressure sufficient to break the frangible means affixing the whipstock to the string, whereby the borehole is deflected in the desired direction by continued drilling.

2,184,932
MOTOR
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 17, 1935, Serial No. 40,949
31 Claims. (Cl. 121—150)



1. In a motor, in combination, a cylinder, a piston reciprocable therein, means for continuously venting one end of said cylinder, and means for controlling admission and exhaust with respect to the opposite end of the cylinder including a valve performing both admission and exhaust functions and throwing means for said valve including means for continuously subjecting one end thereof to motor back pressure, said back pressure being in excess of atmospheric pressure, and means for alternatively subjecting the other end thereof throughout nearly complete piston travels in opposite directions to cylinder pressure and to atmospheric pressure.

2,184,933
VEHICLE SUSPENSION
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 17, 1937, Serial No. 126,251
14 Claims. (Cl. 280—124)



1. In a vehicle having in combination a frame, a rear axle housing having drive wheels, and a torque tube rigidly attached at one of its ends to said housing centrally thereof and at right angles thereto and pivotally connected at the other of its ends to said frame through a universal joint, means pivotally connected to said torque tube and to said frame for pivotally connecting said frame to said torque tube intermediate the ends of said torque tube and directly below the latter, about an axis determined by the universal joint and a point midway of a line joining the points of contact of the wheels with the roadbed the lowermost portions of said wheels and the pivotal point of said universal joint.

2,184,934
PREPARATION OF ESTERS OF METHACRYLIC ACID
Herman A. Bruson and Robert N. Washburne, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application July 13, 1937, Serial No. 153,358
15 Claims. (Cl. 260—486)

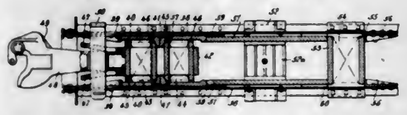
1. A process for converting an ester of α-hydroxy-isobutyric acid to the corresponding ester of methacrylic acid which comprises passing the vapor of the α-hydroxy-isobutyric acid ester in contact with a dehydrating catalyst at a temperature of from about 325° C. to about 425° C.

2,184,935
SULPHONATED AROMATIC ETHER ALCOHOLS
Herman A. Bruson and Clinton W. MacMullen, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application January 10, 1939, Serial No. 250,166
13 Claims. (Cl. 260—512)

1. A process for preparing a sulphonated aromatic ether alcohol of the general formula R—O—X—OH wherein R is a sulphonated aromatic nucleus and X is a member of the group consisting of alkylene and polyalkylene ether radicals having at least two carbon atoms in each alkylene group, which comprises treating with a sulphonating agent a compound of the formula R′—O—X—OH wherein R′ is an aromatic nucleus, to introduce a sulphonic group into the aromatic nucleus and to form a sulphuric ester group, and subsequently heating the product in aqueous, acidic solution to hydrolyze the sulphuric ester group.

7. A sulphonated aromatic ether alcohol having the formula A—R—O—X—OH wherein R is a sulphonated aromatic nucleus, A is a substituent selected from the class consisting of primary and secondary aliphatic hydrocarbon groups, alicyclic hydrocarbon groups, aralkyl groups, and carboxylic acyl groups of at least four carbon atoms and X is one of the group consisting of alkylene and polyalkylene ether radicals having at least two carbon atoms in each alkylene group.

2,184,936
CUSHIONING MECHANISM
Leverett M. Clark, Snyder, N. Y., assignor to Waugh Equipment Company, New York, N. Y., a corporation of Maine
Original application March 24, 1937, Serial No. 132,699. Divided and this application December 1, 1937, Serial No. 177,456
6 Claims. (Cl. 213—46)



5. In a railway vehicle having a draft pocket and a coupler, the combination of a pair of cushioning units lying in line within the pocket, a yoke member connected to the coupler and having a portion encircling said units, abutment means in the pocket, one end of each unit engaging a part of the yoke member only and each of the other ends of the units respectively engaging a part of the abutment means only, the abutment means having stationary and movable parts and

the units operating in alternation under buff and draft conditions, the stationary part of the abutment means acting as a stop for causing one of the units to be compressed when the yoke member moves forward under a force in draft, a movable part of the abutment means moving rearwardly with the other unit and yoke member when the latter is subjected to a force in buff, a supplemental cushioning unit operable in buff only, and means interposed between and contacting with the movable part of the abutment means and the supplemental unit, said supplemental unit acting through the interposed means to resist rearward movement of said movable part.

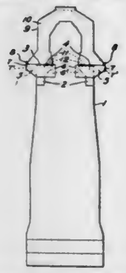
2,184,937

METHOD OF PRODUCING A STOCKING

Joseph K. Cobert, Sherbrooke, Quebec, Canada

Application December 18, 1937, Serial No. 180,561

8 Claims. (Cl. 66—82)



1. Method of producing hosiery comprising knitting the leg portion of a stocking blank, joining heel blanks along one edge to the high heel splicing edges of said leg portion, knitting a foot portion directly onto said leg portion, severing the connected edges of the heel blanks from the leg portion and looping other edges of the heel blanks to the high heel splicing edges of the leg portion to form a complete stocking blank.

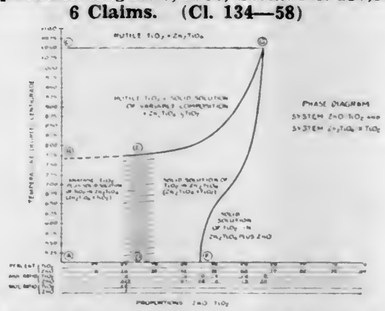
2,184,938

PREPARATION OF PIGMENT COMPOSITIONS

Sandford S. Cole, Metuchen, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

Application August 7, 1937, Serial No. 157,887

6 Claims. (Cl. 134—58)



1. Method of preparing thermally stable solid solutions of titanium dioxide in zinc orthotitanate, which comprises heating a mixture of a zinc compound selected from the group consisting of zinc oxide, compounds of zinc which yield zinc oxide on heating, zinc orthotitanate, and solid solutions of titanium dioxide in zinc orthotitanate which are unsaturated with respect to titanium dioxide, a titanium compound selected from the group consisting of titanium dioxide, hydrous titanium oxide, and titanium compounds which yield titanium dioxide on heating in such proportions that for every mol of TiO_2 in said mixture there will be present less than 2 mols ZnO and an amount of an inorganic phosphate compound calculated as P_2O_5 between about 0.05 percent and 5.0 percent based on the TiO_2 content of the mixture, at temperatures between about 450° C. and 1100° C. until a solid solution of titanium dioxide in zinc orthotitanate is formed.

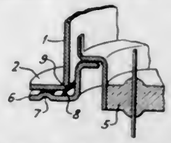
2,184,939

WELD SPLASH SHIELD

Norval H. Green, North Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application November 23, 1938, Serial No. 241,925

4 Claims. (Cl. 250—27.5)



1. An envelope for an electron discharge device comprising a tubular metal shell with a flange extending radially outward from the rim of one end of the shell, a header for said shell comprising a metal cylindrical ring telescoped into said one end of the shell and a radial header flange on one end of said ring overlapping the shell flange, and a beveled metal band with its outer edge in annular engagement with the surface of said header flange, the side of the band being in annular contact with the rim of said shell, and the inner edge in annular contact with the ring of said header.

2,184,940

AERIAL MOUNTING

Edward Cecil Cork, London, and Joseph Lade Pawsey, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application July 19, 1938, Serial No. 219,972

In Great Britain July 27, 1937

5 Claims. (Cl. 250—33)



1. In combination with an antenna supporting

mast having a transverse dimension which is large compared to the operating wave length of said antenna, said mast being formed of a number of main longitudinal conductive members and a number of cross-bracing conductive members of means providing a low impedance path to earth connected at junctions of said longitudinal members and cross-bracing members.

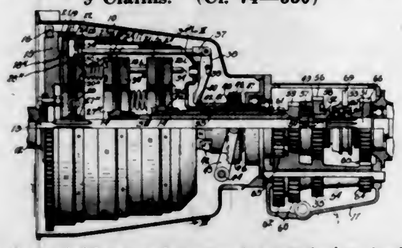
2,184,941

TRANSMISSION

Jorge Maroto, Oak Park, Ill.

Application April 1, 1937, Serial No. 134,219

9 Claims. (Cl. 74—330)



1. A variable speed power transmission including a case, driving means, a driving shaft, a driven shaft, means for coupling the driving shaft to the driven shaft for direct drive, a plurality of reducing gear trains including a countershaft, means for transmitting power from said countershaft to the driven shaft, including a one way clutch incorporated in the drive from the countershaft to the driving shaft whereby the driving shaft can overrun the reducing gear trains, means associated with said coupling means and said one way clutch for locking out said one way clutch at will, separate clutches for coupling the driving means to the driving shaft and to each of said reducing gear trains, and means for sequentially engaging or disengaging said clutches.

2,184,942

BRACELET

Carol McDonald, New York, N. Y.

Application February 18, 1939, Serial No. 257,057

1 Claim. (Cl. 63—1)



An article for personal decoration of the arm and which may be used either alone for such purpose or as a carrier for additional decoration, said article comprising a band of material for encircling the arm and having a pair of slots in the portion of the band which is uppermost when worn upon the arm, said slots being practically non-apparent when the band constitutes the sole article of decoration, while at the same time being adapted to accommodate a ribbon by which a flower or like additional decoration may be secured to the band as and when desired, and a ribbon for engagement with said slots and by which such additional decoration may be secured to the band and the band may be secured to the arm to maintain the band and additional decoration in uppermost position upon the arm, according to the desire of the wearer.

2,184,943

TREATMENT OF AMMONIACAL SOLUTIONS OF METAL SALTS FOR RECOVERING THEIR CONSTITUENTS

Karl Pattock, Wolfen, Kreis Bitterfeld, and Hans Wassenegger, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application March 25, 1937, Serial No. 133,000. In Germany April 4, 1936

5 Claims. (Cl. 23—50)

1. The process for recovering metals and ammonia from highly diluted aqueous ammoniacal solutions of complex metal salts which comprises passing the solutions through a number of filters containing a granular waterinsoluble resin of the group consisting of condensation products of a polyhydric phenol and formaldehyde and condensation products of a phenol and formaldehyde, containing sulfonic acid radicles, interrupting the filtration when saturation of the first filter with metal ions occurs, and separating the metal from said filter by regenerating it with an acid which forms soluble salts of the metal.

2,184,944

PROCESS OF IMPROVING THE RESISTANCE OF A MINERAL OIL

Adrianus Johannes van Peski, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 1, 1937, Serial No. 128,495. In the Netherlands March 13, 1936

4 Claims. (Cl. 196—1)

4. In the process of improving the resistance to oxidation of a mineral oil selected from the group consisting of lubricating and insulating oils, the steps comprising selectively hydrogenating an aromatic, liquid SO_2-soluble extract of a mineral lubricating oil containing olefinic and non-hydrocarbon impurities under conditions to eliminate at least a major portion of said impurities and to produce a purified aromatic extract, and adding a small amount of the latter to the said mineral oil.

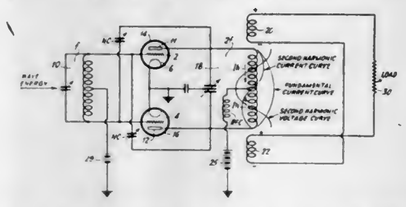
2,184,945

FREQUENCY MULTIPLIER

John L. Reinartz, Manchester, Conn., assignor to Radio Corporation of America, a corporation of Delaware

Application April 8, 1937, Serial No. 135,627

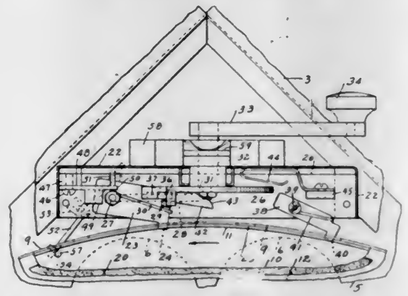
3 Claims. (Cl. 250—36)



1. In a frequency doubler circuit, a pair of electron discharge tubes each having a control electrode, an anode, and a cathode, a circuit tuned to a fundamental frequency connecting said control electrodes in push-pull relation and to said cathode, a circuit including inductance tuned to twice the fundamental frequency connecting said anodes in push-pull relation and to said cathodes, a load, a separate pick-up coil

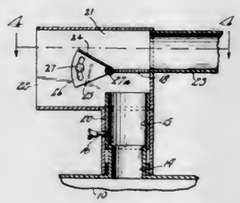
coupled to each end of said inductance of said last named tuned circuit, and means connecting said coils in series with said load.

2,184,946
STEP-BY-STEP MECHANISM
Chester A. Ropp, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois
Original application April 17, 1937, Serial No. 137,460. Divided and this application May 25, 1938, Serial No. 209,902
10 Claims. (Cl. 74—126)



1. A step-by-step movement for a cylindrical turn-table having a plurality of equally spaced-apart apertures in its circumference including a base spaced apart from a tangent to said turn-table, a pivoted reciprocable slide having its pivot mounted to travel in a slot in the base, said slide having a dog adapted to engage in an aperture in the turn-table, resilient means normally maintaining the dog out of engagement with the turn-table, a pivoted operating disc mounted above the base, means upon the slide adapted to be engaged by spaced-apart means upon the disc to reciprocate the slide upon an oscillatory movement of the disc, and means on the disc between said spaced-apart means to reciprocate the slide to engage the dog in an aperture during a movement in one direction.

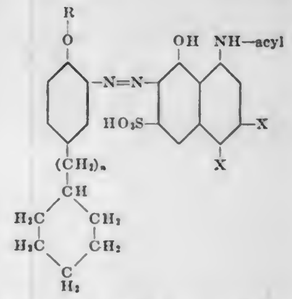
2,184,947
METHOD OF AND MEANS FOR CONTROLLING GAS AND OIL BURNERS
John R. Scheel, Chicago, Ill.
Application March 7, 1938, Serial No. 194,300
3 Claims. (Cl. 158—1)



2. In combination with a gas or oil burner and its outlet to the flue, a device for controlling admission of secondary air to the products of combustion comprising a casing interposed between said outlet and said flue, an opening in said casing to admit air, an adjustable sleeve surrounding said outlet, a baffle plate in said casing between said outlet and said flue, means for controlling the flow of exhaust gases and secondary air by adjusting said sleeve in cooperation with said baffle plate, and an adjustable damper plate interposed between said baffle plate and said flue.

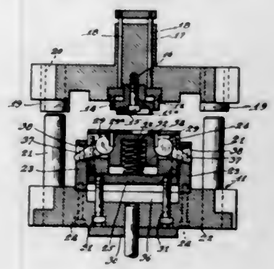
2,184,948
ACID WOOL DYESTUFFS
Carl Theo Schultis, Bergen, near Frankfort-on-the-Main, and Ernst Korten, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 1, 1938, Serial No. 216,964
3 Claims. (Cl. 260—198)

1. The acid wool dyestuffs of the general formula:



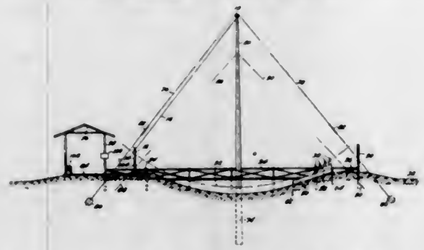
wherein acyl stands for a member selected from the group consisting of aliphatic and aromatic carboxylic and sulfonic acid radicles, R stands for a member selected from the group consisting of lower alkyl radicles and of araliphatic and aromatic radicles of the benzene series, n stands for one of the numbers 1, 2 and 3, one X means hydrogen and the other X a sulfonic acid group, which dyestuffs dye animal fibers red shades of good fastness properties.

2,184,949
METHOD OF FORMING A BUSHING RING
Sol Schwartz, Chicago, Ill., assignor to Barrel Fitting & Seal Corporation, Chicago, Ill., a corporation of Illinois
Original application January 21, 1937, Serial No. 121,431, now Patent No. 2,144,346, dated January 17, 1939. Divided and this application September 20, 1937, Serial No. 164,672
3 Claims. (Cl. 29—148.2)



1. The method of forming a bushing ring from a cylindrical collar having a flange extending at substantially right angles to the axis of said cylindrical collar, the flange having a plurality of angularly disposed faces about the periphery thereof, which consists in upsetting the material of the faces of the flange to produce out of a single thickness of said flange inwardly converging edges when said ring is viewed in cross section.

2,184,950
APPARATUS FOR BOWLING
Irving Shoor, Sarasota, Fla.
Application April 7, 1939, Serial No. 266,461
11 Claims. (Cl. 273—40)



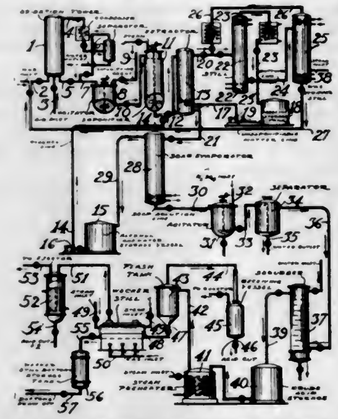
1. Bowling apparatus, comprising spaced poles of substantial height, a cross bar extending therebetween, a long cable secured to said cross bar between said poles, a large bowling ball fastened to the lower end of said cable, a player's platform at one side of said poles, and a pin block at the opposite side of said poles, the space therebetween being substantially lower than said platform and block in order to clear the suspended bowling ball during its flight, said pin block being so stepped that the pins thereon follow the curved path of the bowling ball.

2,184,951
MOTHPROOFING DETERGENT COMPOSITION
Hermann Stötter, Leverkusen I. G. Werk, and Theodor Hermann, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 13, 1936, Serial No. 95,840, now Patent No. 2,130,435, dated September 20, 1938, which is a division of application Serial No. 535,564, May 6, 1931, now Patent No. 2,082,188, dated June 1, 1937. Divided and this application June 8, 1937, Serial No. 147,036. In Germany May 30, 1930
3 Claims. (Cl. 87—5)

2. A mothproofing detergent composition consisting essentially of an acid soapy washing agent in preponderating proportion and triphenyl-dichloro-benzyl phosphonium chloride, said composition being at the most only slightly colored in the dry state, being soluble in water, and being adapted for simultaneously cleaning and rendering mothproof wool, feathers, hair and like materials.

2,184,952
RUSTPROOFING COMPOSITION
John C. Zimmer, Hillside, N. J., and Jack B. Crutchfield, Richmond, Va., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 30, 1938, Serial No. 205,192
8 Claims. (Cl. 134—1)

1. A rustproofing composition comprising a hydrocarbon coating vehicle containing at least 5% of an aldehyde-free unsaturated distillation residue of acids produced by the low temperature



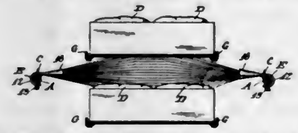
liquid phase catalytic oxidation of hydrocarbon wax at atmospheric pressure.

2,184,953
TIME LINES RECORDING APPARATUS
Andrew B. Bryan, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 13, 1936, Serial No. 79,470
1 Claim. (Cl. 234—36)



A device for obtaining time lines on a record for approximately 2 seconds during the unsustained vibrations only of a tuning fork, comprising a tuning fork having a cycle of approximately 50 vibrations per second, a shutter carried by each prong of the fork, the shutters overlapping and having aligned slits when in rest position, means for starting the prongs in vibration to give unsustained vibrations only, a light sensitive film on one side of the shutters movable at a constant speed transversely of the slits, a stationary point of light on an opposite side of the shutters whereby a gradually widening beam of light passes through the slits of the shutters when they are in alignment, and a cylindrical lens having its long axis parallel with the slits disposed between the shutters and film and relatively close to the film to focus the beam of light upon the film whereby successive time lines are recorded on the film at intervals of about $\frac{1}{100}$ of a second.

2,184,954
METHOD FOR QUICK FREEZING OF FOOD PRODUCTS
Chester J. Conn, Suffolk County, N. Y.
Application May 26, 1937, Serial No. 144,785
3 Claims. (Cl. 62—170)



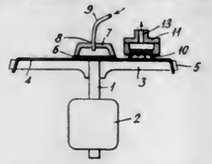
3. A method of refrigerating products compris-

ing discharging refrigerant in the form of a continuous film or sheet, and acting on such film or sheet to cause the same to contact tangentially with the surfaces of the products being treated.

2,184,955
GRINDING AND POLISHING MACHINE

Erwin Gerlach, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 3, 1937, Serial No. 151,952
In Germany July 10, 1936
3 Claims. (Cl. 51—125)



1. A grinding and polishing machine for piezoelectric bodies soluble in a liquid comprising a rotatable plate driven by a motor, a cap-like liquid distributor located in the center of said plate, the area of said cap-like distributor being small as compared with the area of said plate, means located within said cap comprising a layer of blotting paper for uniformly applying continuous moisture to said rotatable plate, and a support member for said body to be ground located near the outside edge of said rotatable plate.

2,184,956
BLENDING AGENT FOR GASOLINE

Edwin R. Gilliland, Cambridge, Mass., and Raphael Rosen, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application February 6, 1937, Serial No. 124,468
9 Claims. (Cl. 44—9)

1. A motor fuel for internal combustion motors comprising gasoline hydrocarbons blended with a branched ether of a polyhydric alcohol selected from the class consisting of glycols and glycerols in substantial amount sufficient to improve the anti-knock properties of the motor fuel, said ether boiling substantially within the gasoline boiling range and having only a single oxygen atom linked directly to a carbon atom in an ether group.

2,184,957
METHOD OF POLYMERIZATION WITH BORON FLUORIDE

Anthony H. Gleason and Raphael Rosen, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 14, 1935, Serial No. 40,625
14 Claims. (Cl. 87—9)

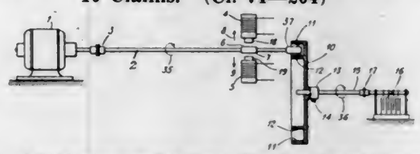
1. An improved process for polymerizing fatty oil comprising diluting a fatty oil of the class of the semi-drying oils with a halogenated gaseous hydrocarbon, adding boron fluoride to the oil, and polymerizing the mixture at a temperature of about 25° C. for a prolonged period and stopping the reaction before the polymer becomes insoluble, the catalyst being passed through the mixture while maintained at substantially room temperature.

8. An improved polymer of a semi-drying fatty oil having a viscosity above 1000 seconds at 210° F., soluble in mineral oil and having a substantially lower iodine number than the original oil from which it is prepared.

2,184,958
ELECTROMECHANICAL DRIVE

De Witt Rugg Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 20, 1935, Serial No. 11,915
10 Claims. (Cl. 74—204)

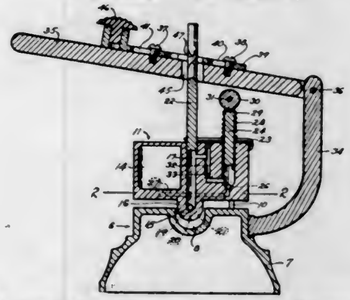


1. An electromechanical friction drive particularly adapted for remotely controlling a device to be driven by an electric motor comprising a rotatable shaft flexibly coupled directly to said electric motor for rotation therewith and located in the same plane of rotation as said electric motor and the device to be driven, a pivoted armature coupled to said rotatable shaft, said armature supporting said shaft, a bearing for said shaft, a disc member having an inner and an outer flange coupled to said device to be driven, a magnet located on each side of said armature and adjacent said disc member with means to actuate the armature so that said rotatable shaft will rotate against either surface of the inner and outer flange to drive the device to be driven, and equalizing springs on each side of said armature for retaining it in a neutral position when said magnets are not energized.

2,184,959
MOLD

Enno L. Long, Oklahoma City, Okla.

Application August 5, 1938, Serial No. 223,141
8 Claims. (Cl. 132—1)



1. A device of the class described comprising a matrix block, a co-operating punch block; means for moving one of said blocks into and out of contact with the other block; and means operated by said first mentioned means for delivering a liquid into the space between the two blocks while they are in contact.

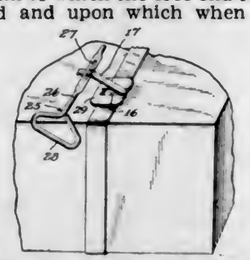
2,184,960
PACKAGE-BINDER CUTTER

Herbert C. Lau, Oak Park, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware

Application February 21, 1936, Serial No. 65,170
14 Claims. (Cl. 30—194)

1. A package-binding strap cutter comprising a plate for overlying the strap, said plate having a shear edge lying transversely across the top surface of the strap when the plate overlies the strap; a flexible tongue carried by the plate for underlying the strap, said tongue having one end

anchored to the plate and the other end free and having a shear edge lying transversely across the lower surface of the strap in registering relation to the shear edge of the plate; and a key having a stem to which the free end of the tongue is anchored and upon which when turned the

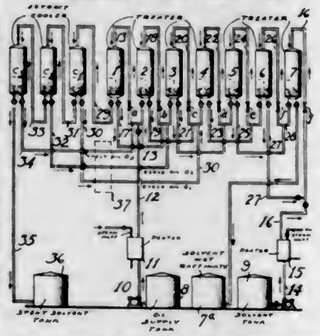


tongue is wound, said stem, when the same is turned and the tongue is wound thereon, moving across the strap toward the anchored end of the tongue progressively to pull the shear edge of the tongue toward and past the shear edge of the plate to sever the strap therebetween.

2,184,961
SOLVENT EXTRACTION OF LUBRICATING OILS

August Schlageter, N. D. de Gravenchon, Seine Inferieure, France, assignor to Standard Franco-Americaine de Raffinage, a corporation of France

Application September 1, 1936, Serial No. 98,863
4 Claims. (Cl. 196—13)



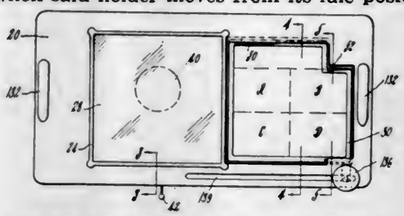
1. In the counter-current solvent treating of lubricating oils, the improvement which comprises cooling the extract phase in a series of cooling stages, removing the cycle oil phase from each cooling stage and returning the first obtained cycle oil to a point approximating the middle of the treating zone and the last obtained cycle oil to a point of the treating zone nearer the extraction end before the first cooling stage, intermediate cycle oils being returned to points intermediate between those into which the first and last cycle oils are introduced.

2,184,962
X-RAY APPARATUS

Frank Scholz, Cambridge, Mass.

Application February 8, 1938, Serial No. 189,377
7 Claims. (Cl. 250—66)

1. Apparatus of the class described, comprising a frame having front and rear walls, a fluorescent screen mounted in said front wall, a cassette holder between said walls movable back and forth from an idle position to a point beyond an active position behind said screen, an abutment element carried by said frame, and a stop element carried by said holder and movable relatively thereto into and out of an operative position in which it engages with said abutment to stop said holder when said holder moves from its idle position



to its active position, said element having a portion projecting into the interior of said holder engageable by a cassette being inserted into the holder to move said element into its operative position.

2,184,963
RECOVERING KETENES AND REACTION PRODUCTS THEREOF

Karl T. Steik, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 28, 1935, Serial No. 56,423
6 Claims. (Cl. 260—550)

1. In the manufacture of ketene and its homologs by pyrolysis of organic compounds, the step which comprises rapidly and intimately contacting hot gaseous products of pyrolysis including ketene issuing from the pyrolysis zone with a liquid cooling medium, under conditions adapted to cool said gaseous products rapidly to a temperature below the temperature at which the ketene present tends substantially to decompose or polymerize.

2,184,964
PROCESS OF PREPARING 2-METHYL-5-CHLOR-METHYL-6-AMINO PYRIMIDINE HYDROCHLORIDE

Gustav A. Stein, Elizabeth, N. J., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York

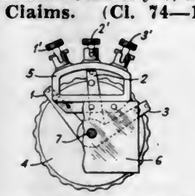
No Drawing. Application December 14, 1937, Serial No. 179,742
9 Claims. (Cl. 260—251)

1. The process which comprises reacting a solution of a 2-methyl-5-alkoxy-methyl-6-aminopyrimidine in a lower aliphatic alcohol with hydrogen chloride.

2,184,965
RADIO TUNING DEVICE

Raymond Villem and Hugo Goudet, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application December 30, 1936, Serial No. 118,196
In France January 7, 1936
6 Claims. (Cl. 74—10)



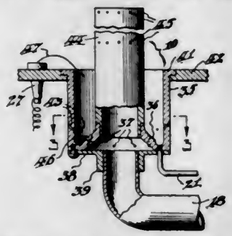
1. In a dialing system for a radioelectric apparatus comprising a fixed part, a tuning wheel and several catches on the periphery thereof and several stopping means fixed in the apparatus for engaging the catches in predetermined

positions of the wheel, said catches being disposed in several planes parallel to the wheel plane.

2,184,966
PLASTICIZED SYNTHETIC RUBBER COMPOSITION
Peter J. Wiezevich, Elizabeth, N. J.; now by judicial change of name to Peter J. Gaylor, assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 18, 1936, Serial No. 116,486
5 Claims. (Cl. 260—4)

1. A composition comprising haloformed rubber produced by reacting rubber with a halogen compound, followed by hydrolysis to split off and remove the halide reagent, and a linear type substantially saturated aliphatic hydrocarbon polymer having an iodine number according to the Hanus method of not over about 10 in a substantially purified form and an average molecular weight of above 800 as determined by the viscosity method.

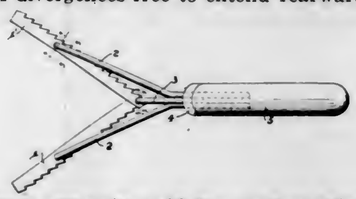
2,184,967
OIL BURNING APPARATUS
Louis Winter, Reifton, Pa.
Application April 11, 1938, Serial No. 201,306
11 Claims. (Cl. 158—92)



1. An oil burner of the character described comprising a pot having an annular oil trough at its bottom and an annular series of air feeding apertures in the wall thereof above said trough; means to supply oil to said trough; and an air duct centrally positioned in said pot and arranged to direct primary currents of air under pressure through an annular series of vertical apertures whose upper ends terminate below the liquid level of the oil trough, and to direct secondary currents of air under pressure through an annular series of apertures in the duct at a point above said first series and in a direction so that the secondary currents of air intersect the combustible mixture created by the oil and primary currents of air.

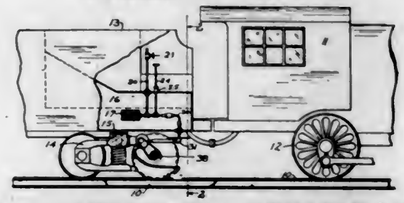
2,184,968
WEEDER
Herbert Woodruff, Cherry Lane, N. C.
Application February 25, 1937, Serial No. 127,597
1 Claim. (Cl. 97—63)

A weed pulling implement of the character described comprising an angled steel element having a vertex and divergences, said element being edged with evenly spaced ripsaw teeth that form the grasping means for holding a weed or plant and virtually ripping it from the ground; said steel element having substantial support consisting of three prongs so designed that the shortest prong, being attached at vertex of angled element, and the other two prongs, of equal length with respect to each other, being firmly and rigidly secured to the respective divergences of the angled element intermediate the vertex and the ends of respective divergences thus leaving ends of divergences free to extend rearwardly of



the prong supports; said two prongs extending above and in same general direction as the respective divergences to which they are fastened, and converging to join the short prong above and slightly beyond vertex of element where the three prongs are fitted to a handle.

2,184,969
RAIL WETTING DEVICE FOR RAILROADS
George A. Allen, Denver, Colo.
Application January 21, 1939, Serial No. 252,144
5 Claims. (Cl. 299—31)



1. In combination with a railway train having a tractor and cars trailed thereby, means for wetting the rail surfaces to the rear of the tractor, said means comprising a reservoir carried by one of the units of the train, a centrifugal pump driven from the axle of a train unit, a conduit extending from the reservoir to the suction port of the pump, a spring pressed relief valve in the conduit adjusted to resist the hydrostatic head of the water and conduits extending from the delivery port of the pump to points above the rails whereby when the train travels, water will be flowed onto the rails at a rate proportional to the speed of the train.

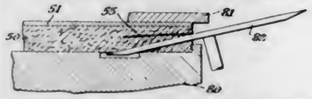
2,184,970
FLEXIBLE SMOOTH SURFACE RUG AND METHOD OF MAKING SAME
Frank M. Allen, Summit, N. J., assignor to Congoleum-Nairn Inc., a corporation of New York
Application May 31, 1939, Serial No. 276,626
19 Claims. (Cl. 154—2)



1. A flexible smooth-surface rug which comprises a unitary sheet of fibrous material impregnated with a waterproofing material and an elongated tear-resistant element completely embedded in and approximately coextensive with an elongated recess penetrating a substantial distance laterally into said sheet adjacent an edge thereof, said recess being approximately coextensive with the lineal dimension of said edge and said tear-resistant element being thin relative to the thickness of said sheet and flexible and being positioned intermediate the thickness

of said sheet and surrounded thereby without substantially increasing the thickness of said rug adjacent said element.

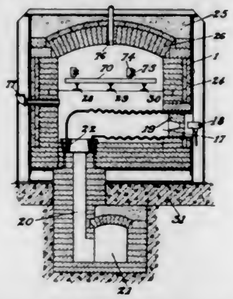
2,184,971
FLEXIBLE SMOOTH SURFACE RUG AND METHOD OF MAKING SAME
Frank M. Allen, Summit, N. J., assignor to Congoleum-Nairn Inc., a corporation of New York
Application September 2, 1936, Serial No. 99,169
Renewed November 17, 1939
10 Claims. (Cl. 154—2)



1. A flexible smooth-surface rug which comprises a sheet-like base comprising fibrous material impregnated with a waterproofing material, a decorative and wear-resistant surface layer which contains a filler and a binder selected from drying oils, cellulose esters, and synthetic resins and which is integral with a surface of said base, said base including a marginal tapered portion along an edge thereof which becomes of substantially decreased thickness and weight progressing toward said edge.

5. A method of making a flexible smooth-surface rug which comprises making a rug structure including a sheet-like base of fibrous material impregnated with a waterproofing material and a decorative and wear-resistant surface layer integral with a surface of said base sheet and cutting away a marginal portion of said base which is along an edge of said rug structure from intermediate the thickness of said edge diagonally to the side of said base remote from said surface layer leaving the marginal portion of said base tapered so as to be thinnest at said edge.

2,184,972
PROCESS FOR TREATING METAL
William A. Darrah, Chicago, Ill.
Application July 15, 1938, Serial No. 219,332
5 Claims. (Cl. 148—17)



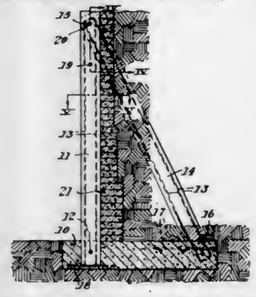
1. A process of carburizing metals in a heated chamber by treating with a hot gaseous atmosphere containing two different types of constituents, one constituent consisting of relatively inert gases and the second being active as a carburizing agent, said process including the step of introducing a hydrocarbon into said chamber and heating same by passing it into proximity to a source of heat so as to condition said hydrocarbon before it comes into contact with the metal to be carburized and then transferring the conditioned hydrocarbon into contact with said metal by thermal circulation.

2,184,973
STYLUS FOR FACSIMILE RECORDERS
William G. H. Finch, New York, N. Y.
Application January 7, 1938, Serial No. 183,759
3 Claims. (Cl. 178—11)



1. The combination with an oscillatory scanner arm of a recording stylus pivotally mounted and arranged in a predetermined normal scanning position on said arm, and a pair of mechanically biased members grasping opposite sides of said stylus, said members crossing each other and being pivoted upon said scanner arm, said stylus being maintained in said normal position on said arm solely by said biased members.

2,184,974
RETAINING WALL
Albert Henderson, Pittsburgh, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application April 22, 1939, Serial No. 269,471
3 Claims. (Cl. 61—39)

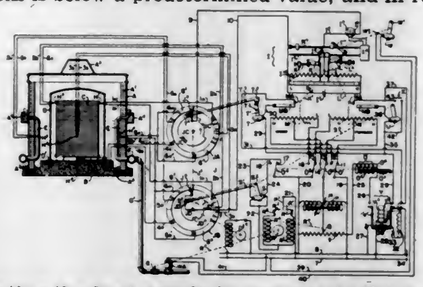


1. A retaining wall comprising a monolithic, field-cast foundation slab, precast posts embedded in said slab in spaced relation adjacent one side thereof, precast braces embedded in the slab adjacent the other side thereof, substantially in alinement with said posts, said braces extending toward the posts and being secured thereto, and precast stretcher units laid up on said foundation behind said posts and extending between adjacent posts, whereby the entire weight of fill above said slab and behind the wall resists the overturning moment applied to said wall.

2,184,975
HEAT TREATING CONTROL
John E. MacConville, Glenside, Neel I. Cockley, Philadelphia, and James L. Whitten, Pittsburgh, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 10, 1938, Serial No. 189,798
19 Claims. (Cl. 263—52)

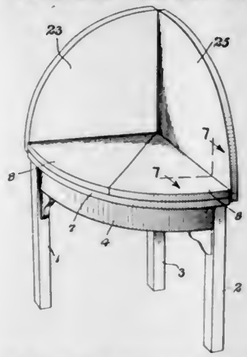
1. In controlling the supply of heat to a heater by and in accordance with measurements of the temperature of the heater and of different portions of work heated therein, the method which

consists in regulating the heat supply to the heater in response to the heater temperature while the temperatures of each of said work portions is below a predetermined value, and in reg-



ulating the heat supply in response to the temperature of a predetermined one of said work portions after the temperature of any one of said portions has attained said predetermined value.

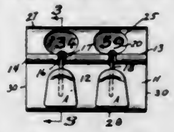
2,184,976
TABLE
Thurlow E. McFall, Sparta, Mich., assignor to Michigan Artcraft Company, Sparta, Mich., a corporation of Michigan
Application February 20, 1939, Serial No. 257,343
10 Claims. (Cl. 311—67)



9. In a table, a top section having side edges converging toward and meeting at a point, supporting legs permanently connected thereto, two other top sections, each one-half the area of the first top section adapted to lie thereover or to lie in the same horizontal plane therewith against its side edges, two horizontal bars adapted to be located in alinement underneath the outer edge portions of said additional top sections when located in the same plane with and against the first top section, means for hingedly connecting the horizontal bars together at their inner adjacent ends, means for mounting said horizontal bars on the support of the first top section whereby they may be swung inwardly into positions paralleling the side edges of said first top section, and an additional top section hingedly connected to the rear portion of each of said horizontal bars.

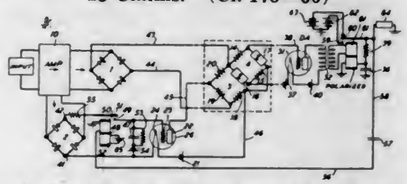
2,184,977
ARTIFICIAL TOOTH HOLDER
Archibald Martin, Union City, N. J., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application May 13, 1938, Serial No. 207,693
5 Claims. (Cl. 206—83)

1. An artificial tooth holder comprising a single piece sheet metal base bent to form an upstanding longitudinal flange, a bight in said flange extending from end to end thereof, a pintle in said bight, spaced cut-out portions in



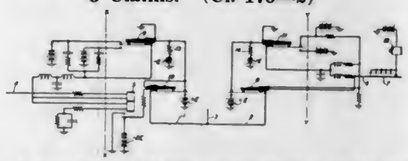
said bight, a tooth supporting member pivotally mounted on said pintle at said cut-out portion, and means on said member for holding a tooth thereon.

2,184,978
CARRIER CURRENT TELEGRAPHY
Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1938, Serial No. 208,760
15 Claims. (Cl. 178—66)



1. A carrier current receiving system comprising means for transforming carrier current impulses into direct current impulses of fixed polarity, means for superposing upon said direct current impulses a potential of opposite polarity whereby said impulses are characterized by reversals of direct current polarity, means for proportioning the magnitude of said oppositely poled potential in accord with the magnitude of said carrier current impulses whereby said reversals are made substantially symmetrical with respect to zero direct current potential, and means for producing steep wave fronts in said reversals.

2,184,979
SIGNALING SYSTEM
Wilton T. Rea, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 3, 1938, Serial No. 193,644
5 Claims. (Cl. 178—2)



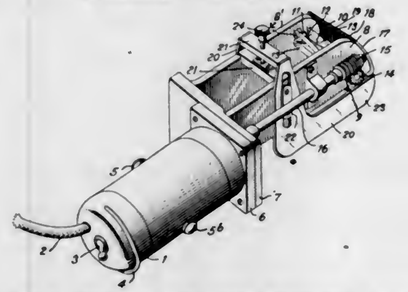
1. A signaling system comprising a plurality of stations each equipped with means for sending and receiving signals, a hub circuit, lines from each of said stations to said hub circuit, a hub circuit termination for each of said lines comprising a sending relay responsive only to potential changes in said hub circuit, a receiving relay for changing the potential of said hub circuit and a potentiometer connection, said relays requiring for their operation only that amount of energy measured by the charging current of a small condenser, each of said receiving relays having means to render the potentiometer circuit of all other hub circuit terminations effective whereby the potential of said hub circuit is changed and each sending relay of said all other circuit terminations is operated.

2,184,980
FUME EXHAUSTING SOLDERING IRON
Frederick James C. Smith, Milford, Conn., assignor to Dorothy McCracken Smith, Okeene, Okla.
Application February 16, 1939, Serial No. 256,636
10 Claims. (Cl. 219—26)



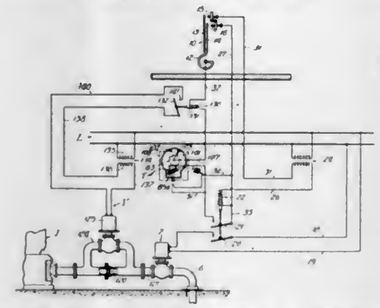
1. A fuse exhausting soldering iron comprising a solder iron head having a forwardly projecting tip, a heating element cooperatively associated with said head, current conducting means connected to said heating element extending rearwardly therefrom, fume exhausting means comprising a skirt surrounding said head, there being air passages extending longitudinally of said skirt between said head and said skirt, and suction tube connection means carried by said fume exhausting means.

2,184,981
HAIR CUTTING MACHINE
Joseph Suozzi, New York, N. Y.
Application April 22, 1939, Serial No. 269,541
4 Claims. (Cl. 30—206)



1. In a device of the class described, a motor within a casing, wires leading from one end of said casing and adapted to be connected to a source of power, a frame attached to the other end of said motor casing, said frame being open at its forward end, a rotary shaft mounted in the side arms of said frame at its open end, said shaft being journaled in bearings carrying upstanding lugs to which are removably secured a plurality of mower blades, a substantially U-shaped comb member removably secured to the open end of said frame, and carrying within the U-shaped recess therein a cutter blade adapted to contact with the mower blades, and rocker members positioned below said comb member and adjustable toward or away from said comb member to regulate the length and style of hair-cut.

2,184,982
CONTROL SYSTEM FOR HEATING
Earl L. Tornquist, Elmhurst, Ill.
Application July 5, 1934, Serial No. 733,799
17 Claims. (Cl. 236—9)



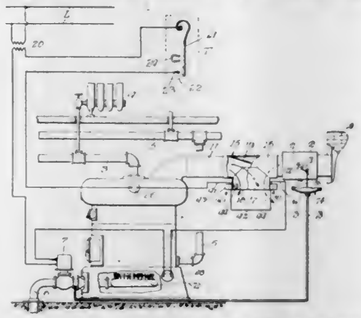
2. In a heating system having a controllable source of heat, a medium heated by said source and adapted to be directed to the room to heat the same, and a thermostat in the room to be heated and operative to start the heat source at one room temperature and to stop the same at a different room temperature, and means responsive to a change in the temperature of the heating medium for controlling said source of heat at any point within the temperature range of the latter during periods of room temperature within the differential of said thermostat.

17. A heating system comprising, in combination with a heating plant having a source of fuel supply, an electric valve controlling the supply of fuel from said source to said heating plant, auxiliary means for supplying a minimum amount of fuel independently of said controlling means, a control device controlling the entire supply of fuel delivered to the heating plant through both said controlling means and said auxiliary means, temperature-controlled means for turning on the control device when room temperature drops below a predetermined temperature and for turning off the control device if the room temperature rises above a higher predetermined temperature, said temperature controlled means including a holding circuit energized when room temperature lies between said predetermined temperatures, and an electro-magnetic relay in said holding circuit controlling the energizing circuit for said electric valve for opening and closing the same as room temperature drops below and rises above said first predetermined temperature.

2,184,983
GAS BURNER CONTROL SYSTEM
Earl L. Tornquist, Elmhurst, Ill.
Application October 9, 1935, Serial No. 44,149
13 Claims. (Cl. 158—1)

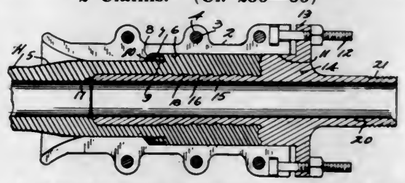
1. A system for controlling the operation of a heating appliance comprising, in combination, a burner, a stack for conducting the products of combustion from said burner to a chimney, a vent

in said stack through which the products of combustion from said burner and the gas from said chimney may pass along different paths on occurrence of abnormal conditions, a valve for controlling the flow of fuel to said burner, an electric controller for said valve, circuit means for connecting said controller to a current source,



and a pair of serially connected temperature responsive contact devices individually disposed in said paths through said vent and interposed in said circuit means for controlling the energization of said controller to effect closure of said valve on flow either of the products of combustion or gas from the chimney through said vent.

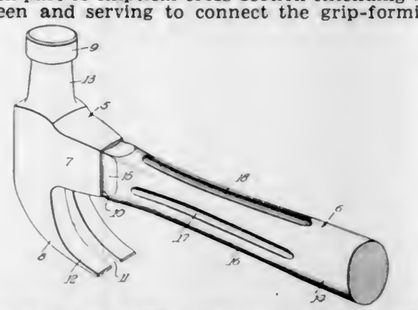
2,184,984
HIGH PRESSURE HOSE
Clifford E. Van Stone and Arthur E. Johnson, Taft, Calif.
Application August 12, 1938, Serial No. 224,478
2 Claims. (Cl. 285—85)



1. A hose assembly including an elongate, longitudinally split shell and means to clamp the parts together on a hose end, the rear end of the shell having a reduced bore portion to fit the inserted part of the hose and the remaining forward portion of the shell having an elongate cylindrical bore for a complementary head part of the hose, a gland including a plug-like body telescoping in the larger, open end of the bore of the shell and having a bushing projecting rearwardly from the said plug body to lie in the smaller end of the bore and said bushing fitting the hose bore, and a connection between the gland and the shell whereby to ram the plug body along the shell bore and radially compress the end of the hose at the inner end of said body to the shell wall; the hose end being within the shell.

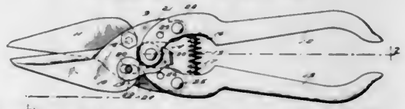
2,184,985
HAMMER
Sanford S. Vaughan, Oak Park, Ill., assignor to Vaughan & Bushnell Mfg. Co., Chicago, Ill., a corporation of Illinois
Application December 30, 1936, Serial No. 118,339
3 Claims. (Cl. 145—61)

1. As a new article of manufacture, a hammering tool comprising a head having an eye, and a one-piece wooden handle consisting of a comparatively thick grip-forming part at one end, a tapered part at the other end fitting and secured within the eye of the head and a reduced neck part of elliptical cross-section extending between and serving to connect the grip-forming



part and the tapered part and having laterally spaced longitudinal comparatively shallow flutes of substantially segmental cross-section formed therein whereby it is rendered appreciably springy or resilient.

2,184,986
HAND TOOL
Thomas S. Vosbikian and Peter S. Vosbikian, Philadelphia, Pa.
Application April 23, 1938, Serial No. 203,764
5 Claims. (Cl. 30—252)

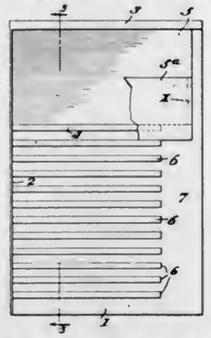


1. A hand tool, comprising jaws pivotally connected together at one side of the center line of the hand tool and having a pin and slot connection at the opposite side of the center line, each jaw having an arm extending rearwardly to the opposite side of the center line, handle members pivotally connected together at their forward ends, with each handle member pivotally connected with an adjacent arm in spaced relation with the pivotal connection of the handle members and one of said handle members and one of the jaws having cooperative cam faces to increase the leverage imparted to such jaw.

2,184,987
ASSEMBLY FIXTURE FOR MULTIPLE-SLIP FORMS
James H. Carpenter and William A. Gabrielson, Syracuse, N. Y., assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application July 20, 1938, Serial No. 220,171
5 Claims. (Cl. 281—1)

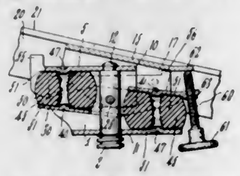
1. An assembly fixture for multiple-slip forms comprising a plate, an aligning flange along one longitudinal marginal edge, an aligning bar along the upper edge of said plate, a header sheet gage bar of substantial thickness on the upper surface of said plate and extending transversely of the plate from the said aligning flange and below the aligning bar at the upper edge of the plate to form a pocket to receive a number of header sheets, the upper edge of said bar forming a gage for the lower edges of the header sheets, a series of parallel gaging and aligning bars of less thickness than the header sheet gage bar and extending transversely of the plate from the said aligning flange equal distances apart, the upper edges

of said bars forming gaging and aligning shoulders, said gaging and aligning bars terminating short of the marginal edge of the plate opposite



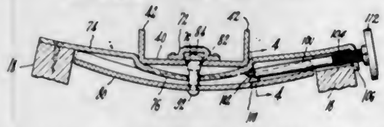
the aligning flange to provide a smooth, unobstructed portion of the upper surface along the marginal edge of the plate opposite the aligning flange.

2,184,988
CHAIR IRON
David R. Collier and Henry W. Sheldrick, Gardner, Mass., assignors to Collier-Keyworth Company, Gardner, Mass., a corporation of Massachusetts
Application November 27, 1935, Serial No. 51,849
11 Claims. (Cl. 155—77)



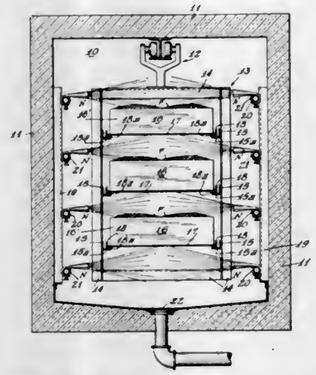
1. A chair iron having a supporting member, a chair seat-carrying member, a pivotal connection between said members, a lever fulcrumed on said supporting member, a pair of compression spring elements having opposite ends bearing on said lever and said supporting member, said springs bearing on said lever at opposite sides of its fulcrum and means for adjusting the angular relation between said lever and seat-carrying member to cause tilting of said seat-carrying member to rock said lever.

2,184,989
CHAIR IRON
David R. Collier and Henry W. Sheldrick, Gardner, Mass., assignors to Collier-Keyworth Company, Gardner, Mass., a corporation of Massachusetts
Application May 8, 1937, Serial No. 141,474
4 Claims. (Cl. 155—157)



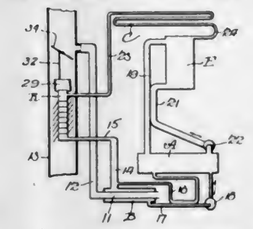
2. A chair iron comprising a seat support, a back bracket carried by said support, a back plate vertically adjustable on said bracket, and means for clamping said plate in adjusted position, said means comprising a member positioned adjacent to said plate, an element attached to said member and extending through said plate and bracket, said element having a head engaging the forward face of said bracket, and wedging means between said member and plate for pressing said plate against said bracket.

2,184,990
METHOD AND APPARATUS FOR QUICK FREEZING OF FOOD PRODUCTS
Chester J. Conn, Smithtown Branch, N. Y.
Application March 18, 1937, Serial No. 131,554
3 Claims. (Cl. 62—104)



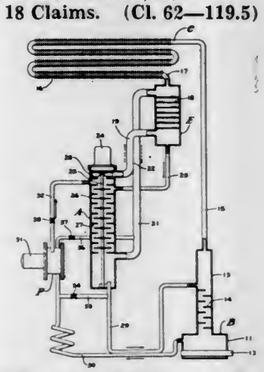
1. A method of handling food products, comprising packing the foods in open top and bottom frames, disposing said frames in vertical spaced relationship with respect to one another and discharging spray refrigerant laterally across and in the zone between the frames only, whereby said spray refrigerant contacts substantially only the surfaces of the food products exposed at the open tops and bottoms of the respective frames.

2,184,991
RECTIFIER FOR ABSORPTION REFRIGERATORS
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 10, 1935, Serial No. 44,369
11 Claims. (Cl. 62—5)



1. An air-cooled rectifier assembly adapted for use in an absorption refrigerating system, said assembly comprising a vessel having heat discharge means thereon exposed to the air and means responsive to the temperature of a portion of said vessel operable to permit an increase in the air flow over said heat discharging means when the temperature of said portion is raised and a decrease in the air flow over said heat discharging means when the temperature of said portion is lowered.

2,184,992
ABSORPTION REFRIGERATION SYSTEM
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Original application December 20, 1935, Serial No. 55,449. Divided and this application August 26, 1936, Serial No. 97,943
18 Claims. (Cl. 62—119.5)



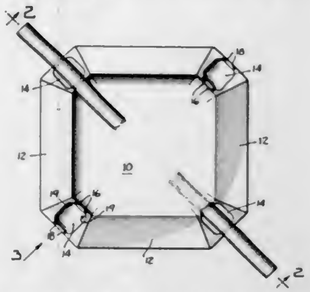
2. A tightly sealed continuous absorption refrigeration system containing fluids in both the liquid and gaseous phase, a pump operable to raise the liquid from one level to a higher level in the system comprising a casing, a second casing within said first casing and communicating therewith, a rotary impeller within the second casing, the liquid level being normally above said communication opening but below the top of the second casing, and means for preventing pressure fluctuations in the system from disturbing the liquid level in said pump.

2,184,993
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
No Drawing. Application March 6, 1937, Serial No. 129,351
7 Claims. (Cl. 252—5)

1. A group of cooperating substances for refrigeration consisting of ammonia and methylamine, a solvent therefor comprising monoethanolamine, and a gaseous substance inert with respect to ammonia and methylamine and which has a common chemical constituent therewith and with the solvent.

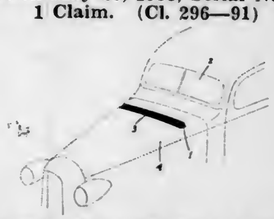
2,184,994
ASHTRAY
Herbert Gordon Dyke, Larchmont, N. Y.
Application August 19, 1936, Serial No. 96,721
Renewed April 26, 1938
5 Claims. (Cl. 131—240)

1. An ashtray having a peripheral wall and a central ash receiving portion, the inner surface of said peripheral wall extending to a materially higher level than the outer surface, and at least one marginal cigarette rest transverse of the peripheral wall, said rest consisting of a recessed formation having oppositely facing walls concave in horizontal section and extending from the inside to the outside wall surfaces of the tray, the inner and outer ends being in general alignment, the tops of the inner ends of the recess walls being higher than the tops of the outer ends of the recess walls whereby a cigarette first placed therein will tend to incline upwardly from the outside toward the center of the tray and when pressed therein will assume a substantially horizontal position.



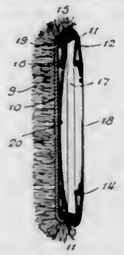
2. An ashtray having an ash receiving cavity and an upstanding wall member adjacent thereto, said wall member having a cigarette holding groove provided therein, said groove extending through said wall member from the face adjacent the ash receiving cavity to the outer face of the wall member and terminating in U-shape openings at said faces, said groove openings at both the inner and outer faces of the wall member being of a width slightly less than the diameter of a cigarette, whereby the cigarette can be pressed down therein in generally horizontal position with a slight pressure and whereby said cigarette will be gripped by the sides of the groove at spaced points, one at the inner end of the groove adjacent the ash receiving cavity and one at the outer end of the groove and will be snuffed out when it burns down substantially to the inner side of the wall member, and said groove intermediate its ends being enlarged at each side and at the bottom whereby the wall member is recessed back out of contact with the wrapper of the cigarette positioned therein to minimize condensation on the cigarette wrapper.

2,184,995
BUG DEFLECTOR
Oliver H. Eriksen, Chico, Calif.
Application May 25, 1938, Serial No. 209,957
1 Claim. (Cl. 296—91)



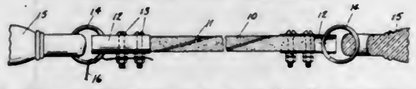
As an article of manufacture, a bug deflector for motor vehicles, said deflector comprising, in integral relation, an elongated body of flexible and resilient material, the body being adapted to extend transversely across and to be flexed to conform to the curvature of the hood of a motor vehicle at a point ahead of the windshield thereof, a leading face on the body having sufficient loft to deflect the air flow upward from ahead of the windshield, the body having a hood engaging base relatively wide transversely, and a plurality of longitudinally spaced suction cups formed in the body and opening downward through the base, said suction cups being adapted to secure the body on the hood of a motor vehicle and in conforming relation to the hood curvature.

2,184,996
EAR MUFF
Joseph Jacobs, Bridgeport, Conn., assignor to The A. J. Donahue Corporation, Milford, Conn., a corporation of Connecticut
Application May 10, 1937, Serial No. 141,643
1 Claim. (Cl. 2—209)



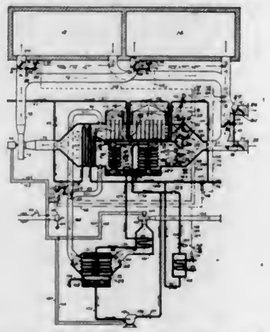
In an ear muff, a flexible body, a supporting frame encased therein and unattached thereto, a lining for the inner surface of said body carried by said frame, a flexible backing for said body combining therewith to form a pocket and comprising a strip of material folded longitudinally upon itself with the free edges of the strip secured to the periphery of said body, and a draw string disposed between the folds of said strip and engaging in the fold of the material thereof to maintain the backing in cooperative relation to said body.

2,184,997
RADIO ANTENNA
Henry (Heinie) L. Johnson, Bloomington, Ill.
Application February 18, 1937, Serial No. 126,391
5 Claims. (Cl. 250—33)



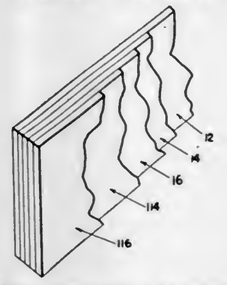
1. In a radio antenna, a radio frequency collector wire of aluminum alloy, a spiral groove in said collector wire, and an insulated copper conductor wire extending from one end of said groove to a point short of the full length thereof, said collector and conductor having approximately 1.6 micro-micro farad capacity per inch.

2,184,998
METHOD OF CONDITIONING AIR
Hiram Joseph Kaufman, Detroit, Mich.
Application June 24, 1936, Serial No. 87,027
2 Claims. (Cl. 183—4)



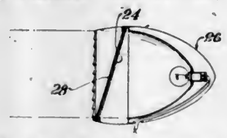
1. A method of air conditioning, which comprises drawing air from one or more enclosures, selectively directing the air in varying proportions along two separate courses defining separate drying zones disposed in parallel dependent upon the degree of dehumidification desired, subjecting the air in one course to direct contact with solid hygroscopic material to liquify the same, draining said liquified hydroscopic solution into said other course to bring the same into contact with air passed along said second course, and directing the conditioned air from said courses into a common course to commingle the same for discharge into said enclosures.

2,184,999
LIGHT FILTER
Edwin H. Land, Wellesley Farms, and Martin Grabau, Cambridge, Mass., assignors, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application February 24, 1938, Serial No. 192,220
7 Claims. (Cl. 88—65)



1. A light filter comprising at least three sheet-like light polarizing elements and at least two birefringent retardation plates so positioned that polarizing elements and retardation plates alternate in said filter, the intermediate polarizing element having its polarizing axis substantially perpendicular to the polarizing axes of the first and third polarizing elements, the principal directions of vibration of each said birefringent plate substantially bisecting the angle formed by the polarizing axes of the polarizing elements thereadjacent, said retardation plates showing different retardations for light of a predetermined wave length, all of said polarizing elements and birefringent plates being positioned to intercept the same incident beam of light and being assembled to form a unitary structure.

2,185,000
ILLUMINATION SYSTEM FOR AUTOMOTIVE VEHICLES EMPLOYING POLARIZED LIGHT
Edwin H. Land, Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application July 16, 1938, Serial No. 219,542
4 Claims. (Cl. 88—65)



1. Means for avoiding glare from automobile headlights and the like comprising a suspension of oriented rod-shaped birefringent crystals in a light-transmitting medium, the index of refraction of the crystals matching the index of refrac-

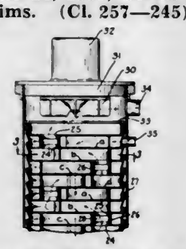
tion of the medium substantially for light vibrating in a predetermined direction, the index of refraction of the crystals differing substantially from the index of refraction of the medium for light vibrating at right angles to said direction, means for positioning said suspension in the path of rays emanating from a headlight and in a plane inclined from the vertical so that the lower portion of said suspension is advanced in the direction of propagation of the headlight beam beyond the upper portion of the suspension, the crystals within the suspension being oriented with their long axes parallel and in the plane of inclination of said suspension, the horizontal traces of said crystals being substantially parallel to the direction of propagation of the beam emitted from said headlight.

2,185,001

HEAT EXCHANGER

Rudolph S. Nelson, Larchmont, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application June 14, 1935, Serial No. 26,594
7 Claims. (Cl. 257—245)



3. A heat exchanger comprising a plurality of nested cup elements, conduit elements projecting from each side of each of said cups, means connecting the conduit element projecting inwardly of each cup with a conduit element projecting outwardly of another cup, the conduit elements of each cup being spaced 90° from the corresponding conduit elements on adjacent cups, and a baffle plate positioned within each of said nested cups.

2,185,002

DUAL REVERSIBLE RIGHT AND LEFT HAND WRENCH

Earle A. Pack, Caldwell, Idaho

Application September 22, 1937, Serial No. 165,095
1 Claim. (Cl. 81—63)



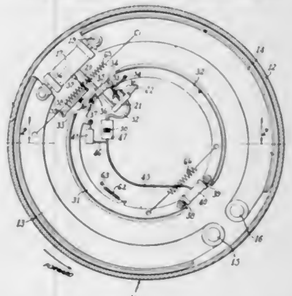
In a device of the class described, the combination of a frame, said frame being formed of a plurality of plates of like thickness, a pair of heads having ratchet teeth disposed on their outer rim mounted in opposite sides of the frame and journaled within bearings formed in certain of said plates, with the plates in which the heads are journaled being longer than the other of the said plates, a feeding pawl having two points for engagement with the teeth disposed on the rim of the head and each being positioned to rotate the head in but one direction when placed in registry with each of the heads and one of said pawls being normally out of contact engagement with one of the heads and said pawls being hingedly supported about a common hinge pin, with the said hinge pin being supported in the plates in which the heads are journaled and manually settable means for placing one of the points of the feeding pawl in registry engagement with one of the heads and for placing the feeding pawl and for maintaining the feeding pawl in a neutral position and for predetermining the direction of rotation of the head when the points of the pawl engage the teeth of the head as the handle end of the frame has reciprocating movement imparted thereto.

2,185,003

VEHICLE BRAKING MEANS

Russell B. Stoddard, Woodbridge, Conn.

Application November 14, 1938, Serial No. 240,215
20 Claims. (Cl. 188—181)



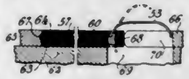
1. In a brake mechanism for a rotating member, brake means adapted to be frictionally engaged with said member to retard rotation thereof, means frictionally engaged with said member upon application of the brake means to prevent the locking of said member against rotation by the brake means, and means normally resisting movement of said frictionally engaged means by said member.

2,185,004

METHOD OF BINDING SHEET MATERIAL

Emory A. Trussell, Milwaukee, Wis., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York

Original application August 25, 1934, Serial No. 741,360. Divided and this application March 30, 1938, Serial No. 198,841
14 Claims. (Cl. 281—25)



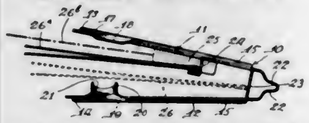
1. The method of binding sheets of material into book form, which consists in perforating the sheets at spaced intervals along the edges to be bound; bending a piece of wire into a form comprising a plurality of reversely disposed loops united by intervening, parallel connecting portions, the said loops having their two sets of oppositely directed end portions disposed respectively along a pair of parallel, straight lines, and having material parts of their intervening, connecting portions bent about axes parallel to the lines lying along the loop-ends to a curvature approximating that of a closed circular, ring-like, sheet-attaching element of a binder to be formed, leaving other material parts of the intervening portions of forms necessitating further bending to close and thus complete such elements; thrusting alternate loops of the partly formed binder through the perforations in the sheets; and completing the binder by a further bending of portions requiring such treatment to give all parts of the binder construction between the ends of the alternate loops the degree of curvature needed to close and complete the approximately circular ring-like attaching elements.

2,185,005

PERFORATOR

Chester I. Wagner, Brooklyn, N. Y., assignor to Safety Fastener Co., Bloomfield, N. J., a corporation of New Jersey

Application October 20, 1938, Serial No. 235,999
11 Claims. (Cl. 164—120)



1. A perforator comprising a single piece of spring metal bent to form opposed spaced arms, each of said arms having a free end portion with an offset portion extending in a direction toward each other providing fulcrums at the junctures of the free end and offset portions for the flexing of said arms, a male die member on one of said arms for registration and co-operation with an aperture in the other of said arms to perforate a sheet interposed therebetween, and means on said piece for gauging the location of said perforation.

2,185,006

HIGH-SPEED TOOL STEEL

Elmer B. Welch, McKeesport, and Lewis Gerald Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company, a corporation of Pennsylvania

No Drawing. Application January 21, 1939, Serial No. 252,214
4 Claims. (Cl. 75—126)

1. A high-speed tool steel of the molybdenum type of the following composition: carbon, 0.07–0.90%; vanadium, 0.68–2.12%; molybdenum, 7.06–8.59%; boron, 0.09–0.81%; and iron, 89.29–91.21%, the boron and carbon together not exceeding 1.13%, and free of chromium in excess of 1.50% of the iron content.

2,185,007

PROCESS FOR PRODUCTION OF DIALKYL-BENZENOID SULPHIDES

Bruno H. Wojcik, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, New York, N. Y., a corporation of New York

No Drawing. Application November 23, 1936, Serial No. 112,441
8 Claims. (Cl. 260—608)

1. The process for production of di-benzenoid alkyl compounds in which two alkyl benzenoid groups are joined through their alkyl groups by at least one sulphur atom which comprises adding a benzenoid alkyl halide to an aqueous solution of a compound of an alkali metal with sulphur having at least one sulphur atom per molecule, with agitation, in the absence of any mutual solvent for the reagents, the rate of such addition being regulated to maintain a reacting temperature but not to cause boiling, allowing the resulting mixture to cool and the product to solidify and mechanically separating the product from the aqueous medium containing the by-product, in the absence of any solvent for the product.

2,185,008

DI-ALKYLBENZENOID SULPHIDES AND PROCESS FOR THEIR PRODUCTION

Bruno H. Wojcik, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, New York, N. Y., a corporation of New York

No Drawing. Application December 30, 1937, Serial No. 182,609
8 Claims. (Cl. 260—608)

1. The process for production of di-benzenoid polyalkyl compounds in which two polyalkyl benzenoid groups are joined through at least one pair of alkyl groups by at least one sulphur atom which comprises adding a benzenoid polyalkyl halide having a halogen atom in at least one alkyl group to an aqueous solution of a compound of an alkali metal with sulphur having at least one sulphur atom per molecule, with agitation, in the absence of any mutual solvent for the reagents, the rate of such addition being regulated to maintain a reacting temperature but not to cause boiling, allowing the resulting mixture to cool and the product to form a lower layer and mechanically separating the product from the supernatent aqueous medium containing the by-product, in the absence of any solvent extraction medium for the product.

2,185,009

DI-ALKYLHALOBENZENOID SULPHIDES AND THE PROCESS FOR PRODUCING THE SAME

Jesse H. Babcock and Anthony Loverde, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York, N. Y., a corporation of New York

No Drawing. Application December 5, 1936, Serial No. 114,436
20 Claims. (Cl. 260—608)

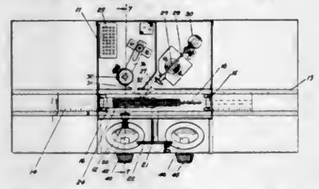
14. As a new composition of matter, di-halobenzenoid alkyl polysulphide.

2,185,010

OPTICAL COMPARATOR

Louis H. Young, Auburndale, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

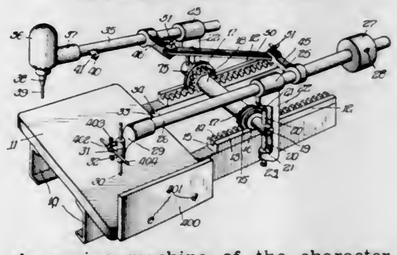
Application September 13, 1937, Serial No. 163,517
13 Claims. (Cl. 88—14)



1. A comparator for bevel edged blades, comprising a holder having means for maintaining a stack of blades aligned in face-to-face contact

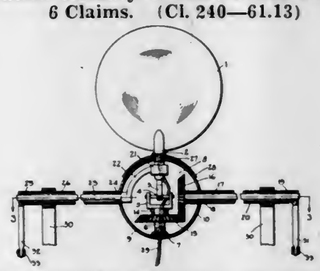
with their bevelled edges presenting a composite face and a light source arranged for relative movement whereby the bevelled portions of the stacked blades may be traversed by a light beam from said source, a light sensitive cell located to receive light rays by double reflection from the bevelled portions of adjacent blades in the stack, and means for indicating the intensity of such reflection.

2,185,011
WOOD CARVING MACHINE
George A. Anderson, Elmwood Park, Ill.
Application June 30, 1938, Serial No. 216,748
16 Claims. (Cl. 90—13.1)



1. A carving machine of the character described, comprising a support, a pair of spaced tracks on said support, a pair of rollers mounted on said tracks connected for rotation together, a pantograph mechanism having a tracing means and a carving tool carried by said rollers, gear racks disposed in association with said tracks, and gears fixed to rotate with said rollers in mesh with said racks, respectively.

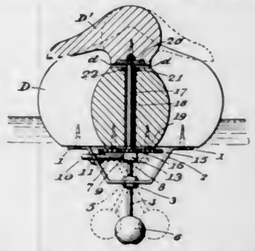
2,185,012
SPOTLIGHT
Jacob Dale Blazier, Wichita, Kans.
Application January 4, 1937, Serial No. 118,968
6 Claims. (Cl. 240—61.13)



1. In a spotlight of the class described, a housing, a shaft or standard carrying the spotlight and movably positioned in said housing, a pair of shafts extending into said housing, an extension intermediate the first mentioned shaft or standard and one of the second mentioned shafts whereby a rectilinear movement may be imparted to said first mentioned shaft, gear means intermediate said first mentioned shaft and the other of the second mentioned shafts whereby a rotating movement may be imparted to the first mentioned shaft.

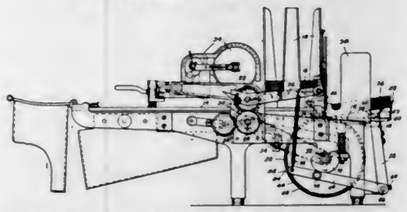
2,185,013
DECOY DEVICE
Domenic Bonetti, Portland, Maine
Application August 11, 1939, Serial No. 289,610
4 Claims. (Cl. 43—3)

1. In a head turning device for a buoyant decoy for ducks or like flight fowl having a body member and a transversely severed neck, an attachment for the bottom of the body member including a bracket having a hollow spheric seat, a rigid arm, a spheric stop on said arm, a weight below said stop and supported by said stop below the center of gravity of the decoy, a neck stem, means for rotatably supporting said neck stem in



the forward part of a decoy including bearing plates for the neck, a lever, means for rotatably transmitting the movements of said lever to said stem, and a link connecting said weight arm to said transverse lever arm by universally adjusting joints, whereby movement of said weight in planes other than perpendicular to said link transmits a turning motion to the decoy head.

2,185,014
ADDRESSING MACHINE AND CARD FEEDING MECHANISM THEREFOR
Harmon P. Elliott, Watertown, Mass.
Original application August 26, 1937, Serial No. 160,985. Divided and this application December 30, 1937, Serial No. 182,508
11 Claims. (Cl. 271—41)

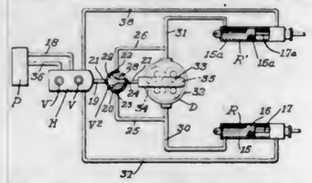


1. Card feeding mechanism for addressing machines including a pair of coacting feed rolls between which the card is advanced and on the periphery of one of which rolls the advancing card is supported, yielding means urging said rolls into pressure engagement, means to present a card to the action of said rolls, and means on one of said rolls for supporting the leading part of the card and for insuring the entrance of the card between the rolls.

2,185,015
HYDRAULIC SYSTEM AND FLUID CONTROL DEVICE THEREFOR
John Judson Low, Los Angeles, Calif., assignor to Kay-Brunner Steel Products Inc., a corporation of Delaware
Application January 2, 1937, Serial No. 118,745
10 Claims. (Cl. 60—52)

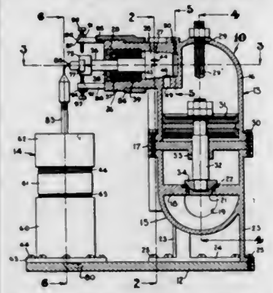
1. In combination; a source of pressure fluid; a plurality of rams each having a cylinder and a piston in the cylinder; pressure and suction lines connecting said source to said cylinders; and a control device in the pressure line between said source and said cylinders and having parts

rotatable by the fluid for equalizing the volume



of the fluid delivered to the cylinders of all of said rams.

2,185,016
VALVE
Harry J. McCombs Burdick, Anaheim, Calif.
Application November 19, 1937, Serial No. 175,443
2 Claims. (Cl. 50—11)



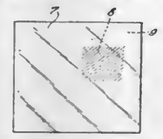
1. In a flow control device, a valve including an upper member open at the lower end and a lower member including an upwardly opening chamber and a lower chamber, a partition member between the upper and lower members, said lower member having an inlet and an outlet, a valve seat between said inlet and said outlet, said upper member having a piston thereon, a rod on said piston and having a valve thereon adapted to engage said valve seat, said upper member having a laterally directed tapered plug recess therein and having a tapered plug valve in said recess, said plug valve recess including a conduit to said cylindrical upper member, said plug valve having a radial operating arm thereon and projecting from said upper member and a control member including a housing, a Sylphon in said housing, a rod on said Sylphon, spring means to urge the Sylphon in one direction, an operating member on said second mentioned rod, means to adjustably connect said operating member to said arm, means to bleed said cylindrical upper member, conduit means to conduct fluid from one chamber to said Sylphon, and other conduit means extending from said plug valve to one of said chambers, said plug valve having conduits therein adapted to afford communication between said previously mentioned conduits.

2,185,017
BALANCED WHEEL ASSEMBLY
Judson A. Purvis, Chicago, Ill.
Application March 8, 1937, Serial No. 129,577
2 Claims. (Cl. 301—5)



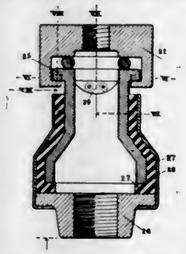
1. In a balanced wheel assembly for automobiles, a rim therefor provided on its opposite sides with an outwardly and downwardly turned flange forming an annular inwardly opening continuous channel for the ready reception, removal or adjustment of balancing weights throughout the extent of the channel, adjustable balancing weights adapted to be received within the channels and spring retaining members for retaining the weights in predetermined adjusted position, said channels and weights being so positioned and arranged that the balancing weights can not become detached by centrifugal force and thereby eliminating the danger of the weights becoming detached and thrown off or lost when the wheel is rotated at a high speed, said separate flange being U-shaped in cross section and having one leg located between the tire and the rim.

2,185,018
POLARIZING STRUCTURE
Hans Sauer, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application December 30, 1937, Serial No. 182,497
In Germany December 31, 1936
1 Claim. (Cl. 88—65)



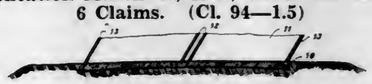
A polarizing structure comprising a base of transparent material, a foil of transparent material applied to one surface of said base and covering the entire area of the same, a portion of said foil located within the outline of the same being adapted to polarize light passing therethrough, the polarizing portion of the foil merging with decreasing polarizing effect into the surrounding non-polarizing area of the foil.

2,185,019
BUFFER FAN HANGER
Seymour James Stewart, New Orleans, La.
Application June 12, 1937, Serial No. 147,850
1 Claim. (Cl. 248—18)



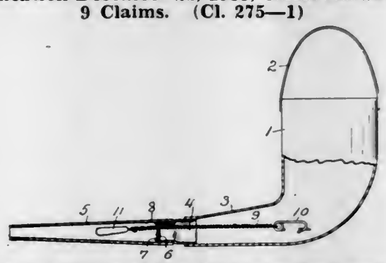
Means for mounting a ceiling fan comprising: a flanged headed support adapted to be secured to the ceiling, a laterally engageable connectable sleeve adapted to be demountably held on the head of said support, co-operating means on said headed support and said sleeve to prevent relative turning therebetween, a fan attaching sleeve surrounding said first mentioned sleeve, and a sleeve of rubber-like material interposed between said two sleeves for connecting them together and acting as a vibration absorbing means to prevent vibration incident to the operation of said fan being transmitted to said ceiling.

2,185,020
SAFETY STRIP
Victor Vostrez, Lincoln, Nebr.
Application March 13, 1937, Serial No. 130,693
6 Claims. (Cl. 94—1.5)



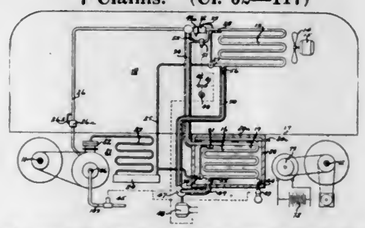
1. A relatively narrow safety marker for paved roads, said safety marker being impressed in the paving material and integral therewith, the surface of said safety marker being substantially in the form of a uniform sine curve on any desired line or lines in the paving and substantially parallel with the lateral edges of the pavement.

2,185,021
SEEDER
Gervas E. Bellamy, Bethel, and Marvin C. Jett, Kansas City, Kans.
Application December 21, 1938, Serial No. 247,024
9 Claims. (Cl. 275—1)



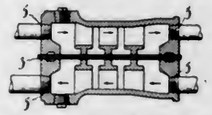
6. An agitator of the kind described comprising an elongated flexible member adapted for being disposed in the flexible discharge arm of a seeder bag and into a horn into which said arm discharges, means attached to one end of said member for attaching it to the seeder bag, and a weight attached to the other end of said member and adapted for disposal and oscillation in the seeder horn.

2,185,022
REFRIGERATING APPARATUS
Robert R. Candor, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 31, 1935, Serial No. 34,035
Renewed April 5, 1939
7 Claims. (Cl. 62—117)



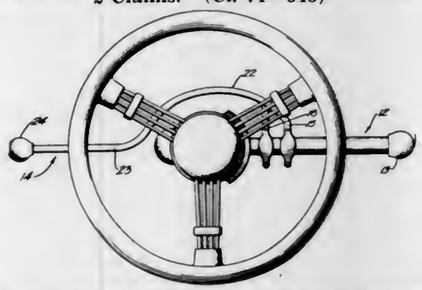
1. A vehicle having a compartment to be refrigerated, a refrigerant liquefying unit, an evaporator positioned in heat exchange relationship with air for said compartment and in refrigerant flow relationship with said unit, a fan circulating air in heat exchange relationship with said evaporator, a second evaporator below said first evaporator and in refrigerant flow relationship with said unit, pumping means, separate from said liquefying unit, for elevating liquid volatile refrigerant from said second evaporator to said first evaporator, a live axle, a variable ratio drive between said live axle and said liquefying unit, means changing the drive ratio of said drive in accordance with changing conditions of said vehicle and means for controlling said pumping means in accordance with vehicle speed conditions.

2,185,023
VIBRATION DAMPER
Harold C. Crane, Toronto, Ontario, Canada, assignor to Turnbull Elevator Company Limited, Toronto, Ontario, Canada
Application March 2, 1939, Serial No. 259,482
In Canada September 13, 1938
1 Claim. (Cl. 138—30)



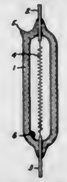
A vibration damper for fluids flowing in conduits comprising two parallel passageways; two spaced series of chambers with which the passageways respectively communicate, the chambers of each series having open inner sides arranged opposite the open inner sides of the chambers of the other series; and a plurality of resiliently positioned diaphragms each forming a closure common to the inner sides of two opposed chambers.

2,185,024
EXTENSION FOR GEAR-SHIFT LEVERS
Nelson Eddy, Beverly Hills, Calif.
Application September 20, 1938, Serial No. 230,792
2 Claims. (Cl. 74—543)



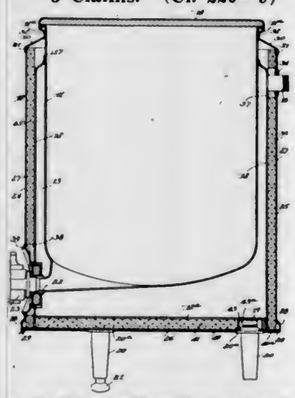
1. In combination with an automobile steering column which includes a steering wheel, gear-shift mechanism and a gear-shift lever extending radially from the column in a plane at right angles to the axis thereof and beneath the steering wheel, said gear-shift lever being mounted to swing circumferentially with relation to its axis and in a plane intersecting the axis of the column to different gear shifting positions, an auxiliary gear-shift lever having an arcuate portion lying in the transverse plane of the main gear-shift lever and partially encircling the steering column, one end of said arcuate portion being bifurcated, the arms of said portion carrying separate clamp means to embrace the main gear-shift lever and to secure the structure rigidly therewith, and a straight handle portion formed at the opposite end of the arcuate portion of the gear-shift lever and extending radially with relation to the axis of the steering column and in longitudinal alignment with the main gear-shift lever whereby manipulation of said auxiliary gear shift lever at one side of the steering column will actuate the main gear-shift lever on the opposite side of the steering column.

2,185,025
ELECTRIC LAMP
Willem Elenbaas, Eduard G. Dorgelo, and Hendricus J. Lemmens, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application April 15, 1938, Serial No. 202,312
In Germany April 19, 1937
1 Claim. (Cl. 176—16)



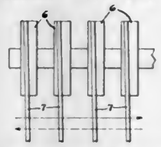
An electric incandescent lamp adapted to operate with an internal pressure considerably in excess of one atmosphere and comprising an envelope, a metallic filament sealed within said envelope, a filling of a fixed gas in said envelope which is inert with respect to the material of said filament and serves to prevent excessive evaporation of said filament during the initial moments of operation of the lamp, said envelope also containing a predetermined quantity of mercury such that at the nominal operating voltage of the lamp when new a portion of the said mercury less than one-third of the total amount thereof is present in the envelope in liquid form.

2,185,026
TANK AND INSULATING MEANS THEREFOR
Rudolph F. Goecke, Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application February 16, 1938, Serial No. 190,823
3 Claims. (Cl. 220—9)



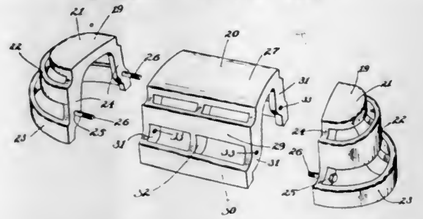
3. In a tank construction wherein a vat is provided with a wall, insulating means for said wall comprising a plurality of separate insulating sections to form the side walls, each of said insulating sections comprising a cover part and an insulating part secured to the cover part, each of said insulating sections having an inwardly turned flange on the lower portion of said cover part extending below the insulating part, an end insulating section having a cover part and an insulating part, the insulating part being of slightly less area than the cover part to thereby form a flange around the end insulating section and the insulating part being secured to the cover part, said sections being fitted together with the flange of the end insulating section lying on the flanges of the side insulating sections, and the insulating portions of the side sections engaging the upper surface of the flange on the end section, means for securing said side insulating sections to each other and to said wall, a plurality of legs for said tank, and means in connection with said legs for securing said end insulating section to said wall.

2,185,027
ABRADING IMPLEMENT AND METHOD OF MAKING AND OF ASSEMBLING THE SAME
Lloyd Hale, Westfield, N. J., and Edward McM. Pennock, Excelsior, and Earl E. Price, Minneapolis, Minn., assignors to G. H. Tennant Company, Minneapolis, Minn., a corporation of Minnesota
Application April 16, 1937, Serial No. 137,378
6 Claims. (Cl. 300—21)



1. A process for producing abrasive rolls which consists in winding upon a core simultaneously a plurality of filaments or ribbons of abrasive material in such manner that a plurality of substantially separate spiral coils are produced, the lateral faces of which abut one another during the winding.

2,185,028
GRATE
Albert Holland, Fargo, N. Dak.
Application October 29, 1937, Serial No. 171,738
1 Claim. (Cl. 126—163)

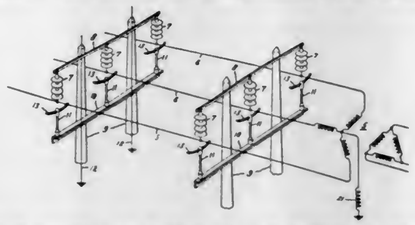


A sectional grate comprising a pair of substantially semi-circular substantially flat top sections, a pair of semi-circular bands below the level of said top sections and arranged one above the level of the other, ribs connecting said bands and said top sections to hold said bands and top sections in proper relationship, and a center section interposed between said semi-circular sections, said center section including a substantially flat top member extending between said semi-circular flat top sections, and side bands abutting said bands on said semi-circular sections, and means securing said center section to said semi-circular sections.

2,185,029
PROTECTION OF ALTERNATING CURRENT ELECTRIC SYSTEMS
Walter W. Lewis, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 24, 1937, Serial No. 127,428
6 Claims. (Cl. 175—30)

1. In combination, an alternating current elec-

tric line, an inductive device connected thereto and having a zero phase sequence inductance operative on the occurrence of a ground on a phase conductor of the line to provide a lagging current for effectively suppressing the capaci-



tance current to ground at the grounded point, gap discharge means for each phase conductor having one electrode adjacent the phase conductor and another electrode spaced from said one electrode, and a common conductive connection for said other electrodes.

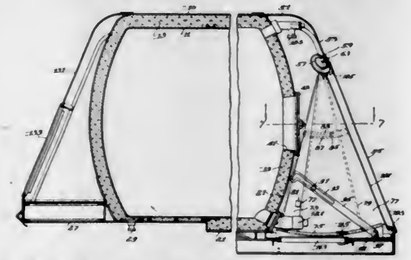
2,185,030

TANK VEHICLE CONSTRUCTION

Edwin J. Lockwood, Peekskill, N. Y.

Application February 4, 1938, Serial No. 188,740

3 Claims. (Cl. 220—30)



1. A tank vehicle including a tank having an approximately vertical end, a manhole in said end, walls forming a canopy enclosing at least a portion of said end around said manhole, said walls having a door opening therein, a hinged door cooperating with said opening and mounted to swing about a hinge axis approximately along the top of said opening, from a closed position outwardly and upwardly to an open position, and a dust guard plate hinged to said door adjacent the bottom edge thereof and so mounted that when said door is closed, said plate may extend upwardly along the inner side of the door, and when said door is open, said plate may be swung downwardly to extend approximately from the bottom edge of said door approximately to the bottom edge of said door opening.

2,185,031

WAX COMPOSITION

Frederick H. MacLaren, Calumet City, Ill., and Elmer Wade Adams, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application March 26, 1937, Serial No. 133,182

4 Claims. (Cl. 134—5)

4. A protective coating for the interior surfaces of metallic tin plated containers comprising 99% of a tough amorphous-like petroleum wax having a melting point of about 160 to 170° F., said petroleum wax being obtained by pressing slack wax separated from a 50 S. A. E. motor oil distillate from crude oils of the Salt Creek type, 0.5% of Halowax and 0.5% of a condensation product obtained by treating chlorinated paraffin wax with naphthalene in the presence of aluminum chloride.

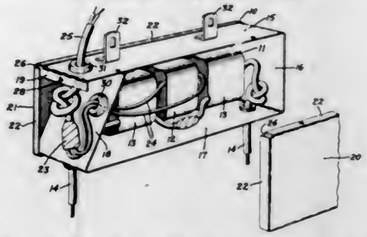
2,185,032

ELECTRICAL APPARATUS CASING

Myrle O. Marsh, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application July 27, 1937, Serial No. 155,934

2 Claims. (Cl. 220—3.2)



1. An electrical apparatus casing including three sheet metal faces, two sheet metal covers having edge flanges fitting around said faces and forming two more faces, said flanges having notches adjacent an end of one of said three faces, and a removable sheet metal cover fitting through said notches to form another face of the casing.

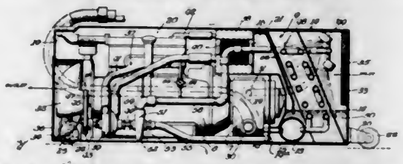
2,185,033

REFRIGERATING APPARATUS

Lee W. Melcher, Oconomowoc, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin

Application June 2, 1938, Serial No. 211,309

20 Claims. (Cl. 62—117)



10. A refrigerating apparatus comprising in combination a housing having an opening equipped partition dividing the interior thereof into a pair of chambers and also having air openings leading to the chambers; a refrigerant compressor disposed in one of the chambers and having high and low pressure refrigerant lines leading from and to it respectively; an internal combustion engine for driving the compressor mounted in said one chamber and embodying a liquid type cooling system therefor with a radiator in said one chamber disposed closely adjacent to and in front of said partition opening; an evaporative condenser for the refrigerant compressed by the compressor disposed in the other chamber and embodying a condenser coil in the high pressure refrigerant line, a spray pipe positioned to spray cooling water over said coil, and a pump for supplying said cooling water to said pipe disposed in said one chamber and having a driving connection with said engine; and a fan connected to said engine for causing a flow of air through said housing; said condenser coil and said radiator being arranged in the path of a current of air drawn through said housing by the fan.

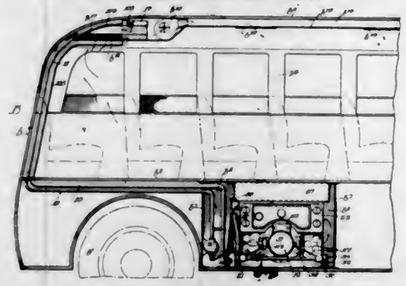
2,185,034

REFRIGERATING APPARATUS

Lee W. Melcher, Oconomowoc, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin

Application May 11, 1939, Serial No. 272,965

20 Claims. (Cl. 62—117)



1. A refrigerating apparatus comprising in combination means forming a compartment having an air inlet and an air outlet, a housing provided with an inlet opening and disposed in the compartment remotely with respect to the air inlet for the latter, a refrigerant compressor disposed in the compartment adjacent to said air inlet and having high and low pressure refrigerant lines leading from and to it respectively, a prime mover positioned in the compartment and connected to drive the compressor, an evaporative condenser for the compressed refrigerant located in said housing and embodying a coil in the high pressure refrigerant line and means for spraying liquid on the coil, and means for causing air to flow into the compartment via the inlet and around the compressor, then into the housing through the air opening and past the condenser coil, and then out via the air outlet.

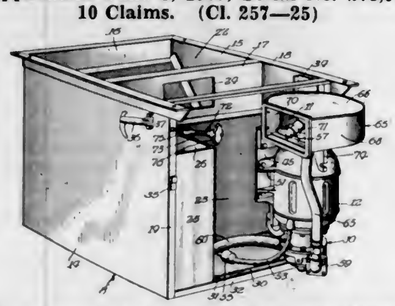
2,185,035

EVAPORATIVE CONDENSER

Lee W. Melcher, Oconomowoc, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin

Application June 8, 1939, Serial No. 278,043

10 Claims. (Cl. 257—25)



10. In combination with a vehicle having an enclosed body, an evaporative condenser mounted under the body and comprising a housing with an opening adjacent to one side of the vehicle body, and a closure member for said opening, an assembly of pump, fan and fan driving motor disposed normally in the housing and adjacent to the opening, and adapted when in operation to spray liquid onto the coil for cooling purposes and at the same time to circulate air through the housing past the coil, and normal means for supporting the assembly so that upon opening of the closure member it is movable on said means from its normal operating position within the housing through the opening to an inspection position wherein it is disposed and supported outside of the housing and outwardly of said one side of the vehicle body.

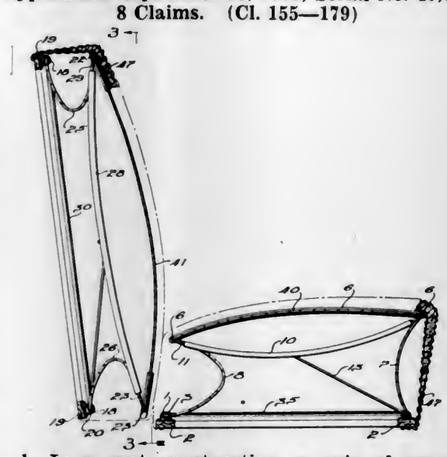
2,185,036

SEAT

Clarence H. Menge, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application September 16, 1935, Serial No. 40,741

8 Claims. (Cl. 155—179)



1. In a seat construction, a pair of spaced frames each having an inwardly presenting channel, sinuous spring elements having their terminal ends locked in the channel of one of said frames and arched to form a resilient subsurface for said seat, and spring elements each having one terminal end locked in the channel of one of said frame members and the other end locked in the channel of the other of said frame members whereby to provide a resilient interconnection between said frames.

2,185,037

WASTE DISPOSAL APPARATUS

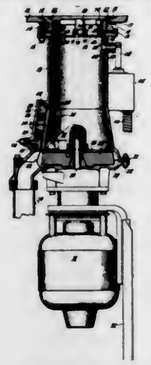
James H. Powers, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application November 12, 1936, Serial No. 110,489

19 Claims. (Cl. 83—6)

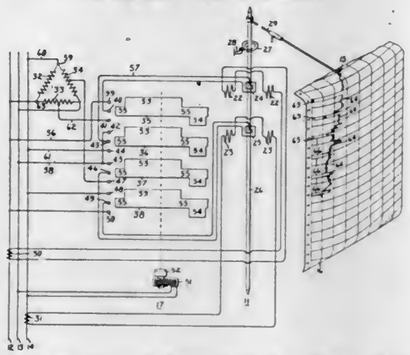
1. A waste disposal apparatus comprising a sink or like structure adapted to have water supplied thereto and having a drain opening, a receptacle connected to the sink and having a passage in communication with said opening for admitting water and waste material to the receptacle, power driven means operable for comminuting material in the receptacle, means for the discharge of comminuted material and water from the receptacle, control means for rendering said power driven means operative and inoperative, a removable stopper device for said opening operable selectively for closing the opening to prevent drainage of water therethrough from said sink and for affording a passage for said drainage of water, means carried by said stopper device and selectively operable, when the stopper device is in said opening, for effecting operation of said control means to render said power driven means operative and inoperative, and means

operative automatically to lock said stopper device against removal from said opening upon op-



eration of said control means to render said power driven means operative.

2,185,038
RECORDING INSTRUMENT
Ralph M. Rowell, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application July 12, 1938, Serial No. 218,781
1 Claim. (Cl. 234—5.5)



In a recorder of characteristics of an alternating-current circuit, a pen-operating movement comprising relatively movable current-conducting coils in inductive relation, connections for applying a voltage corresponding to circuit voltage to one of said coils and connections for passing current corresponding to circuit current through the other of said coils, a phase shifter and means for intermittently interposing said phase shifter in one of said connections, whereby a record may be produced on a single record chart of both real power and reactive power conditions in the circuit.

2,185,039
CIRCUIT INTERRUPTER
Lewis R. Smith, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 18, 1934, Serial No. 744,532
29 Claims. (Cl. 200—120)

1. In an air break circuit interrupter; means, at least partially of insulating material for defining the outer surface of a tubular arc passage which is open at one end to the atmosphere but is otherwise substantially completely enclosed; means, likewise at least partially of insulating material, positioned within said passageway, at least during the circuit interrupting operation, for defining the inner surface of said arc passage; means for establishing an arc between said inner and said outer surfaces; and means for causing said arc to be moved laterally in recurrent paths within said arc passage; said surface defining means so restricting the volume of said



passage that arcs of small current magnitude as well as arcs of large current magnitude are caused to intimately contact the surfaces defining said arc passage during the circuit interrupting operation; at least a portion of one of said surface defining means being formed of a solid material which is capable of evolving an arc extinguishing gas when placed in proximity to an electric arc.

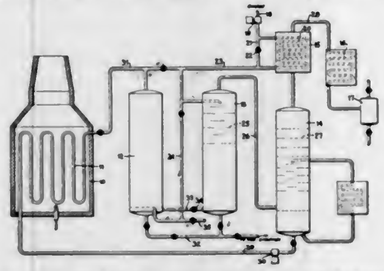
2,185,040
METHOD OF REFRIGERATION AND ABSORBENT THEREFOR
Harry F. Smith and Charles E. Waring, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
No Drawing. Application November 30, 1936, Serial No. 113,471
10 Claims. (Cl. 62—179)

1. The process which comprises absorbing a gas into a liquid and chemically absorbing the gas from the liquid into a solid colloidally suspended within the liquid; then driving the gas from the solid into the liquid and then out of the liquid, said solid having no chemical or physical affinity for the liquid or any chemical radical in the chemical structure of the liquid, said liquid remaining in liquid state throughout the absorbing and generating cycles.

2,185,041
TREATMENT OF HYDROCARBON OILS
Victor Stapleton, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 15, 1933, Serial No. 698,132
1 Claim. (Cl. 196—58)

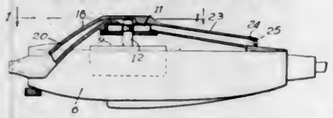
In the conversion of higher boiling hydrocarbon oils into lower boiling ones, the process that comprises heating a confined stream of condensate oil to a cracking temperature of upwards of 900° F. to effect a high rate of cracking per pass, directing the stream of cracked products into an enlarged cracking chamber wherein separation of vapors from liquid takes place, maintaining a cracking temperature of upwards of 850° F., under superatmospheric pressure in the enlarged cracking chamber, separately withdrawing liquid from the enlarged cracking chamber at a rate adequate to prevent the accumulation of liquid therein, passing the separated vapors without further heating directly into a

second cracking chamber below the liquid level therein, introducing fresh charging stock for the process into the system, directing the greater part thereof into a dephlegmating zone in the second cracking chamber above the liquid level therein whereby the stock thus introduced flows countercurrent to the rising vapors separated therein and dephlegmates the separated vapors before reaching the body of liquid oil, maintaining a large body of liquid oil therein at a cracking temperature of a lower order than that



of the first cracking chamber by substantially only the heat derived from the vapors, passing the minor part of the fresh charging stock into said enlarged cracking chamber in proximity to the point of withdrawal of liquid therefrom to prevent substantial coking at said point, removing the dephlegmated vapors from the dephlegmating zone of the second cracking chamber and subjecting them to fractionation to separate out a condensate and conducting said condensate to aforesaid confined stream.

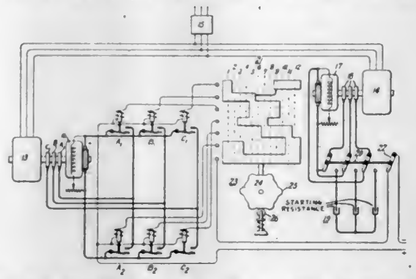
2,185,042
SHAVING DEVICE
Lawrence D. Strong, Chicago, Ill.
Application May 10, 1937, Serial No. 141,682
3 Claims. (Cl. 30—41)



1. The combination with an electric shaver including a casing adapted to be held in the hand of the user and having a shaving head, and a motor for actuating the same mounted in said casing, of a fan driven by the motor, a housing in the casing for said fan which is closed from the motor chamber, a conduit in the casing leading from the housing to a point adjacent to one end of the shaving head and opening into the same, a gasket between the end of the conduit and the shaving head, and a dust separator comprising a chamber in the casing connected with the outlet of the fan having a screened outlet and adapted to collect the particles discharged thereinto by the fan.

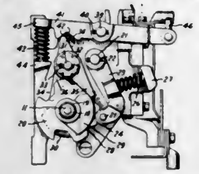
2,185,043
ELECTRIC DRIVE SYSTEM
Albert Stubbs, Knutsford, and Robert Townend, Chorlton-cum-Hardy, Manchester, England, assignors to General Electric Company, a corporation of New York
Application November 26, 1937, Serial No. 176,444
In Great Britain December 7, 1936
5 Claims. (Cl. 172—293)

1. In an electric drive including a pair of synchronous motors arranged to rotate at the same speed but in a predetermined phase relationship, the combination including a three-phase wound rotor for one of said motors, a source of direct current excitation for said rotor, contactors for connecting and disconnecting selective portions of rotor windings to said source of excitation



and for either direction of current flow therethrough, a drum controller for sequentially controlling said contactors whereby the resultant field may be shifted throughout 360 electrical degrees with respect to said rotor to vary the phase angle of operation of said one motor with respect to the other motor.

2,185,044
CONTROLLER
John F. Tritle, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application July 19, 1938, Serial No. 220,013
8 Claims. (Cl. 74—483)

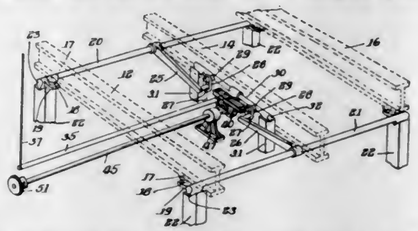


1. An electrical controller comprising a rotatable switching shaft mounted for rotation from a neutral position in either direction to an operating position, switching means operable by said shaft, a pair of projections on said shaft, a pivoted member having a pair of stops adjacent said projections on opposite sides of said shaft, said member being turned from a central position to a tilted position by engagement of one of said projections with one of said stops when said shaft is turned from said neutral position in either direction whereby the other of said stops is positioned to engage the other of said projections to prevent movement of said shaft in the opposite direction through said neutral position, and auxiliary means for returning said pivoted member to said central position.

2,185,045
SCALE PLATFORM LOCKING MECHANISM
William D. Unruh and Hugo F. Seelig, Benton Harbor, Mich., assignors to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan
Application January 6, 1939, Serial No. 249,606
4 Claims. (Cl. 265—72)

1. A weighing scale comprising a load platform, weighing mechanism operated thereby, means for locking the load platform from movement, said locking means comprising a bracket secured to the load platform and having an aper-

ture with a pair of oppositely disposed vertical surfaces, and an elliptical cam rotatable within



said aperture and adapted, on rotation, to engage said vertical surfaces whereby to lock the bracket against movement in a predetermined direction.

2,185,046

OPAQUE WAXES AND METHOD OF PREPARING THE SAME

Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application February 11, 1938, Serial No. 190,043

7 Claims. (Cl. 106—33)

1. The method of preparing opaque paraffin waxes which comprises heating paraffin wax to a temperature above its melting point, dissolving a froth stabilizer in said melted wax in the absence of an aqueous medium and vigorously agitating said melted wax mixture with a gaseous medium while the wax cools to its solidification point.

2. The method as described in claim 1 in which the froth stabilizer is a compound selected from the group consisting of alkali sulfonic acid soaps, sodium stearate, hydroxy ethyl stearate and alkyl xanthates.

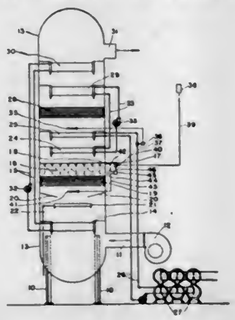
2,185,047

APPARATUS FOR AIR CONDITIONING

Norman Weinstein, Chicago, Ill., assignor to The Trane Company, La Crosse, Wis.

Application June 5, 1939, Serial No. 277,412

10 Claims. (Cl. 62—2)



7. An air conditioning apparatus comprising a casing, an air inlet and outlet, means to compress and force air through said casing, conditioning means interposed in path of said air in the following order, a cooling coil, a spray, a second cooling coil, a third cooling coil, a heating coil in operative connection with the second cooling coil to form a heat cycle, and a second heating coil in operative connection with the first cooling coil to form a heat cycle.

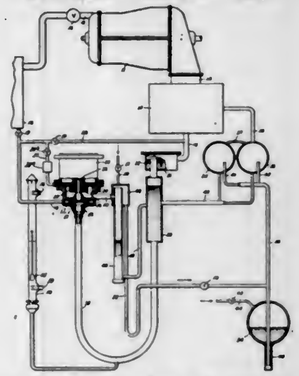
2,185,048

MERCURY BOILER FEED ARRANGEMENT

Orla L. Wood, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 20, 1939, Serial No. 274,782

5 Claims. (Cl. 103—111)



1. Mercury boiler feed arrangement comprising a source of mercury, a feed pump, means including a U-shaped sealing conduit connecting the inlet of the pump to the discharge of the condenser, and means including a U-shaped sealing pipe for returning leakage from the pump into said sealing conduit.

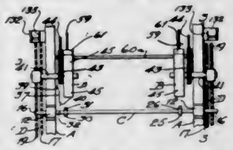
2,185,049

SENSITIZING COATING MACHINE

George C. Beidler, Rochester, N. Y.

Application November 30, 1937, Serial No. 177,350

29 Claims. (Cl. 271—2.2)



2. In a sensitizing coating machine, means for carrying film comprising members having laterally spaced curved film supports engageable only at the edge portions of a coated film, the radii of which are of such magnitude as to cause arching of the supported film proportional to its buckling resistance when carrying an emulsion coating and operative to prevent such buckling, and means for moving the supports relatively longitudinally of the member for carrying film, to compensate for expansion and contraction of the film.

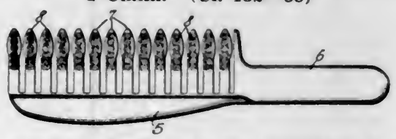
2,185,050

COMBINED BRUSH AND COMB

Peter Chiraello, Attica, N. Y.

Application October 17, 1938, Serial No. 235,513

1 Claim. (Cl. 132—88)



A combined comb and brush comprising a body portion including a handle, teeth extending from the body portion, said teeth being wide at their free ends and narrow at points adjacent to the body portion, bristles extending from the teeth, said bristles covering substantially two-thirds of the lengths of the teeth, and the bristles being substantially short at points adjacent to the free ends of the teeth and gradually increasing in length towards the handle.

2,185,051

AUTOMATIC BED LIGHT

Oscar J. Daigle, New Orleans, La.

Application March 14, 1938, Serial No. 195,898

4 Claims. (Cl. 240—4)



1. An electric light for a bed having a depressible support for occupancy, comprising means separably attachable to the bed beneath the support, an electric lamp carried by said means, an electric current supply for said lamp, and switches arranged in the current supply in the path of the support and operated by displacement of said support for the automatic lighting of said lamp when either of the switches is shifted in one direction by partial occupancy of said support and for the automatic extinguishing of said lamp when said switches are shifted in reverse direction on unoccupancy of the support.

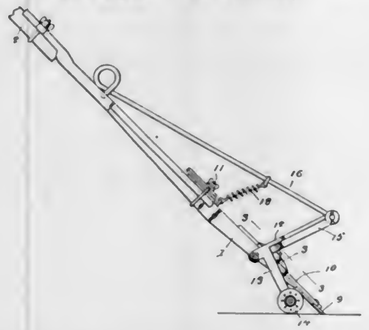
2,185,052

PAVEMENT JOINT CLEANING

Samuel W. Dougherty, Greencastle, Pa.

Application April 25, 1938, Serial No. 204,200

6 Claims. (Cl. 37—169)



1. A device for preparing road joints and road surfaces comprising a body, a handle for said body, means for detachably mounting on said body different types of tools, means on said body for supporting said tools when not in use, a substantially U-shaped member pivoted on said body, legs integral with said U-shaped member and extending forwardly and downwardly on opposite sides of the body and the tool carried thereby, rollers journaled on said legs to ride the surface of the road, an arm integral with said U-shaped member and extending upwardly and forwardly with respect to the body, said body having a series of openings, a resilient rod pivoted to said arm and adapted to have an end thereof insertible in any one of the sockets.

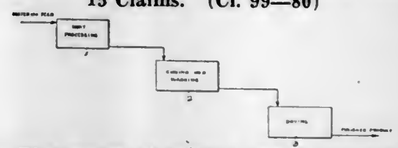
2,185,053

PROCESS AND COMPOSITION FOR TREATING FOOD MATERIALS

Logan A. Dils, Stuttgart, Ark., assignor, by mesne assignments, of nine-twentieths to Robert M. Foster, Helena, Ark., one-half to H. S. Cramer, New York, N. Y., and one-twentieth to Douglas McCabe, Chicago, Ill.

Application August 20, 1937, Serial No. 160,074

15 Claims. (Cl. 99—80)



1. The process of treating cereal grains which comprises dry-cooking the same for a period of approximately thirty to ninety seconds by continuously mixing therewith a dry granular mixture heated to a temperature of the order of 450° to 575° F., subjecting the grains for a period of from 8 to 10 hours to the action of a relatively weak solution of sodium chloride to flake the grains and abstract the free starch in said grains and hold the same in suspension, and subsequently removing the moisture from said grains by subjecting them to heat.

9. The process of treating cereal grains, legumes, vegetables and other food materials which comprises dry-cooking the same by continuously mixing therewith a dry granular physical mixture of chemical compounds heated to a temperature of the order of 450°–575° F., the mixture consisting of the chlorides of sodium, calcium, potassium and lithium, carbonates of calcium and magnesium, calcium phosphate and sulphate of iron, the chloride of sodium comprising substantially 90 per cent of the mixture, approximately 3 per cent being constituted by the potassium chloride, and at least 3½ per cent by the calcium salts, the remainder including small percentages of iron sulphate, lithium chloride, and magnesium carbonate functioning respectively as a preservative, an odor neutralizing agent and as a moisture absorbing agent, the magnesium carbonate being burned off when the mixture is initially heated.

10. For use in quick-cooking cereal grains, legumes and other food materials, a dry granular mixture of chemical compounds comprising the chlorides of sodium, calcium, potassium and lithium, carbonates of calcium and magnesium, calcium phosphate and sulphate of iron, the sodium chloride comprising substantially 90 per cent of the mixture, approximately 3 per cent being constituted by the potassium chloride, and at least 3½ per cent by the calcium salts, the remainder including small percentages of iron sulphate, lithium chloride, and magnesium carbonate functioning respectively as a preservative, an odor neutralizing agent and as a moisture absorbing agent, the magnesium carbonate being burned off when the mixture is initially heated.

2,185,054

PREPARATION OF CEREAL FOODS

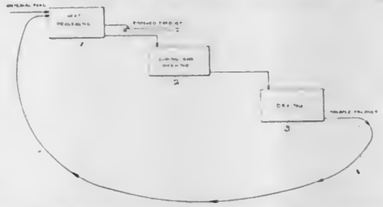
Logan A. Dils, Stuttgart, Ark., assignor, by mesne assignments, of nine-twentieths to Robert M. Foster, Helena, Ark., one-half to H. S. Cramer, New York, N. Y., and one-twentieth to Douglas McCabe, Chicago, Ill.

Application August 20, 1937, Serial No. 160,075

11 Claims. (Cl. 99—80)

1. The process of making a ready-to-eat cereal food product, comprising subjecting cereal grains

having no more than their natural moisture content to a dry heat by mixing the grains with a granular mixture heated to a temperature of the order of 450°–575° F., soaking the same in an aqueous solution for a time sufficient to effect



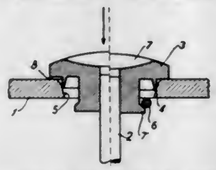
swelling and bursting of the grains, heating the product to reduce the moisture content of the same to a value of from 3 to 8 per cent, and thereafter agitating the product with the granular mixture, heated to a relatively high temperature in order to toast the same.

2,185,055
GAME
Wilmer C. Driscoll, Roanoke, Va.
Application January 21, 1939, Serial No. 252,193
3 Claims. (Cl. 273—127)



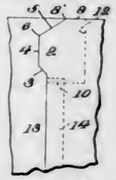
3. In a game apparatus including a support having an upper cross bar; a target provided with a transverse seat to loosely receive the cross bar of the support, the seat extending forwardly at an upward incline and being open towards the rear of the target and unobstructed at its lower end and serving to removably suspend the target from the cross bar and allow the target to drop from the cross bar onto the ground when swung about the bar from one position to another.

2,185,056
CONE BEARING
Karl Ehrlich, Milan, Italy
Application June 16, 1937, Serial No. 148,572
In Austria June 30, 1936
10 Claims. (Cl. 308—22)



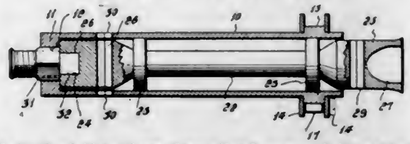
1. In bearings, a stationary member and a rotary member each having cooperating conical bearing surfaces, the conical bearing surface of one of said members being located on a deformable portion thereof and integral therewith in virtue of which when said bearing members are pressed together in an axial direction the deformable portion will yield to adapt its bearing surface to that of the other bearing surface.

2,185,057
SHEET METAL CAN BODY
Henry A. Fink, Pelham Manor, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 8, 1937, Serial No. 147,113
1 Claim. (Cl. 220—62)



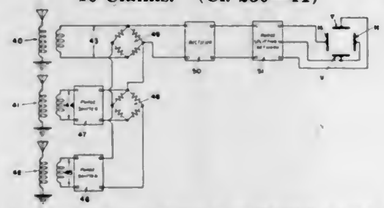
A sheet metal can body comprising a metal blank formed into cylindrical shape and having the side edge portions of the blank joined by a solder bonded side seam, said side seam including inner and outer hooks interlocked with each other, said hooks being relatively short as compared with the standard hooks of a lock and lap seam can body, and lap portions at the ends of the hooks, the inner lap portion being extended laterally beyond the limits of the interlocked hooks a distance equal to substantially the length of the inner hook and having its side edge substantially parallel with the edges of the hooks, the outer lap portion being extended laterally beyond the limits of the side seam at the other side thereof from the first lap portion and to a distance equal substantially to one-half of the length of the outer hook and having its side edge substantially parallel with the edges of the hooks, and its outer edge inclined and intersecting the edge of the can body in a line within the limits of the hook portions of the side seam, and having its inner edge inclined in the opposite direction and extending from the side edge of the lap portion to the base of the outer hook.

2,185,058
WRENCH
Charlie A. Graham, Apple Springs, Tex.
Application April 28, 1938, Serial No. 204,878
1 Claim. (Cl. 81—55)



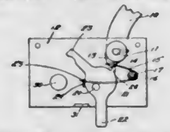
A tool of the class described comprising a tubular socket member adapted for turning having a socket portion in one end thereof, a removable and reversible auxiliary socket member rotatable within the first mentioned socket member having socket portions in each end adapted selectively to abut the first mentioned socket portion and to aline therewith, the second mentioned socket portions being dissimilar, said auxiliary socket member having openings therethrough one adjacent each end, the first mentioned socket member having openings therethrough for alinement with either of the first mentioned openings, so that an element may be applied to connect the socket members for unitary rotation, said auxiliary socket member being of a length to extend beyond the first mentioned socket portion at the end opposite the socket portion to expose the adjacent opening thereof for engagement by a turning element when the socket members are operated one relative to the other to detach the unitary nuts.

2,185,059
MONITORING SYSTEM FOR ANTENNA ARRAYS
Frank G. Kear, Minersville, Pa., and Frank L. Marx, Flushing, N. Y., assignors to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware
Application April 26, 1938, Serial No. 204,422
10 Claims. (Cl. 250—11)



1. In combination with a radiating array comprising a plurality of antennas, means for producing a visual representation of the radiation pattern of the array comprising means for drawing current from said antennas, means for shifting the phase of the current down from certain of the antennas and combining such current with that from the other antennas, means for rectifying the combined currents to produce a resultant current, means for splitting said resultant current into components, and means for causing said component currents to act upon and deflect the beam of a cathode ray oscillograph.

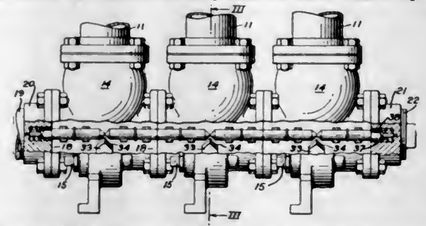
2,185,060
ALARM MECHANISM FOR HANDBAGS OR THE LIKE
Cyril Ernest Lewis, Eastwood, near Sydney, New South Wales, Australia, assignor of one-half to Duke Etherington, Sydney, New South Wales, Australia
Application August 27, 1936, Serial No. 98,252
In Australia August 27, 1935
4 Claims. (Cl. 200—157)



1. In an electrically operated alarm device for handbags and the like, a circuit-making and breaking mechanism actuated by releasing the grip on the handle of a handbag, comprising a circuit-controlling member pivoted within the handbag, means urging said member to circuit-closing position, and a latching member pivoted within the handbag for maintaining said circuit-controlling member in circuit-opening position against the action of said last-mentioned means, said latching member having a portion extending exteriorly of the handbag in cooperative relation with the handle thereof, so that said portion may be grasped together with the handle to hold said latching member in latching position.

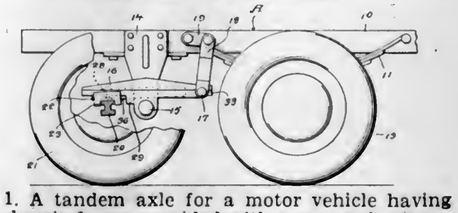
2,185,061
SELECTIVE VALVE MANIFOLD FOR TANK TRUCKS
Leo L. Meyers, San Leandro, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application July 14, 1937, Serial No. 153,544
13 Claims. (Cl. 277—20)

1. An apparatus of the character described comprising a manifold having a plurality of separate inlets and a common outlet, a separate valve to control each inlet and normally closing the same, a separate valve operating mechanism for each valve, a latching mechanism for said valve operating mechanisms normally enabling selective operation of any one of said valve oper-



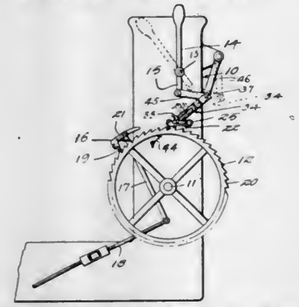
ating mechanisms, said latching mechanism being actuated by the valve opening operation of the selected valve operating mechanism to latch the remaining valve operating mechanisms against valve opening operation.

2,185,062
TANDEM AXLE FOR TRUCKS
Chester J. Patterson, Lancaster, Pa.
Application December 1, 1938, Serial No. 243,430
4 Claims. (Cl. 280—124)



1. A tandem axle for a motor vehicle having a chassis frame provided with a rear axle carrying traction wheels, comprising a floating axle having trailer wheels, means loosely connecting the floating axle with the chassis frame, rocking elements supported by said chassis frame, bearings interposed and slidably fitted with the floating axle and the rocking elements, linkage between the rocking elements and the said chassis frame, and abutments on the rocking elements in the path of movement of the bearings interposed with said elements for limiting the movement of the bearings in one direction whereby on the backing of the vehicle the traction and trailer wheels automatically align and track with each other in a straight course.

2,185,063
LOOM
Samuel T. Pugh, Radford, Va., assignor of fifty per cent to Wyatt T. Burnette, Altavista, Va.
Application March 11, 1939, Serial No. 261,330
3 Claims. (Cl. 139—313)



1. In a loom having a take-up mechanism in-

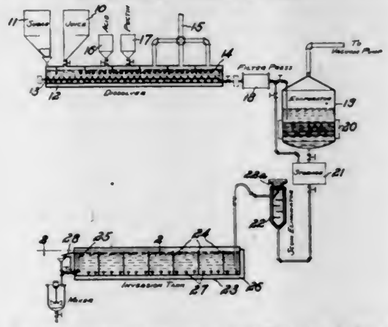
cluding a ratchet wheel, a feed pawl and a loom starting and stopping means, a holding pawl engageable with said wheel, a link pivotally secured at one end to said means and having an elongated slot adjacent the other end, a part fixed to said holding pawl loosely engaging in said slot, yieldable means yieldably holding said part at one end of said slot, and a handle carried by said holding pawl permitting manual movement of said holding pawl independent of said means.

2,185,064

MANUFACTURE OF JELLIES AND THE LIKE

Gustave T. Reich, Philadelphia, Pa., assignor to Pennsylvania Sugar Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 2, 1937, Serial No. 151,760
5 Claims. (Cl. 99—132)



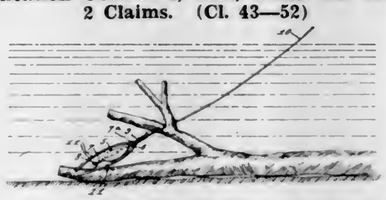
1. In the manufacture of jellies and the like from fruit juices and sugar, the improvement which comprises removing water from the mixture of fruit juices and sugar, and inverting the major portion of the sugar content in separate operations, the inversion of the sugar being effected at a temperature below the boiling point of the solution.

2,185,065

FISHING TACKLE

Robert F. Schmaltz, Muskegon Heights, Mich.

Application October 4, 1938, Serial No. 233,318
2 Claims. (Cl. 43—52)



1. A trolling sinker, comprising, a body, a rod connected to said body and extending beyond one end thereof, and a plurality of resilient guards connected to said rod and embracing said body and normally spaced therefrom, said guards being operable in a direction toward said body to protect the latter from engagement with obstructions when trolled thereover.

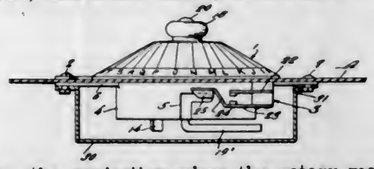
2,185,066

KEYLESS IGNITION SWITCH

Ewart Ellis Saucier, El Paso, Tex.

Application July 17, 1939, Serial No. 285,011
2 Claims. (Cl. 200—45)

1. In a device of the class described, a supporting member, a dial member on one face of the supporting member having a centrally arranged recess therein, a knob equipped rotary member in the recess, a shank connected with the rotary member and slidably and rotatably supported in the supporting member, a ring-shaped member on the other face of the supporting member and having a bayonet slot therein, a cup-shaped member fitting in the ring-shaped member and rotatably mounted on the supporting member and having a notch therein, and a projection thereon, said shank having a bent part for engaging the projection when the rotary member is moved outwardly and rotated, rotary movement of the shank to a certain position placing the notch in the cup-shaped member opposite the bayonet slot after which the rotary member is manipulated to place the bent part of the shank in the notch and bayonet slot and switch means closed by the placing of the bent part in the bayonet slot, said rotary member having a marker thereon for cooperating with parts on the dial for indicating when the parts are adjusted to the proper position.

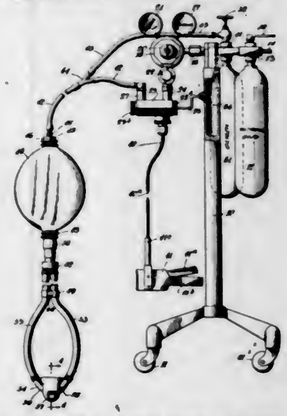


2,185,067

APPARATUS FOR SELF-ADMINISTRATION OF ANESTHETICS

Justin G. Sholes, Cleveland, Ohio, assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application July 2, 1937, Serial No. 151,569
18 Claims. (Cl. 128—203)



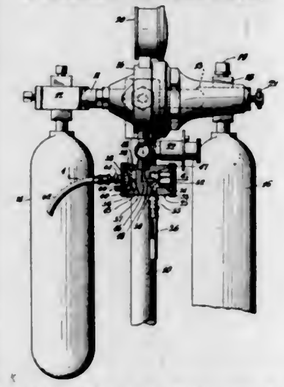
1. In an analgesic apparatus of the class described, adapted for the self-administration of anesthetic gas by a patient, and including a source of anesthetic gas, means for delivering the gas therefrom, and a mask for delivering the gas to the patient, the elements which comprise a gas control chamber provided with inlet and outlet valves so arranged and inter-related that both valves can never be opened at the same time, and operating mechanism under the control of the patient for alternately opening said valves to permit only a limited quantity of gas to flow to the patient, the arrangement and location of said valves and patient control means being such that gas can not flow to the patient while said patient-controlled means is stationary in any position.

2,185,068

APPARATUS FOR SELF-ADMINISTRATION OF ANESTHETICS

Justin G. Sholes, Cleveland, and Oris J. Smith, Cleveland Heights, Ohio, assignors to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 10, 1937, Serial No. 179,060
5 Claims. (Cl. 128—203)



1. In an apparatus for administration of an anesthetic gas under patient control, the combination with a source of anesthetic gas and an inhaling mask; of patient-operable means for controlling the delivery of gas to the mask, comprising a casing having an inlet connected to the source of gas and an outlet connected to the mask, a valve enclosed in the casing at one end thereof and movable longitudinally of the casing to control the flow of gas to the outlet, an actuating member housed in the casing and movable longitudinally thereof in one direction for opening the valve and in the opposite direction for closing the valve, patient-operable means comprising a flexible diaphragm across the casing at the end thereof opposite to the valve to move said member in the first mentioned direction and thereby open the valve and movable in the opposite direction to enable the valve to close, an air vent to afford such last mentioned movement of the flexible diaphragm and a spring cooperating with the valve to close the same.

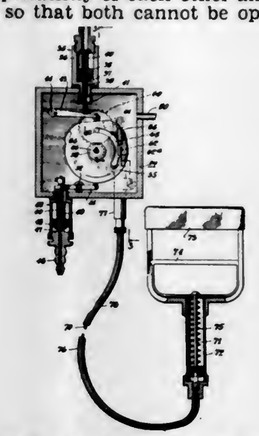
2,185,069

ANESTHETIC APPARATUS

Justin G. Sholes and John T. Glekler, Cleveland, Ohio, assignors to The Ohio Chemical & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 7, 1938, Serial No. 206,514
10 Claims. (Cl. 128—203)

1. In an apparatus for administration of an anesthetic gas under the control of a patient, comprising, in combination, a gas chamber having means for connection with a source of anesthetic gas and means for connection with a breathing mask, an inlet valve to control the delivery of gas to the chamber, and an outlet valve operable independently of the inlet valve to control the delivery of gas to the mask, the improvements which comprise rotary cam means cooperating with the valves for actuation of the same independently of each other and in succession only, so that both cannot be opened simultaneously, and means operable by the patient to actuate the cam means.

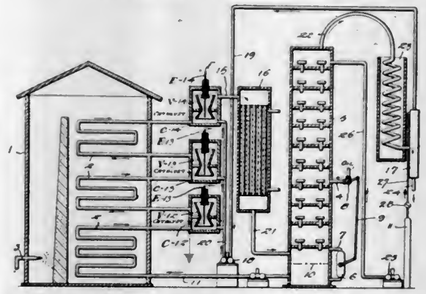


2,185,070

PROCESS OF HYDROGENATING HYDROCARBON OILS

Elbridge Webster Stevens, Baltimore, Md., assignor, by mesne assignments, to Wachovia Bank and Trust Company, Forsyth County, N. C., a corporation

Application January 31, 1939, Serial No. 253,915
7 Claims. (Cl. 196—53)



1. The process of converting heavy petroleum oil fractions to lighter fractions, which comprises vaporizing the heavy oil fractions, mixing the heated vapor with hydrogen gas, passing the vapor-gas mixture through a space encircled by a catalytic material, producing a high frequency silent dark discharge of electric current through said space, raising the temperature of the vapor-gas mixture so treated above the original temperature of the vapor while maintaining the treated vapor-gas mixture below 680° F., and again passing the vapor gas mixture through a high frequency electric field forming a silent dark discharge in a space enclosed by a catalytic material.

2,185,071

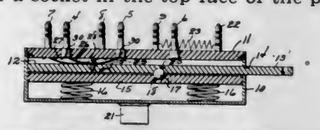
ELECTRIC SWITCH

Mateo S. Alcoran, Honokaa, Territory of Hawaii

Application April 21, 1939, Serial No. 269,248
1 Claim. (Cl. 200—16)

A selector switch comprising a casing, a panel of di-electric material closing the top of the casing, a circuit closing member formed of a single

sheet of di-electric material mounted to slide longitudinally in the casing, a grip on the member projecting from one end of the casing for sliding the member, a pressure plate mounted in the casing to move toward and away from the member, a pair of helical springs mounted in the casing and urging the pressure plate toward the member, there being a ball forming a stop received in a socket in the top face of the pressure



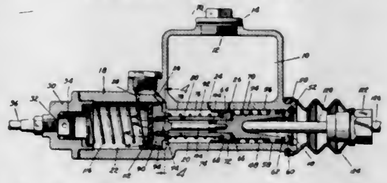
plate, there being sockets in the bottom face of the member interchangeably receiving said ball to yieldably hold the member in either of two circuit closing positions, stationary switch contacts on said panel projecting through the bottom face of the panel and having concave seats in their bottom faces, and bridging switch contacts carried by said member having reversely bent terminals adapted to be interchangeably received in said concave seats.

2,185,072

FLUID PRESSURE PRODUCING DEVICE

Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application January 22, 1937, Serial No. 121,766
9 Claims. (Cl. 60—54.6)



1. A fluid pressure producing device comprising a high pressure producing means and a low pressure producing means arranged in tandem with the low pressure producing means forward of the high pressure producing means, said low pressure producing means having a fluid outlet for both of said pressure producing means, and means automatically actuated by pressure in the device for gradually transferring the pressure from one pressure producing means to the other, said last-named means comprising a valve having separate parts exposed to the pressure produced in each pressure-producing means, the part in the low-pressure producing means being at least as large as the part in the high-pressure producing means.

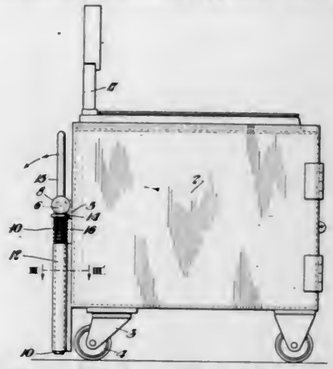
2,185,073

PORTABLE WEIGHING DEVICE

Julius P. Chamberlain, Homestead, Pa.

Application March 1, 1938, Serial No. 193,362
1 Claim. (Cl. 280—44)

A freely portable truck comprising wheels constructed and arranged to entirely support it, and means for anchoring said freely portable truck in a chosen position; said means including a horizontal shaft rotatably mounted on one end of said freely portable truck, a cam secured to each end of said horizontal shaft, a vertically movable floor-contacting plunger disposed beneath and operated by each of said cams, a lever for rotating said horizontal shaft, and a coiled compression spring for influencing each of said floor-contacting plungers against the adjacent



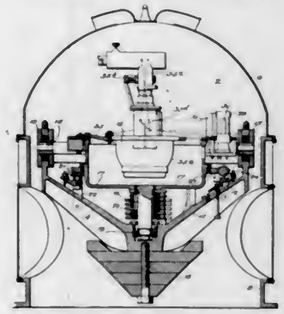
cam and out of contact with the floor upon which said freely portable truck is movable.

2,185,074

STEERING APPARATUS

Britton Chance, Mantoloking, N. J.

Application October 8, 1937, Serial No. 168,081
21 Claims. (Cl. 114—144)



1. In an automatic steering system for a dirigible craft having a steering mechanism, a controlling unit disposed on said craft at a tranquil position thereof and comprising means for providing a fixed light beam and a plurality of light-sensitive devices movable with respect to said beam in response to deviation of the craft from its course, means for adjusting said devices relative to one another to vary the response of said controlling unit, a controlled unit disposed on said craft at a position remote from said controlling unit and comprising means controlled by said devices for actuating said steering mechanism in accordance with the craft's deviation, and means operable by said actuating means for effecting follow-back movement of said devices relative to said beam.

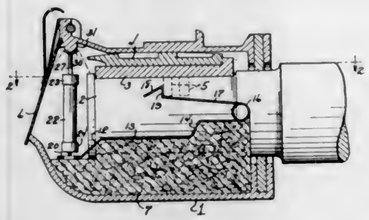
2,185,075

JOURNAL BOX PACKING RETAINER

Arthur Dienstel, Tucson, Ariz.

Application June 1, 1939, Serial No. 276,871
5 Claims. (Cl. 308—89)

1. A packing retainer for a journal box, comprising companion frames connected together for lateral adjustment and including an elongated front frame member for disposal in advance of the journal to engage the packing, spring pressed means rising from the front frame member for engagement with the box to urge said member against the packing, and spring means extending



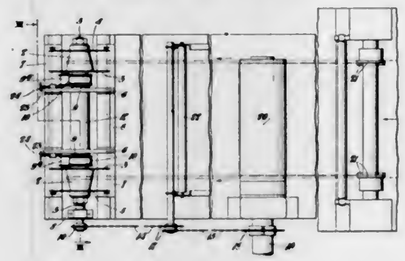
rearwardly from said journal for disposal upon opposite sides of the journal and for engagement with the box and packing to cooperate with said member for holding the packing in place.

2,185,076

APPARATUS FOR WINDING SCRAP FROM MULTIPLE SLITTING SHEARS

Forrest R. Eddy, Gary, Ind.

Application March 21, 1939, Serial No. 263,281
2 Claims. (Cl. 164—65)



2. In combination with a multiple slitting shear and recoiler, a device for winding the narrow elongated scrap material coming from the slitting shear comprising a support, stub shafts carried by said support, reels on said shaft for receiving the elongated scrap material coming from said slitting shear, a belt roller on said support, driving connections between said belt roller and said stub shafts and means for rotating said belt roller whereby said reels coil the elongated scrap material fed from said slitting shear, said last mentioned means rotating said belt roller at a speed greater than the speed of rotation of said pulleys regardless of the varying ratio of strip speed to rotation of said recoiler due to build-up of the coil of material.

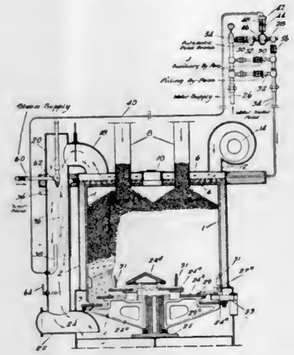
2,185,077

MEANS FOR CONTROLLING THE PRODUCTION OF WATER VAPOR BY AND SUPPLY TO GAS PRODUCERS

Albert Leet Galusha, Caldwell, N. J.

Application October 31, 1936, Serial No. 108,654
8 Claims. (Cl. 48—76)

1. The combination with a gas producer having a water jacket, of means for heating and moistening in said water jacket all air supplied to the gas producer fire, means for supplying water to said water jacket, means for removing ash from a wall of said water jacket to maintain substantially uniform conditions for the transfer of heat from the fire to said water jacket and means responsive to variations in the tem-



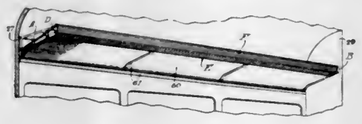
perature of the air supplied for controlling said water supplying means.

2,185,078

COMBINATION BAGGAGE RACK AND LIGHTING FIXTURE

Andrew T. Hagerty and Christian M. Verhagen, Elkhart, Ind., assignors to The Adlake Company, a corporation of Illinois

Application December 31, 1936, Serial No. 118,580
5 Claims. (Cl. 240—7.1)



1. A baggage rack for a vehicle including spaced bracket supporting members, an upper floor plate and a lower finish plate spaced apart and supported by the bracket, a continuous lighting trough between the plate and finish sheet extending between said spaced bracket supporting members and opening downwardly through the finish sheet, and lighting means in the trough co-extensive with the length of the trough.

2,185,079

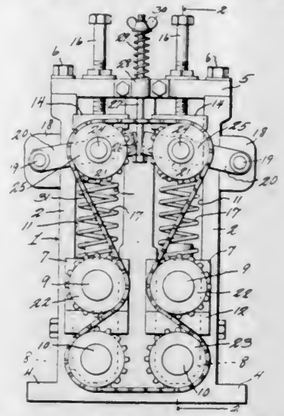
CHAIN DRIVE

Isaac L. Hall, Graniteville, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass., a corporation of Massachusetts

Application January 10, 1939, Serial No. 250,227
5 Claims. (Cl. 74—223)

1. In a chain drive of the character described, a pair of sprocket wheels and an idler sprocket, said sprockets being all in a common plane of rotation and spaced in alined relation, means supporting one of said sprocket wheels whereby the same may move between the other sprockets, a second idler sprocket disposed in said plane and adjacent to and laterally of the first idler sprocket, a sprocket chain having a run passing across the two idler sprockets and passing from one idler sprocket to and across opposite sides of the sprocket wheels whereby said wheels are oppositely rotated, movable supporting means for the two idler sprockets, and means common to said supporting means and said idler sprockets normally urging said movement of the idler

sprockets in a direction away from the sprocket



wheels to effect tensioning of the connecting chain.

2,185,080
RESINOUS PRODUCT AND METHOD OF MAKING THE SAME
Arthur Haroldson, Newark, Del., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
No Drawing. Application May 8, 1937, Serial No. 141,553
13 Claims. (Cl. 260—19)

1. The steps in the method of making a heat-convertible phenol-formaldehyde resin of the oil-soluble type which comprises adding a reaction product of a double bond of tung oil and the double bond of an unsaturated, aliphatic, dicarboxylic acid having a

$$-CO-\underset{|}{C}=\underset{|}{C}- \text{ group}$$

to at least one of the primary reactants of an oil-incompatible, heat-convertible phenol-formaldehyde resin, adding any other reactants necessary to form the resin, and reacting the components to form a potentially reactive oil-soluble resin.

3. A tung oil-phenol-formaldehyde resin capable of being converted by heat into an infusible, insoluble product comprising the reaction product of an oil-incompatible, heat-convertible, phenol-formaldehyde resin with a reaction product of a double bond of tung oil and a double bond of an unsaturated, aliphatic, dicarboxylic acid having a

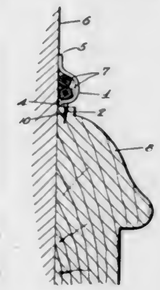
$$-CO-\underset{|}{C}=\underset{|}{C}- \text{ group}$$

there being present at the time of the conversion of said oil-incompatible resin into said tung oil-phenol-formaldehyde resin only said oil-incompatible resin and said tung oil-dicarboxylic acid reaction product as substantial reactants, said tung oil-phenol-formaldehyde resin yielding no separation of the oil during curing of the resin.

2,185,081
METHOD OF MAKING ALLOYS OF IRON AND STEEL
Casimir James Head, Montreal, Quebec, Canada, assignor to Metallurgical Development Company Limited, Montreal, Quebec, Canada, a corporation of Quebec, Canada
No Drawing. Application March 25, 1939, Serial No. 264,212
10 Claims. (Cl. 75—133)

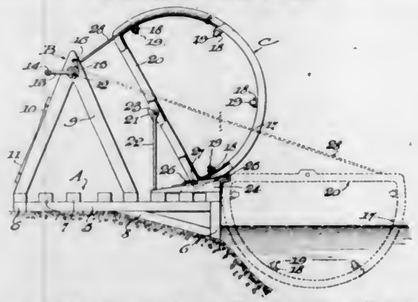
1. In a method of making alloys of iron and steel, including preparing a suitable bath of ferruginous molten metal, in any suitable type or kind of furnace supplying heat throughout the process, removing the oxidizing slag accumulated during the melting stage, and covering the metal bath with a fresh slag, composed of lime and fluorspar, to which a small quantity of ferro-silicon is added, the step of introducing on to the surface of the metal bath relatively heavy molded blocks containing one or more of the oxides of the alloying materials and a noncarbonaceous reducing agent, all in a comparatively fine state of division, being cemented together with the aid of slaked lime and water, and being of such density as to penetrate the slag and come into direct contact with the surface of the molten metal of the bath, such molded blocks, after being air dried, are sprayed over with a milk of lime wash and allowed to dry, are then heated up to a temperature in excess of 1650° F. for the purpose of freeing them from any combined water formed by the chemical reaction upon air drying of the pugged mass of ore and lime.

2,185,082
CLIP PIN
Herbert C. Hooks, Bellerose, N. Y., assignor to Moore Push-Pin Co., Philadelphia, Pa., a corporation of Pennsylvania
Application January 3, 1939, Serial No. 249,129
1 Claim. (Cl. 24—85)



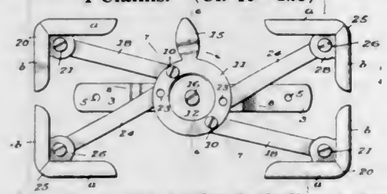
A cord-retaining clip of the character described, said clip comprising a body member adapted to seat against a wall or other flat surface and shaped with a transverse recess in the seating side thereof within which the said cord may be confined between the said body and the wall or other flat surface against which the body is seated, said body having lips at opposite sides of said recess presenting bearing surfaces lying in the same plane, said lips adapted to contact with wall or other flat surface and to form a stable support upon said wall or other flat surface for said body, an attenuated prong extending from said body in a direction at right angles to the transverse line of said recess, said prong paralleling and being offset rearwardly from the plane of the bearing surfaces of said lips, whereby when the body is seated against said wall or other flat surface the said prong will lie in parallel spaced relation to said wall or other flat surface, and said lips being smooth and free from acute edges so as to permit the body to slide against said wall or other flat surface without mutilating the latter, thereby permitting the use of said wall or other flat surface as a guide in directing the prong into penetrative engagement with an anchoring member outstanding from said wall or other flat surface.

2,185,083
BOAT LIFTING RACK
Gilbert L. Horton, Paynesville, Minn.
Application November 10, 1938, Serial No. 239,866
7 Claims. (Cl. 9—22)



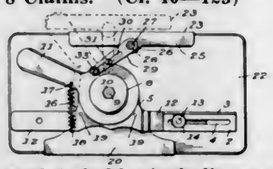
1. A boat dumping cradle structure for small boats including a mounting frame, a winch mounted on said frame, a boat-receiving cradle arcuate in vertical cross section and having one end of the arc directly and pivotally connected to said frame, said cradle being normally maintained in a position outboard of said frame, and means connecting the cradle and winch whereby the cradle can be swung from said normal position to a position overlying said mounting frame.

2,185,084
LICENSE PLATE HOLDER
George H. Hutaff, Jr., Wilmington, N. C.
Application March 2, 1939, Serial No. 259,476
4 Claims. (Cl. 40—125)



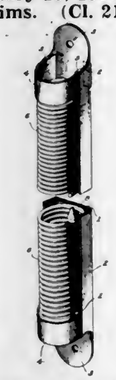
1. A license plate holder including a support, a plate rotatably mounted on the support, corner members adapted to engage the corners of the license plate, bars pivotally connected at one end to a corner member and at the opposite end to the rotatable plate, and means engageable for operating the rotatable plate to position the corner members in clamping or unclamping positions.

2,185,085
LICENSE PLATE HOLDER
George H. Hutaff, Jr., Wilmington, N. C.
Application March 2, 1939, Serial No. 259,477
8 Claims. (Cl. 40—125)



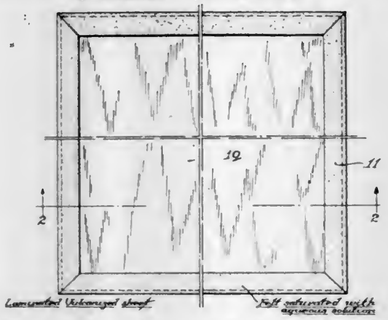
1. A license plate holder including a support, a channel member fixed to the support against movement relative thereto and adapted to engage one edge portion of the license plate, a plate carried by and rotatable relative to the support, a second channel member adapted to engage an opposite edge portion of the license plate, means connecting the second-mentioned channel member and rotatable plate, and a member engageable for rotating the plate to move the second-mentioned channel member relative to the first-mentioned channel member and to disengage the second-mentioned channel member from the edge of the license plate.

2,185,086
DISPLAY DEVICE
Albert W. Janke, Iowa Falls, Iowa, assignor to L. C. Perkins, Belmond, Iowa
Application February 18, 1939, Serial No. 257,190
2 Claims. (Cl. 211—89)



1. A display device comprising a relatively narrow elongated body in the form of a channel bar, a closely wound coil spring extending along the length of the channel bar and seated therein for disposal forwardly therefrom, substantially U-shaped members at the ends of the channel bar for enclosing the ends of the coiled spring, means formed on the U-shaped members and received between certain end convolutions of the spring for securing the latter with respect to the bar, the convolutions of the spring cooperating with each other to provide clamping means for articles to be displayed, and attaching means on the body for receiving suitable means for securing the device in use.

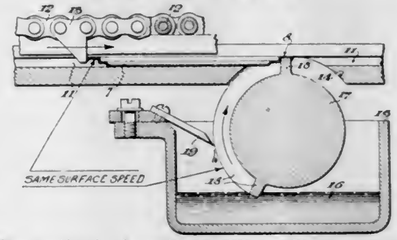
2,185,087
METHOD OF DRYING VULCANIZED FIBER SHEETS
Norman G. Jones, Bridgeport, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application June 27, 1938, Serial No. 216,187
9 Claims. (Cl. 34—24)



1. The method of preventing cracking and de-

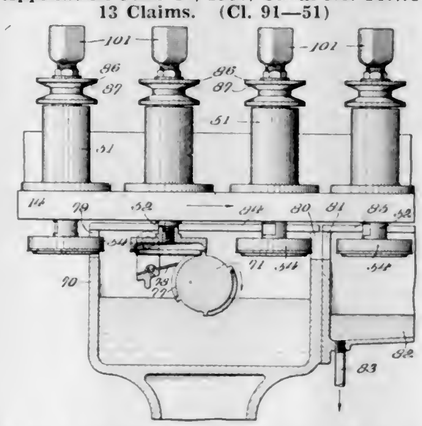
lamination of laminated vulcanized fiber sheets during drying thereof comprising preliminarily drying the interior of the sheet while concentrating an aqueous moistening agent at the side edges thereof.

2,185,088
METHOD OF COATING SHEET METAL CAN ENDS
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 7, 1936, Serial No. 109,765
1 Claim. (Cl. 113—80)



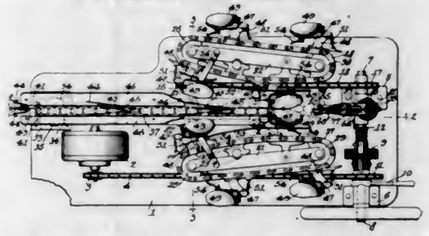
The method of coating with sealing compound can ends having a channel at the peripheral edge thereof which is irregular in contour relative to the center of the can end, consisting in moving the can end during coating in a path lying in a plane parallel with and above the surface of a sealing compound coating bath, causing an applicator located between the bath and the can end and having a radially projecting coating rib on the surface thereof conforming in shape to the channel in the can end, to rotate about an axis parallel to said plane and at right angles to the direction of travel of the end, said applicator being disposed and timed so that the coating rib makes rolling contact with the surface within the channel of the can end to be coated, and also makes contact with the bath whereby sealing compound is lifted from the bath and applied within the channel of the can end.

2,185,089
MACHINE FOR COATING CAN ENDS
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 11, 1937, Serial No. 147,781
13 Claims. (Cl. 91—51)



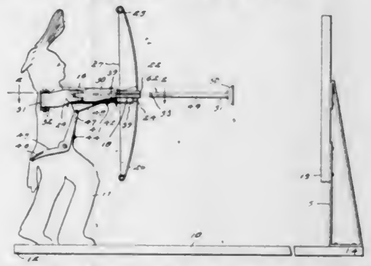
1. In a machine for coating can ends, a series of spinner heads on which the can ends are individually carried, said heads being bodily movable continuously in a predetermined orbit, means rotatable about an axis substantially at right angles to the direction of bodily travel of the spinning heads for contacting with and coating each can end so carried without interrupting its travel, and independently driven means for spinning the heads carrying the can ends after the latter are coated, to remove excess liquid therefrom.

2,185,090
PEACH PITTING MACHINE
Lincoln H. Millen, Modesto, Calif.
Application March 23, 1938, Serial No. 197,712
3 Claims. (Cl. 146—28)



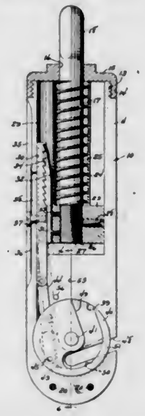
1. In a peach pitting machine, a base, a peach splitting mechanism mounted on the base, upright driven shafts journaled on the base, second upright shafts carried by the base, first sprocket wheels secured to the driven shafts, second sprocket wheels carried by the second shafts, sprocket chains engaged with the first and second sprocket wheels, carrier arms mounted terminally on the driven and second shafts and disposed, each, within one of the sprocket chains, guide rails disposed between the inner runs of the sprocket chains and converging toward the peach splitting mechanism, cooperating peach holding cups pivoted to the chains and provided with fingers which ride along the outer surfaces of the rails and contrain the cups to grip a peach and move it toward the peach splitting mechanism, and spring means connected with the cups to maintain the fingers engaged with the outer surfaces of the rails.

2,185,091
TOY ARCHER
Dominick N. Orlando and James W. Huber, Erie, Pa.
Application June 21, 1939, Serial No. 280,410
7 Claims. (Cl. 46—145)



3. A device comprising a supporting manikin formed with a forwardly extending arm portion, a slotted tube mounted in appressed relation to the inner side of the said arm portion, a bow attached to the free end of the said arm portion and with the bow string frictionally engaging the tube transversely of the said slot, a pair of links comprising an arm pivotally connected and connected to the said manikin, an arrow received in the tube and having a lateral shank adapted to ride in the said slot and to engage the bow string, a catch comprising an apertured cupular member having a spring arm connected to the free end of the said links, said apertured member being adapted to engage the lateral shank of the arrow, and actuating means to move the free end of the pivoted links toward the manikin to draw the said bow.

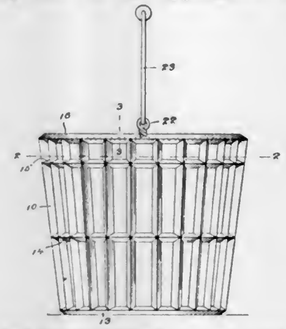
2,185,092
SAFETY HOOK
John H. Priest, Electra, Tex., assignor to A. E. Rapp, Wichita County, Tex.
Application August 1, 1938, Serial No. 222,555
1 Claim. (Cl. 294—83)



A safety lowering device comprising a tubular housing having a hook at one end, a lock element mounted for rotation on said hook for latching a bail to the hook, a line connecting means slidably mounted inside the tubular body and having a connecting eye positioned exteriorly of the body, a rack slidably related to the tubular body inside the same, said tubular body having a slot, a pin fixedly connected with said rack and extending through said slot to limit the longitudinal movement of the rack, said pin having a head, a resilient sealing strip having an opening for the reception of said pin and lying between the head thereof and an exterior face of said tubular body, a link means connecting one end of the rack with said lock element for rotating the latter step by step to a releasing position with respect to said hook, and resilient means cooperable on said rack and the line connecting means for moving the lock element step by step to its unlatching position.

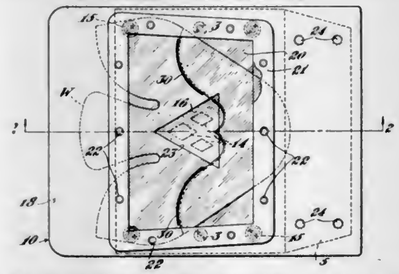
2,185,093
RUBBER BASKET
Walter C. Reynolds, Gering, Nebr., and William H. Jordan, Denver, Colo.
Application June 6, 1939, Serial No. 277,694
2 Claims. (Cl. 150—48)

2. A rubber basket comprising rubber staves of triangular formation in cross section arranged with their bases facing inwardly, twisted fabric strands disposed axially in the staves to reinforce the staves against bulging, rubber spacing rings disposed transversely of the staves and connecting the staves together in proper spaced relation, said rings being of substantially triangular cross section with their bases facing inwardly toward the axis of the basket, a metal ring forming a reinforcing core for the uppermost rubber ring,



eyes carried by said metal ring, and a bail connected to said eyes.

2,185,094
DIE
Arthur F. Randall, Boston, Mass., assignor of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York
Application July 26, 1938, Serial No. 221,306
9 Claims. (Cl. 164—93)

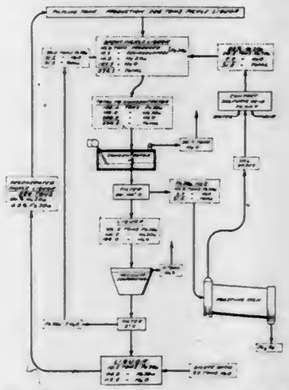


1. A die of the class described having operating instrumentalities and clamping means for holding a shoe upper section or the like flatwise in position relative to said operating instrumentalities while being operated upon by the latter, said clamping means including a substantially flat work-engaging piece of transparent material having means defining a gauge for positioning said shoe upper section relative to said operating instrumentalities, and a resilient stripper element for supporting said upper section.

2,185,095
REGENERATION OF WASTE FERROUS SULPHATE LIQUOR
Rowland P. Smith, Stamford, and John Belding, Old Greenwich, Conn., assignors to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application October 29, 1938, Serial No. 237,617
17 Claims. (Cl. 23—126)

2. In a method of regenerating spent ferrous sulphate liquors from the sulphuric acid treatment of ferrous material and recovering ferrous sulphate monohydrate therefrom the combination of steps which comprises first mixing with the spent liquor an amount of sulphuric acid sufficient to restore it to its original free acid content and a quantity of ferrous sulphate heptahydrate which would be just sufficient to main-

tain a saturated solution in the subsequent filtration step if no other iron were present, evaporating water from the resulting solution and then filtering off at temperatures above 65° C. an amount of ferrous sulphate monohydrate chemically equivalent to the amount of acid added.

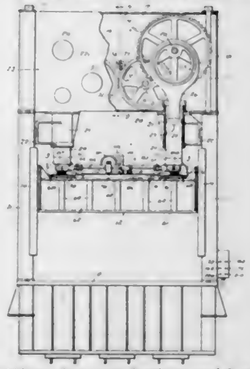


5. In a method of regenerating ferrous sulphate liquors from the sulphuric acid treatment of ferrous material the combination of steps which comprises first adding sulphuric acid to the spent liquor and also adding ferrous sulphate heptahydrate thereto in amounts which would be just sufficient to maintain a saturated solution in the subsequent filtration step if no other iron were present, evaporating water from the resulting solution and then filtering off at temperatures above 65° C. an amount of ferrous sulphate monohydrate equivalent to the amount produced in the sulphuric acid treatment of the ferrous material, recovering the sulphur content of the ferrous sulphate monohydrate as sulphuric acid, and returning at least a part of this acid to the spent liquor.

13. A method of regenerating spent pickle liquor which comprises the successive steps of (1) mixing with the spent pickle liquor an amount of sulphuric acid sufficient to restore it to its original free acid content and the quantity of ferrous sulphate heptahydrate produced in step (5), (2) evaporating water from the resulting solution and filtering off at temperatures above 64° C. an amount of ferrous sulphate monohydrate chemically equivalent to the amount of acid added, (3) recovering the sulphur content of the ferrous sulphate monohydrate as sulphuric acid and returning the acid to step (1), (4) applying a vacuum to the filtrate and thereby cooling and concentrating it to the point where the amount of ferrous sulphate heptahydrate will crystallize out that would be needed to maintain a saturated solution in the filtration of step (2) if no other iron were present, (5) separating the ferrous sulphate heptahydrate and returning it to step (1), and returning the resulting solution to the pickling plant for reuse.

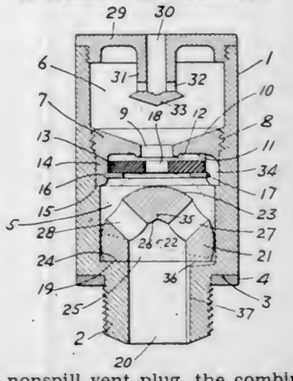
2,185,096
PRESS
Ross B. Treer, Lakewood, Ohio, assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio, a corporation of Ohio
Application June 26, 1937, Serial No. 150,651
11 Claims. (Cl. 113—38)

1. In a press, in combination, a reciprocable slide, slide reciprocating means having an expansible element connected to said slide, motor operated means for adjusting said expansible element, motor operated means for clamping the same against adjustment, and means responsive to operation of the last mentioned means to un-



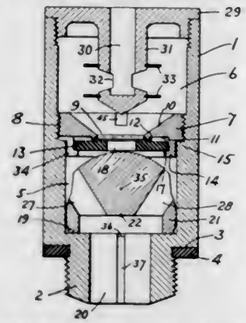
clamping position for rendering said slide reciprocating means inoperable and responsive to operation thereof to clamping position for rendering said slide reciprocating means operable.

2,185,097
NONSPILL VENT PLUG
Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application July 14, 1937, Serial No. 153,511
12 Claims. (Cl. 251—147)



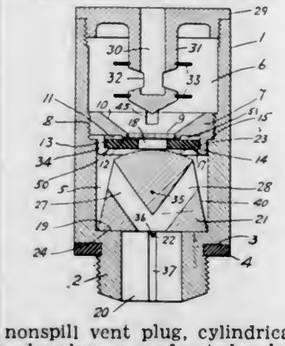
1. In a nonspill vent plug, the combination of walls defining a hollow cylindrical chamber closed above by a member having an axial orifice, a pliable, centrally located and perforated valve seat supported below the orifice, an internal annular shoulder at the bottom of the chamber, and a segmental spherical valve member in the chamber bounded by a spherical surface greater than a hemisphere and an approximately plane surface and adapted normally to rest with its approximately plane surface supported on the shoulder and its spherical surface confronting but spaced away from the valve seat, said valve member having its center of gravity axially displaced an appreciable distance above the center of its spherical surface adapted upon tilting of the plug less than 90° to travel axially with its spherical surface rolling on the cylindrical wall of the chamber to close the perforation and orifice.

2,185,098
NONSPILL VENT PLUG
Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application January 3, 1938, Serial No. 183,016
6 Claims. (Cl. 251—147)



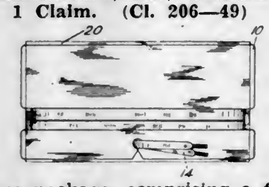
1. In a nonspill vent plug, a cylindrical wall defining a chamber, a pliable valve seat having an orifice and supported above the chamber, an internal supporting ledge at the bottom of the chamber, and a perforated valve member bounded by a substantially flat surface and two concentric spherical surfaces having radii of different lengths of which the lesser is only slightly less than that of the cylindrical wall, thereby preventing lateral displacement, said valve member normally resting with its flat surface on the supporting ledge and adapted when the vent plug is tilted to roll on its spherical surface of lesser radius along the cylindrical wall to bring its spherical surface of greater radius against the valve seat to close the orifice.

2,185,099
NONSPILL VENT PLUG
Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application February 9, 1938, Serial No. 189,549
1 Claim. (Cl. 251—147)



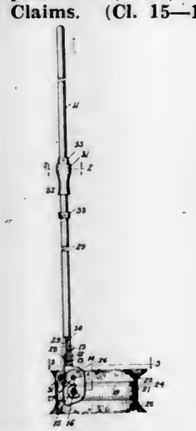
In a nonspill vent plug, cylindrical walls defining a chamber, a perforated valve seat supported above the chamber, an inwardly projecting support at the bottom of the chamber and a valve member bounded by a flattened base normally resting on the support and whose periphery closely fits the internal cylindrical wall of the chamber, and by an upper spherical surface confronting the perforation in the valve seat, the center of said spherical surface lying in the axis of the valve member closely adjacent to the plane of the periphery of the flattened base, and by a conically shaped annular surface between the spherical surface and the base, said valve member adapted upon tilting of the plug in any direction through a sufficient angle from the vertical to rock about the point of contact between the periphery of the base and the cylindrical wall of the chamber to cause the center of the spherical surface to travel substantially in the axis of the cylindrical wall to bring said spherical surface in contact simultaneously with all points in the periphery of the perforation of the valve seat.

2,185,100
SHOELACE PACKAGE
Clarence P. Berolzheimer, Chicago Heights, Ill., assignor to Diamond Braiding Mills, Chicago Heights, Ill., a corporation of Illinois
Application March 1, 1937, Serial No. 128,443
1 Claim. (Cl. 206—49)



A shoelace package, comprising a foundation card, means in the ends of the card to prevent lateral displacement of the laces, a pair of shoelaces wound around the card, and means for assembling and retaining the free ends of both shoelaces in locked position on the card, said means comprising a slotted notch in the card and cut into one side edge thereof, said slotted notch comprising an opening and a groove in the side of the card terminating in the opening so as to provide entry thereto.

2,185,101
MOP SHAKING DEVICE
Jules J. Brell, New York, N. Y., assignor, by direct and mesne assignments, to O-Cedar Corp'n, Chicago, Ill., a corporation of Illinois
Application September 22, 1936, Serial No. 101,915
4 Claims. (Cl. 15—147)



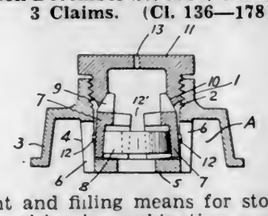
1. A mop-shaking device comprising, a mop stick, a housing attached to one end of the same, a shaft rotatably mounted in said housing and

having its ends projecting outside of the housing for connection to mop frames, an actuating member movable on the stick, means in the housing for communicating the movements of the actuating member to the shaft to thereby oscillate said shaft, the shaft being provided with holes at its ends, mop frames having superimposed vertically spaced leg portions formed with ends directed toward one another, said ends entering the holes in the shaft and attaching the frames to said shaft.

2,185,102
VENT AND FILLING MEANS FOR STORAGE BATTERY CELLS

Ernest Graf, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application December 20, 1937, Serial No. 180,682
3 Claims. (Cl. 136—178)



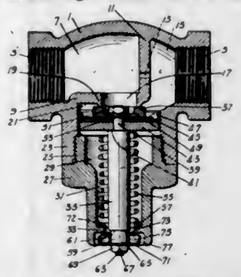
1. Vent and filling means for storage battery cells comprising in combination, a vent plug, an internally threaded tubular neck extending inwardly through the cover of the cell to the normal level of the electrolyte and having an inturned support, said inwardly extending neck having through its curved wall openings communicating with the interior of said cell at a point beneath the cover and outside said neck and communicating with the exterior of said cell and which should be closed when the cell is being filled and open at other times, closures for said openings comprising spaced tubular segments conforming to the curved face of the inner wall of the inwardly extending neck, and movably supported by said support, and a resilient member arranged inside said segments and adapted to bias them into position for closing said openings, said segments provided with arms extending into the range of the vent plug of the cell, there being a beveled surface provided between the plug and the arms whereby the segments are positioned to uncover the openings when the plug is in closing position in the neck.

2,185,103
FLUID PRESSURE OPERATED APPARATUS AND FLUID CONTROL VALVE THEREFOR

Henry Ernest Heigis, West Orange, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York

Application February 25, 1936, Serial No. 65,551
Renewed February 1, 1939
6 Claims. (Cl. 169—11)

2. In a fire extinguishing apparatus comprising a container of fire extinguishing fluid under pressure, a discharge conduit for said fluid when it is released from said container, a fluid pressure operated mechanism for releasing said fluid from said container, an operating fluid container likewise containing a fire extinguishing fluid under pressure, means to release said operating fluid from its container, and means to conduct said operating fluid to operate said fluid pressure operated mechanism comprising said discharge conduit, the combination of fluid restraining means in said discharge conduit beyond said containers to prevent discharge of fluid from the discharge conduit until the fluid therein has attained a predetermined pressure sufficient to operate said fluid pressure operated mechanism, said last named means being adapted upon operation thereof to discharge fluid from the discharge

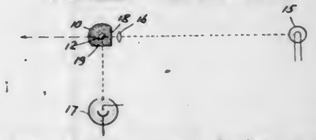


conduit until the pressure therein has fallen a predetermined amount below said first named predetermined pressure, and means constituting a continuous relatively restricted vent past said fluid restraining means.

2,185,104
TEMPERATURE CONTROL APPARATUS

Harry Heller, Ardmore, Pa., assignor to Sun Oil Company, a corporation of New Jersey

Application July 27, 1939, Serial No. 286,753
2 Claims. (Cl. 250—41.5)

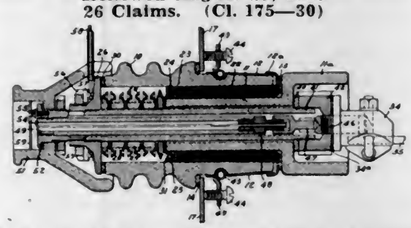


2. A temperature control device comprising a light source, a thermometer tube having a bore therein, and a photoelectric cell, the bore of said tube having a light reflecting surface, and said light source and photoelectric cell being so located that when said tube does not have liquid therein at a point on which a beam from the light source is directed, total reflection of the beam upon the photoelectric cell occurs, said thermometer tube containing a liquid having a refractive index substantially that of the glass of which the tube is formed.

2,185,105
ELECTRICAL APPARATUS

Leland H. Hill, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application August 15, 1932, Serial No. 628,876
Renewed August 29, 1938
26 Claims. (Cl. 175—30)



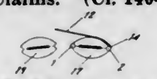
1. A protective device having terminals mounted thereon and comprising an insulating bushing, a lightning arrester carried by said bushing and having one end thereof connected with one of said terminals, and means for connecting and disconnecting said terminals, said means including cooperating movable and stationary switch contacts and a fusible conductor all carried by said bushing.

17. In combination, a casing of electrically conductive material having an aperture therein, an insulating bushing having an aperture forming a chamber, a member of electrically conductive material conductively connected to said casing and affixed to said bushing and detachably supporting said bushing in the first said aperture, a line conductor detachably supported on said bushing, an apparatus lead conductor extending through said first said aperture into said chamber and detachably connected with said line conductor, surge diverting means disposed within said chamber and connected between said member and said conductors, and means sealing the interior of said casing from said surge diverting means.

2,185,106
METHOD OF MANUFACTURING GRID ELECTRODES

Walter L. Krahl, Swampscott, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application September 9, 1937, Serial No. 163,001
13 Claims. (Cl. 140—71)

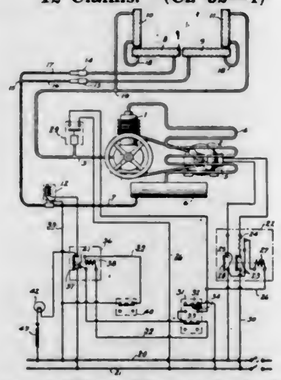


1. The method of forming a grid electrode for an electric discharge tube which comprises supporting a pair of grid side rods on a mandrel, fastening simultaneously a plurality of grid strands to one of the side rods, conforming the fastened strands around one side of the mandrel, fastening said strands to the other side rod, rotating the mandrel with the fastened strands, and then fastening said strands to the first-mentioned side rod.

2,185,107
REFRIGERATION CONTROL

Frederick P. Peiserich, Bettendorf, and Carl F. Bielenberg, Davenport, Iowa, assignors to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware

Application February 8, 1937, Serial No. 124,536
12 Claims. (Cl. 62—4)

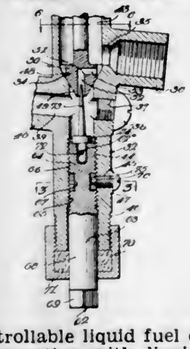


10. In a refrigerating system for chilling wrapped articles, a plurality of bottom refrigerating members and a plurality of side refrigerating members, a refrigerant compressor, an electric motor for actuating said compressor, a condenser, a refrigerant reservoir, refrigerant conduits arranged so that refrigerant may be circulated through said system, and means for controlling the said circulation including valve operating means, a remote manually operable switch, a magnetic valve for controlling the admission of compressed refrigerant to the refrigerating members, said valve operating means being responsive to said remote manually operable switch, expansion valves positioned in the system between the magnetic valve and the refrigerating members for admitting refrigerant to the members, a magnetic switch in the electric motor power circuit for stopping and starting said motor, and a switch responsive to the pressure of the refrigerant on the suction side of the compressor, said pressure responsive switch arranged to energize the magnetic switch and close the motor circuit when the pressure in the refrigerating members exceeds a predetermined range and open the motor circuit when the pressure falls below said range, and a manually operable switch arranged to simultaneously energize the magnetic switch to close the motor circuit and to energize the magnetic valve to admit refrigerant to the refrigerating members.

2,185,108
OUTLET CONTROL VALVE

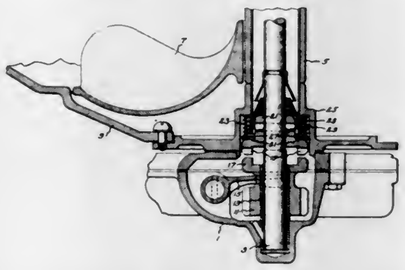
George W. Whitehurst, Portsmouth, Va.

Original application September 13, 1937, Serial No. 163,710. Divided and this application May 24, 1938, Serial No. 209,814
3 Claims. (Cl. 277—57)



1. In a controllable liquid fuel outlet structure for use in connection with liquid fuel burners, an upstanding tubular housing provided on its inner face intermediate its ends with a tapered valve seat, said housing being formed with a fuel intake in proximity to the bottom of said seat, a fuel outlet in proximity to the top of said seat and internal threads below said seat, a peripherally fluted tapered controllable liquid fuel outlet controlling valve for high fires within the housing above and for correlation with said seat, said valve being formed with a port having a vertical and a horizontal leg for the passage of fuel for low fires when the valve is seated, a vertically adjustable, upstanding, revoluble regulating means within and threadedly engaging directly with the housing and positioned below said seat for correlation with the valve port to control the supply of fuel for low fires when the valve is seated, said means being formed at its upper portion with a pair of spaced peripheral groups of threads separated by an endless groove, said means including a loosely mounted needle valve at its upper end for correlation with the vertical leg of said port, and a stop carried by the housing and engaging in and coacting with the walls of said groove for limiting the extent of movement of the said means in opposite directions lengthwise of said housing.

2,185,109
WASHING MACHINE
George A. Williams, Rugby, and Howard Brecknock, Long Eaton, England, assignors to General Electric Company, a corporation of New York
Application September 7, 1937, Serial No. 162,796
In Great Britain September 18, 1936
2 Claims. (Cl. 188—83)



1. In a washing machine, an agitator shaft, a vaned agitator mounted thereon, a driving connection between the shaft and agitator, mechanism for oscillating the shaft, and friction means acting on the shaft offering frictional resistance to the oscillation of the shaft of sufficient magnitude to prevent overtravel of the shaft relative to the oscillating mechanism under the surging of the liquid and clothes against the agitator.

2,185,110
ZEIN SOLUTION AND COATING COMPOSITION
Roy E. Coleman, Chicago, Ill., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application September 21, 1939, Serial No. 295,919
18 Claims. (Cl. 134—12)

11. A substantially non-aqueous liquid coating composition comprising zein and a substantially anhydrous solvent for the zein having a proportion of polar to non-polar radicals which lies within a range extending between the limits of the proportion of polar to non-polar radicals of methanol and the proportion of polar to non-polar radicals of ethanol, said solvent and said composition containing not in excess of 5% of added water, and said composition being stable against separation of the zein at temperatures of 70° F. and being relatively non-gelling.

2,185,111
ZEIN SOLUTION AND COATING COMPOSITION
Roy E. Coleman, Chicago, Ill., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Original application September 21, 1939, Serial No. 295,919. Divided and this application October 11, 1939, Serial No. 298,985
7 Claims. (Cl. 134—12)

1. A substantially non-aqueous liquid coating composition comprising a solution of zein in a substantially anhydrous mixture of solvents comprising an organic compound having a proportion of polar to non-polar radicals which lies within a range extending between the limits of the proportion of polar to non-polar radicals of methanol and the proportion of polar to non-polar radicals of ethanol and a glycol ether, said solvents and said composition containing not in excess of 5% of added water, and said composition being stable against separation of the zein at temperatures of 70° F. and being relatively non-gelling.

2,185,112
ZEIN SOLUTION AND COATING COMPOSITION
Roy E. Coleman, Chicago, Ill., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Original application September 21, 1939, Serial No. 295,919. Divided and this application October 11, 1939, Serial No. 298,986
8 Claims. (Cl. 134—12)

1. A substantially non-aqueous liquid coating composition comprising a solution of zein in a substantially anhydrous mixture of solvents comprising an organic compound having a proportion of polar to non-polar radicals which lies within a range extending between the limits of the proportion of polar to non-polar radicals of methanol and the proportion of polar to non-polar radicals of ethanol and an organic compound having a proportion of polar to non-polar radicals which is greater than the proportion of polar to non-polar radicals of methanol, said solvents and said composition containing not in excess of 5% of added water, and said composition being stable against separation of the zein at temperatures of 70° F. and being relatively non-gelling.

2,185,113
ZEIN SOLUTION AND COATING COMPOSITION
Roy E. Coleman, Chicago, Ill., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Original application September 21, 1939, Serial No. 295,919. Divided and this application October 11, 1939, Serial No. 298,987
8 Claims. (Cl. 134—12)

1. A substantially non-aqueous liquid coating composition comprising a solution of zein in a substantially anhydrous mixture of solvents comprising a plurality of organic compounds each having a proportion of polar to non-polar radicals which lies within a range extending between the limits of the proportion of polar to non-polar radicals of methanol and the proportion of polar to non-polar radicals of ethanol, said solvents and said composition containing less than 5% of added water, and said composition being stable against separation of the zein at temperatures of 70° F. and being substantially non-gelling.

2,185,114
ZEIN SOLUTION AND COATING COMPOSITION
Roy E. Coleman, Chicago, Ill., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Original application September 21, 1939, Serial No. 295,919. Divided and this application October 11, 1939, Serial No. 298,988
7 Claims. (Cl. 134—12)

1. A substantially non-aqueous liquid coating composition comprising a solution of zein in a substantially anhydrous mixture of solvents comprising an organic compound having a proportion of polar to non-polar radicals which is greater than the proportion of polar to non-polar radicals of ethanol and an organic compound having a proportion of polar to non-polar radicals which is less than the proportion of polar to non-polar radicals of ethanol, said solvents and said composition containing not in excess of 5% of added water, and said composition being stable against separation of the zein at temperatures of 70° F. and being relatively non-gelling.

2,185,115
ZEIN SOLUTION AND COATING COMPOSITION
Roy E. Coleman, Chicago, Ill., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Original application September 21, 1939, Serial No. 295,919. Divided and this application October 11, 1939, Serial No. 298,989
11 Claims. (Cl. 134—12)

1. A substantially non-aqueous liquid coating composition comprising a solution of zein in an anhydrous mixture of solvents comprising an organic compound having a proportion of polar to non-polar radicals which is greater than the proportion of polar to non-polar radicals of ethanol and an aliphatic alcohol having from 2 to 4 carbon atoms, said composition containing less than 5% of added water, and being stable against separation of the zein at temperatures of 70° F. and being relatively non-gelling.

2,185,116
ZEIN SOLUTION AND COATING COMPOSITION
Roy E. Coleman, Chicago, Ill., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Original application September 21, 1939, Serial No. 295,919. Divided and this application October 11, 1939, Serial No. 298,990
8 Claims. (Cl. 134—12)

1. A substantially non-aqueous liquid coating composition comprising a solution of zein in a substantially non-aqueous mixture of solvents containing not in excess of 5% of added water comprising an organic compound having a proportion of polar to non-polar radicals which is greater than the proportion of polar to non-polar radicals of ethanol and an aliphatic alcohol having from 2 to 4 carbon atoms, said composition containing not in excess of 5% of added water and being stable against separation of the zein at temperatures of 70° F. and being relatively non-gelling.

2,185,117
ZEIN SOLUTION AND COATING COMPOSITION
Roy E. Coleman, Chicago, Ill., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Original application September 21, 1939, Serial No. 295,919. Divided and this application October 11, 1939, Serial No. 298,991
9 Claims. (Cl. 134—12)

1. A substantially non-aqueous liquid coating composition comprising 1 part by weight of zein and at least about 2 parts by weight of an alcohol ether solvent for the zein, said solvent and said composition containing not in excess of about 5% of added water and said composition being stable against separation of the zein at temperatures of 70° F.

2,185,118
SUBSTANTIALLY NONGELLING ZEIN COATING COMPOSITION
Roy E. Coleman, Meriden, Conn., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application January 28, 1938, Serial No. 187,559
11 Claims. (Cl. 134—12)

1. A substantially non-aqueous coating composition comprising a substantially non-aqueous solution of zein comprising about 1 part by weight of zein and at least about 3 parts by weight of diethylene glycol containing not in excess of 5% of water which is stable as regards separation at temperatures of 70° F. and which is substantially nongelling, said composition containing not in excess of about 5% of added water.

2,185,119
SUBSTANTIALLY NONGELLING COATING COMPOSITION OF ZEIN IN CLOSED-CHAIN ALCOHOLS
Roy E. Coleman, Meriden, Conn., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application January 28, 1938, Serial No. 187,560
14 Claims. (Cl. 134—12)

1. A substantially non-aqueous coating composition comprising a substantially non-aqueous solution of a prolamin comprising about 1 part by weight of the prolamin and at least about 3 parts by weight of a solvent comprising a direct relatively high-boiling closed-chain alcohol solvent having a boiling point in the order of about at least 311° F. which is stable as regards separation at temperatures of 70° F. and which is substantially nongelling, said alcohol containing not in excess of 5% of water and said composition containing not in excess of about 5% of added water.

2,185,120
SUBSTANTIALLY NONGELLING COATING COMPOSITION OF ZEIN IN DIACETONE ALCOHOL
Roy E. Coleman, Meriden, Conn., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Original application January 28, 1938, Serial No. 187,559. Divided and this application February 1, 1938, Serial No. 188,182
7 Claims. (Cl. 134—12)

1. A substantially non-aqueous coating composition comprising a substantially non-aqueous solution of a prolamin comprising about 1 part by weight of the prolamin and at least about 3 parts by weight of a direct relatively high-boiling diacetone alcohol solvent which is stable as regards separation at temperatures of 70° F. and which is substantially nongelling, said solvent containing not in excess of 5% of water and said composition containing not in excess of 5% of added water.

2,185,121
HEAT HARDENING COATING COMPOSITION
Roy E. Coleman, Meriden, Conn., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application November 30, 1937, Serial No. 177,302
11 Claims. (Cl. 260—6)

1. A heat-hardening, liquid coating composition comprising a solution of a prolamin and a water-insoluble carbamid-aldehyde resin dispersed uniformly therein, said solution comprising a prolamin and a substantially neutral, hy-

droxy organic solvent for the prolamin containing not in excess of 5% of water, said composition being characterized by being stable against separation of the prolamin at temperatures of 70° F. and being relatively non-gelling.

2,185,122
ZEIN CONTAINING COATING COMPOSITIONS
Roy E. Coleman, Meriden, Conn., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application July 18, 1938, Serial No. 219,825
19 Claims. (Cl. 260—6)

1. A coating composition comprising a solution of a prolamin in a solvent including a substantially neutral, hydroxy organic prolamin solvent and a partially reacted resinous polyhydric alcohol-organic acid ester which is stable as regards separation at temperatures of 70° F., said solvent for the prolamin containing not in excess of 5% of water.

2,185,123
PROCESS OF PRODUCING STABLE ZEIN SOLUTIONS WITH AUXILIARY SOLVENTS
Roy E. Coleman, Meriden, Conn., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application August 9, 1937, Serial No. 158,210
16 Claims. (Cl. 134—12)

1. The method of producing substantially non-aqueous stable solutions of zein in alcohol in which the concentration of zein in alcohol is in the order of 1 part by weight of the zein to a minimum of over 3 and about 4 parts by weight of alcohol, which comprises mixing the zein with a solvent mixture containing 95% alcohol and stabilizing amounts of an auxiliary solvent selected from the class consisting of substantially non-aqueous, alcoholic compatible lacquer solvents and lacquer plasticizers, thereby producing a substantially non-aqueous solution of zein which is stable against separation of the zein at temperatures of 70° F.

2,185,124
COATING COMPOSITION
Roy E. Coleman, Meriden, Conn., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application August 9, 1937, Serial No. 158,215
2 Claims. (Cl. 134—12)

1. A substantially non-aqueous liquid coating composition comprising a substantially non-aqueous solution of zein in 95% alcohol wherein the concentration of zein in alcohol varies from about 1 part by weight of zein to 2 to 3 parts by weight of the alcohol, said composition containing not in excess of about 5% of added water and being stable against separation of the zein at temperatures of 70° F.

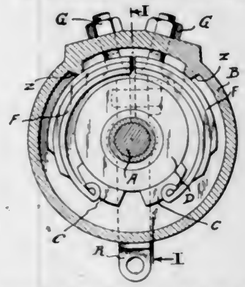
2,185,125
METHOD OF COATING PRINTED SURFACES AND ARTICLE FORMED THEREBY
Roy E. Coleman, Meriden, Conn., assignor to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application November 22, 1937, Serial No. 175,888
10 Claims. (Cl. 91—67.9)

1. The method of protecting a printed surface which comprises coating the printed surface with a zein varnish capable of drying to a hard, transparent film, said varnish containing not in excess of 5% of water.

2,185,126
COATED ARTICLE AND METHOD OF FORMING THE SAME
Roy E. Coleman, Chicago, Ill., assignor, by mesne assignments, to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application November 22, 1937, Serial No. 175,889. Renewed August 19, 1939
9 Claims. (Cl. 91—68)

1. As an article of manufacture, paper carrying a plurality of coating layers, one of which is a priming coating formed from a liquid zein composition having from 0 to 5% of added water, said composition being stable against separation of the zein at temperatures of 70° F.

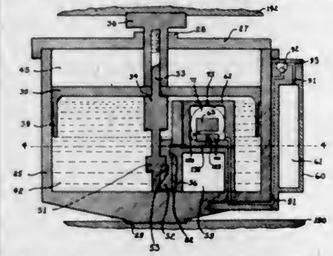
2,185,127
SHOCK ABSORBER
Alfonso Gacioppo, Tucuman, Argentina
Application May 17, 1938, Serial No. 208,460
In Argentina August 12, 1937
2 Claims. (Cl. 267—9)



1. In a shock absorber, a casing, a shaft adapted to be rotated within the casing, an arcuate-shaped member movable within the casing and secured to the shaft, said member having a peripheral surface eccentrically arranged with respect to the axis of the shaft, a fixed abutment projecting inwardly from the casing, a leaf-spring engaging said abutment, a brake shoe carried by the leaf-spring adjacent one end thereof and engaging the periphery of said member, and adjustable means associated with the opposite end of said leaf-spring for urging said brake shoe against the periphery of said member.

2,185,128
PNEUMATIC SPRING SYSTEM
Julian E. Johnson, Chicago, Ill.
Application September 21, 1936, Serial No. 101,767
21 Claims. (Cl. 267—64)

1. Pneumatic spring means adapted to give resilient support to a load and including cylinder means, piston means slidable therein, pressure chamber means adjacent said piston means, and auxiliary chamber means communicating with said pressure chamber means through restricted passage means so that the two said chamber means will have equal pressures when said load is static and unequal pressures when oscillation of said load causes said piston means to alter the volume of said pressure chamber means, passage means through which compressed fluid may be admitted to or exhausted from said pressure chamber means, valve means operable by variations in the level of said piston means when statically loaded, said valve means controlling said passage means so that the compressed fluid in said pressure chamber means will be adapted to support the static load on said piston means at the level best suited to spring action, and

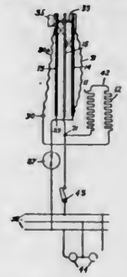


additional valve means controlling said passage means and being normally open when the pressures in the two said communicating chamber means are equal, and adapted to close and prevent flow of fluid through said passage means when the pressures in the two said communicating chamber means are unequal.

2,185,129
PROCESS FOR DEHYDRATING COMMINUTED POTATOES AND ROOT CROPS
Karl Maus, Berlin, Germany
No Drawing. Application June 3, 1938, Serial No. 211,689. In Germany February 7, 1935
6 Claims. (Cl. 99—207)

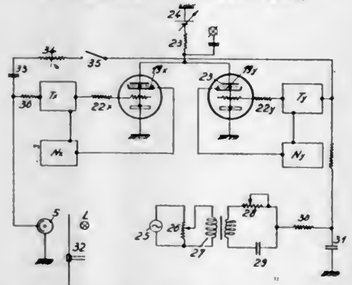
1. A process for preparing dehydrated comminuted root crops comprising comminuting the root crop material, forming a plurality of layers of the comminuted material in superimposed relation, sprinkling on the surface of each layer a quantity of ground edible adsorbent material having an emulgent action, the quantity being from 5 to 7% of the material of the layer and finally pressing the composite layers to remove water therefrom.

2,185,130
APPARATUS FOR STARTING ELECTRIC MOTORS
Wayne J. Morrill and Edward J. Schaefer, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application December 21, 1937, Serial No. 181,016
11 Claims. (Cl. 172—289)



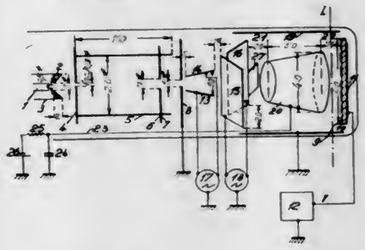
11. A motor starting device comprising a current limiting resistance for connection in the circuit of a motor, said resistance being of such value as to limit the current in the motor circuit to a value less than required for the starting of the motor under normal load, a motor current bimetallic thermostat, connections for heating said motor current thermostat in accordance with the motor current, an ambient temperature bimetallic thermostat, means supporting one end of each of said thermostats so that the other ends of said thermostats move in unison in response to the same temperature change, a flexible arm, contact means carried on said arm, a first contact on said ambient thermostat arranged to be engaged by said contact means when said arm is flexed toward said ambient thermostat, a stop member carried by said ambient thermostat for limiting the movement of said arm away from said ambient thermostat, said arm normally engaging said stop, a second contact carried by said motor current thermostat arranged to engage said contact means upon distortion of said motor current thermostat in response to an increase in temperature, an armature carried by said motor current thermostat, a magnet carried by said stop member normally engaging said armature and providing for snap movement of said motor current thermostat to bring said second contact into engagement with said contact means, and connecting means for connecting said resistance in a motor circuit in series with said motor current thermostat and for connecting said arm to the motor to provide for the short circuiting of said resistor through said arm upon engagement of said second contact with said contact means upon distortion of said motor current thermostat, and connections for connecting said first contact to the motor for the short circuiting of said resistance and said motor current thermostat through said arm upon continued distortion of said motor current thermostat to bring said contact means into engagement with said first contact.

2,185,131
IMPULSE GENERATOR
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application July 23, 1936, Serial No. 92,154
In Germany July 29, 1935
3 Claims. (Cl. 178—69.5)



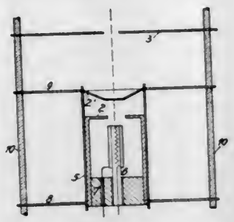
3. In a television transmitter comprising a light-chopper driven by a synchronous motor fed by the mains, a photo-cell actuated by said light-chopper and producing a control frequency equal to the double of the line frequency, a tuned amplifier for said control frequency, a line frequency impulse generator controlled by said control frequency and a frame frequency impulse generator controlled by the mains frequency and oscillating at the mains frequency, means to conduct the said control frequency additionally to the input of said frame frequency generator so as to synchronize it.

2,185,132
CATHODE RAY TUBE
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application January 6, 1937, Serial No. 119,192
In Germany January 11, 1936
7 Claims. (Cl. 250—153)



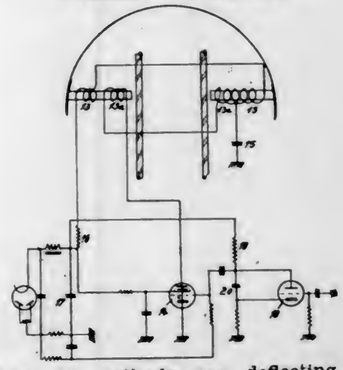
1. A cathode ray tube comprising a photo-electrically sensitive electrode structure, means for producing a cathode beam directed onto said structure, electrostatic cathode ray deflecting means for causing the part of said beam disposed between a point of its path and said structure to oscillate laterally about the stated point so that said beam sweeps over said structure, and an extended conductor mounted between said deflecting means and said structure and surrounding at least half of the mentioned part of the path of said beam to screen said structure from said deflecting means.

2,185,133
CONTROL GRID ARRANGEMENT IN CATHODE RAY TUBES
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application January 15, 1937, Serial No. 120,775
In Germany January 20, 1936
9 Claims. (Cl. 250—163)



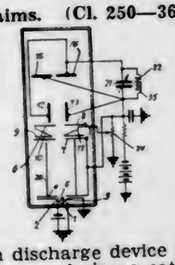
1. In and for a cathode ray tube comprising a cathode having an electron emissive spot and an anode mounted in operative relationship thereto for causing a substantially unidirectional electron emission from said cathode: a controlling electrode structure mounted between said cathode and said anode for modulating the emission from said cathode, said controlling electrode structure having an electron entrance aperture and an electron exit aperture both axially aligned with said cathode and said anode, said apertures being displaced from each other by a few millimetres in the direction from said cathode to said anode, the diameters of said apertures being substantially equal to the diameter of said emissive spot.

2,185,134
CATHODE RAY TUBE APPARATUS
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application February 17, 1937, Serial No. 126,207
In Germany February 19, 1936
5 Claims. (Cl. 250—27)



1. Magnetic cathode ray deflecting means comprising means for producing an electric current having a direct current component and an alternating current component, a magnet coil system connected to said current producing means to be traversed by the mentioned electric current, said coil system comprising two coils connected in series and having about equal numbers of turns, the turns of said two coils being wound about a common axis in opposite directions, and means connected to the common connection of said two coils for by-passing the alternating current component of the mentioned electric current.

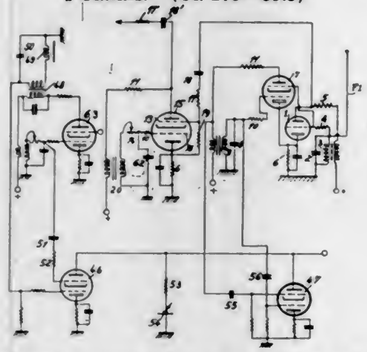
2,185,135
ELECTRONIC TUBE
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Original application August 4, 1934, Serial No. 738,389. Divided and this application February 19, 1938, Serial No. 191,452. In Germany August 9, 1933
5 Claims. (Cl. 250—36)



1. An electron discharge device comprising an evacuated envelope enclosing a cathode having a long emissive surface of small width, two anodes insulated from each other, each of said anodes having one bounding edge, said bounding edge of each anode being parallel to the corresponding bounding edge of the other anode and being inclined with respect to the longer edge of said emissive surface, means for forming the electrons produced by said cathode into a flat band having its smallest cross-section in the plane of said anode, means for deflecting said flat band

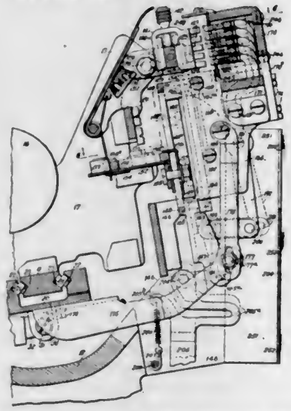
for varying the parts of the band intercepted by each of said anodes, said deflecting means including at least two deflecting plates, and means for connecting each of said anodes to the same potential source, said connecting means including two resistances of the same size.

2,185,136
ELECTRICAL SYNCHRONIZATION GENERATOR
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application June 11, 1937, Serial No. 147,800
In Germany June 13, 1936
4 Claims. (Cl. 178—69.5)



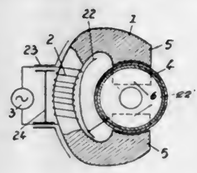
1. In a frequency reducer comprising a thermionic tube oscillation generator, an oscillatory circuit excited by said tube and several frequency reducing stages, means for synchronizing the last of said stages with a separate alternating voltage, particularly the mains, by adjusting the frequency of said generator, said means consisting of a tube having two control grids, each of said grids being so connected as to be excited by one of said frequencies, the smoothed anode current impulses generated in said tube being used for varying the frequency of said oscillatory circuit.

2,185,137
TYPEWRITING MACHINE
Louis K. Seagrave, Middletown, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application October 15, 1937, Serial No. 169,110
13 Claims. (Cl. 197—177)



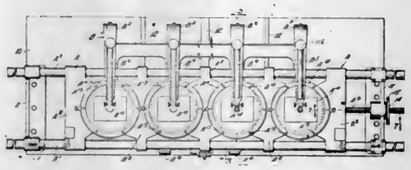
3. In a typewriting or like machine, the combination of a case shiftable carriage, tabulator stops carried thereby and shiftable therewith in the case shifting movements of the carriage, tabulator keys on the frame of the machine, tabulator stops controlled by said keys, a tabulator stop frame shiftably mounted on the frame of the machine and in which said key controlled stops are mounted for movement into and out of cooperation with said first mentioned tabulator stops, and means for shifting said tabulator stop frame with the carriage in the case shifting movements of the latter.

2,185,138
CATHODE RAY TUBE
Hanns-Heinz Wolff, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application July 6, 1934, Serial No. 733,997
In Germany July 8, 1933
3 Claims. (Cl. 250—157)



1. The combination comprising a Braun tube comprising an evacuated envelope, means in said envelope for producing a cathode ray and an electro-magnet for producing a magnetic field for influencing the cathode ray, said electro-magnet having pole-shoes disposed outside and adjacent to said envelope, and further pole-shoe members disposed inside said envelope forming a magnetic continuation of said first mentioned pole-shoes.

2,185,139
SCANNING APPARATUS
Francis Lewis Wurzburg, Jr., Bronxville, N. Y., assignor to Interchemical Corporation, a corporation of Ohio
Application April 23, 1937, Serial No. 138,520
3 Claims. (Cl. 178—5.4)



1. In an electro-mechanical scanning apparatus, a flat transparent member adapted to support a picture to be scanned, a photo-sensitive plate, a frame for supporting said picture and plate in the same plane and in a plurality of positions at fixed, equal angles to a line joining their centers, a scanning lamp and a photo-electric cell at opposite sides of said transparent member, a recording lamp adjacent said plate, a U-shaped frame for supporting said lamps and cell, means for reciprocating one of said frames at a uniform rate of motion, and means for causing a step-by-step movement of the other frame at each reversal of movement of the reciprocated frame.

2,185,140

DYESTUFFS OF THE ANTHRAQUINONE BENZACRIDONE SERIES

Wilhelm Bauer, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 2, 1937, Serial No. 128,603. In Germany March 4, 1936

3 Claims. (Cl. 260—277)

3. A 4 - para - halogenbenzoylaminoanthraquinone-6'-chlorobenzacridone, wherein the halogen atom is a member selected from the group consisting of chlorine and bromine and wherein said chlorine substituent is the only substituent in the Bz-radical.

2,185,141

PREPARATION OF BETA-PHENYLETHYL ALCOHOL

Joseph W. Britton, Gerald H. Coleman, and Bartholdt C. Hadler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application December 6, 1937, Serial No. 178,400

7 Claims. (Cl. 260—618)

1. The method of preparing beta-phenylethyl alcohol which comprises hydrolyzing a beta-haloethylbenzene with an aqueous inorganic alkaline agent, said alkaline agent being one which when mixed with water to the extent of one chemical equivalent per kilogram of water raises the pH value from that of water alone to a value between about 7.5 and about 11.5.

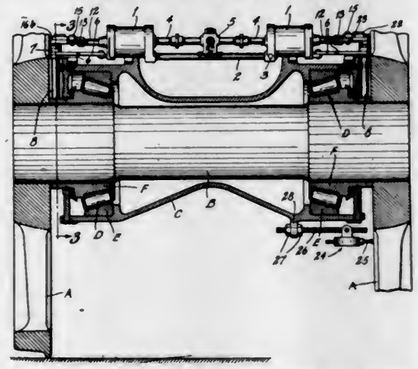
2,185,142

APPARATUS FOR DETERMINING BEARING PLAY

Tracy V. Buckwalter, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application September 22, 1938, Serial No. 231,112

15 Claims. (Cl. 254—124)



11. Apparatus of the kind described comprising a hollow shaft and a shaft in said hollow shaft, spreading fingers fixed to the respective shafts, and means for rotating said shafts in opposite directions.

2,185,143

VAT PRINTING BLACK

Moses L. Crossley and Lawrence D. Lytle, Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application January 23, 1937, Serial No. 121,984

6 Claims. (Cl. 8—18)

1. A material dyed with a black vat dyestuff of the dibenzanthrone series which is obtained by fusing with caustic alkali a dibenzanthrone compound having a group capable of promoting condensation of dye molecules, said dye being fast to acetone solutions of cellulose acetate, said material after dyeing being impregnated with a solution of an organic plastic to render it stiff and creaseproof.

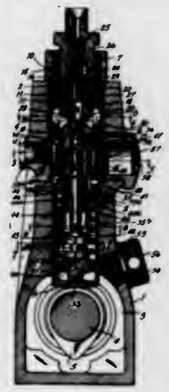
2,185,144

FUEL INJECTION PUMP

Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application May 27, 1937, Serial No. 145,001

6 Claims. (Cl. 103—41)



1. A detachable fuel injection pump unit comprising a cylinder, a plunger reciprocable in said cylinder and projecting from one end thereof, a pinion rotatably mounted on but otherwise unsecured to said end of said cylinder, a sleeve rotatable with said pinion, and a second sleeve fixed to the projecting end of said plunger and having a connection with said first mentioned sleeve permitting relative axial movement but preventing relative rotary movement of said sleeves, a spring for retracting said plunger, means for preventing endwise separation of said first mentioned sleeve and said cylinder under the action of said spring, said second sleeve having a portion overlapping said end of said cylinder and said cylinder having a shoulder adapted to be engaged by said overlapping portion of said second sleeve for preventing endwise separation of said second sleeve and said cylinder under the action of said spring.

4. A fuel injection pump comprising a housing having a bore therein, a supporting sleeve fitting in said bore and having an axial bore and a pair of transverse passageways spaced apart on opposite sides of the axis of said sleeve and opening into the bore thereof midway of the ends of said passageways, a pump cylinder mounted in said supporting sleeve and having ports therein in communication with the respective sleeve passageways intermediate the ends thereof, said housing having passageways therein communicating with the ends of the sleeve passageways and forming therewith separate fuel passageways on opposite sides of said cylinders, a plunger in said cylinder, a tubular fitting threaded into said sleeve above the cylinder therein, a valve seat member fitting into said tubular fitting, a valve cooperating with said valve seat member, and a spring mounted in said tubular fitting for holding said valve to its seat.

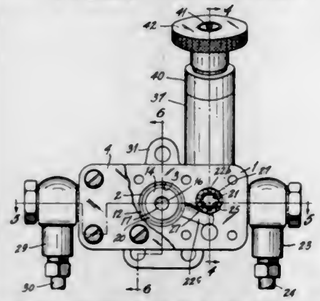
2,185,145

FUEL PUMP

Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application June 3, 1937, Serial No. 146,170

3 Claims. (Cl. 103—178)



2. A pump comprising a housing having a pump bore and a valve bore therein both open at the front face of said housing, an inlet passageway opening into the inner end of said valve bore, a channel in said face of said housing and extending from the outer end of said valve bore to the outer end of said pump bore, and a discharge passageway leading from the inner end of said pump bore, a suction valve in said valve bore, a valved piston reciprocable in said pump bore, a plate removably secured to the front face of said housing for closing the open ends of said pump and valve bores and for covering the channel extending therebetween, a spring interposed between said closure plate and said piston for moving the latter towards the inner end of said pump bore, said housing having a tappet cup bore therein open at the rear face thereof and disposed in axial alinement with said pump bore, an inwardly opening tappet cup reciprocable in said tappet cup bore, a plate in said tappet cup and having a convex surface facing the bottom of said cup, a coil compression spring disposed in said cup with one end seated against the bottom of said tappet cup bore and with the other end bearing against said plate to hold the convex surface thereof in contact with the bottom of said cup, a bushing in said tappet cup bore, and a rod reciprocable in said bushing with one end disposed in abutting relation to said plate and with its other end extending into said pump bore and cooperating with said piston.

2,185,146

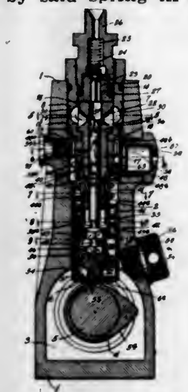
FUEL INJECTION PUMP

Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application October 8, 1937, Serial No. 167,972

17 Claims. (Cl. 103—41)

1. A pump assembly adapted for attachment to and detachment from a pump housing as a complete preassembled unit, said assembly comprising a supporting sleeve, a cylinder supported therein and extending therebelow, a plunger reciprocable in said cylinder and means for rotating said plunger in said cylinder, said means comprising a driving sleeve journaled on said cylinder below said supporting sleeve and having an axially slidable but nonrotatable connection with said plunger, a plunger retracting spring surrounding said driving sleeve, a seat on said plunger for the lower end of said spring, means for preventing endwise separation of said cylinder and plunger under the action of said plunger retracting spring, and a member surrounding said driving sleeve between said supporting sleeve and said spring and constituting a support for said driving sleeve and a seat for the upper end of said spring, the upper end of said member being held by said spring in abutting relation



with the lower end of said supporting sleeve, whereby said driving sleeve is relieved of the pressure of said spring, said member and said driving sleeve being otherwise free from connections that would prevent endwise separation thereof.

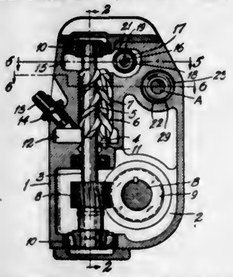
2,185,147

SPEED GOVERNING PUMP

Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application June 9, 1938, Serial No. 212,652

11 Claims. (Cl. 123—140)

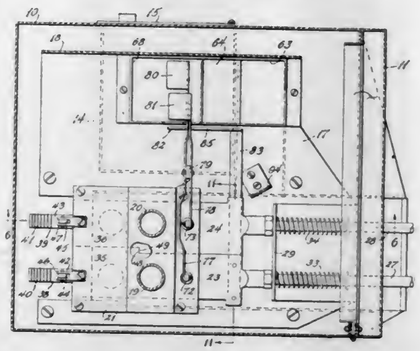


1. In a fuel supply system for an internal combustion engine, a fuel pump operable by the engine and having outlet and overflow chambers and a cylinder, a member for controlling the feed of fuel to the engine, spring means for urging said control member in the direction of maximum fuel feed, a pressure responsive member in said cylinder for moving said control member in the direction of minimum fuel feed, and means operable by a predetermined pressure of fuel in said outlet chamber to establish communication between the latter and said cylinder and thus actuate said pressure responsive member and move said control member in the direction of minimum fuel feed and operable when the pressure of the fuel in said outlet chamber falls below said predetermined pressure to establish communication between said cylinder and said overflow chamber to thereby relieve the pressure in said cylinder and thus cause said spring means to move said control member in the direction of maximum fuel feed.

2,185,148
COIN CHANGING MACHINE

William B. Evans and Duward A. Lawson, Nashville, Tenn., assignors to Tennessee Enamel Manufacturing Company, Nashville, Tenn., a corporation of Tennessee

Application July 22, 1938, Serial No. 220,819
7 Claims. (Cl. 194—22)

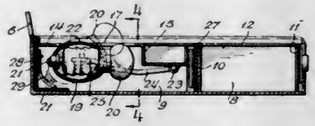


1. A money changing machine of the character described comprising, in combination, a casing; two adjacent tubular magazines for holding coins or the like of the same denomination; a receiving chute for a coin of a different denomination to be changed; separate interconnected change delivering slides cooperating with said magazines each arranged below a magazine and adapted to receive and deliver a predetermined number of change coins, the combined thickness of which will not vary sufficiently to permit more than said predetermined number to be delivered; releasable locking devices connected to each of said slides; and means associated with the chute and connected to said locking devices to be operated by a genuine coin of said different denomination passing through the chute to release both of said locking devices simultaneously whereby both slides may be actuated to deliver the corresponding change in coins of the same denomination from both slides.

2,185,149
VANITY CASE

Otto Hallbauer, Grantwood, N. J., assignor of one-half to Hans Bodenman, North Bergen, N. J.

Application July 8, 1938, Serial No. 218,093
2 Claims. (Cl. 240—6.45)

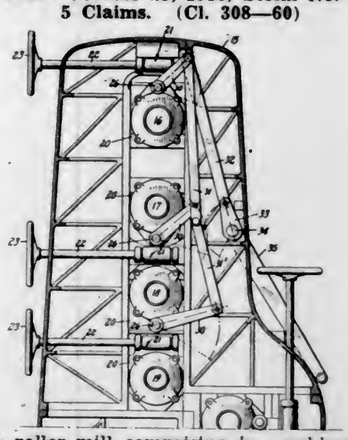


1. In a vanity case, a housing having a top plate provided with an opening therein, a lamp-carrying socket of greater dimensions than said opening removably disposed within said housing with a portion of said socket projecting through said opening, resilient means within said housing constituting a support for said socket and acting to frictionally maintain the latter in engagement with edges of said opening, and means to light said lamp upon movement of said socket relative to said opening from one position to another.

2,185,150
ROLLER MILL

George Jack, Rochelle Park, N. J., assignor to J. M. Lehmann Co., Inc., New York, N. Y., a corporation of New York

Application October 29, 1938, Serial No. 237,656
5 Claims. (Cl. 308—60)

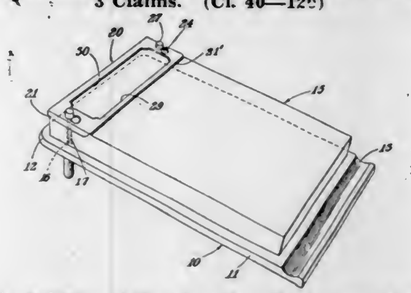


1. A roller mill comprising in combination, a frame, a fixed roll mounted in said frame, a plurality of adjustable rolls mounted in train on one side of the fixed roll, bearings for the adjustable rolls shiftably mounted in the frame, identical eccentrics supporting all of said bearings, supports for said eccentrics, fine adjustment means for moving each eccentric support bodily with its roll bearing, levers of different lengths for the eccentrics of different movable rolls, a plurality of links connecting the ends of all levers at each end of the frame, and unitary means for simultaneously moving all the links and levers for quickly throwing out all movable rolls independently of said fine adjustment means.

2,185,151
PAD CALENDAR

William H. Kemp, Westfield, N. J., assignor to Ever Ready Calendar Manufacturing Co., Jersey City, N. J., a corporation of New Jersey

Application March 30, 1938, Serial No. 198,922
3 Claims. (Cl. 40—129)



1. A device of the class described comprising a substantially rectangular base adapted to support a plurality of sheets of paper or the like, and means for securing the sheets at one end thereof to said base, said means comprising a pair of screws passing through aligned apertures in the sheets adjacent to one end thereof, thumb turn heads rigidly carried at the upper end of said screws, the base being provided with threaded apertures to receive said screws, and a substantially rectangular plate positioned above said sheets and engaging the upper sheet, the plate being provided with a key-hole slot at each end thereof through which the screw passes, the slot having an enlarged portion of sufficient size to permit the thumb turn head to pass therethrough, said plate having an opening therein and means for supporting a card within the opening, said second mentioned means comprising a finger formed integrally with the side wall of each key-hole slot on the lower surface of the plate, the card being secured between the finger and the plate.

2,185,152
DIAZO DERIVATIVES OF GUANIDYL SULPHONIC ACIDS

Hans Z. Lecher, Plainfield, and Henry Philip Orem, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 9, 1939, Serial No. 289,179
6 Claims. (Cl. 260—140)

1. Stabilized diazo compounds having the following general formula:

$$X—(N{=}N—G)_n$$

in which X is a radical of an ice color diazo component, G is a radical included in the group consisting of saturated aliphatic and cycloaliphatic guanidyl sulphonic acid radicals and their alkali metal and ammonium salts having at least two carbon atoms between the guanidine and the nearest sulphonic group, and n is a whole number included in the group consisting of 1 and 2.

2,185,153
STABLE ICE COLOR PRODUCING COMPOSITIONS

Hans Z. Lecher, Plainfield, and Henry Philip Orem, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 9, 1939, Serial No. 289,180
10 Claims. (Cl. 8—45)

1. A color producing composition of matter which comprises an ice color coupling component and a stabilized diazo compound having the following general formula:

$$X—(N{=}N—G)_n$$

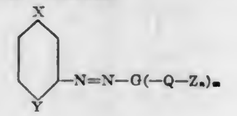
in which X is a radical of an ice color diazo component, G is a radical included in the group consisting of saturated aliphatic and cycloaliphatic guanidyl sulfonic acid radicals and their alkali metal and ammonium salts having at least two carbon atoms between the guanidine and the nearest sulfonic group, and n is a whole number included in the group consisting of 1 and 2.

2,185,154
DIAZO DERIVATIVES OF GUANIDYL ACIDS

Hans Z. Lecher, Plainfield, Frederic H. Adams, Somerville, and Henry Philip Orem, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 9, 1939, Serial No. 289,181
11 Claims. (Cl. 260—140)

1. Stabilized diazo compounds having the following general formula:

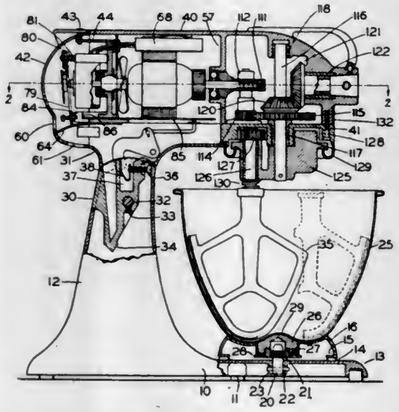


in which X and Y are radicals included in the group consisting of alkyl, alkoxy, aryloxy, nitro, halogen and CF_3 radicals, G is a guanidyl radical free from substituents capable of azoic coupling, Q is a radical incapable of azoic coupling and included in the group consisting of aromatic, aromatic-aliphatic, aliphatic and alicyclic radicals, Z is a member of the group consisting of carboxylic acid radicals, sulfonic acid radicals and their alkali metal and ammonium salts, and n is a whole number included in the group consisting of 1, 2 and 3 and m is a whole number included in the group consisting of 1 and 2.

2,185,155
FOOD HANDLING APPARATUS

David A. Meeker and Russell C. Geiger, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Application November 2, 1937, Serial No. 172,396
7 Claims. (Cl. 259—102)



1. In a food handling apparatus of the character described the combination of a base, a pedestal at one end of said base, a power drive unit, means for pivotally mounting said power drive unit on said pedestal, said power drive unit comprising a lower casing part and an upper casing part, means detachably fastening said casing parts together with adjacent edges thereof forming a substantially closed joint, and a relatively thin narrow trim strip fastened to one of said casing parts and overlapping the other of said casing parts in assembled position to conceal the joint between said parts and to provide a finished and attractive appearance.

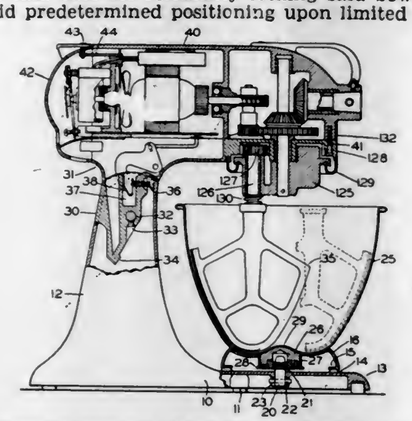
2,185,156
FOOD HANDLING APPARATUS

David A. Meeker and Russell C. Geiger, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Original application June 6, 1939, Serial No. 277,670, which is a division of application Serial No. 172,396, November 2, 1937. Divided and this application September 26, 1939, Serial No. 296,668
6 Claims. (Cl. 248—361)

1. In a food handling apparatus of the character described, the combination of a base, a bowl, means on said base for receiving said bowl in predetermined positioning thereon, and means

on said base for releasably locking said bowl in said predetermined positioning upon limited rotational movement of the bowl and with no more than slight vertical movement of the bowl.



2,185,157

IMPROVED DIESEL FUEL

Edwin M. Nygaard and George S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application November 30, 1938, Serial No. 243,117
2 Claims. (Cl. 44—9)

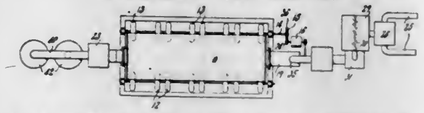
1. The method of accelerating the ignition of liquid fuels in an internal combustion engine of the type wherein ignition of the fuel is spontaneously effected by injection into the compressed air in the engine cylinder which comprises admixing with the fuel prior to ignition a minor proportion of tetranitro methane.

2,185,158

APPARATUS FOR AGITATING FINELY DIVIDED POWDERS

Howard W. Price, Borger, Tex., assignor to J. M. Huber Corporation, Borger, Tex., a corporation of Delaware

Application January 2, 1937, Serial No. 118,913
7 Claims. (Cl. 259—3)



1. A bladeless agitator bin for increasing the apparent density of light, flocculent, finely divided material which consists of a drum rotatable about a horizontal axis, annular partitions spaced longitudinally of said drum and forming compartments therein, and a single weighted roller in each compartment.

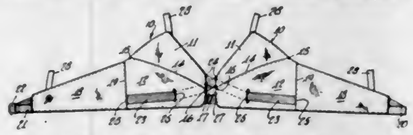
2,185,159

BRASSIÈRE

Abraham Rubinstein, Brooklyn, N. Y., assignor to Perfect Brassiere Company, Inc., Jersey City, N. J., a corporation of New Jersey

Application June 24, 1939, Serial No. 280,933
4 Claims. (Cl. 2—42)

1. A brassière comprising a pair of side sections, a pair of separate breast pockets having their front edges spaced apart and each having its rear edge secured to the front edge of the adjoining side section, and elastic straps connecting the upper front edge portion of each pocket to the lower front edge portion of the opposite side section, said straps each passing outwardly through a slit in the lower portion of the opposite breast pocket.

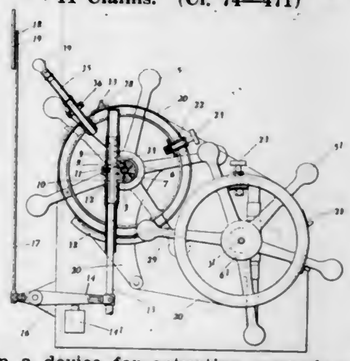


2,185,160

DEVICE FOR ACTUATING THE CONTROLS ON AIRCRAFT

René Tampier, Boulogne-sur-Seine, France

Application February 1, 1939, Serial No. 254,051
In Great Britain February 5, 1938
11 Claims. (Cl. 74—471)



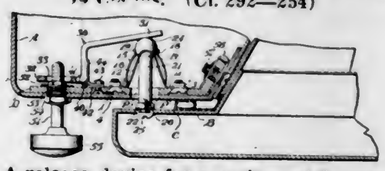
1. In a device for actuating controls on aircraft, a shaft arranged at right angles to the longitudinal axis of the machine, a plurality of hand wheels, each operating a separate control, mounted on said shaft, means for operating each of said hand wheels in a stepwise manner, said means comprising a plurality of operating handles projecting radially from each of said hand wheels, a fixed member disposed adjacent to each rotatably mounted operating member, and an operating connection between each rotatably mounted operating member and a controlled element for transmitting the rotary movement of the said operating member as a linear movement.

2,185,161

SPRING CATCH RELEASE

George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio

Application December 10, 1938, Serial No. 244,998
14 Claims. (Cl. 292—254)



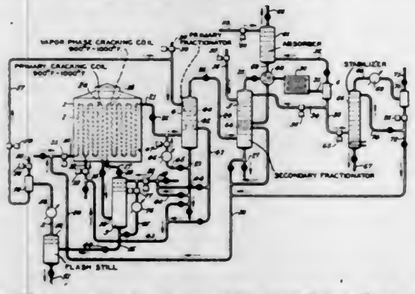
1. A release device for a spring catch comprising a cooperating strike and keeper mounted on abutting wall members forming the closure and frame of a cabinet structure or the like, said keeper comprising cooperating spring arms frictionally engaging the strike to hold said wall members in latched relation, said release device for said spring catch comprising a lever mounted in position to disengage said strike from said spring arms of the keeper, said lever when actuated exerting an axial force on said strike toward disengagement from said spring arms of the keeper and separation of said wall members from latched relation, and means for actuating said lever.

2,185,162

CONVERSION OF HYDROCARBONS

Richard F. Trow, Tuckahoe, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application June 30, 1938, Serial No. 216,650
5 Claims. (Cl. 196—49)



1. The method of cracking hydrocarbon oil that comprises passing a stream of hydrocarbon oil under superatmospheric pressure through primary and secondary sections of an elongated heating zone of restricted cross section, applying heat to said primary section of the elongated heating zone to subject the stream of oil flowing therein to cracking temperature and effect substantial cracking, introducing oil formed as hereinafter specified into the secondary section of the elongated heating zone so that the resultant mixture of said oil and the products from the primary section of the elongated heating zone constitutes the stream flowing in the secondary section thereof, applying heat to said secondary section of the elongated heating zone to subject the stream flowing therein to cracking temperature and continue the cracking, delivering the resultant cracked products from the secondary section of the elongated heating zone to an enlarged separating zone maintained under superatmospheric pressure wherein separation of vapors from residue takes place, passing the separated vapors to a second elongated heating zone of restricted cross section wherein the vapors are heated and subjected to vapor phase cracking, directing the resultant cracked products into a second enlarged separating zone wherein separation of vapors from residue takes place, passing separated vapors from the second enlarged separating zone to a primary fractionating zone, withdrawing residue from the first enlarged separating zone and subjecting it to flash distillation under reduced pressure to produce a flashed condensate, introducing resultant flashed condensate into the primary fractionating zone wherein fractionation takes place to separate uncondensed vapors from a fraction comprising reflux condensate and unvaporized constituents of the introduced flashed condensate, conducting said fraction comprising reflux condensate and unvaporized constituents of the flashed condensate from the primary fractionating zone as the aforesaid oil introduced into the secondary section of the first elongated heating zone, subjecting separated vapors from the primary fractionating zone to further fractionation to separate a reflux condensate from lighter products and cycling said reflux condensate to the primary section of the first elongated heating zone.

2,185,163

POLYOXYALKYLENE AMMONIUM COMPOUNDS AND PROCESS OF PREPARING THEM

Heinrich Ulrich, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 21, 1936, Serial No. 91,801. In Germany July 24, 1935
15 Claims. (Cl. 260—457)

1. The process of producing nitrogenous condensation products suitable as assistants in the textile and other industries which comprises causing an amine oxide of tertiary amines to react at a temperature above 50° C. and in the presence of water with an alkylene oxide.

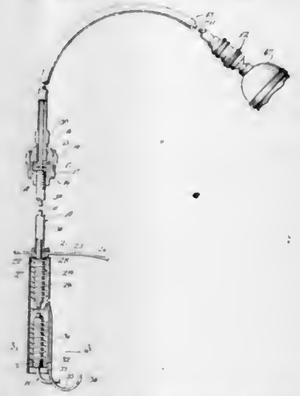
15. A nitrogenous condensation product suitable as an assistant in the textile and other industries which comprise essentially a compound containing four organic radicles selected from the class consisting of aliphatic and aromatic radicles, at least one of which is a polyoxyalkylene radicle attached to a pentavalent nitrogen atom and an acid substituent attached to the nitrogen atom.

2,185,164

CLAMP FOR A LAMP

Louis Weinreb, Chicago, Ill.

Application May 3, 1938, Serial No. 205,769
2 Claims. (Cl. 24—263)



1. In a device of the character described, universal clamping means, comprising, a tubular member of square section open at one end and provided with a shoulder portion at its other end, a circular tube member threaded at one end slidably mounted in said square tube member, a square nut secured to the threaded end of said circular tube member and slidably fitted within the said square tube member, spring means intermediately confined between the said square nut member and the shoulder portion of the said square tube member, a clamping member rigidly secured laterally of the open end of

said square tube, and an auxiliary clamp member rotatably mounted on the exposed portion of said circular tube member.

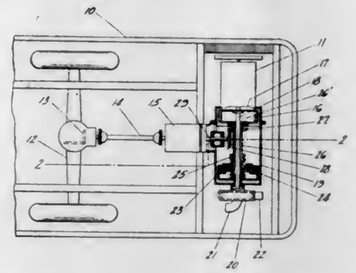
2,185,165

POWER PLANT

Austin M. Wolf, Plainfield, N. J.

Continuation of Application Serial No. 612,057, May 18, 1932. This application April 9, 1936, Serial No. 73,584

16 Claims. (Cl. 180—54)



1. Vehicle driving mechanism, including differential and change speed gearing arranged in longitudinal succession between the road wheels, a tranversely disposed power plant located principally to one side of the vehicle center line, a clutch drum on the opposite side of the vehicle center line, a power shaft connecting the power plant and clutch drum and having accessory drive means beyond the clutch drum, a driven sleeve surrounding said shaft and having clutch mechanism at one end for engagement with said clutch drum and a driving pinion at its other end, and a driven gear meshing with said pinion and having drive connection with the input side of the change speed gearing.

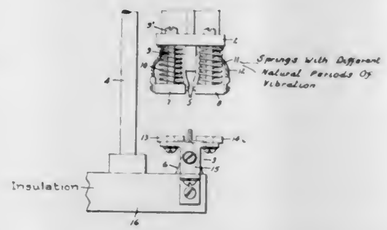
2,185,166

ELECTRIC CIRCUIT BREAKER

Ralph E. Bold, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application August 13, 1938, Serial No. 224,752

7 Claims. (Cl. 200—144)



1. An electric circuit breaker having relatively movable arcing contact structure comprising a plurality of contact elements adapted to be connected in multiple, contact structure coacting therewith for making and breaking the circuit, and resilient periodic means for individually biasing each of said contact elements into contact engagement with said coacting structure so that said elements initially make contact substantially simultaneously, said resilient means being characterized by different natural periods of vibration for each of said contact elements respectively.

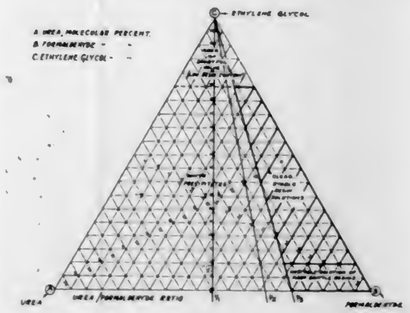
2,185,167

WATER-SOLUBLE UREA-FORMALDEHYDE ETHYLENE GLYCOL CONDENSATION PRODUCTS

Theodore S. Hodgins, Detroit, and Almon G. Hovey, Pleasant Ridge, Mich., assignors, by mesne assignments, to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware

Application April 20, 1938, Serial No. 203,148

2 Claims. (Cl. 260—70)



1. A process of preparing water-soluble, water-white, heat-convertible resinous products which comprises simultaneously refluxing 3 mols of aqueous formaldehyde, 150 parts of water, 1—2 mols of ethylene glycol, 1 mol of urea, 5 parts of 26% ammonium hydroxide at boiling temperature for a period of 30 minutes under agitation and cooling, the resulting product being characterized by its stability in solution, the urea, ethylene glycol and formaldehyde constituting the principal reacting ingredients.

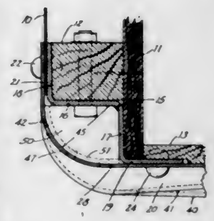
2,185,168

RAILWAY CAR END STRUCTURE

Frank J. Jumper, Omaha, Nebr., and Garth G. Gilpin, Riverside, Ill., assignors to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application March 7, 1938, Serial No. 194,360

14 Claims. (Cl. 105—410)



1. In a railway car having a corner structure comprising a vertical member comprising angularly disposed arms each provided with a flange, an end wall sheet comprising a body part formed with a flange, means to secure said body part of the wall sheet to one of said member flanges, and means to secure said flange of the wall sheet to the other of said member flanges whereby a box structural beam is provided, the flange of the wall sheet being formed on a curve of relatively large radius to form an arch between the arms of said member, said wall sheet being provided with a plurality of horizontal corrugations which merge into the wall sheet substantially in line with the last mentioned securing means.

2,185,169

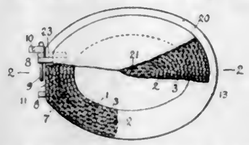
TOILET SEAT

Hippolyte W. Romanoff, New York, N. Y., assignor to Al Schwartz, New York, N. Y.

Application May 11, 1939, Serial No. 272,946

3 Claims. (Cl. 4—234)

1. A toilet seat comprising a core of an approximately oval shape formed of a strip of a corrugated paper of a width substantially equal to the thickness of the seat and wound tightly side by side, and inserts made of a machinable material placed in the core at one end of the oval adapted to render the corresponding end portion of the seat substantially straight, the

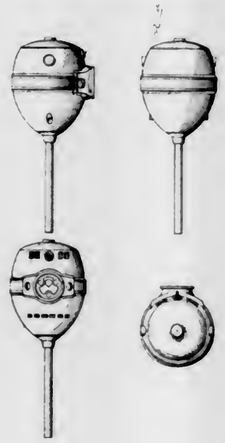


inserts being adapted to receive screws for attaching hinges to the seat, the surfaces of the core being impregnated with a glue-like compound and covers cemented to the core made of a moulded sheet material.

DESIGNS

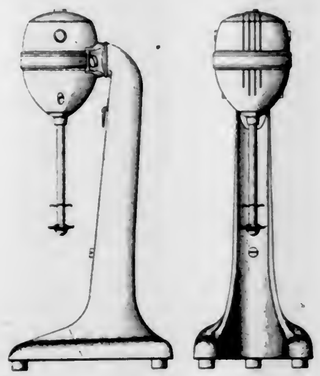
DECEMBER 26, 1939

118,224
DESIGN FOR A MOTOR
James F. Barnes and Jean Otis Reinecke, Chicago, Ill., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 30, 1939, Serial No. 87,938
Term of patent 14 years

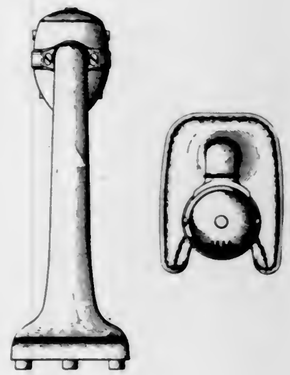


The ornamental design for a motor, as shown.

118,225
DESIGN FOR A DRINK MIXER
James F. Barnes and Jean Otis Reinecke, Chicago, Ill., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 30, 1939, Serial No. 87,939
Term of patent 14 years



118,225—Continued



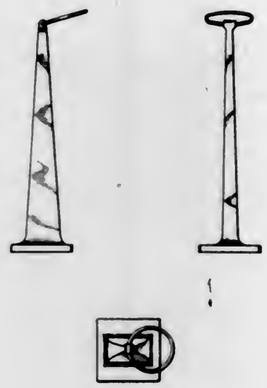
The ornamental design for a drink mixer, as shown.

118,226
DESIGN FOR A PLAQUE OR SIMILAR ARTICLE
Walter Scott Benners, Elizabeth, N. J., assignor to New Jersey State Funeral Directors Association, Inc., Newark, N. J., a corporation of New Jersey
Application October 19, 1939, Serial No. 87,732
Term of patent 14 years



The ornamental design for a plaque or similar article, as shown and described.

118,227
DESIGN FOR A SOCK TURNER
Harry Bowman and Paul Bowman, Larned, Kans.
Application June 28, 1938, Serial No. 78,120
Term of patent 3½ years



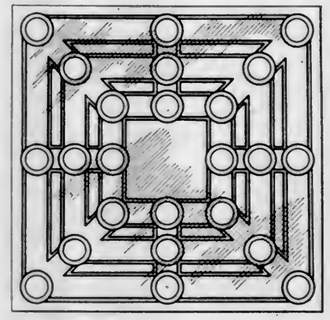
The ornamental design for a sock turner, as shown.

118,228
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application November 2, 1939, Serial No. 88,011
Term of patent 7 years



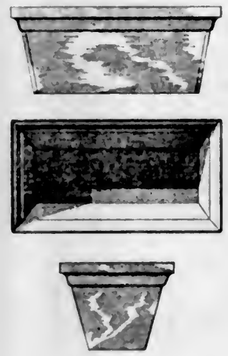
The ornamental design for an atomizer, substantially as shown and described.

118,229
DESIGN FOR A GAME BOARD
Clifford Egerton, Kew Gardens, N. Y.
Application September 25, 1939, Serial No. 87,375
Term of patent 3½ years



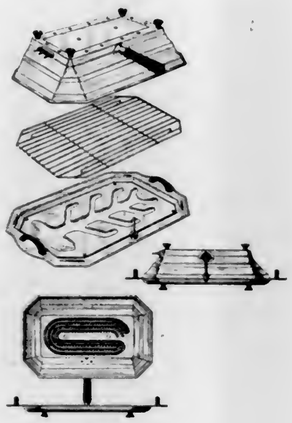
The ornamental design for a game board, as shown.

118,230
DESIGN FOR A PLANT BOX
William Fader, Newark, N. J.
Application October 4, 1939, Serial No. 87,496
Term of patent 7 years



The ornamental design for a plant box, as shown.

118,231
DESIGN FOR A BROILER OR SIMILAR ARTICLE
Sol Forman, New York, N. Y.
Application October 28, 1939, Serial No. 87,909
Term of patent 3½ years



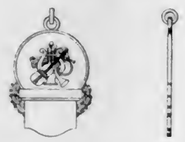
The ornamental design for a broiler or similar article, substantially as shown.

118,232
DESIGN FOR A MEDAL OR SIMILAR ARTICLE
Joseph Granat, San Francisco, Calif.
Application June 20, 1939, Serial No. 85,576
Term of patent 7 years



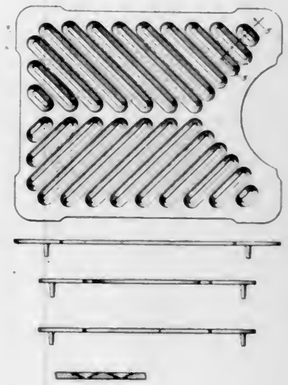
The ornamental design for a medal or similar article, substantially as shown.

118,233
DESIGN FOR A MEDAL OR SIMILAR ARTICLE
Joseph Granat, San Francisco, Calif.
Application June 20, 1939, Serial No. 85,578
Term of patent 7 years



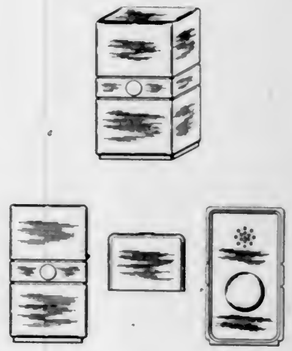
The ornamental design for a medal or similar article, substantially as shown.

118,234
DESIGN FOR A BROILER GRILL
Erik G. Grundstrom, Chicago, Ill., assignor to Advance Aluminum Castings Corp., Chicago, Ill., a corporation of Illinois
Application September 1, 1939, Serial No. 87,002
Term of patent 7 years



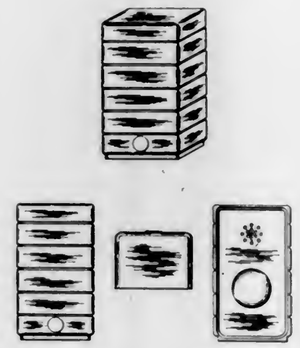
The ornamental design for a broiler grill, substantially as shown.

118,235
DESIGN FOR A CONDIMENT SHAKER
William A. Hersey, Waterbury, Conn., assignor to The Waterbury Button Company, Waterbury, Conn., a corporation of Connecticut
Application April 7, 1939, Serial No. 84,116
Term of patent 3½ years



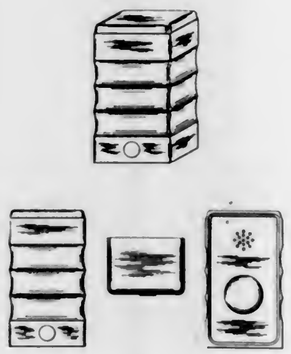
The ornamental design for a condiment shaker, as shown.

118,236
DESIGN FOR A CONDIMENT SHAKER
William A. Hersey, Waterbury, Conn., assignor to The Waterbury Button Company, Waterbury, Conn., a corporation of Connecticut
Application April 7, 1939, Serial No. 84,117
Term of patent 3½ years



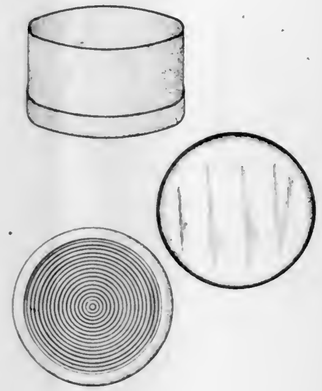
The ornamental design for a condiment shaker, as shown.

118,237
DESIGN FOR A CONDIMENT SHAKER
William A. Hersey, Waterbury, Conn., assignor to The Waterbury Button Company, Waterbury, Conn., a corporation of Connecticut
Application April 7, 1939, Serial No. 84,119
Term of patent 3½ years



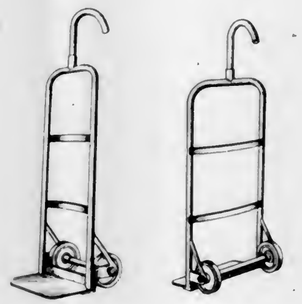
The ornamental design for a condiment shaker, as shown.

118,238
DESIGN FOR A COOKING VESSEL OR SIMILAR ARTICLE
Harry B. Klusmeyer, Chicago, Ill.
Application March 22, 1939, Serial No. 83,755
Term of patent 14 years



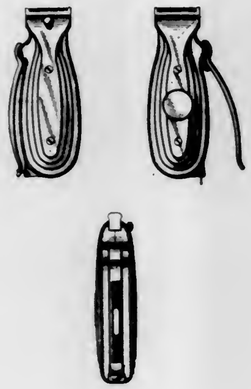
The ornamental design for a cooking vessel or similar article, as shown.

118,239
DESIGN FOR A HAND TRUCK
Theodore L. Kuhns, Salem, Oreg.
Application May 20, 1939, Serial No. 85,106
Term of patent 14 years



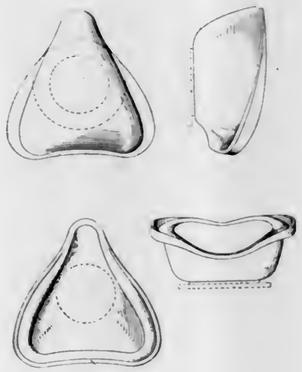
The ornamental design for a hand truck, as shown.

118,240
DESIGN FOR A DRY SHAVER
Edgar Harold Law, Cricklewood Broadway, London, England, assignor to Rolls Razor Limited, a company of Great Britain
Application August 6, 1938, Serial No. 79,159
In Great Britain June 8, 1938
Term of patent 14 years



The ornamental design for a dry shaver, as shown and described.

118,241
DESIGN FOR A RESPIRATOR FACEPIECE
William H. Lehmberg, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 21, 1938, Serial No. 76,672
Term of patent 14 years



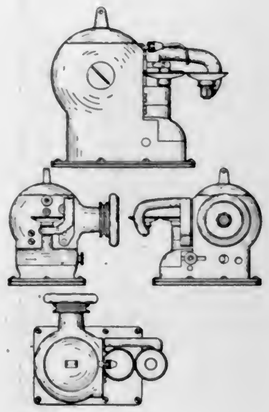
The ornamental design for a respirator facepiece, substantially as shown and described.

118,242
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application November 13, 1939, Serial No. 88,208
Term of patent 14 years



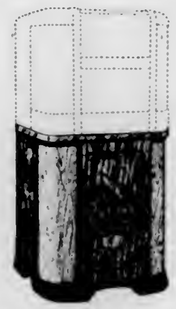
The ornamental design for a knitted fabric, substantially as shown.

118,243
DESIGN FOR A FUR SEWING MACHINE
Thomas C. Mladinich and Salvatore Nicosia, New York, N. Y.
Application February 10, 1939, Serial No. 82,908
Term of patent 14 years



The ornamental design for a fur sewing machine, as shown and described.

118,244
DESIGN FOR A PHONOGRAPH CABINET OR SIMILAR ARTICLE
Arthur Nagel, Cleveland Heights, Ohio
Application August 9, 1939, Serial No. 86,566
Term of patent 3½ years



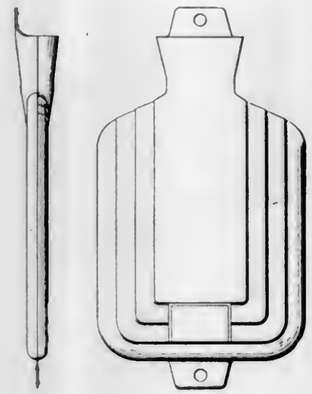
The ornamental design for a phonograph cabinet or similar article, substantially as shown and described.

118,245
DESIGN FOR A SCOOTER FOOTBOARD OR SIMILAR ARTICLE
John Gordon Rideout, Cleveland, Ohio, assignor to Junior Toy Corporation, Hammond, Ind.
Application June 8, 1939, Serial No. 85,399
Term of patent 14 years



The ornamental design for a scooter footboard or similar article, substantially as shown.

118,246
DESIGN FOR A WATER BOTTLE OR SIMILAR ARTICLE
Earla M. Roberts, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 27, 1939, Serial No. 85,237
Term of patent 14 years



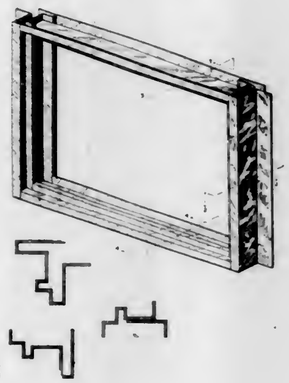
The ornamental design for a water bottle or similar article, substantially as shown and described.

118,247
DESIGN FOR A WATER BOTTLE OR SIMILAR ARTICLE
Earla M. Roberts, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 27, 1939, Serial No. 85,238
Term of patent 14 years



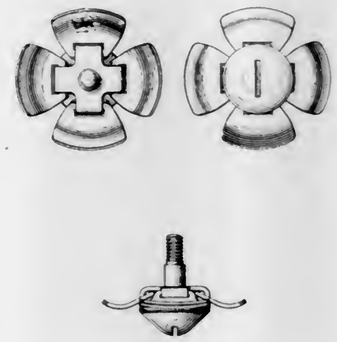
The ornamental design for a water bottle or similar article, substantially as shown and described.

118,248
DESIGN FOR A WINDOW FRAME
Zoltan Roseman, Cleveland, Ohio, assignor to Violet Roseman Saunt, Cleveland, Ohio
Application August 7, 1939, Serial No. 86,491
Term of patent 14 years



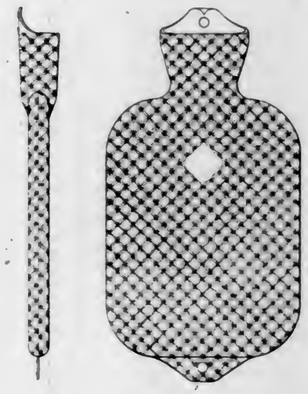
The ornamental design for a window frame, substantially as shown and described.

118,249
DESIGN FOR A DRINK MIXER AGITATOR
Arthur W. Seyfried, Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 30, 1939, Serial No. 87,937
Term of patent 14 years



The ornamental design for a drink mixer agitator, as shown.

118,250
DESIGN FOR A WATER BOTTLE OR SIMILAR ARTICLE
Mary Marjorie Smith, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 27, 1939, Serial No. 85,234
Term of patent 14 years



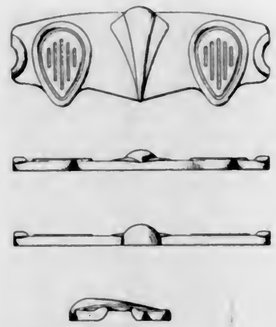
The ornamental design for a water bottle or similar article, substantially as shown and described.

118,251
DESIGN FOR A SYRINGE BAG OR SIMILAR ARTICLE
Mary Marjorie Smith, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 27, 1939, Serial No. 85,235
Term of patent 14 years



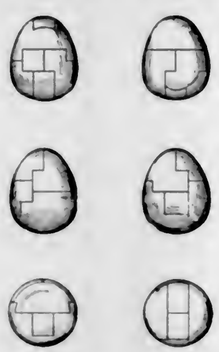
The ornamental design for a syringe bag or similar article, substantially as shown.

118,252
DESIGN FOR A VELOCIPEDE DECK PLATE
Walter V. Smith, Hammond, Ind., assignor to Junior Toy Corporation, Hammond, Ind.
Application June 9, 1939, Serial No. 85,418
Term of patent 14 years



The ornamental design for a velocipede deck plate, substantially as shown.

118,253
DESIGN FOR A PUZZLE
Irving Steinhardt, New York, N. Y.
Application March 30, 1939, Serial No. 83,921
Term of patent 7 years



The ornamental design for a puzzle, as shown.

118,254
DESIGN FOR A PIN
Jack B. Stinson, Jackson Heights, N. Y.
Application December 8, 1938, Serial No. 81,665
Term of patent 7 years



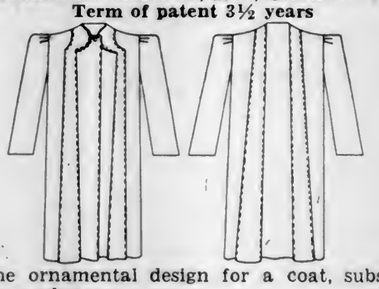
The ornamental design for a pin, as shown.

118,255
DESIGN FOR A NECKLACE
Olga Tritt, New York, N. Y.
Application November 16, 1939, Serial No. 88,319
Term of patent 3½ years



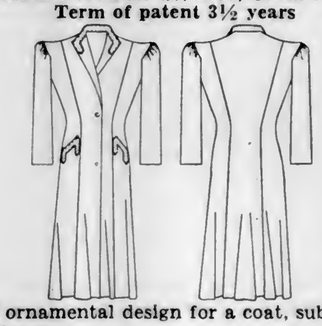
The ornamental design for a necklace, substantially as shown.

118,256
DESIGN FOR A COAT
Max Bagedonow, New York, N. Y.
Application November 27, 1939, Serial No. 88,495
Term of patent 3½ years



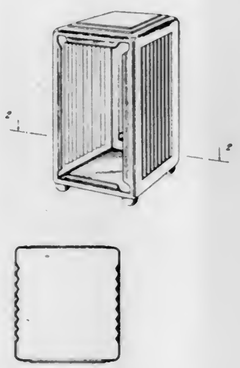
The ornamental design for a coat, substantially as shown.

118,257
DESIGN FOR A COAT
Max Bagedonow, New York, N. Y.
Application November 27, 1939, Serial No. 88,497
Term of patent 3½ years



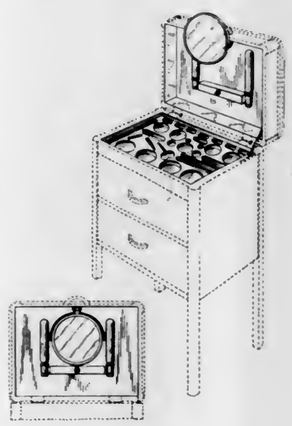
The ornamental design for a coat, substantially as shown.

118,258
DESIGN FOR A NAPKIN HOLDER
Samuel Bloomfield, Chicago, Ill.
Application July 9, 1938, Serial No. 78,362
Term of patent 3½ years



The ornamental design for a napkin holder, as shown.

118,259
DESIGN FOR A MAKE-UP CABINET
Ernest O. Carlson, Rockford, Ill.
Application October 30, 1939, Serial No. 87,940
Term of patent 14 years



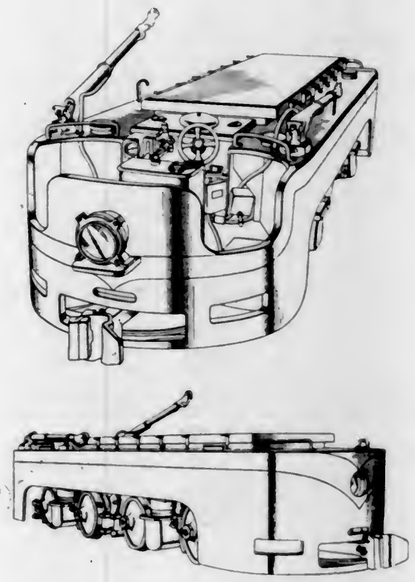
The ornamental design for a make-up cabinet, substantially as shown and described.

118,260
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application November 28, 1939, Serial No. 88,516
Term of patent 3½ years



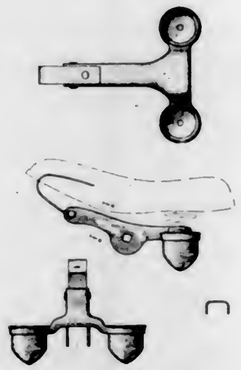
The ornamental design for a lace, substantially as shown and described.

118,261
DESIGN FOR A MINE LOCOMOTIVE
Henry Fort Flowers, Findlay, Ohio
Application October 10, 1939, Serial No. 87,615
Term of patent 14 years



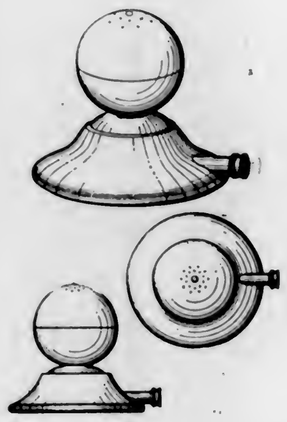
The ornamental design for a mine locomotive, as shown and described.

118,262
DESIGN FOR A CYCLE SADDLE
Harold E. Kalter, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application October 20, 1939, Serial No. 87,775
Term of patent 14 years



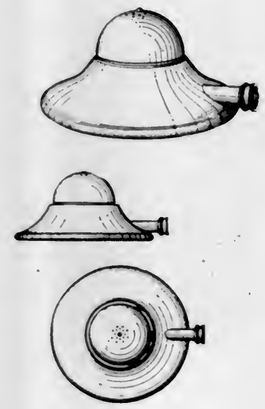
The ornamental design for a cycle saddle, substantially as shown and described.

118,263
DESIGN FOR A LAWN SPRINKLER
Elizabeth S. Kent, Waterbury, Conn., and William R. Westfall, Kew Gardens, N. Y., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 4, 1939, Serial No. 84,783
Term of patent 14 years



The ornamental design for a lawn sprinkler, substantially as shown.

118,264
DESIGN FOR A LAWN SPRINKLER
Elizabeth S. Kent, Waterbury, Conn., and William R. Westfall, Kew Gardens, N. Y., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 4, 1939, Serial No. 84,784
Term of patent 14 years



The ornamental design for a lawn sprinkler, substantially as shown.

118,265
DESIGN FOR A PILLOW COVERING OR SIMILAR ARTICLE
Benjamin Norman, New York, N. Y.
Application November 14, 1939, Serial No. 88,276
Term of patent 3½ years



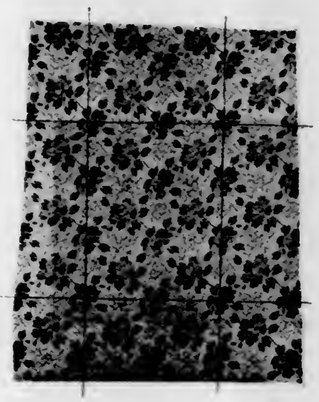
The ornamental design for a pillow covering or similar article, substantially as shown, and described.

118,266
DESIGN FOR A WOVEN TEXTILE FABRIC
Andrew W. Roth, Harrison, N. Y., assignor to Roth-Getzoff & Company, New York, N. Y., a corporation of New York
Application August 25, 1939, Serial No. 86,876
Term of patent 3½ years



The ornamental design for a woven textile fabric as shown and described.

118,267
DESIGN FOR A WOVEN TEXTILE FABRIC
Andrew W. Roth, Harrison, N. Y., assignor to Roth-Getzoff & Company, New York, N. Y., a corporation of New York
Application August 25, 1939, Serial No. 86,877
Term of patent 3½ years



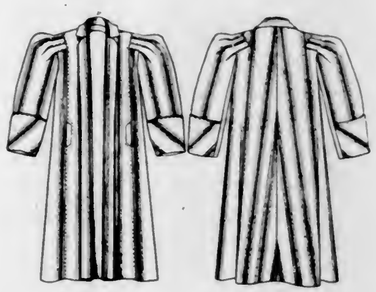
The ornamental design for a woven textile fabric as shown and described.

118,268
DESIGN FOR A TOOTH BRUSH
Jonah Salit, New York, N. Y.
Application November 4, 1939, Serial No. 88,037
Term of patent 14 years



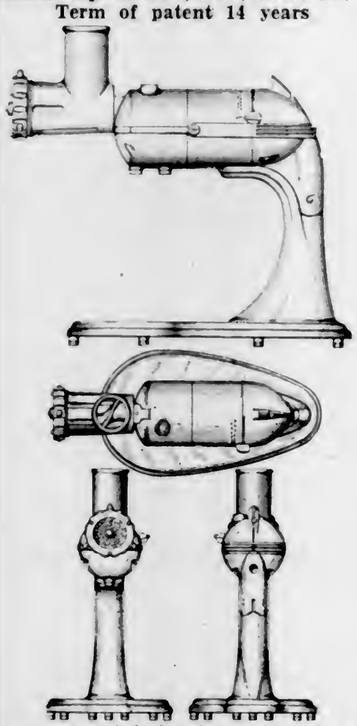
The ornamental design for a tooth brush, substantially as shown and described.

118,269
DESIGN FOR A COAT
Samuel Stimell, New York, N. Y.
Application November 30, 1939, Serial No. 88,573
Term of patent 3½ years



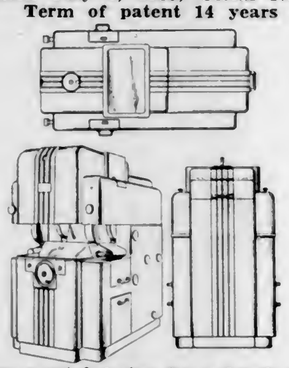
The ornamental design for a coat, substantially as shown.

118,270
DESIGN FOR A COMBINED ELECTRIC MIXER AND FOOD CHOPPER UNIT
Hermann M. Alfred Strauss, Chicago, Ill., assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill., a corporation of Illinois
Application September 2, 1938, Serial No. 79,687
Term of patent 14 years



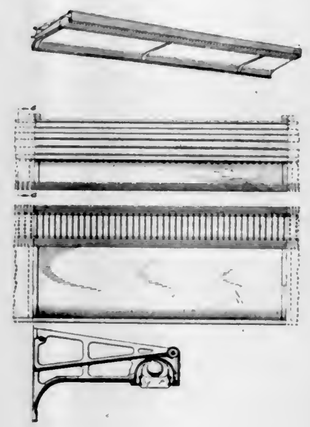
The ornamental design for a combined electric mixer and food chopper unit, as shown.

118,271
DESIGN FOR A DOUGH DIVIDER
Harold Van Doren and John McLeod Little, Toledo, Ohio, assignors to Baker Perkins Inc., Saginaw, Mich., a corporation of New York
Application July 3, 1939, Serial No. 85,841
Term of patent 14 years



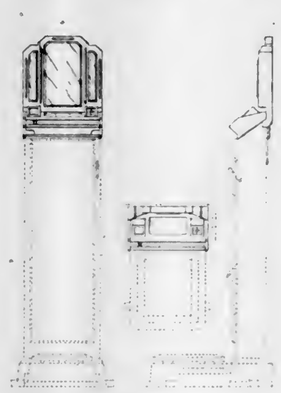
The ornamental design for a dough divider, as shown.

118,272
DESIGN FOR A COMBINED BAGGAGE RACK AND LIGHTING FIXTURE OR SIMILAR ARTICLE
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application October 12, 1936, Serial No. 65,266
Term of patent 14 years



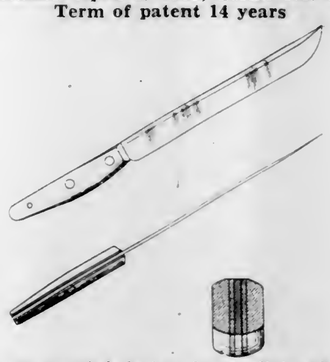
The ornamental design for a combined baggage rack and lighting fixture or similar article, substantially as shown and described.

118,273
DESIGN FOR A WEIGHING SCALE
William Watling, Chicago, Ill., assignor to Fred Moeller, Wheeling, Ill.
Application September 28, 1939, Serial No. 87,404
Term of patent 3½ years



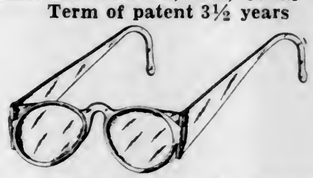
The ornamental design for a weighing scale, as shown and described.

118,274
DESIGN FOR A SLICING KNIFE
William H. Barry, Bridgeport, and William O. Stauffer, Fairfield, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
Application April 5, 1939, Serial No. 84,046
Term of patent 14 years



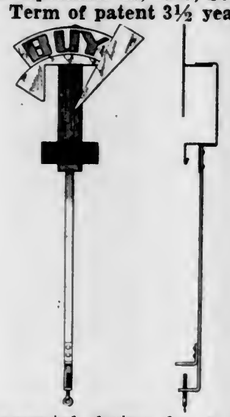
The ornamental design for a slicing knife, as shown and described.

118,275
DESIGN FOR SUNGLASSES
Siegfried Behr, Flushing, N. Y., assignor to Ben Hur Products, Inc., New York, N. Y., a corporation of New York
Application December 15, 1938, Serial No. 81,798
Term of patent 3½ years



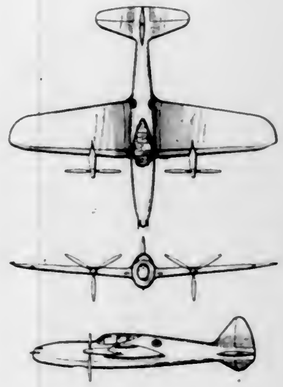
The ornamental design for sunglasses, as shown.

118,276
DESIGN FOR A DISPLAY STAND FOR PACKAGED MERCHANDISE
Ernst Borregard, Woodmere, N. Y.
Application September 12, 1939, Serial No. 87,157
Term of patent 3½ years



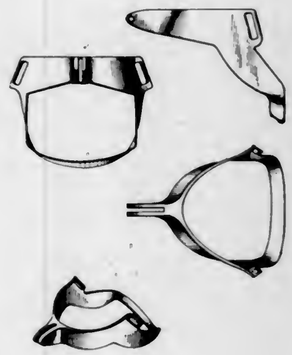
The ornamental design for a display stand for packaged merchandise, as shown.

118,277
DESIGN FOR A PURSUIT AIRPLANE
Harold W. Case, Dayton, Ohio
Application February 25, 1939, Serial No. 83,208
Term of patent 7 years



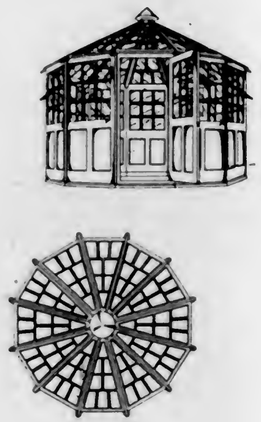
The ornamental design for a pursuit airplane, as shown and described.

118,278
DESIGN FOR A BOOT-SPUR BODY
Frank Dean, San Jose, Calif.
Application July 5, 1939, Serial No. 85,852
Term of patent 14 years



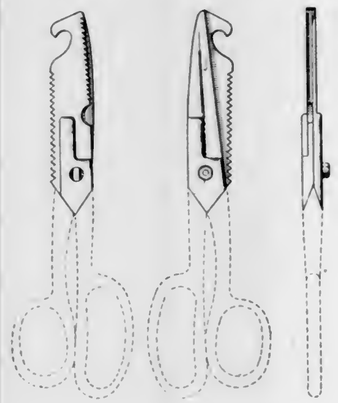
The ornamental design for a boot-spur body, as shown.

118,279
DESIGN FOR A GREENHOUSE
Ray C. Hansen, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application October 12, 1938, Serial No. 80,406
Term of patent 14 years



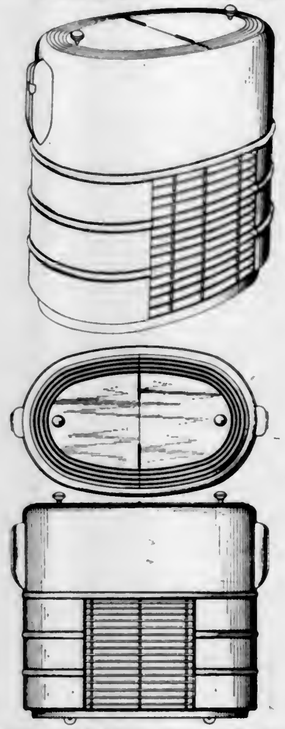
The ornamental design for a greenhouse, substantially as shown.

118,280
DESIGN FOR SHEARS OR THE LIKE
Frederick W. Hausmann, Maplewood, N. J., assignor to H. Boker & Co., Inc., New York, N. Y.
Application May 27, 1939, Serial No. 85,231
Term of patent 7 years



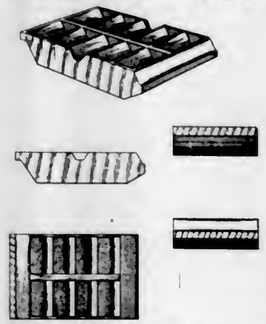
The ornamental design for shears or the like, substantially as shown.

118,281
DESIGN FOR A REFRIGERATING CABINET
William W. Higham, Detroit, Mich., assignor to Universal Cooler Corporation, Detroit, Mich., a corporation of Michigan
Application August 18, 1939, Serial No. 86,768
Term of patent 3½ years



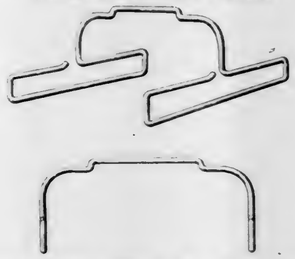
The ornamental design for a refrigerating cabinet, substantially as shown.

118,282
DESIGN FOR A LANTERN SLIDE TRAY
Henry J. Hood, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 29, 1939, Serial No. 87,439
Term of patent 14 years



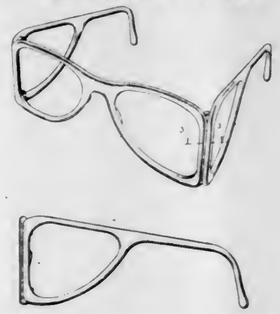
The ornamental design for a lantern slide tray, as shown.

118,283
DESIGN FOR A PORTABLE SAMPLE CARRIER
Harry L. Hoenigsberger, Chicago, Ill.
Application July 22, 1939, Serial No. 86,184
Term of patent 3½ years



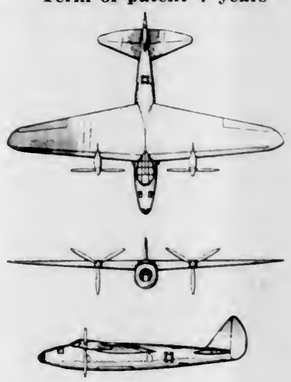
The ornamental design for a portable sample carrier, as shown.

118,284
DESIGN FOR A SPECTACLE FRAME
Henry J. Jackson, New York, N. Y., assignor to Mystoplane Company, Inc., New York, N. Y., a corporation of New York
Application January 13, 1939, Serial No. 82,318
Term of patent 3½ years

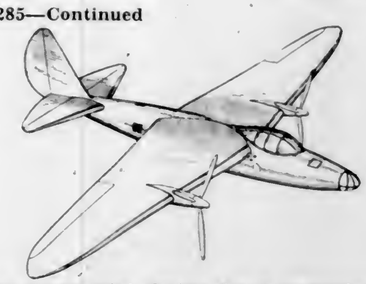


The ornamental design for a spectacle frame, as shown.

118,285
DESIGN FOR A MONOPLANE
Paul H. Kemmer and Carl E. Reichert, Dayton, Ohio
Application February 25, 1939, Serial No. 83,209
Term of patent 7 years

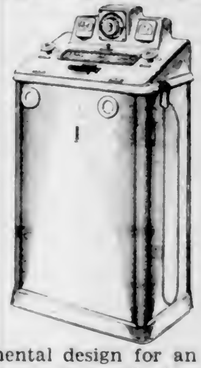


118,285—Continued



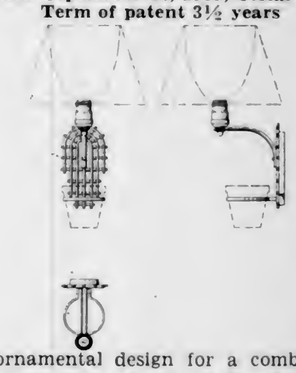
The ornamental design for a monoplane, as shown.

118,286
DESIGN FOR AN X-RAY CONTROL STAND
Gerard Kloos, Mount Vernon, N. Y., assignor to Philips Metalix Corporation, New York, N. Y.
Application November 1, 1939, Serial No. 87,982
Term of patent 7 years



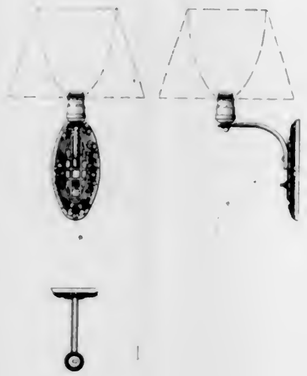
The ornamental design for an X-ray control stand, as shown and described.

118,287
DESIGN FOR A COMBINED WALL BRACKET LAMP, POT, AND SUPPORT THEREFOR
Glenn E. MacFadden and Leland MacFadden, Buffalo, N. Y., assignors to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application September 12, 1939, Serial No. 87,149
Term of patent 3½ years



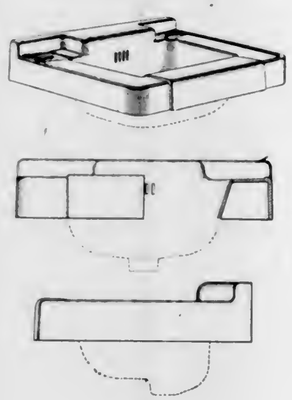
The ornamental design for a combined wall bracket lamp, pot, and support therefor, substantially as shown and described.

118,288
DESIGN FOR A WALL BRACKET LAMP
Glenn E. MacFadden and Leland MacFadden, Buffalo, N. Y., assignors to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application September 12, 1939, Serial No. 87,150
Term of patent 3½ years



The ornamental design for a wall bracket lamp, substantially as shown and described.

118,289
DESIGN FOR A LAVATORY
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 23, 1939, Serial No. 87,823
Term of patent 7 years



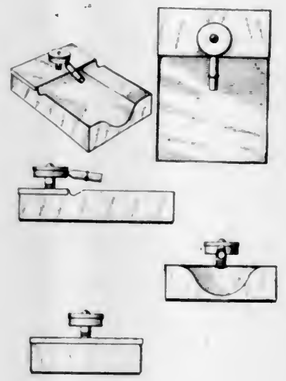
The ornamental design for a lavatory, as shown.

118,290
DESIGN FOR A TOOTH PICK DISPENSER
Michael Nicosia, Brooklyn, N. Y.
Application August 5, 1938, Serial No. 79,126
Term of patent 3½ years



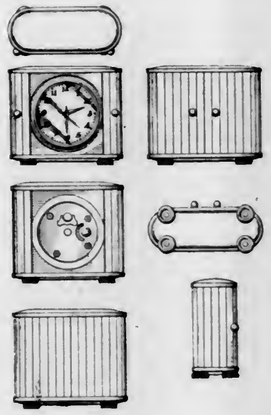
The ornamental design for a tooth pick dispenser, as shown.

118,291
DESIGN FOR A COMBINED SCRATCH PAD AND PENCIL HOLDER
Jacob S. Sherman, Chicago, Ill.
Application October 11, 1939, Serial No. 87,621
Term of patent 14 years



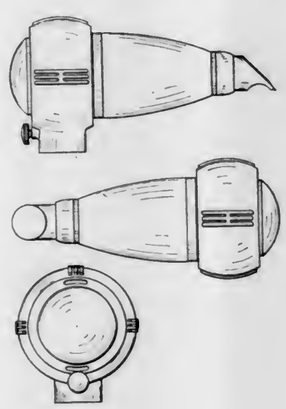
The ornamental design for a combined scratch pad and pencil holder, substantially as shown.

118,292
DESIGN FOR A DESK CLOCK
Jacob S. Sherman, Chicago, Ill.
Application November 1, 1939, Serial No. 87,989
Term of patent 14 years



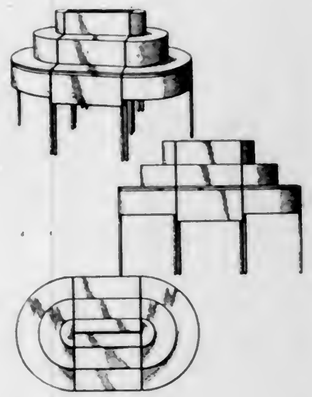
The ornamental design for a desk clock, substantially as shown.

118,293
DESIGN FOR A LIGHT PROJECTOR
Otto E. Trautmann, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 30, 1939, Serial No. 87,442
Term of patent 7 years



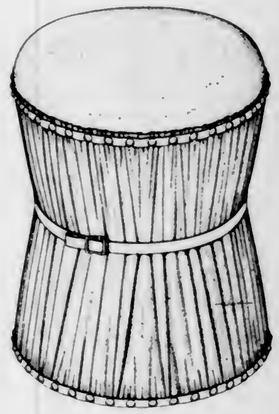
The ornamental design for a light projector, substantially as shown.

118,294
DESIGN FOR A MERCHANDISE DISPLAY STAND UNIT
José Trojan, Chicago, Ill., assignor to Owen Housholder and David C. Cohen, copartners, doing business as Crystal Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application October 23, 1939, Serial No. 87,819
Term of patent 3½ years



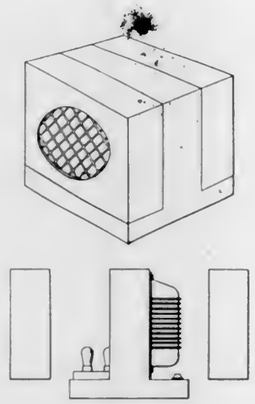
The ornamental design for a merchandise display stand unit, substantially as shown.

118,295
DESIGN FOR A STOOL
Henry Tropauer, Los Angeles, Calif.
Application May 1, 1939, Serial No. 84,702
Term of patent 14 years



The ornamental design for a stool, as shown and described.

118,296
DESIGN FOR A CASING FOR A CINEMATOGRAPH
John Tuomey, New York, N. Y.
Application August 31, 1938, Serial No. 79,648
Term of patent 3½ years



The ornamental design for a casing for a cinematograph, as shown and described.

118,297
DESIGN FOR A PUMP
Sol J. Waxelbaum, Atlanta, Ga.
Application March 10, 1938, Serial No. 75,712
Term of patent 3½ years



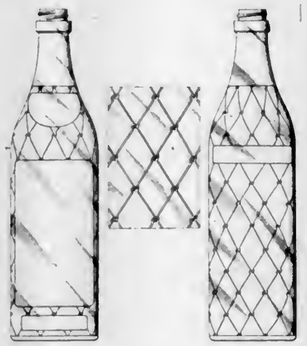
The ornamental design for a pump, as shown and described.

118,298
DESIGN FOR A PAIR OF SEMIRIMLESS SPECTACLES
Arthur F. Williams, St. Paul, Minn., assignor to Wils-edge Corporation, St. Paul, Minn., a corporation of Minnesota
Application August 4, 1938, Serial No. 79,100
Term of patent 14 years



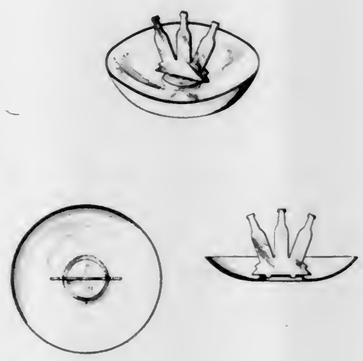
The ornamental design for a pair of semirimless spectacles, substantially as shown and described.

118,299
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Earle M. Cobb, Cutler, Calif., assignor to California Growers Wineries, Cutler, Calif., a cooperative marketing association of California
Application April 20, 1939, Serial No. 84,436
Term of patent 7 years



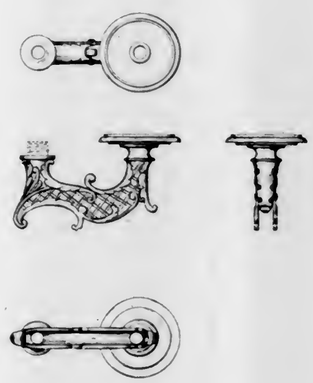
The ornamental design for a bottle or similar article, as shown.

118,300
DESIGN FOR AN ASHTRAY OR SIMILAR ARTICLE
Charles E. Eckles, Washington, D. C.
Application June 9, 1939, Serial No. 85,435
Term of patent 7 years



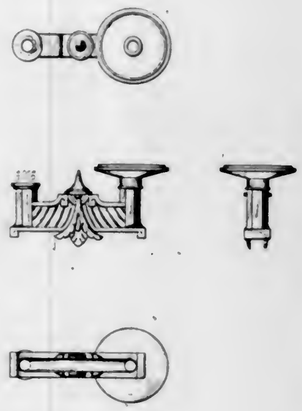
The ornamental design for an ashtray or similar article, substantially as shown.

118,301
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application October 9, 1939, Serial No. 87,589
Term of patent 14 years



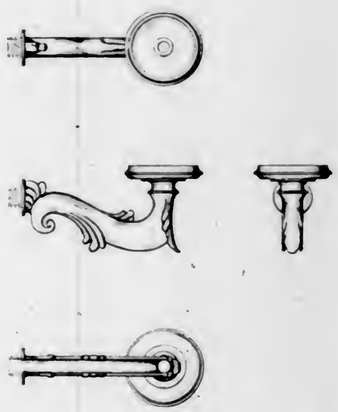
The ornamental design for an arm for lamp fixtures, as shown.

118,302
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application October 9, 1939, Serial No. 87,590
Term of patent 14 years



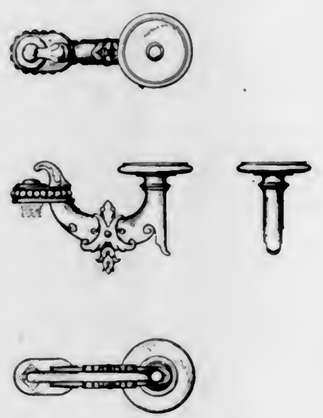
The ornamental design for an arm for lamp fixtures, as shown.

118,303
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application October 9, 1939, Serial No. 87,591
Term of patent 14 years



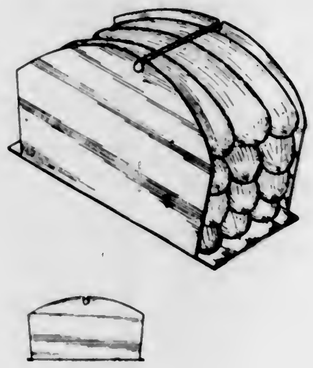
The ornamental design for an arm for lamp fixtures, as shown.

118,304
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application October 16, 1939, Serial No. 87,683
Term of patent 14 years



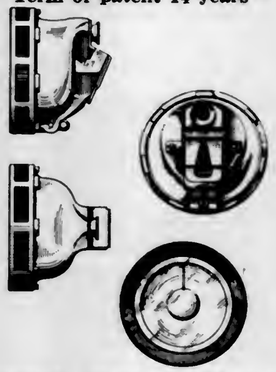
The ornamental design for an arm for lamp fixtures, as shown.

118,305
DESIGN FOR A COMBINED SAUSAGE DISPLAY AND CONTAINER UNIT OR THE LIKE
Otto A. Garson, Oak Park, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application July 12, 1939, Serial No. 85,976
Term of patent 14 years



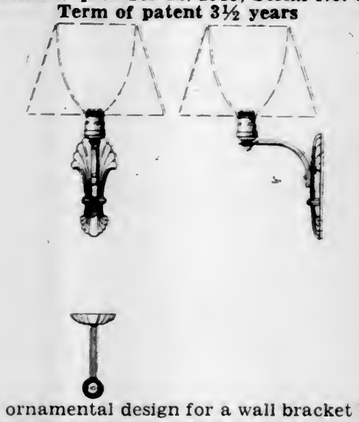
The ornamental design for a combined sausage display and container unit or the like, as shown.

118,306
DESIGN FOR A LAMP CASING
Louis Z. La Forest, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application April 26, 1939, Serial No. 84,579
Term of patent 14 years



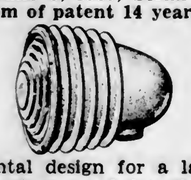
The ornamental design for a lamp casing, as shown.

118,307
DESIGN FOR A WALL BRACKET LAMP
Glenn E. MacFadden and Leland MacFadden, Buffalo, N. Y., assignors to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application September 12, 1939, Serial No. 87,148
Term of patent 3½ years



The ornamental design for a wall bracket lamp, substantially as shown and described.

118,308
DESIGN FOR A LAMP HOUSING
John A. McKay, Coshocton, Ohio
Application June 8, 1939, Serial No. 85,405
Term of patent 14 years



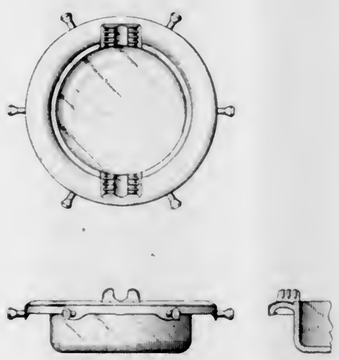
The ornamental design for a lamp housing, substantially as shown and described.

118,309
DESIGN FOR A GLASS JUG OR ARTICLE OF SIMILAR NATURE
Albert H. Nicholson, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a corporation of Ohio
Application November 7, 1939, Serial No. 88,122
Term of patent 3½ years



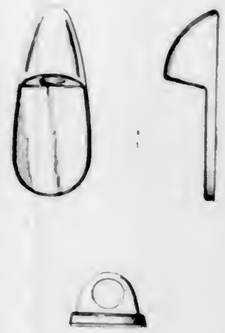
The ornamental design for a glass jug or article of similar nature, substantially as shown.

118,310
DESIGN FOR A SMOKER'S ASHTRAY OR SIMILAR ARTICLE
William C. Panzer, Chicago, Ill., assignor to Russakov Can Company, Chicago, Ill., a corporation of Illinois
Application May 20, 1939, Serial No. 85,107
Term of patent 7 years



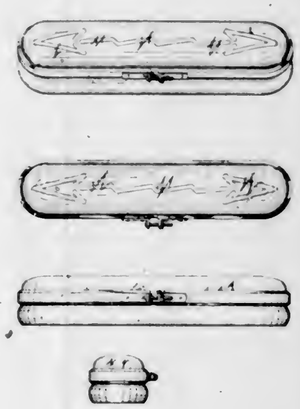
The ornamental design for a smoker's ashtray or similar article, substantially as shown.

118,311
DESIGN FOR A WALL BRACKET FOR ELECTRIC LIGHT
Alfred Easton Poor, Locust, N. J., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application September 20, 1939, Serial No. 87,306
Term of patent 14 years



The ornamental design for a wall bracket for electric light, substantially as shown.

118,312
DESIGN FOR A DIRECTIONAL SIGNAL CASING
Orson M. Pope, Los Angeles, Calif.
Application October 7, 1939, Serial No. 87,567
Term of patent 14 years



The ornamental design for a directional signal casing, as shown.

118,313
DESIGN FOR A BOTTLE
Bert F. Strand, Jr., Toledo, Ohio, and Walter Henry Meyer, Erie, Mich., assignors to Krim Beverage Company, Lebanon, Pa., a partnership consisting of Max Krim, Irwin Krim, and Nathan B. Krim
Application October 24, 1939, Serial No. 87,838
Term of patent 14 years



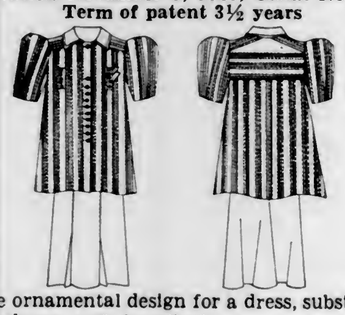
The ornamental design for a bottle, substantially as shown.

118,314
DESIGN FOR A DRESS
Sidney Wellins, New York, N. Y.
Application November 9, 1939, Serial No. 88,144
Term of patent 3½ years



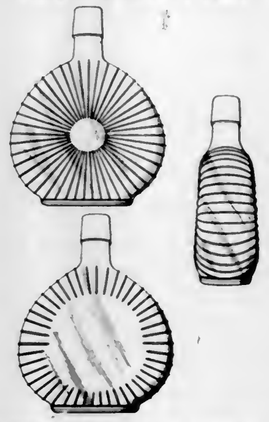
The ornamental design for a dress, substantially as shown and described.

118,315
DESIGN FOR A DRESS
Sidney Wellins, New York, N. Y.
Application November 9, 1939, Serial No. 88,145
Term of patent 3½ years



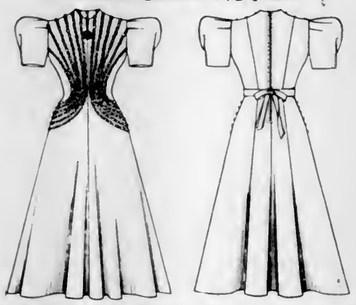
The ornamental design for a dress, substantially as shown and described.

118,316
DESIGN FOR A BOTTLE
Oscar J. Wile, New York, N. Y., assignor to Schenley Import Corporation, New York, N. Y., a corporation of New York
Application November 3, 1939, Serial No. 88,031
Term of patent 14 years



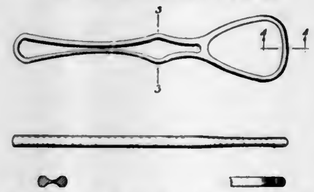
The ornamental design for a bottle, as shown.

118,317
DESIGN FOR A DRESS
Murry Alweil, New York, N. Y.
Application November 22, 1939, Serial No. 88,398
Term of patent 3½ years



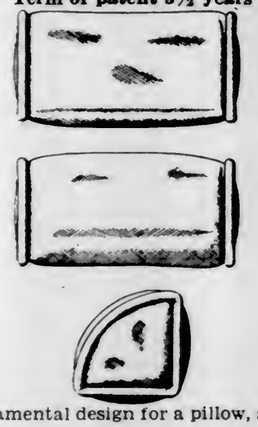
The ornamental design for a dress, substantially as shown.

118,318
DESIGN FOR A TONGUE SCRAPER
Alexander J. Fortunati, Boston, Mass.
Application October 19, 1939, Serial No. 87,739
Term of patent 7 years



The ornamental design for a tongue scraper, substantially as shown.

118,319
DESIGN FOR A PILLOW
Allen Kandell, New York, N. Y.
Application March 14, 1939, Serial No. 83,573
Term of patent 3½ years



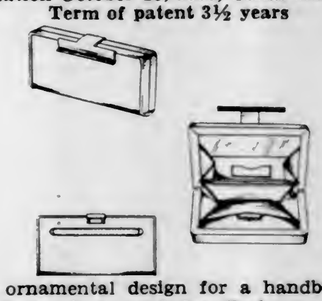
The ornamental design for a pillow, as shown.

118,320
DESIGN FOR A HAIR DRIER HOOD SHIELD
Helen S. Maulsby, New York, N. Y.
Application September 29, 1939, Serial No. 87,438
Term of patent 14 years



The ornamental design for a hair drier hood shield, as shown.

118,321
DESIGN FOR A HANDBAG
Louis M. Rubenstein, New York, N. Y.
Application October 16, 1939, Serial No. 87,676
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown and described.

118,322
DESIGN FOR A COAT
Abraham Silverstein, New York, N. Y.
Application October 25, 1939, Serial No. 87,849
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

118,323
DESIGN FOR A DRESS
Jack Stolkin, New York, N. Y.
Application November 18, 1939, Serial No. 88,345
Term of patent 3½ years



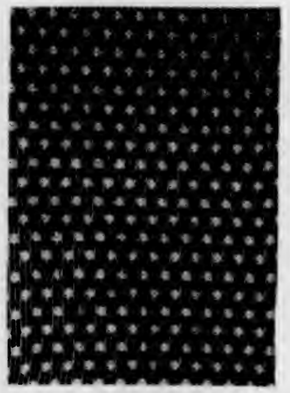
The ornamental design for a dress, substantially as shown and described.

118,324
DESIGN FOR A TEXTILE FABRIC
John Walther, New York, N. Y.
Application September 28, 1939, Serial No. 87,398
Term of patent 3½ years



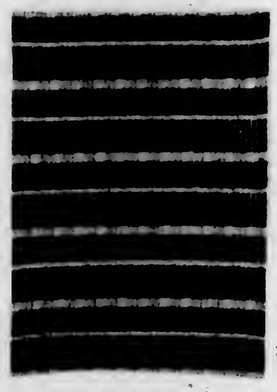
The ornamental design for a textile fabric, substantially as shown and described.

118,325
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Daniel A. Wechsler, New York, N. Y.
Application November 14, 1939, Serial No. 88,259
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

118,326
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Daniel A. Wechsler, New York, N. Y.
Application November 14, 1939, Serial No. 88,260
Term of patent 3½ years



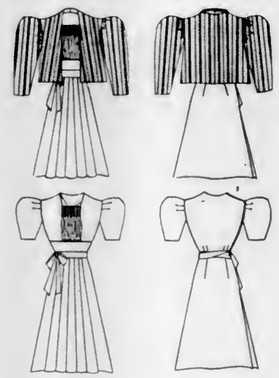
The ornamental design for a textile fabric or similar article, as shown.

118,327
DESIGN FOR A DRESS ENSEMBLE
Sidney Wellins, New York, N. Y.
Application November 9, 1939, Serial No. 88,146
Term of patent 3½ years



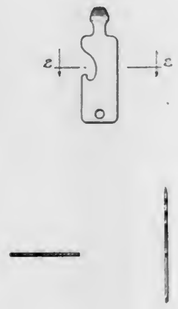
The ornamental design for a dress ensemble, substantially as shown.

118,328
DESIGN FOR A DRESS ENSEMBLE
Sidney Wellins, New York, N. Y.
Application November 9, 1939, Serial No. 88,147
Term of patent 3½ years



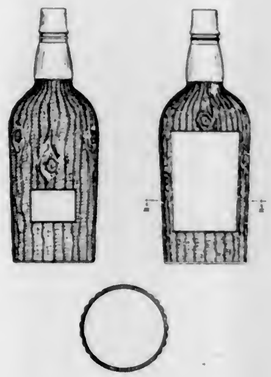
The ornamental design for a dress ensemble, substantially as shown.

118,329
DESIGN FOR A KEY RING SCREW DRIVER
Thomas C. Crowley, Jackson Heights, N. Y.
Application January 17, 1939, Serial No. 82,384
Term of patent 3½ years



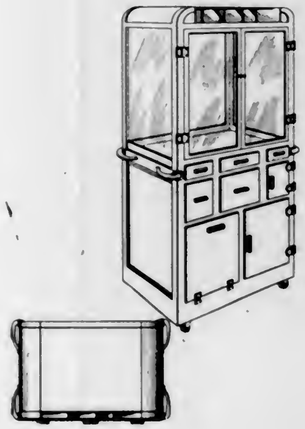
The ornamental design for a key ring screw driver, as shown.

118,330
DESIGN FOR A BOTTLE
James M. Guthrie, Pittsburgh, Pa., assignor of one-half to Joseph C. Keaney, Mount Lebanon, Pa.
Application December 3, 1938, Serial No. 81,545
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

118,331
DESIGN FOR A COMBINED POPCORN MACHINE CABINET AND BAG COMPARTMENT
Charles T. Manley, Kansas City, Mo., assignor to Burch Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application October 20, 1939, Serial No. 87,754
Term of patent 7 years



The ornamental design for a combined popcorn machine cabinet and bag compartment, as shown.

118,332
DESIGN FOR A COAT
Max Bagedonow, New York, N. Y.
Application November 27, 1939, Serial No. 88,496
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

118,333
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application November 30, 1939, Serial No. 88,571
Term of patent 3½ years



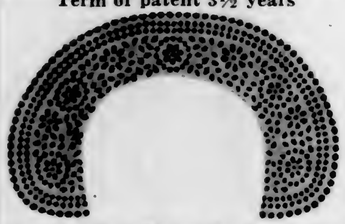
The ornamental design for a dress, substantially as shown.

118,334
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application December 4, 1939, Serial No. 88,656
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,335
DESIGN FOR AN EMBROIDERED COLLAR OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application October 28, 1939, Serial No. 87,911
Term of patent 3½ years



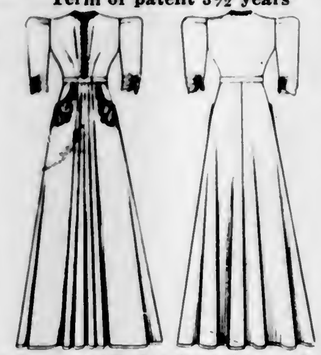
The ornamental design for an embroidered collar or similar article, as shown and described.

118,336
DESIGN FOR A NEGLIGEE
Ilsa Herdegen, New York, N. Y.
Application November 22, 1939, Serial No. 88,423
Term of patent 3½ years



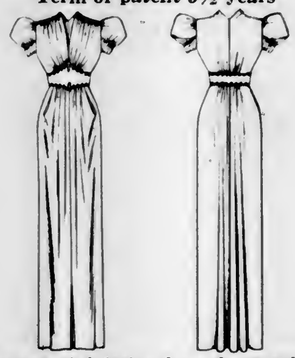
The ornamental design for a negligee, substantially as shown.

118,337
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application November 22, 1939, Serial No. 88,402
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,338
DESIGN FOR A DRESS
Jane Rosener, New York, N. Y.
Application December 4, 1939, Serial No. 88,655
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,339
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Gotel Canelstein, New York, N. Y.
Application November 29, 1939, Serial No. 88,547
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown.

118,340
DESIGN FOR A DRESS
George Constantine, New York, N. Y.
Application November 29, 1939, Serial No. 88,535
Term of patent 3½ years



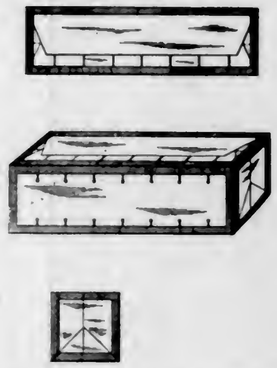
The ornamental design for a dress, substantially as shown.

118,341
DESIGN FOR A DRESS
George Constantine, New York, N. Y.
Application November 29, 1939, Serial No. 88,537
Term of patent 3½ years



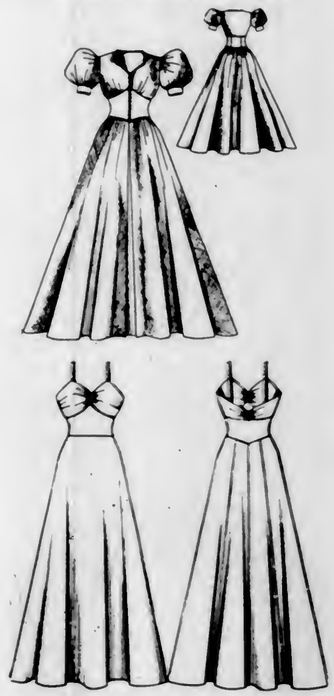
The ornamental design for a dress, substantially as shown.

118,342
DESIGN FOR A PACKAGE WRAPPER
Charles Doering, Chicago, Ill., assignor of one-half to Henry H. Doering, Chicago, Ill.
Application October 16, 1939, Serial No. 87,685
Term of patent 14 years



The ornamental design for a package wrapper, substantially as shown.

118,343
DESIGN FOR A DRESS ENSEMBLE
Alice Engel, New York, N. Y.
Application December 4, 1939, Serial No. 88,657
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,344
DESIGN FOR A TEXTILE FABRIC
Robert Gentile, New York, N. Y.
Application November 29, 1939, Serial No. 88,545
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

118,345
DESIGN FOR A DRESS
Herbert M. Harris, New York, N. Y.
Application November 28, 1939, Serial No. 88,510
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,346
DESIGN FOR A DRESS ENSEMBLE
Philip Heit, New York, N. Y.
Application November 28, 1939, Serial No. 88,514
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

118,347
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application November 28, 1939, Serial No. 88,511
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,348
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application November 28, 1939, Serial No. 88,512
Term of patent 3½ years



The ornamental desgn for a dress, substantially as shown.

118,349
DESIGN FOR A DRESS
Louis Kushman, New York, N. Y.
Application December 2, 1939, Serial No. 88,620
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,350
DESIGN FOR A DRESS
Albert Rinaldi, Chicago, Ill.
Application November 28, 1939, Serial No. 88,517
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,351
DESIGN FOR A TEXTILE FABRIC
William J. Roche, Hewlett, N. Y.
Application November 24, 1939, Serial No. 88,440
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

118,352
DESIGN FOR A DRESS
Charles Schmerler, New York, N. Y.
Application November 29, 1939, Serial No. 88,540
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,353
DESIGN FOR A DRESS
Charles Schmerler, New York, N. Y.
Application November 29, 1939, Serial No. 88,541
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,354
DESIGN FOR A DRESS
Charles Schmerler, New York, N. Y.
Application November 29, 1939, Serial No. 88,542
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,355
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application December 2, 1939, Serial No. 88,629
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

118,356
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application December 2, 1939, Serial No. 88,630
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

118,357
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Daniel A. Wechsler, New York, N. Y.
Application November 14, 1939, Serial No. 88,261
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

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